

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051520\
 Data File : VX016269.D
 Acq On : 15 May 2020 10:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/18/2020 12:52:37 PM

Quant Time: May 16 07:02:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	257191	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.83	114	410609	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	386336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	194695	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	157931	46.66	ug/l	0.00
Spiked Amount			Recovery	=	93.32%	
35) Dibromofluoromethane	5.46	113	125619	48.29	ug/l	-0.01
Spiked Amount			Recovery	=	96.58%	
50) Toluene-d8	8.70	98	487057	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
62) 4-Bromofluorobenzene	11.12	95	189989	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	130409	47.904	ug/l	100
3) Chloromethane	1.31	50	143948	45.532	ug/l	99
4) Vinyl Chloride	1.39	62	151269	44.847	ug/l	100
5) Bromomethane	1.62	94	70584	41.508	ug/l	99
6) Chloroethane	1.70	64	92970	45.301	ug/l	100
7) Trichlorofluoromethane	1.91	101	204043	46.078	ug/l	99
8) Diethyl Ether	2.17	74	87678	46.992	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	114975	45.003	ug/l	100
10) Methyl Iodide	2.49	142	136751	39.849	ug/l	99
11) Tert butyl alcohol	3.01	59	194455	227.215	ug/l	100
12) 1,1-Dichloroethene	2.36	96	115185	43.084	ug/l	98
13) Acrolein	2.27	56	219797	410.419	ug/l	99
14) Allyl chloride	2.70	41	217811	44.433	ug/l	95
15) Acrylonitrile	3.11	53	429283	241.795	ug/l	99
16) Acetone	2.42	43	324197	214.689	ug/l	97
17) Carbon Disulfide	2.55	76	328688	40.901	ug/l	100
18) Methyl Acetate	2.75	43	188799	50.849	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	460736	49.991	ug/l	100
20) Methylene Chloride	2.83	84	140365	45.090	ug/l	97
21) trans-1,2-Dichloroethene	3.14	96	132073	44.330	ug/l	96
22) Diisopropyl ether	3.82	45	437741	47.334	ug/l	99
23) Vinyl Acetate	3.78	43	1940738	238.530	ug/l	99
24) 1,1-Dichloroethane	3.67	63	244654	47.292	ug/l	99
25) 2-Butanone	4.63	43	571920	235.035	ug/l	99
26) 2,2-Dichloropropane	4.54	77	218035	46.150	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	156610	48.083	ug/l	97
28) Bromochloromethane	4.98	49	109533	46.433	ug/l	96
29) Tetrahydrofuran	5.09	42	385044	238.811	ug/l	98
30) Chloroform	5.17	83	245943	47.748	ug/l	100
31) Cyclohexane	5.54	56	210345	44.739	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	219855	46.957	ug/l	99
36) 1,1-Dichloropropene	5.76	75	185003	45.772	ug/l	99
37) Ethyl Acetate	4.79	43	219022	46.753	ug/l	98
38) Carbon Tetrachloride	5.75	117	194041	47.232	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	216345	44.447	ug/l	99
40) Benzene	6.11	78	563190	47.622	ug/l	100
41) Methacrylonitrile	5.00	41	119753	47.334	ug/l	98
42) 1,2-Dichloroethane	6.16	62	198528	46.600	ug/l	99
43) Isopropyl Acetate	6.41	43	357185	47.787	ug/l	98
44) Trichloroethene	7.18	130	187997	44.746	ug/l	97
45) 1,2-Dichloropropane	7.49	63	149098	49.825	ug/l	99
46) Dibromomethane	7.63	93	98889	48.628	ug/l	99
47) Bromodichloromethane	7.87	83	206464	49.850	ug/l	98
48) Methyl methacrylate	7.74	41	169332	47.810	ug/l	95
49) 1,4-Dioxane	7.71	88	78996	929.982	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	1136985	248.578	ug/l	98
52) Toluene	8.76	92	365161	49.537	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	240385	48.679	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	254775	49.394	ug/l	93
55) 1,1,2-Trichloroethane	9.20	97	147227	50.764	ug/l	99
56) Ethyl methacrylate	9.16	69	246375	52.043	ug/l	94
57) 1,3-Dichloropropane	9.35	76	254417	50.274	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	658131	261.131	ug/l	100
59) 2-Hexanone	9.47	43	878073	244.450	ug/l	96
60) Dibromochloromethane	9.57	129	165676	51.868	ug/l	98
61) 1,2-Dibromoethane	9.65	107	157689	50.196	ug/l	100
64) Tetrachloroethene	9.32	164	219105	46.198	ug/l	97
65) Chlorobenzene	10.12	112	384947	47.586	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.20	131	149211	49.904	ug/l	99
67) Ethyl Benzene	10.23	91	686182	47.541	ug/l	98
68) m/p-Xylenes	10.34	106	529029	97.828	ug/l	99
69) o-Xylene	10.68	106	257939	49.622	ug/l	97
70) Styrene	10.70	104	441054	50.014	ug/l	100
71) Bromoform	10.84	173	130462	53.556	ug/l #	99
73) Isopropylbenzene	11.00	105	682992	48.230	ug/l	99
74) N-amyl acetate	10.88	43	311856	47.213	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	161958	57.178	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	223545m	50.598	ug/l	
77) Bromobenzene	11.24	156	170333	46.600	ug/l	98
78) n-propylbenzene	11.34	91	785406	47.675	ug/l	100
79) 2-Chlorotoluene	11.41	91	470850	48.420	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	580928	48.587	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	90607	48.873	ug/l	96
82) 4-Chlorotoluene	11.49	91	549645	47.865	ug/l	100
83) tert-Butylbenzene	11.76	119	498405	48.370	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	590092	48.816	ug/l	99
85) sec-Butylbenzene	11.93	105	645149	46.372	ug/l	99
86) p-Isopropyltoluene	12.05	119	610242	47.243	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	308089	46.943	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	307013	46.089	ug/l	98
89) n-Butylbenzene	12.37	91	528211	44.762	ug/l	100
90) Hexachloroethane	12.58	117	104972	47.319	ug/l	96
91) 1,2-Dichlorobenzene	12.38	146	302043	47.795	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	55130	47.346	ug/l	97

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ClientSampleId :
VSTDCCC050

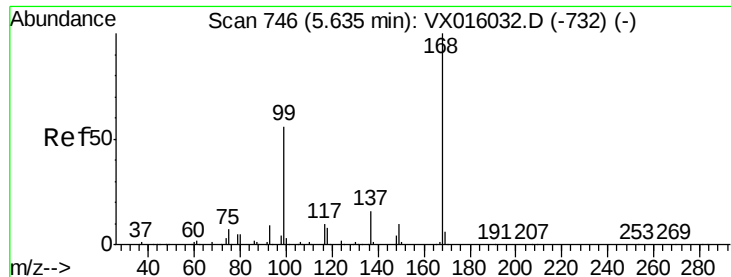
Manual Integrations
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5/18/2020 12:52:37 PM

Quant Time: May 16 07:02:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	211389	45.181	ug/l	100
94) Hexachlorobutadiene	13.77	225	84294	41.926	ug/l	99
95) Naphthalene	13.82	128	737692	48.693	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	214358	46.879	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

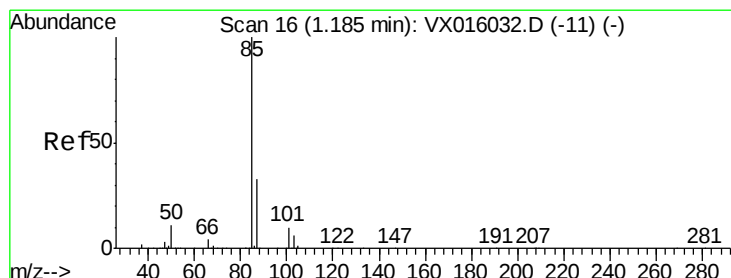
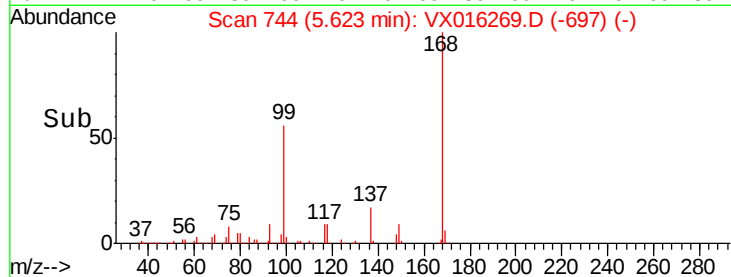
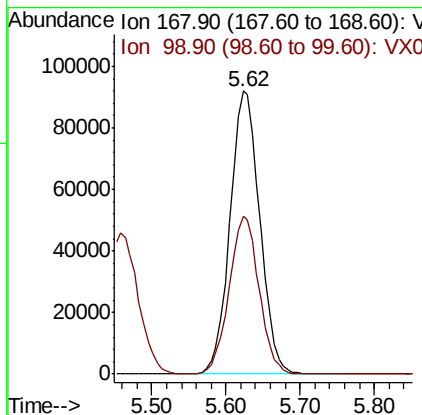
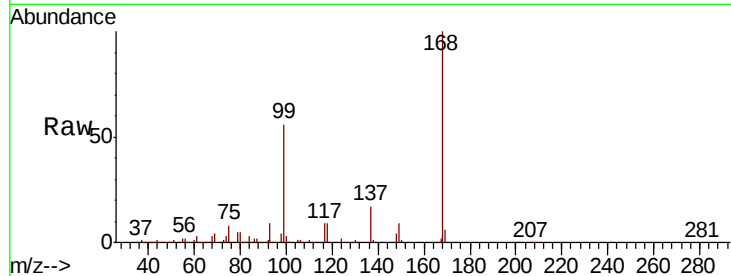
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: VX016269.D
 Acq: 15 May 2020 10:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	55.6	45.0	67.4

Manual Integrations
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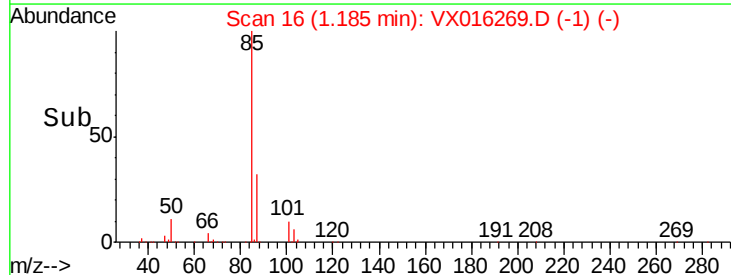
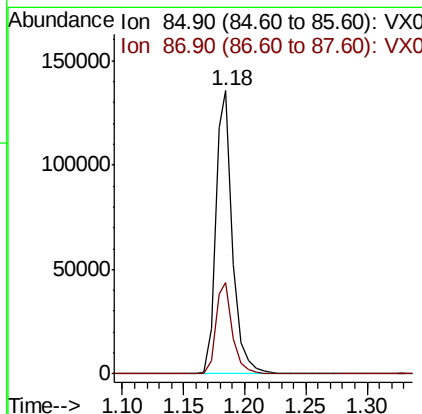
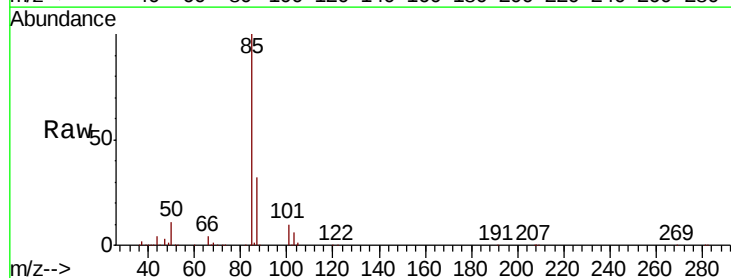
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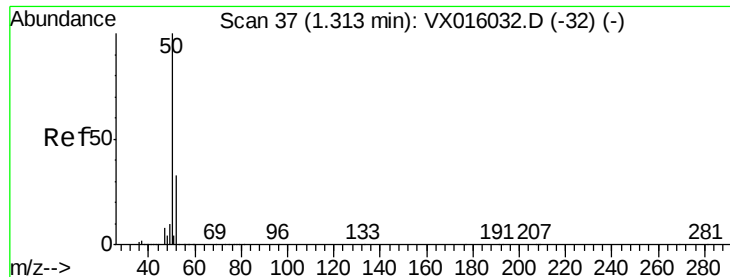


#2

Dichlorodifluoromethane
 Concen: 47.904 ug/l
 RT: 1.18 min Scan# 16
 Delta R.T. -0.00 min
 Lab File: VX016269.D
 Acq: 15 May 2020 10:34

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.4	49.1





#3

Chloromethane

Concen: 45.532 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 143948

Ion Ratio Lower Upper

50 100

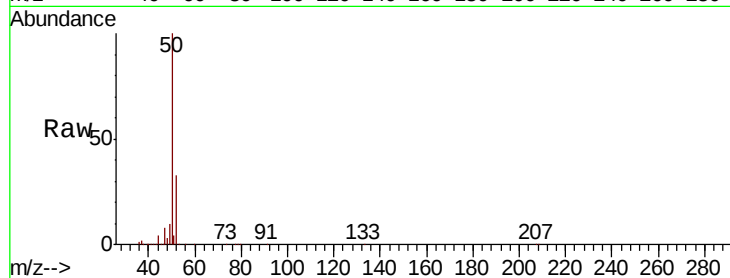
52 33.1 26.1 39.1

Manual Integrations

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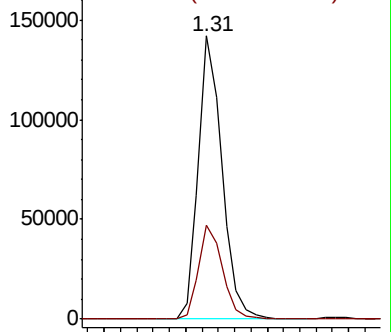
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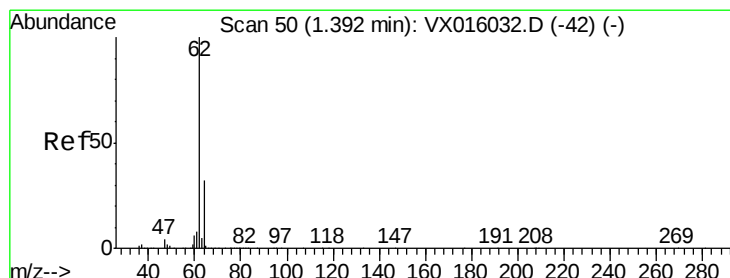
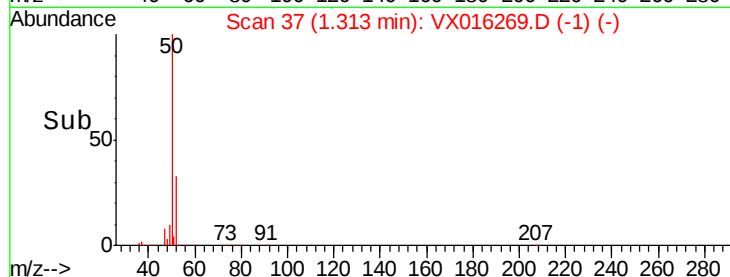


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 44.847 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016269.D

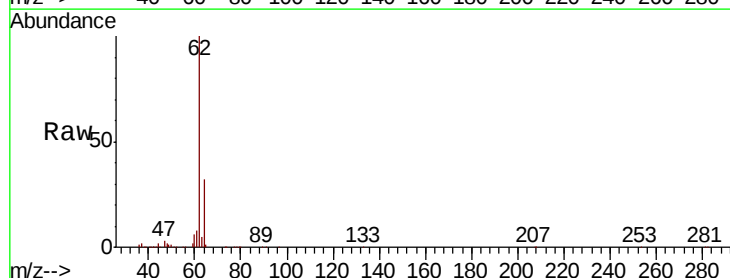
Acq: 15 May 2020 10:34

Tgt Ion: 62 Resp: 151269

Ion Ratio Lower Upper

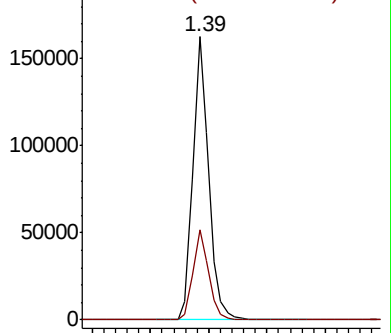
62 100

64 32.0 25.7 38.5

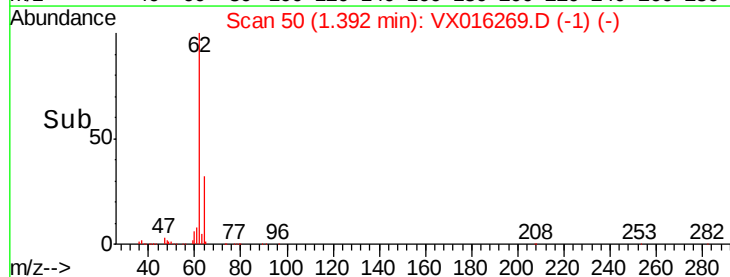


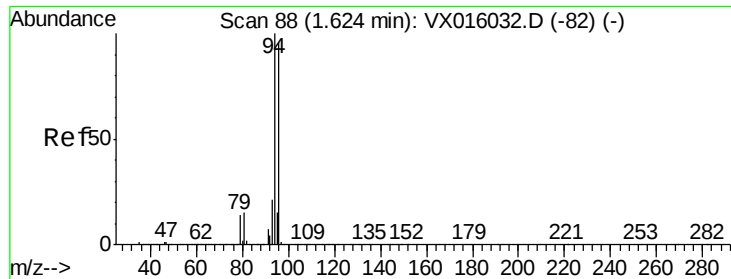
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 41.508 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 70584

Ion Ratio Lower Upper

94 100

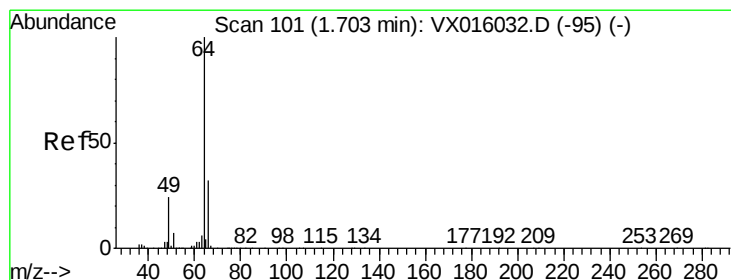
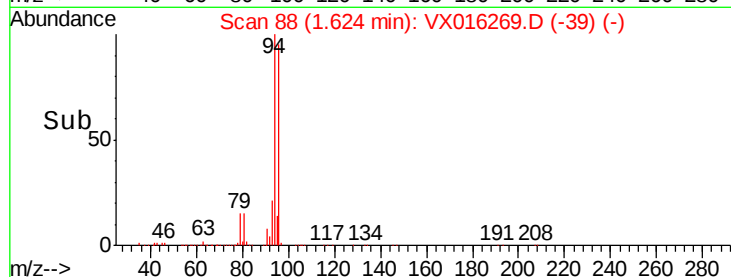
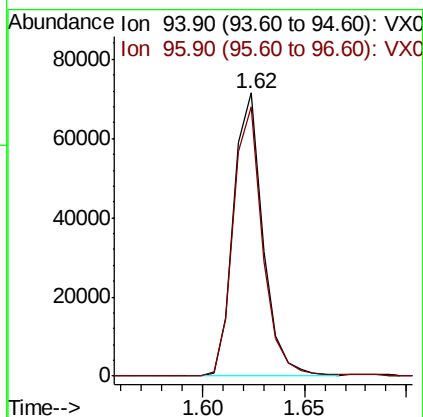
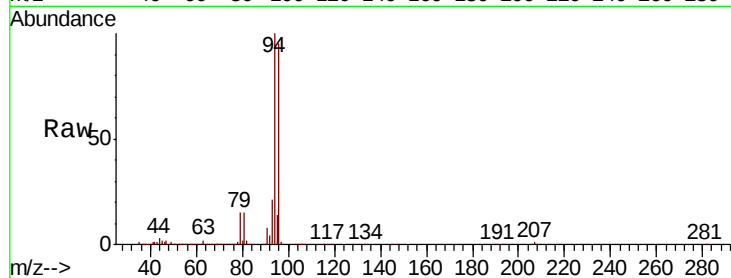
96 95.3 76.9 115.3

Manual Integrations

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#6

Chloroethane

Concen: 45.301 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX016269.D

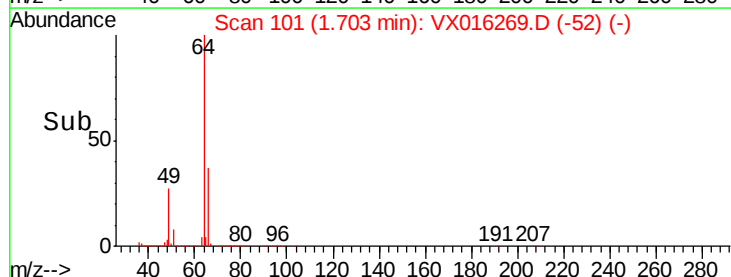
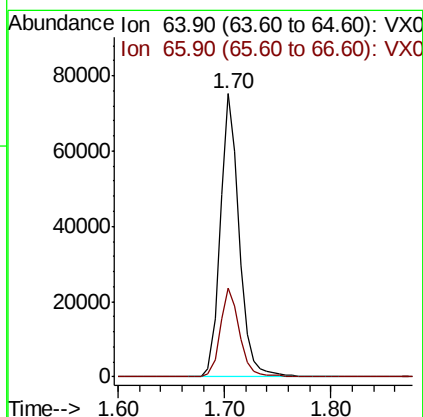
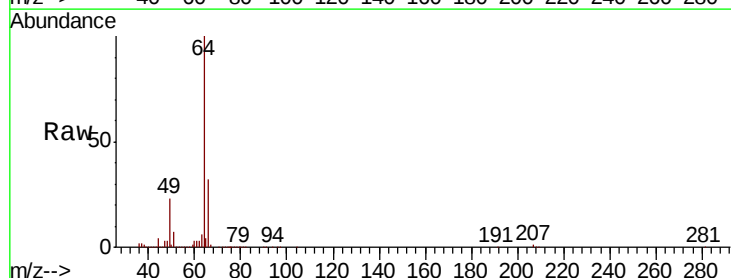
Acq: 15 May 2020 10:34

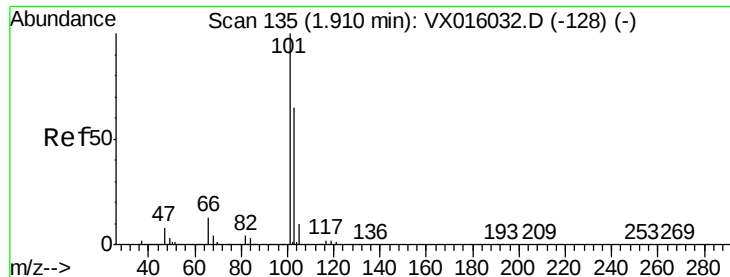
Tgt Ion: 64 Resp: 92970

Ion Ratio Lower Upper

64 100

66 31.6 25.2 37.8





#7

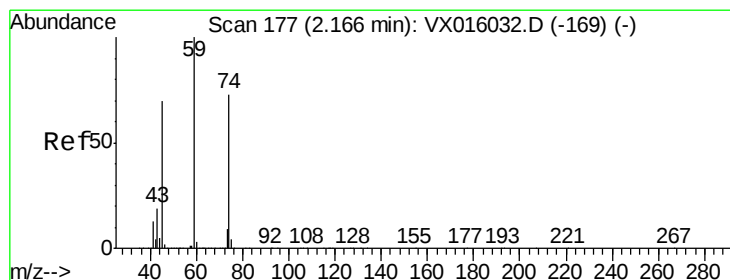
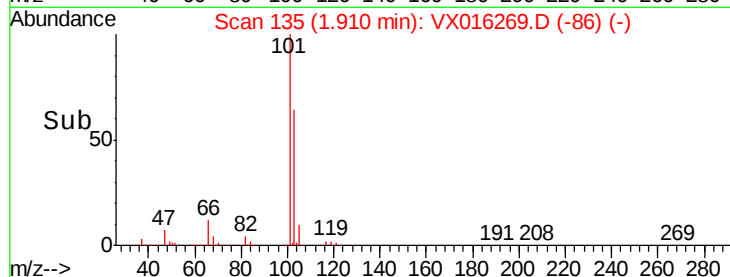
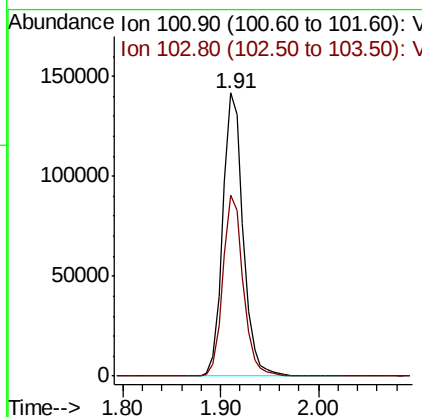
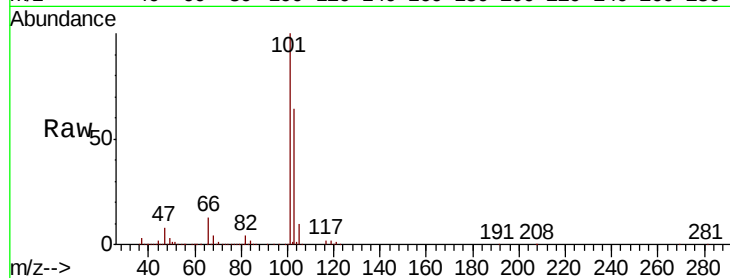
Trichlorofluoromethane
Concen: 46.078 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.00 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Instrument :
MSVOA_X
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.8	77.6

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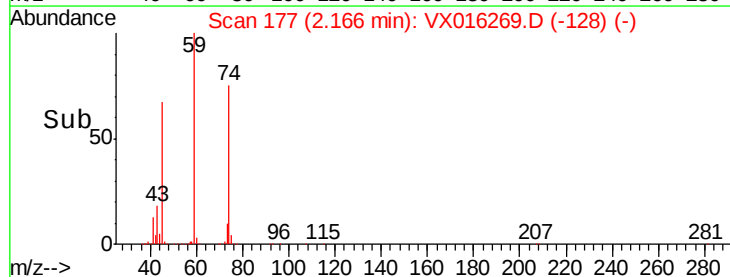
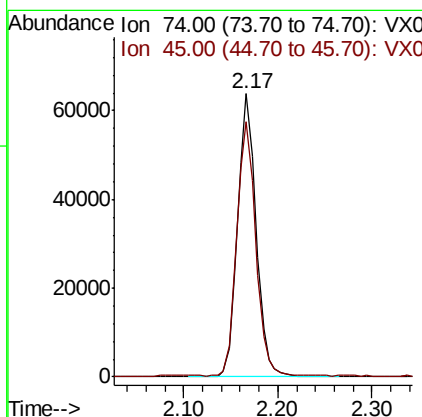
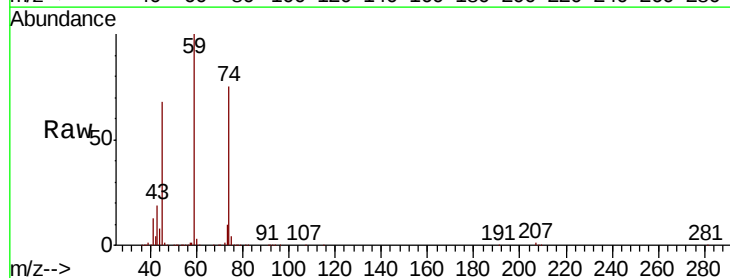
MMDadoda
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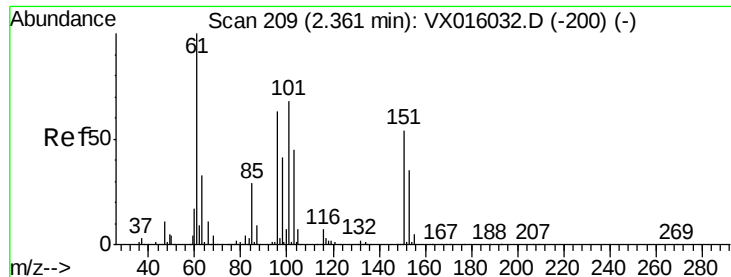


#8

Diethyl Ether
Concen: 46.992 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.6	47.3	142.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.003 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Instrument :

MSVOA_X

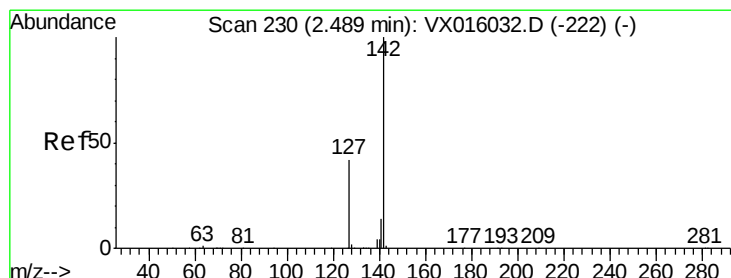
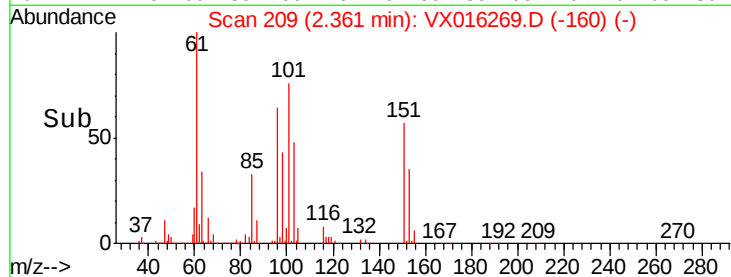
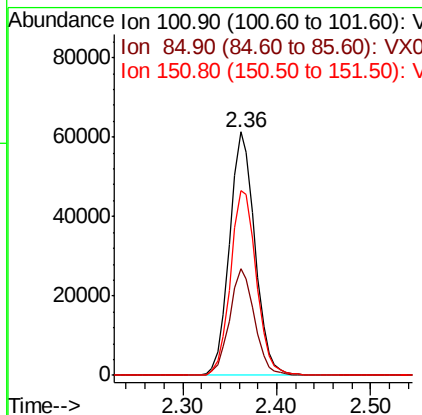
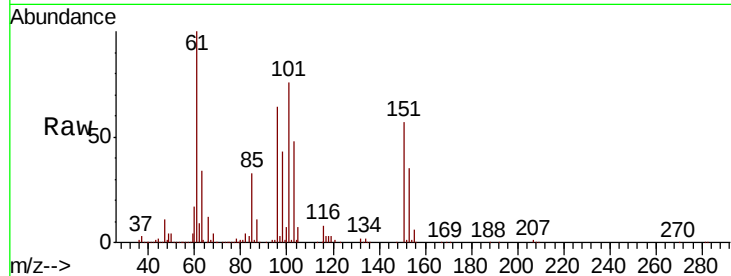
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	114975
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.2	51.4
151	77.4	62.1	93.1

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#10

Methyl Iodide

Concen: 39.849 ug/l

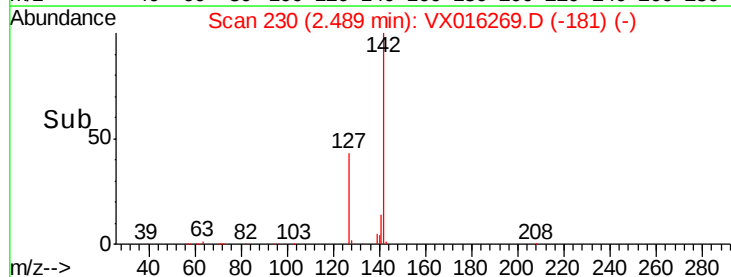
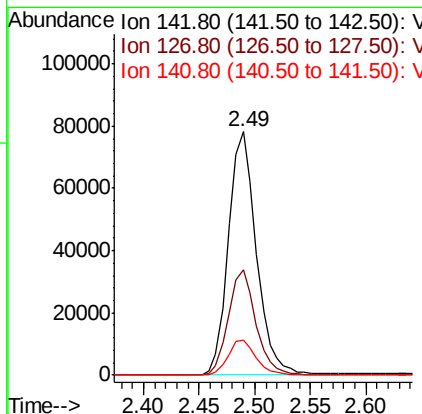
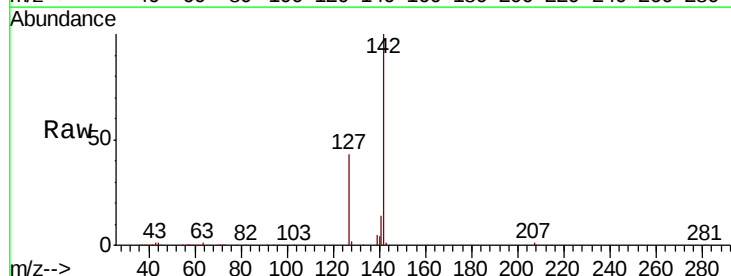
RT: 2.49 min Scan# 230

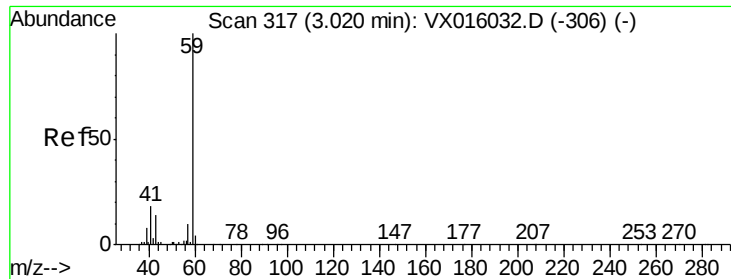
Delta R.T. -0.00 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Tgt Ion:	142	Resp:	136751
Ion Ratio	Lower	Upper	
142	100		
127	42.8	34.6	52.0
141	14.4	11.3	16.9





#11

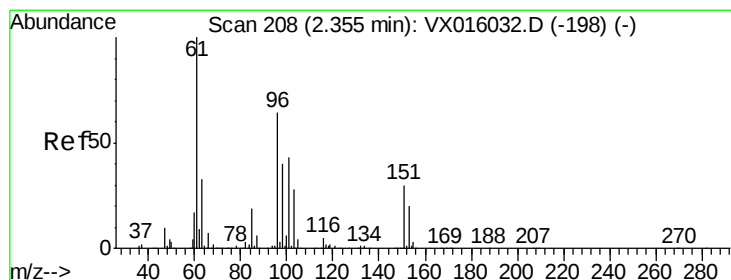
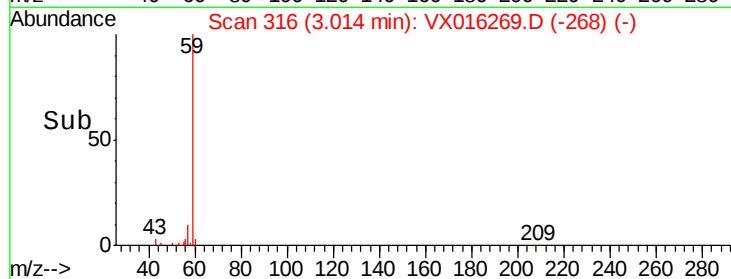
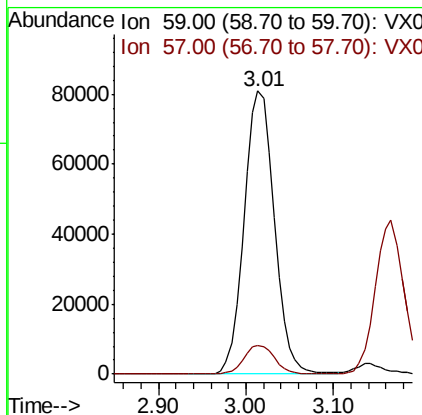
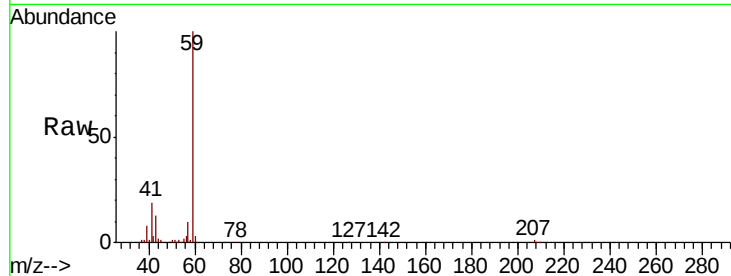
Tert butyl alcohol
Concen: 227.215 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

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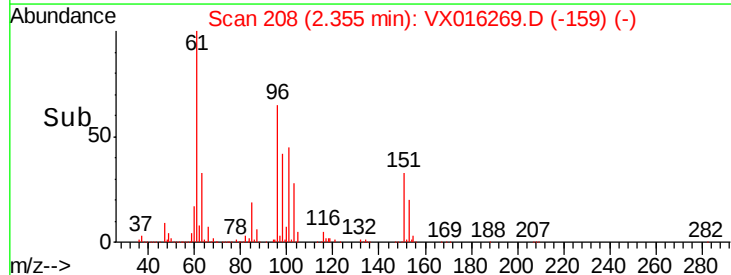
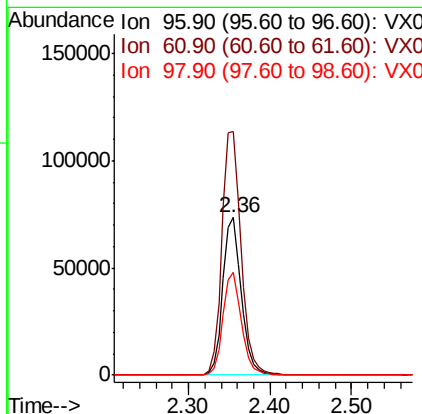
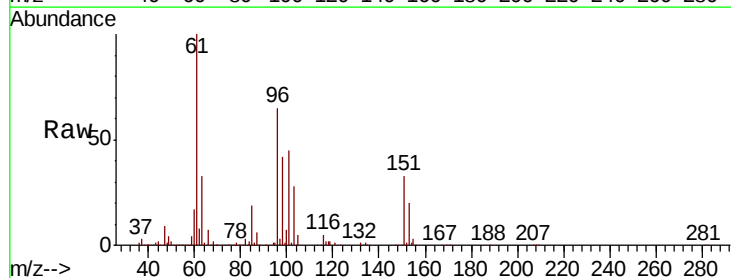
MMDadoda
5/18/2020 12:52:37 PM

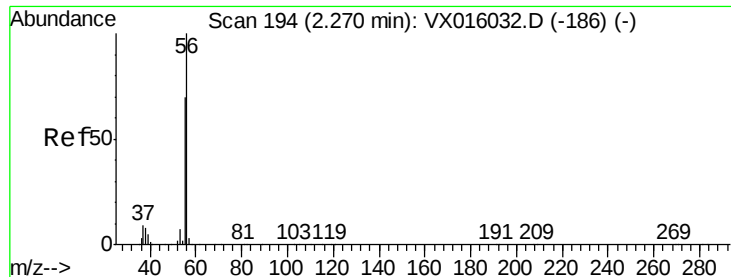


#12

1,1-Dichloroethene
Concen: 43.084 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.0	124.8	187.2
98	65.3	49.7	74.5





#13

Acrolein

Concen: 410.419 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 219797

Ion Ratio Lower Upper

56 100

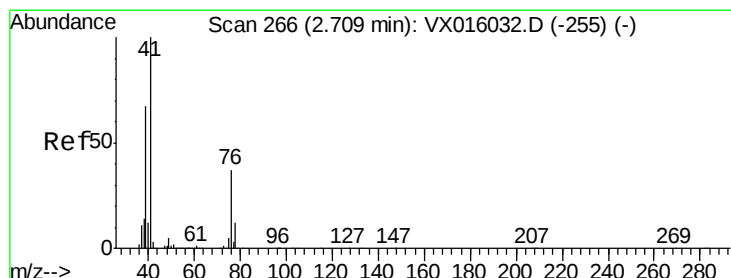
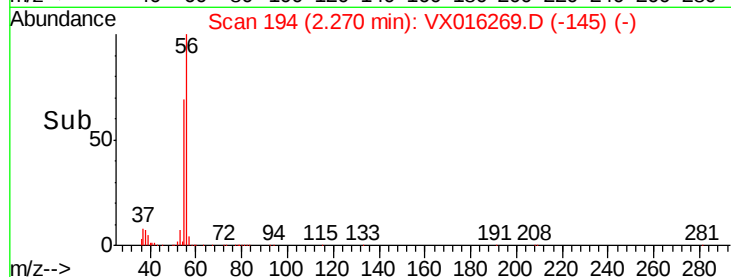
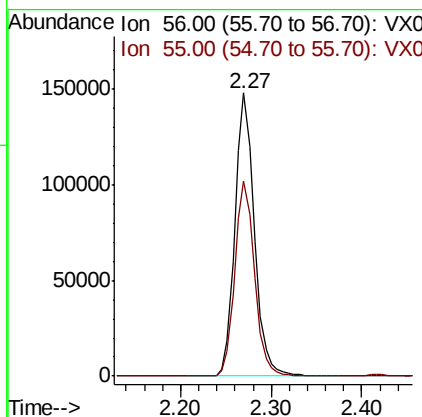
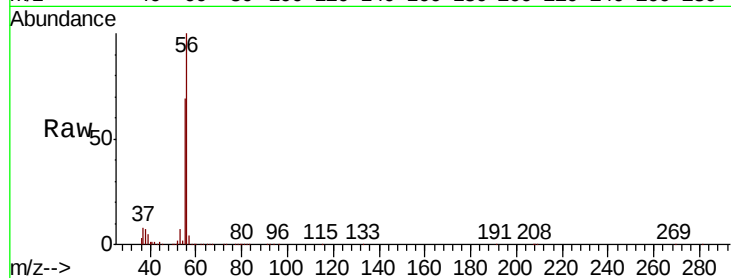
55 69.9 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 44.433 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

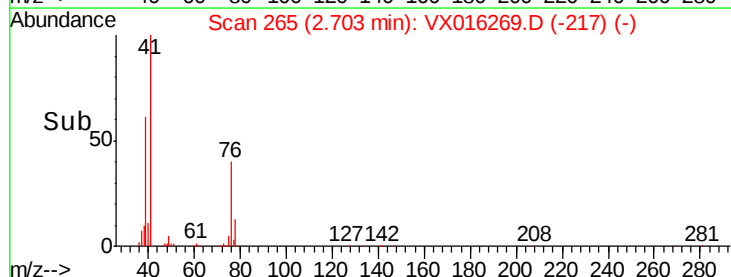
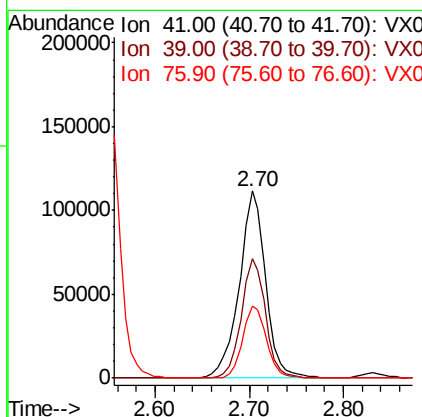
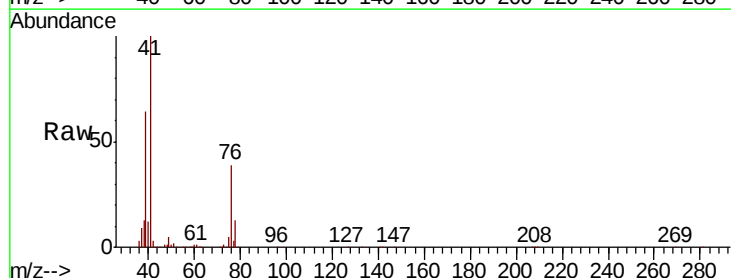
Tgt Ion: 41 Resp: 217811

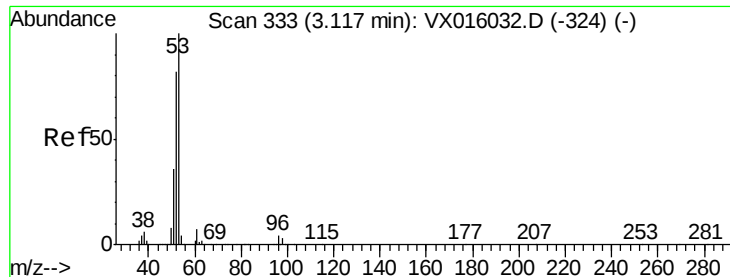
Ion Ratio Lower Upper

41 100

39 58.6 50.5 75.7

76 34.9 26.6 40.0





#15

Acrylonitrile

Concen: 241.795 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Instrument :

MSVOA_X

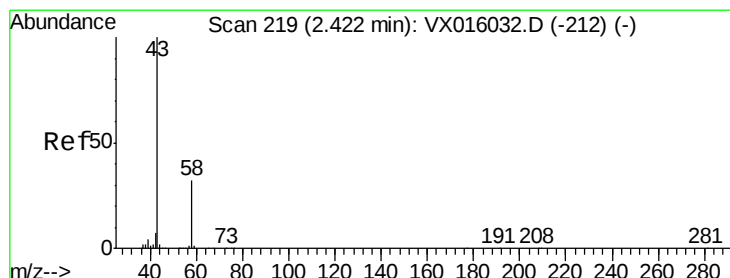
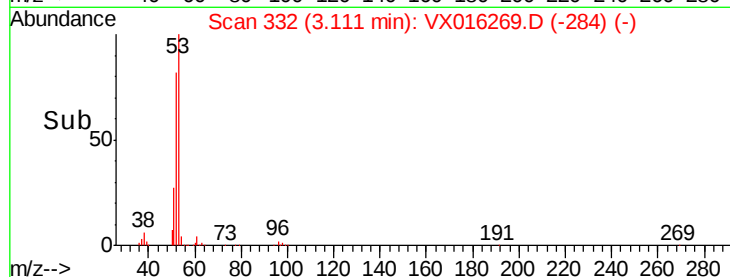
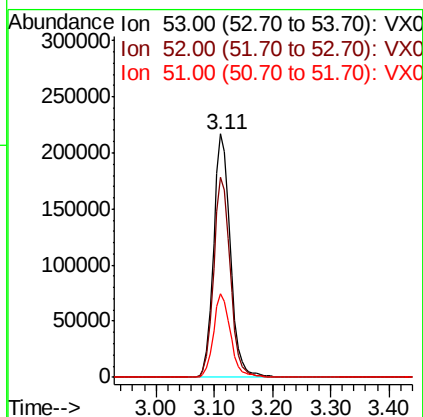
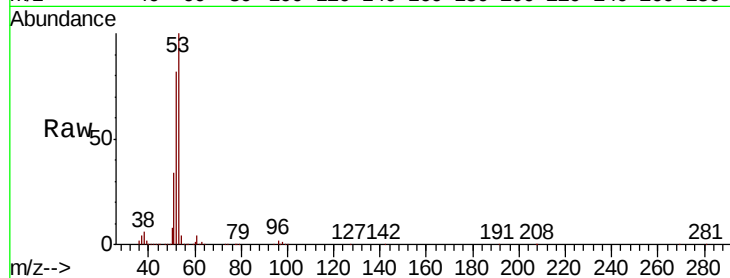
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	429283
Ion Ratio	Lower	Upper	
53	100		
52	81.7	66.1	99.1
51	35.0	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 214.689 ug/l

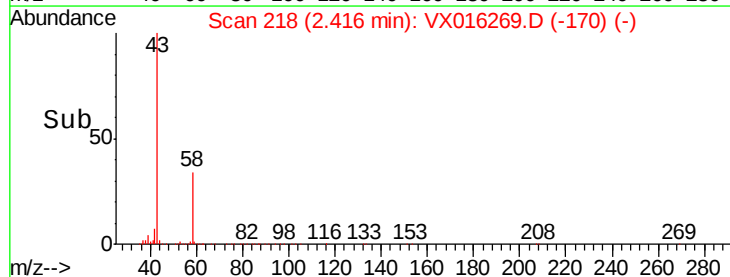
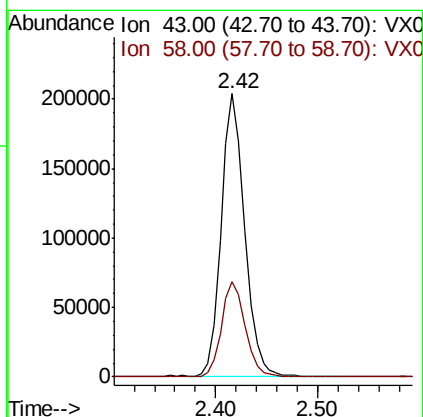
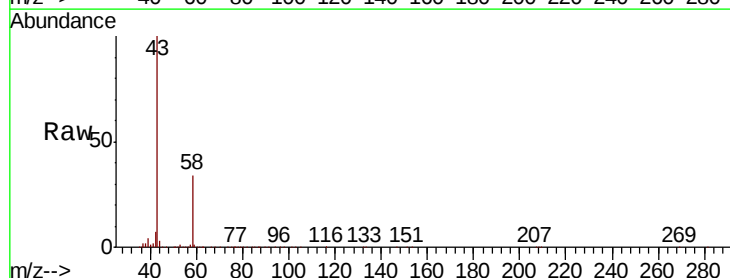
RT: 2.42 min Scan# 218

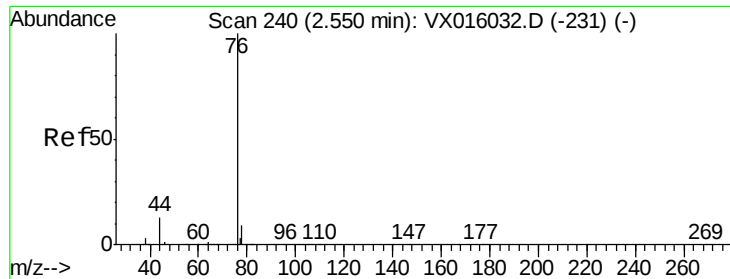
Delta R.T. -0.01 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Tgt Ion:	43	Resp:	324197
Ion Ratio	Lower	Upper	
43	100		
58	33.5	25.4	38.0





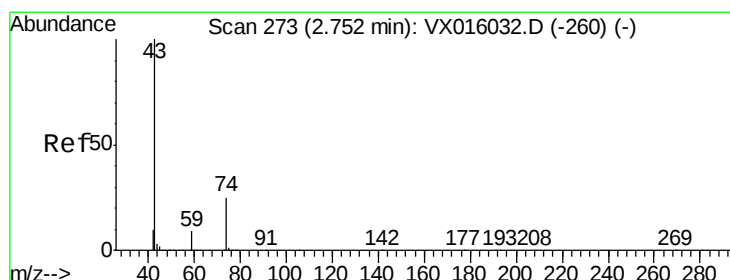
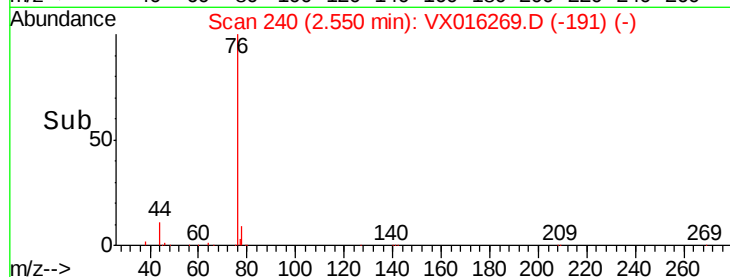
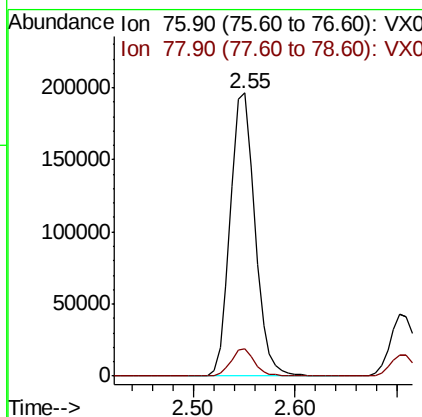
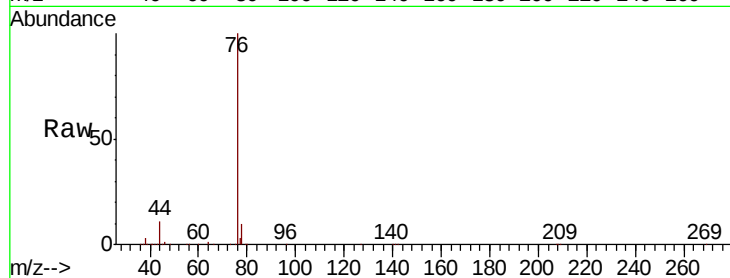
#17
Carbon Disulfide
Concen: 40.901 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.5	11.3

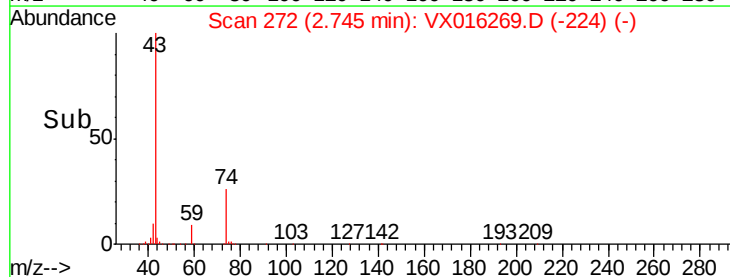
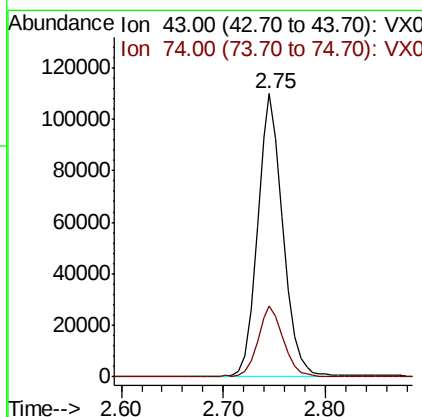
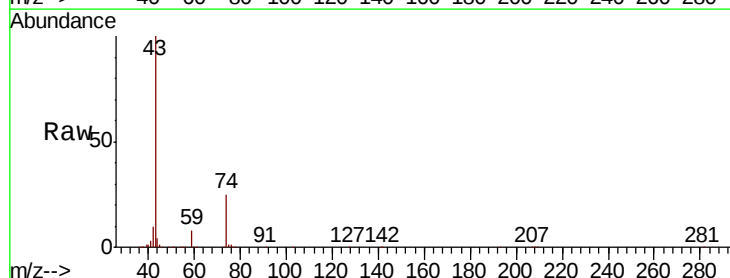
Manual Integrations
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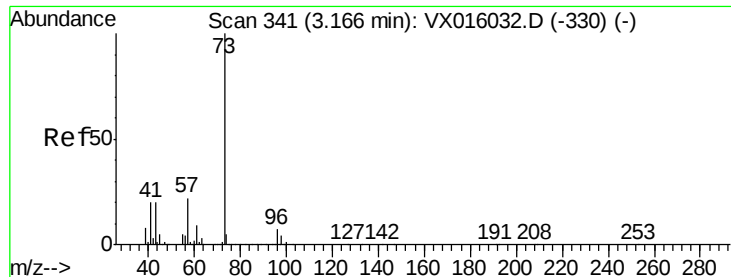
MMDadoda
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#18
Methyl Acetate
Concen: 50.849 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.6	20.2	30.2





#19

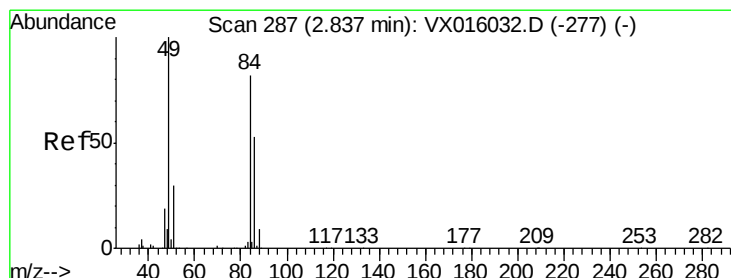
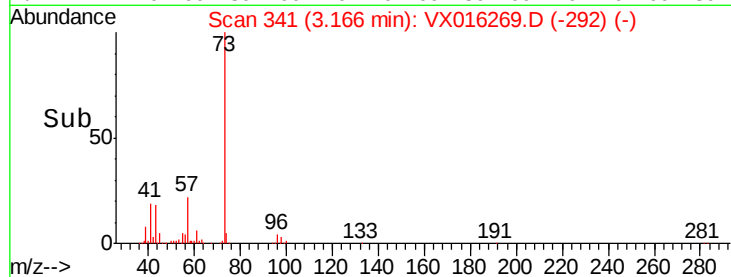
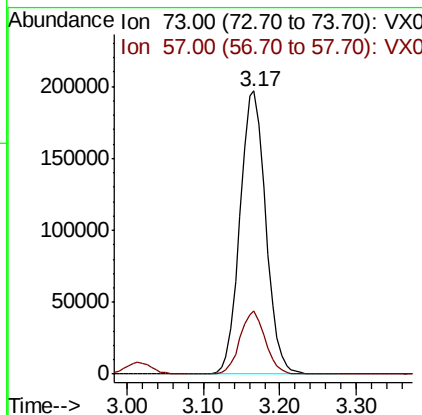
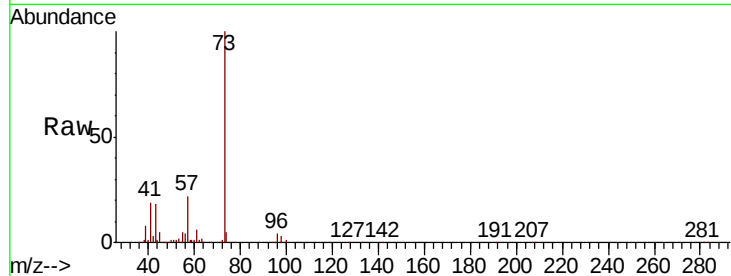
Methyl tert-butyl Ether
 Concen: 49.991 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VX016269.D
 Acq: 15 May 2020 10:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.8	26.6

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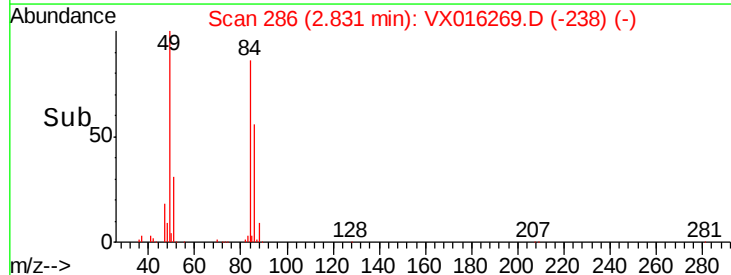
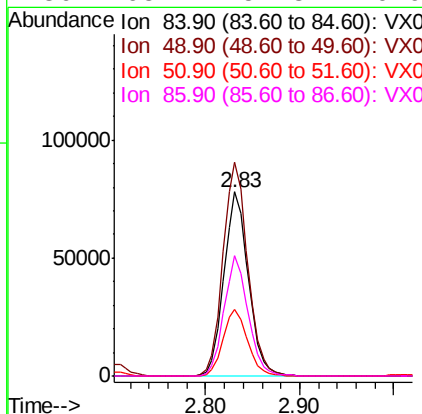
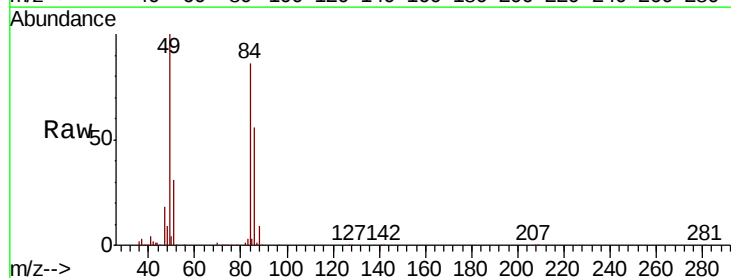
MMDadoda
 5/18/2020 12:52:37 PM

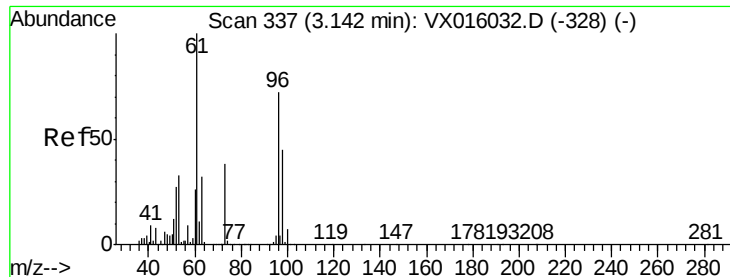


#20

Methylene Chloride
 Concen: 45.090 ug/l
 RT: 2.83 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: VX016269.D
 Acq: 15 May 2020 10:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.1	97.3	145.9
51	36.2	29.3	43.9
86	65.1	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 44.330 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Instrument :

MSVOA_X

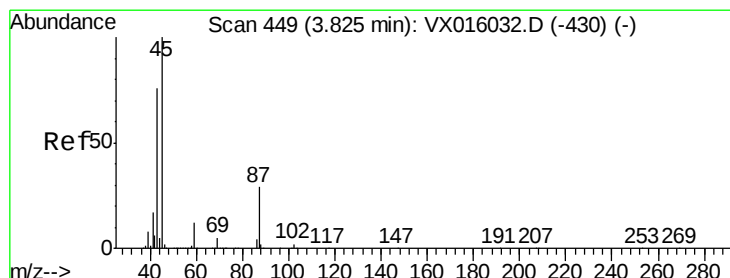
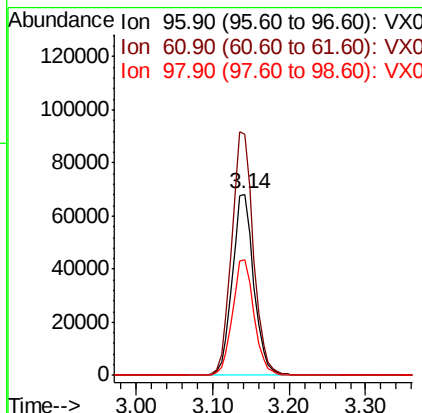
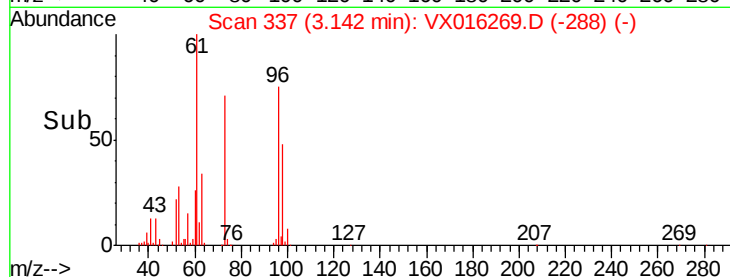
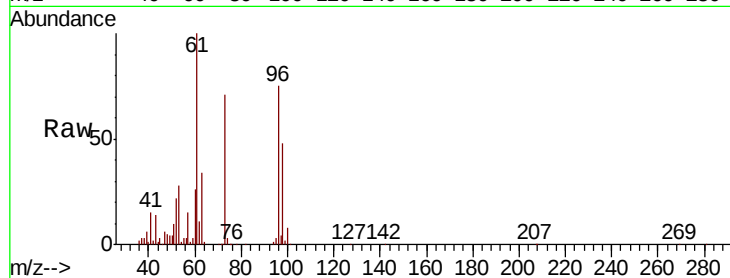
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	132073
Ion	Ratio	Lower	Upper
96	100		
61	133.2	111.2	166.8
98	63.7	50.2	75.4

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#22

Diisopropyl ether

Concen: 47.334 ug/l

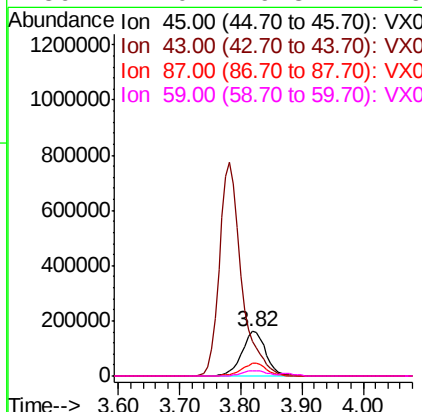
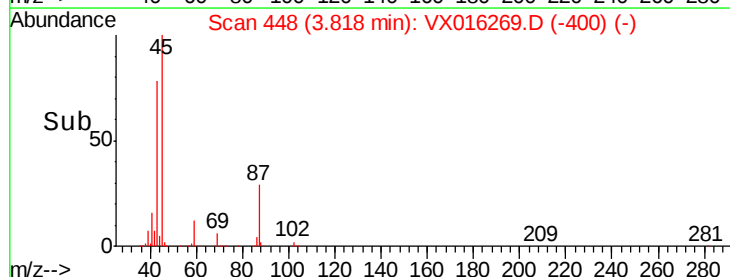
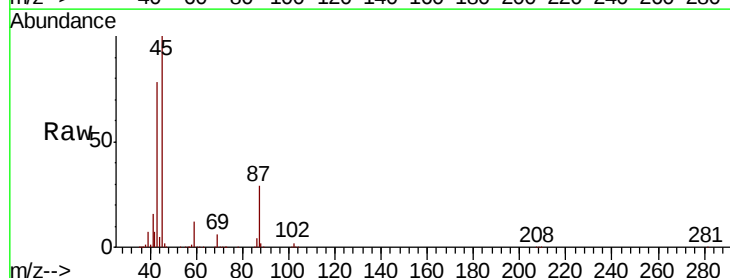
RT: 3.82 min Scan# 448

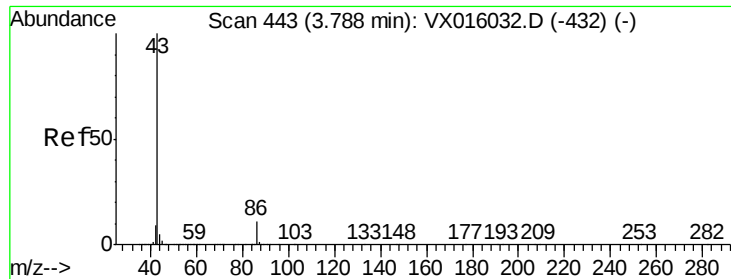
Delta R.T. -0.01 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Tgt Ion:	45	Resp:	437741
Ion	Ratio	Lower	Upper
45	100		
43	78.0	61.1	91.7
87	28.9	23.0	34.6
59	12.0	9.8	14.6





#23

Vinyl Acetate

Concen: 238.530 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1940738

Ion Ratio Lower Upper

43 100

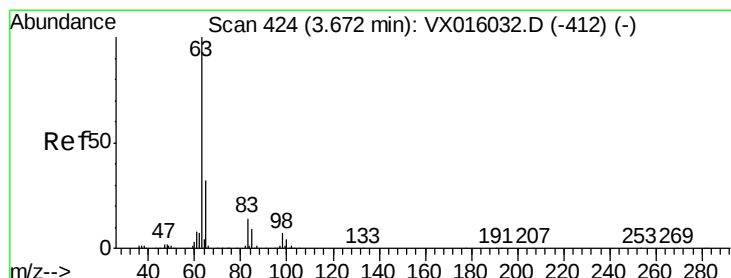
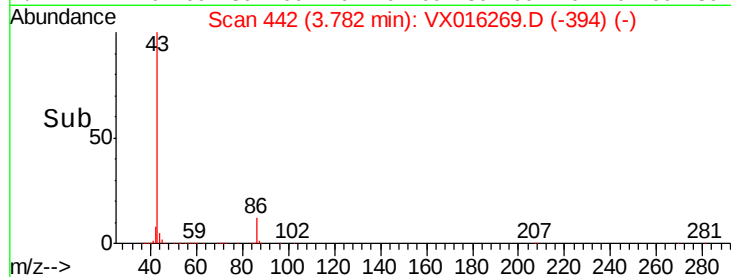
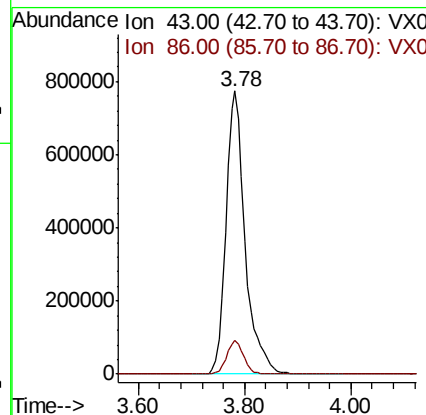
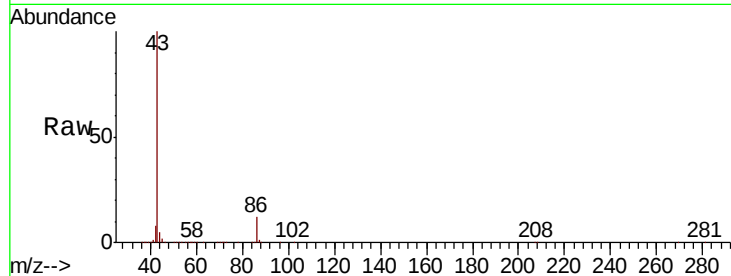
86 11.8 9.0 13.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.292 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

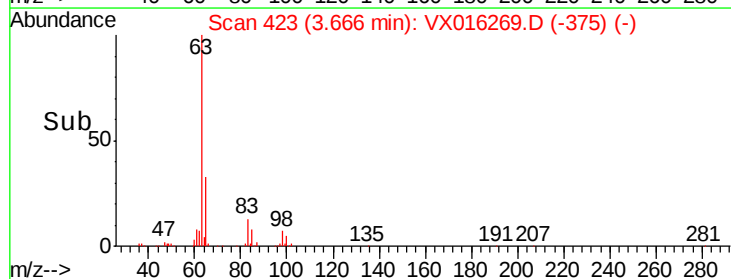
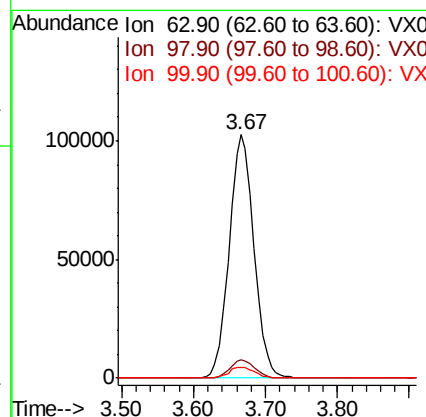
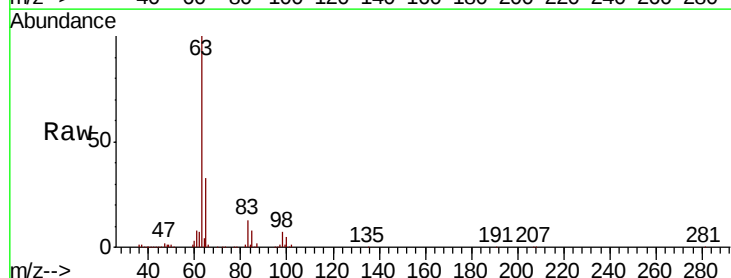
Tgt Ion: 63 Resp: 244654

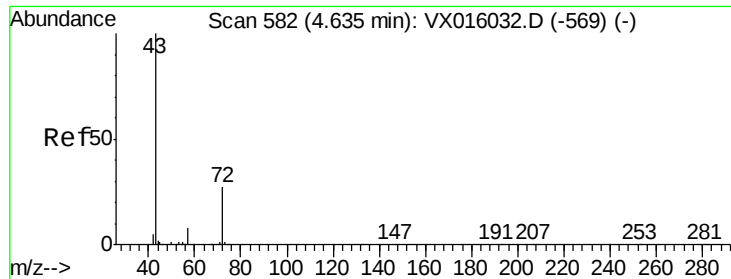
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.5

100 4.6 2.1 6.5





#25

2-Butanone

Concen: 235.035 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 571920

Ion Ratio Lower Upper

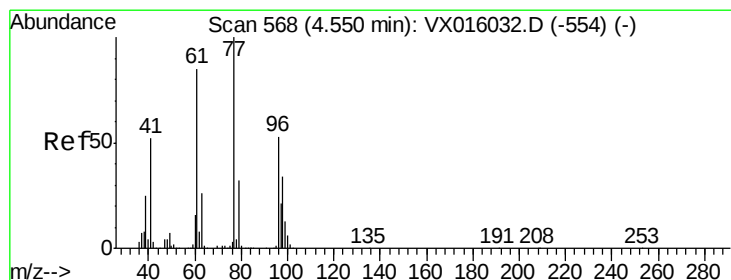
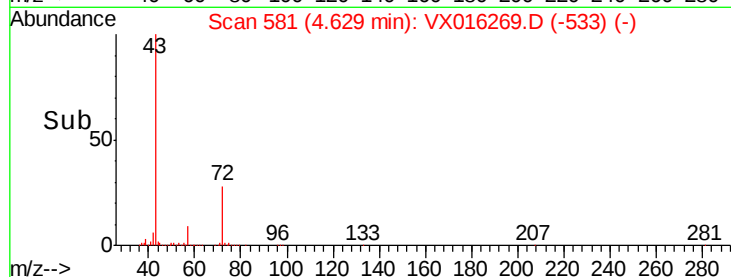
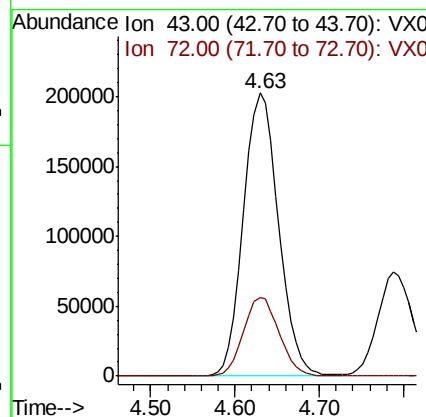
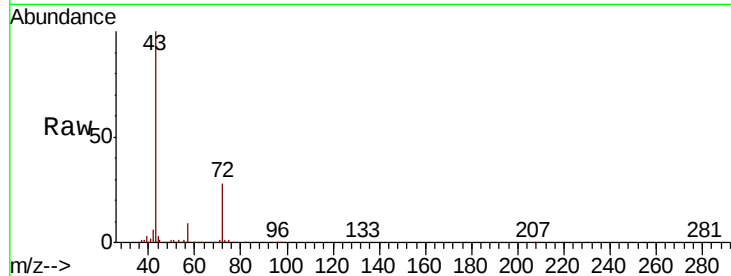
43 100

72 27.7 21.8 32.8

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 46.150 ug/l

RT: 4.54 min Scan# 567

Delta R.T. -0.01 min

Lab File: VX016269.D

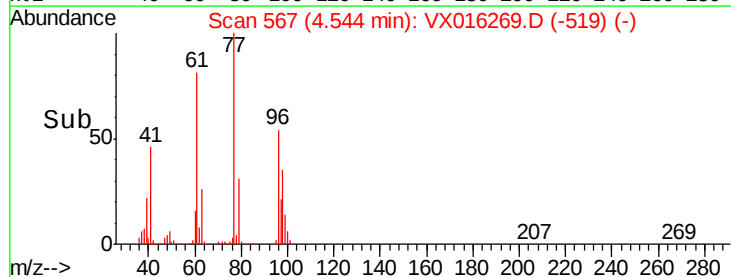
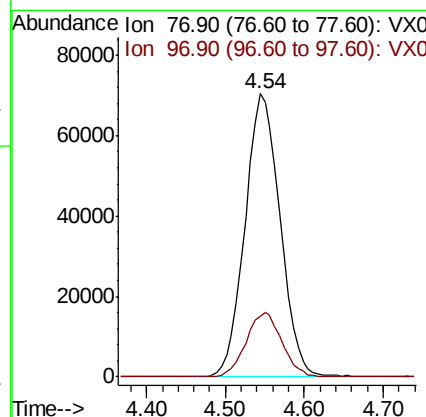
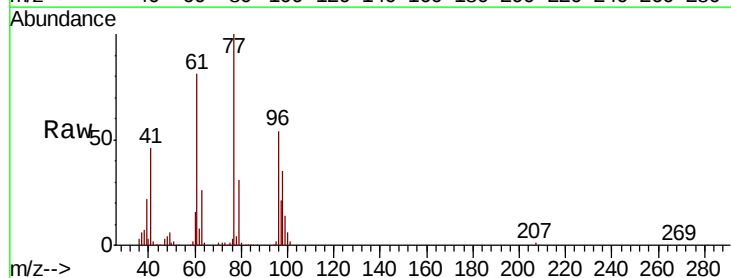
Acq: 15 May 2020 10:34

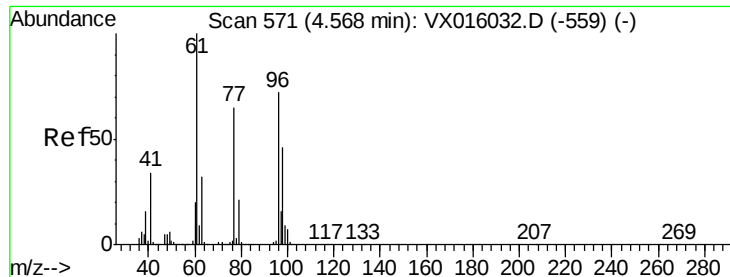
Tgt Ion: 77 Resp: 218035

Ion Ratio Lower Upper

77 100

97 23.1 11.2 33.6





#27

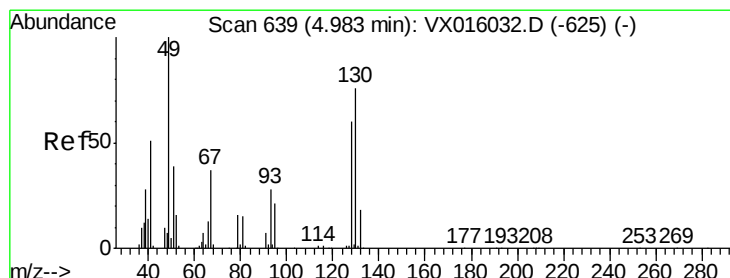
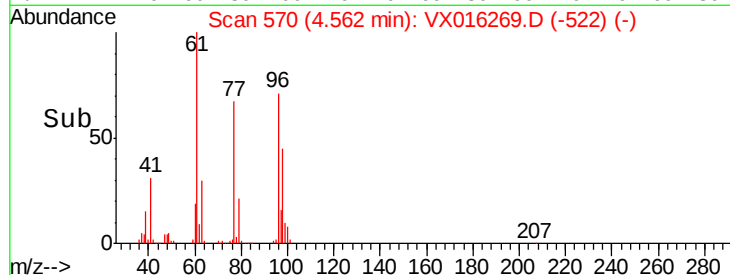
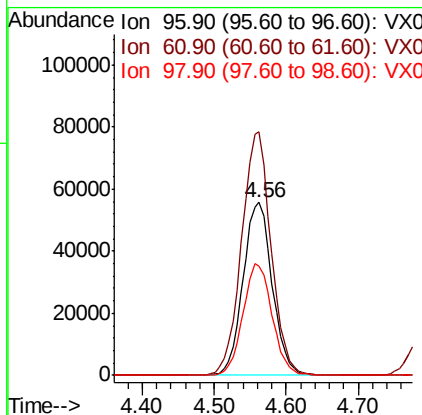
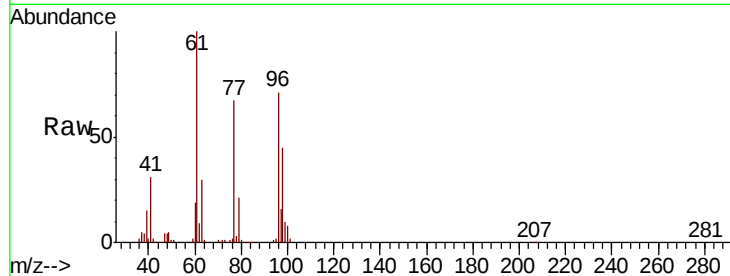
cis-1,2-Dichloroethene
Concen: 48.083 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	156610		
61	142.0	0.0	296.2	
98	64.4	0.0	129.4	

Manual Integrations
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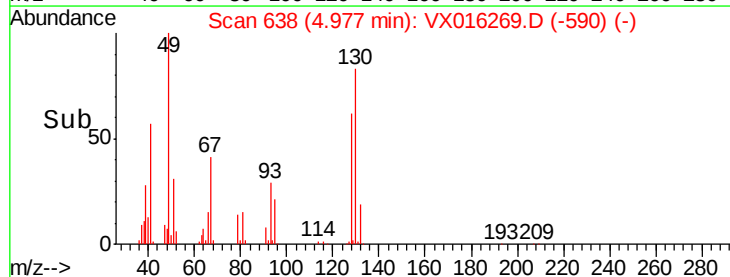
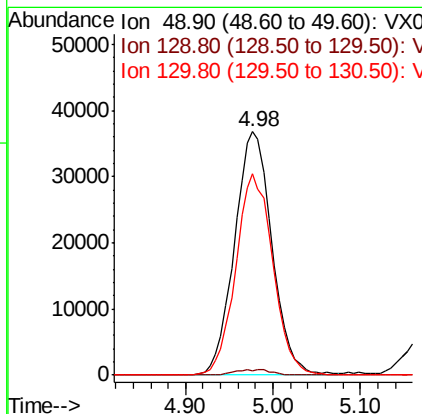
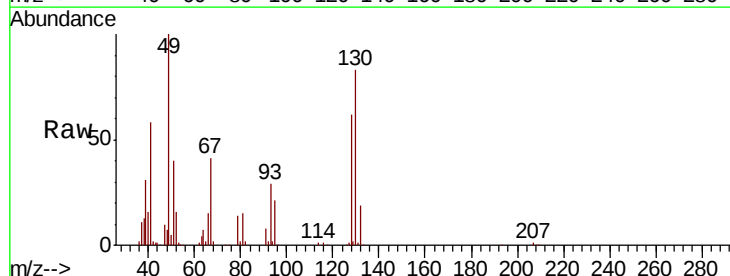
MMDadoda
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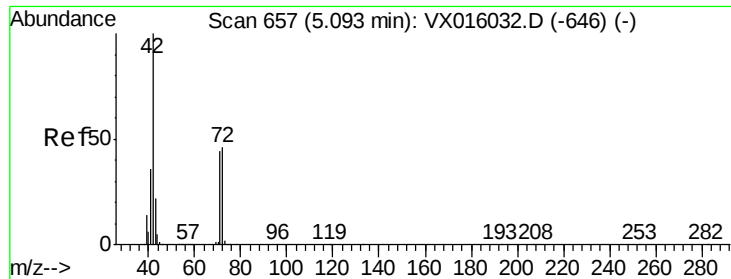


#28

Bromochloromethane
Concen: 46.433 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	109533		
129	1.1	0.0	4.0	
130	81.9	62.4	93.6	





#29

Tetrahydrofuran

Concen: 238.811 ug/l

RT: 5.09 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Instrument :

MSVOA_X

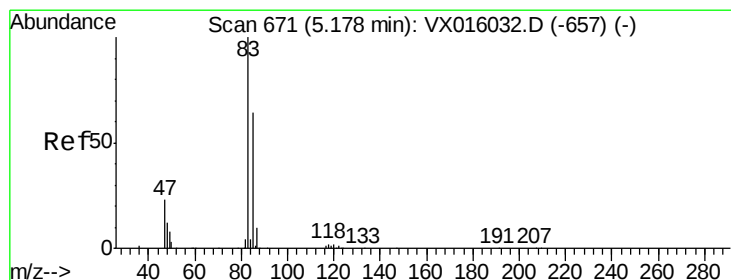
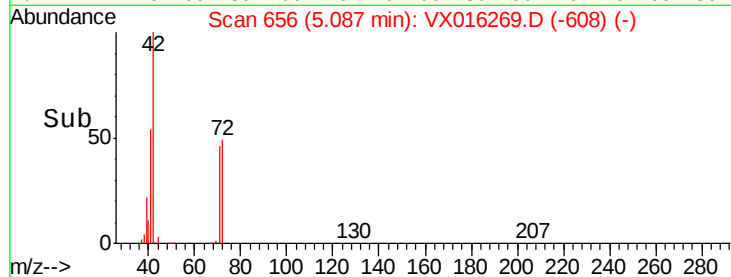
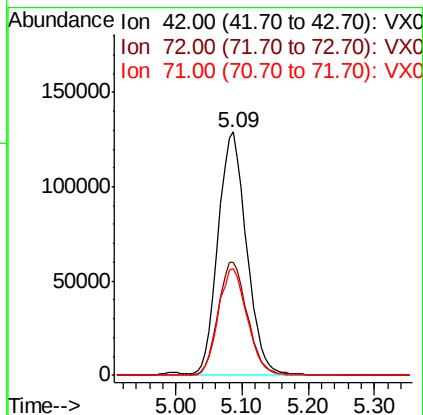
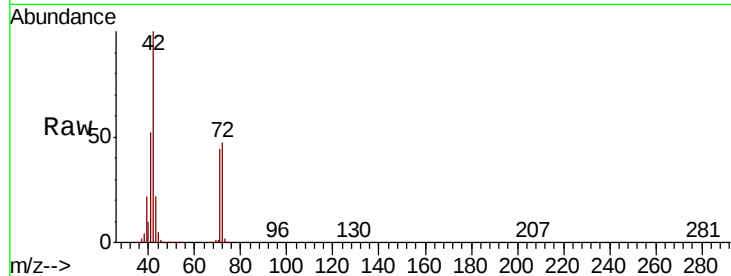
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	385044
Ion	Ratio	Lower	Upper
42	100		
72	48.0	37.1	55.7
71	44.6	34.5	51.7

Manual Integrations
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#30

Chloroform

Concen: 47.748 ug/l

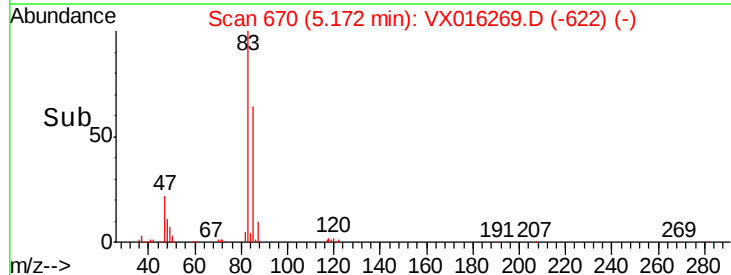
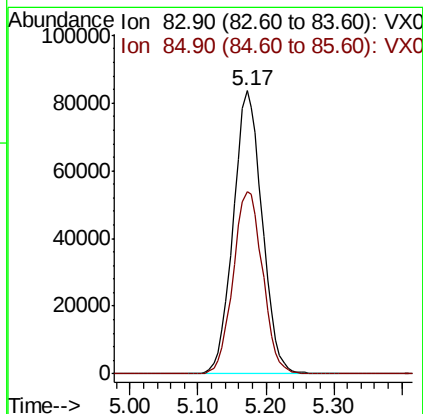
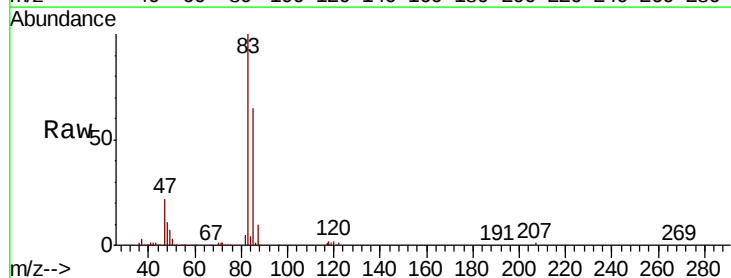
RT: 5.17 min Scan# 670

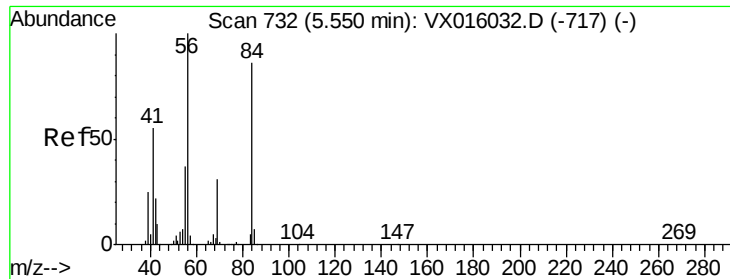
Delta R.T. -0.01 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Tgt Ion:	83	Resp:	245943
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.6	77.4





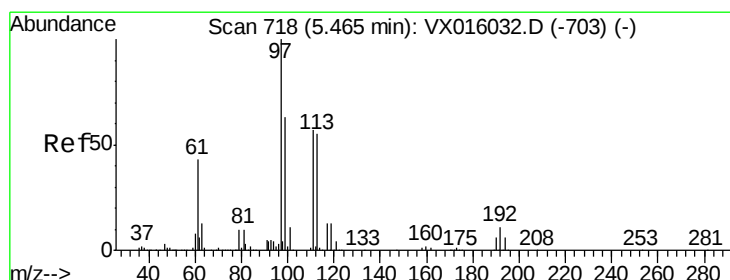
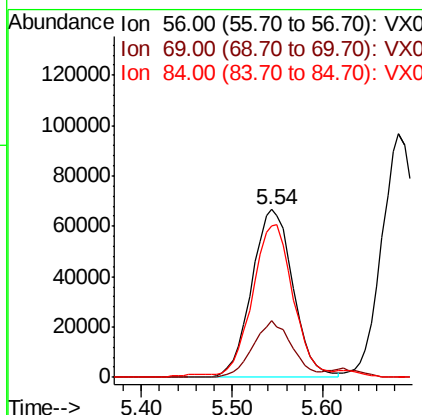
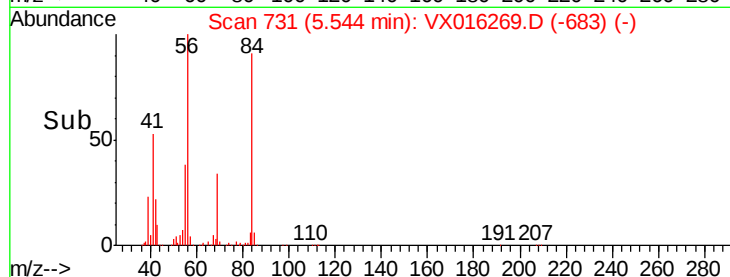
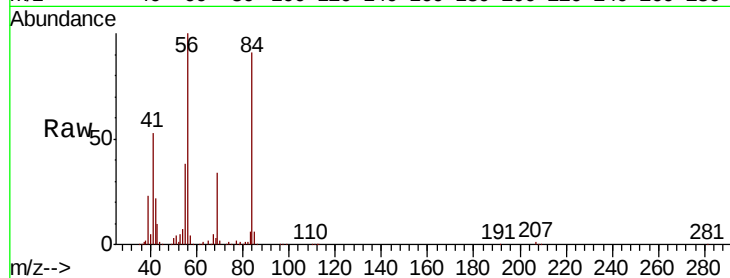
#31
Cyclohexane
Concen: 44.739 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.8	25.0	37.6
84	89.0	69.0	103.6

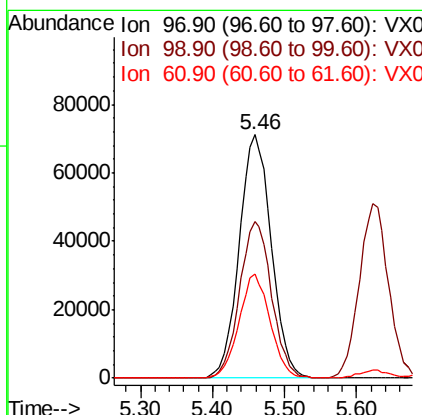
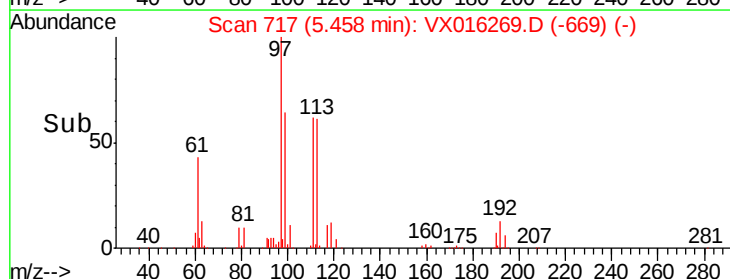
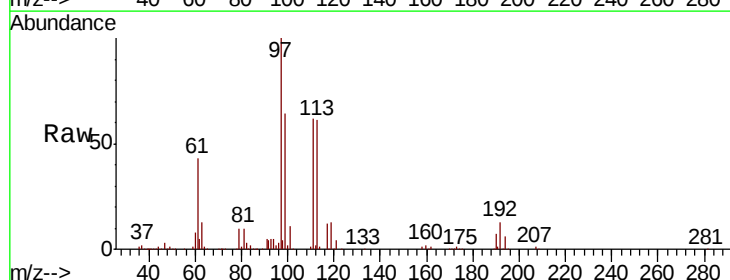
Manual Integrations
APPROVED

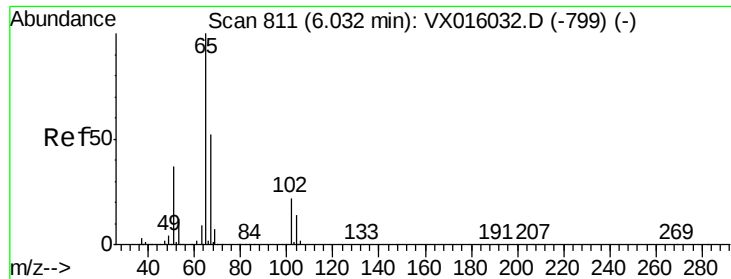
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#32
1,1,1-Trichloroethane
Concen: 46.957 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.4
61	41.7	34.5	51.7





#33

1,2-Dichloroethane-d4

Concen: 46.665 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 157931

Ion Ratio Lower Upper

65 100

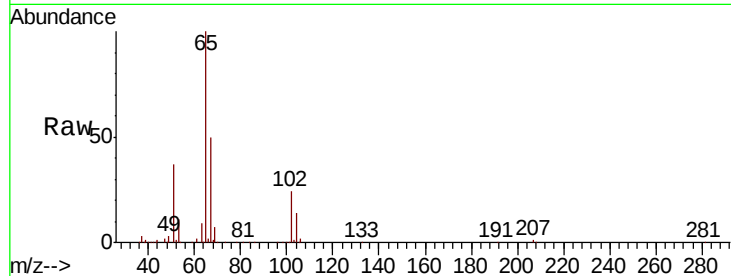
67 52.7 0.0 104.8

Manual Integrations

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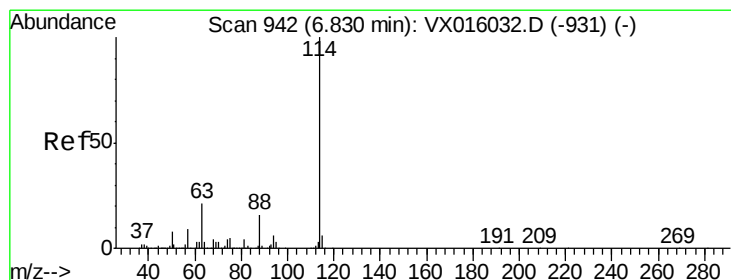
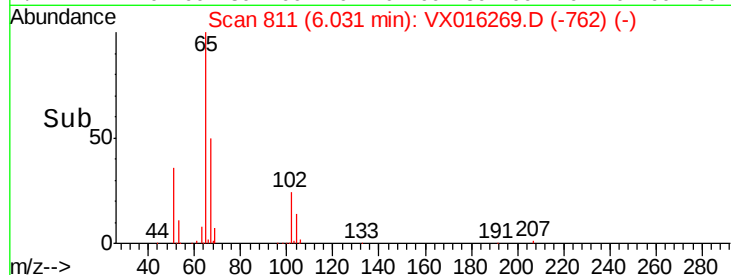
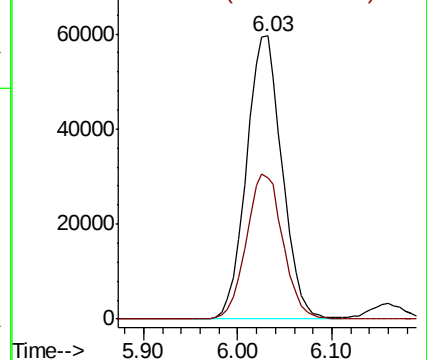
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

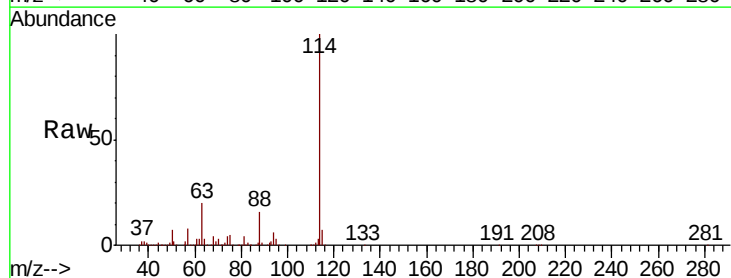
Tgt Ion: 114 Resp: 410609

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.8

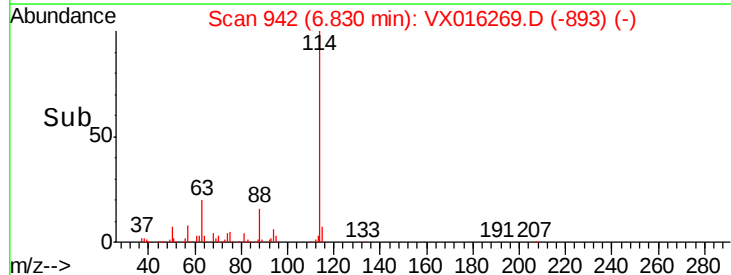
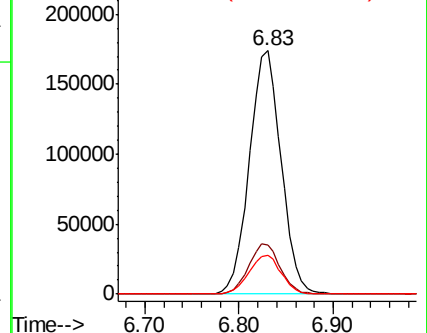
88 16.0 0.0 31.4

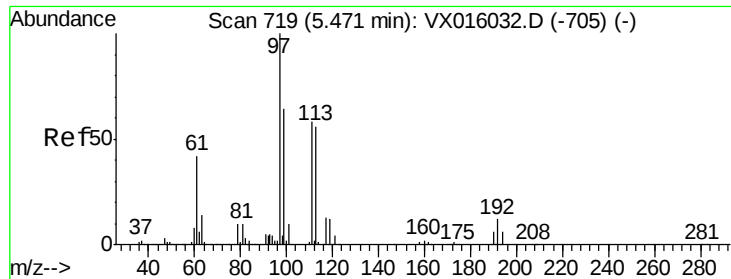


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





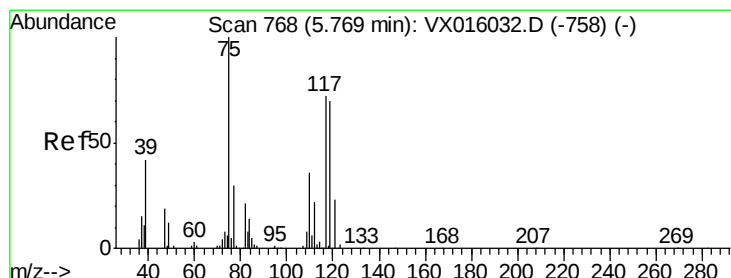
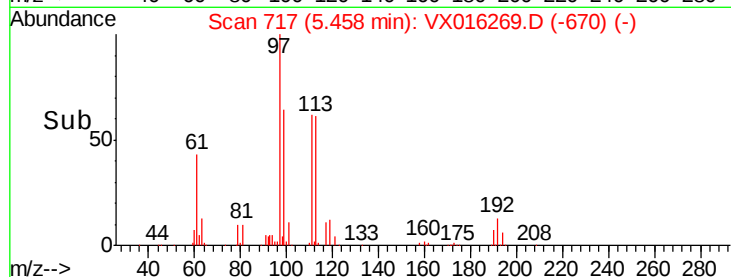
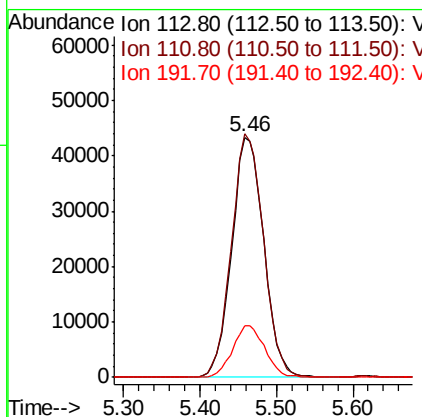
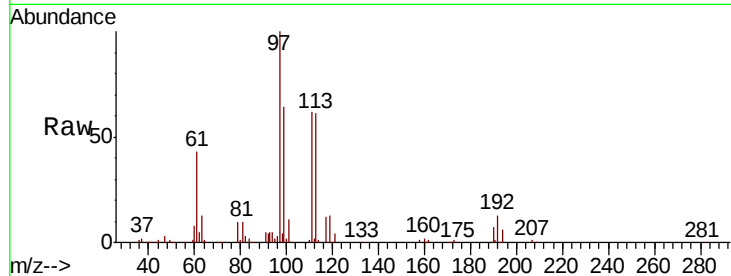
#35
Dibromofluoromethane
Concen: 48.289 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	125619		
111	101.6	81.6	122.4	
192	21.7	17.0	25.4	

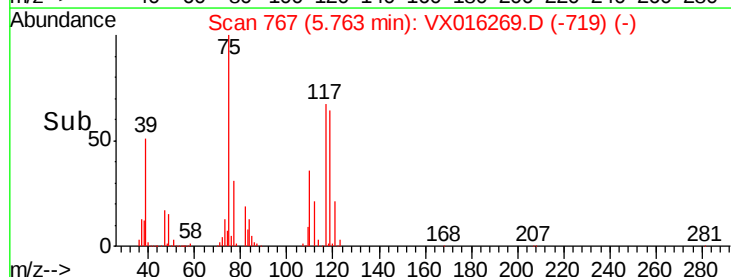
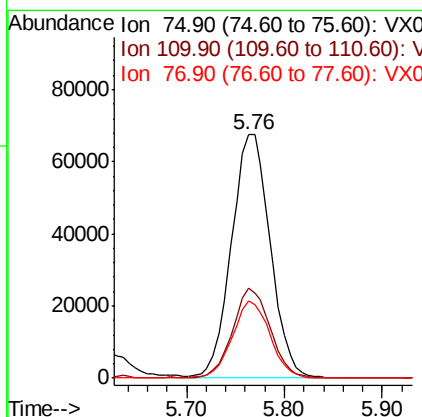
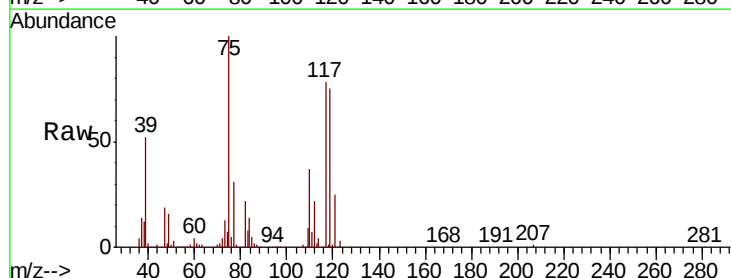
Manual Integrations
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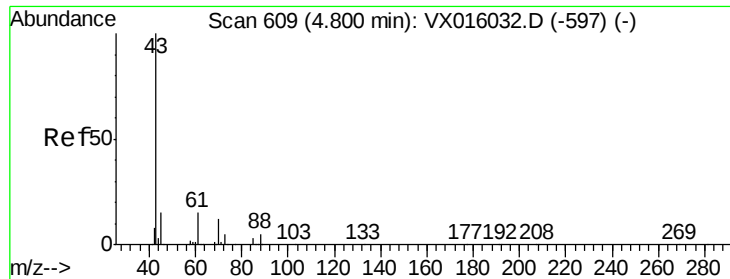
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#36
1,1-Dichloropropene
Concen: 45.772 ug/l
RT: 5.76 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	185003		
110	35.8	18.1	54.1	
77	30.9	25.0	37.6	





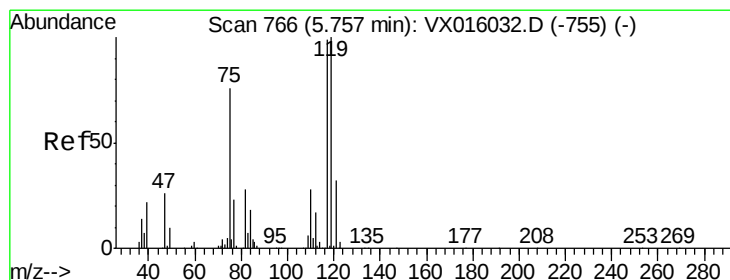
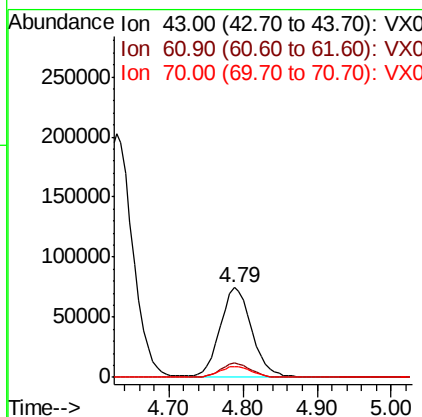
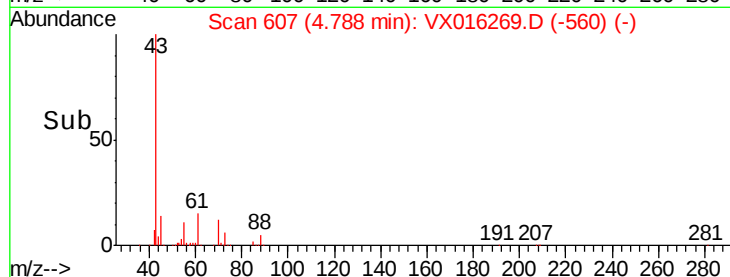
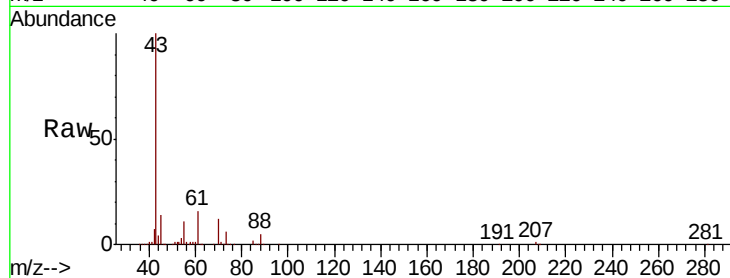
#37
Ethyl Acetate
Concen: 46.753 ug/l
RT: 4.79 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	219022
Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.7	17.5
70	12.3	9.3	13.9

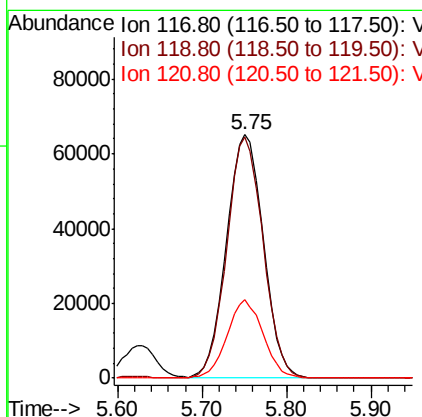
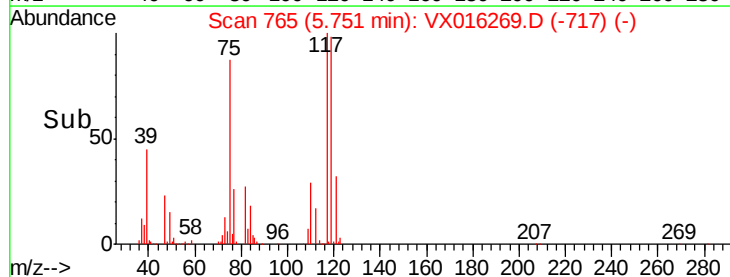
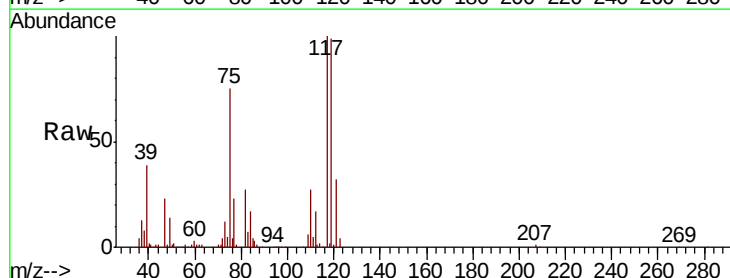
Manual Integrations
APPROVED

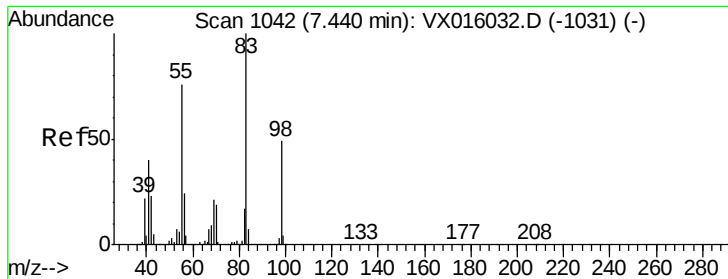
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.232 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Tgt Ion:	117	Resp:	194041
Ion	Ratio	Lower	Upper
117	100		
119	98.8	80.3	120.5
121	32.5	25.7	38.5





#39

Methvlcvclohexane

Concen: 44.447 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Instrument :

MSVOA_X

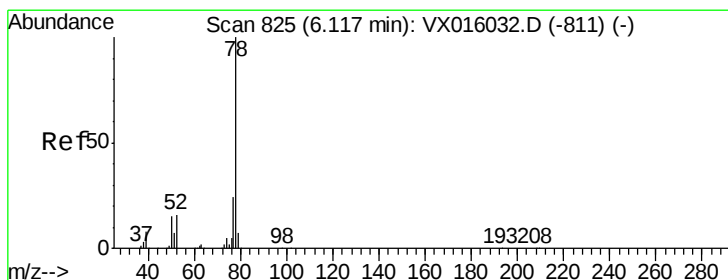
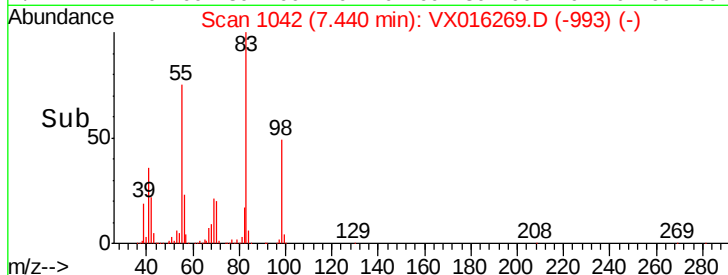
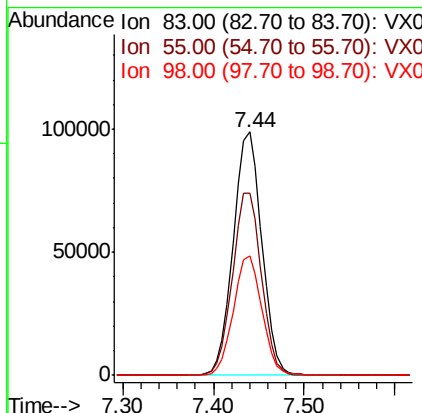
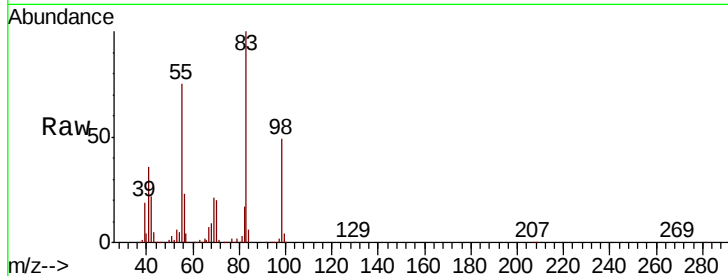
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	216345
Ion	Ratio	Lower	Upper
83	100		
55	74.6	61.1	91.7
98	49.1	39.0	58.4

Manual Integrations
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#40

Benzene

Concen: 47.622 ug/l

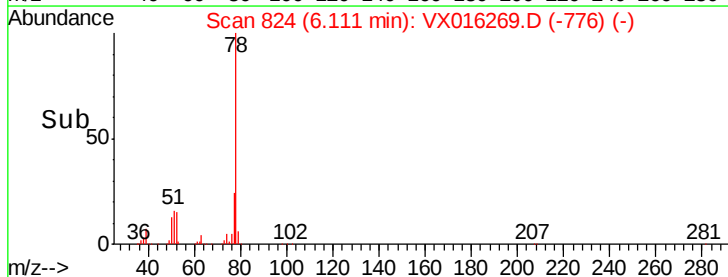
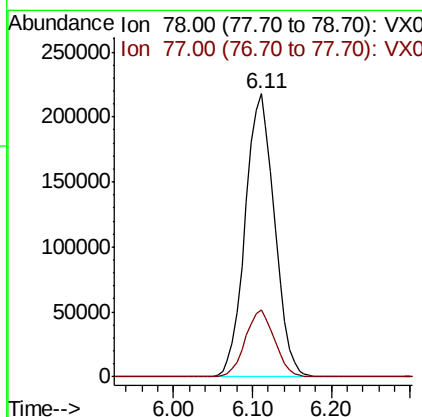
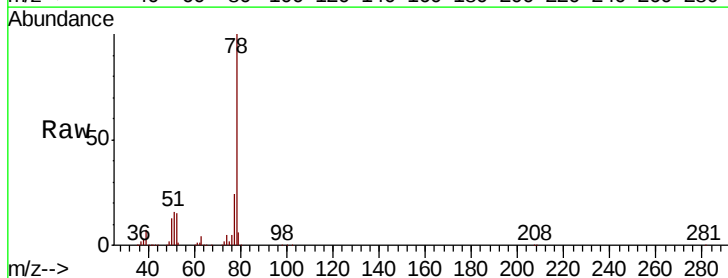
RT: 6.11 min Scan# 824

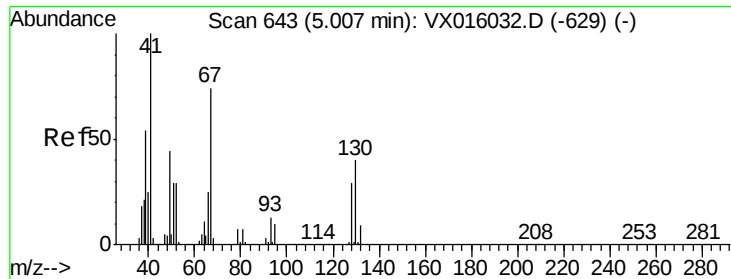
Delta R.T. -0.01 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Tgt Ion:	78	Resp:	563190
Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4





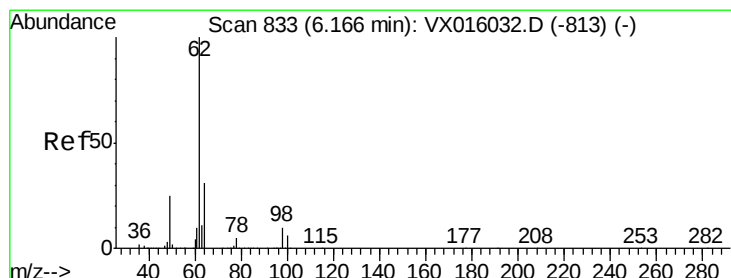
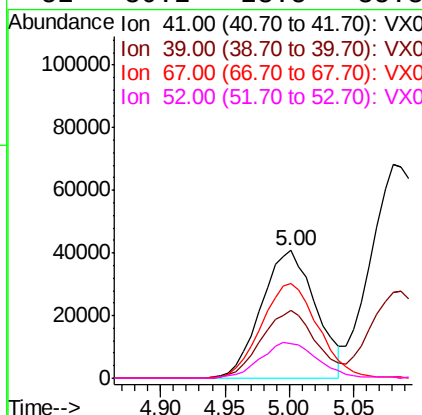
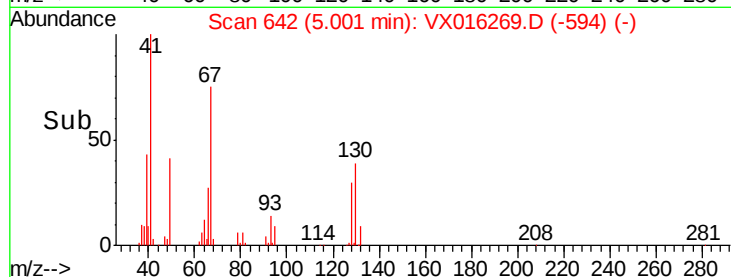
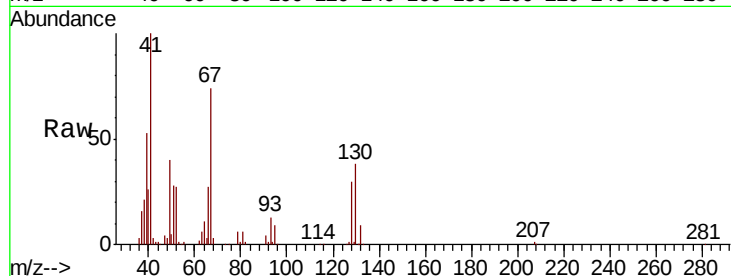
#41
Methacrylonitrile
Concen: 47.334 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.01 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		119753		
39	54.1	43.2	64.8		
67	77.4	59.3	88.9		
52	30.2	23.5	35.3		

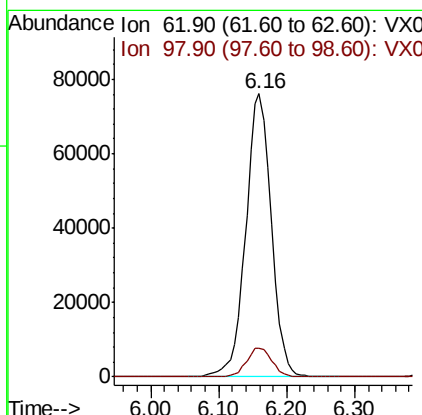
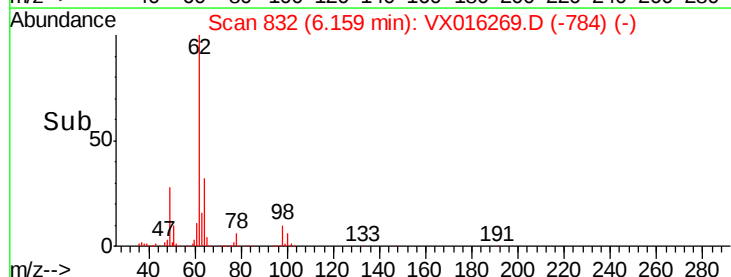
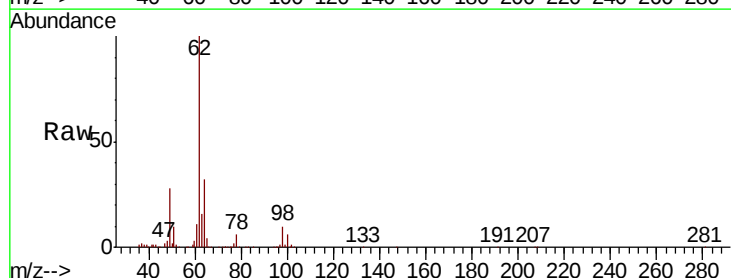
Manual Integrations
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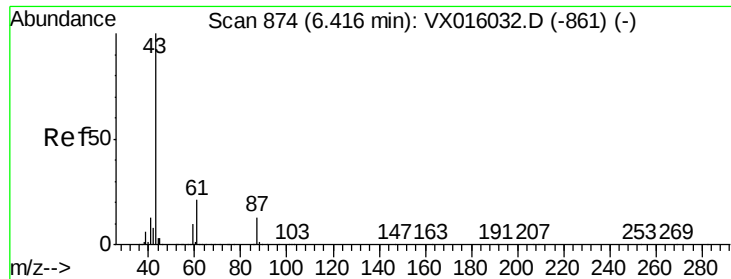
MMDadoda
5/18/2020 12:52:37 PM



#42
1,2-Dichloroethane
Concen: 46.600 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		198528		
98	10.2	0.0	19.4		





#43

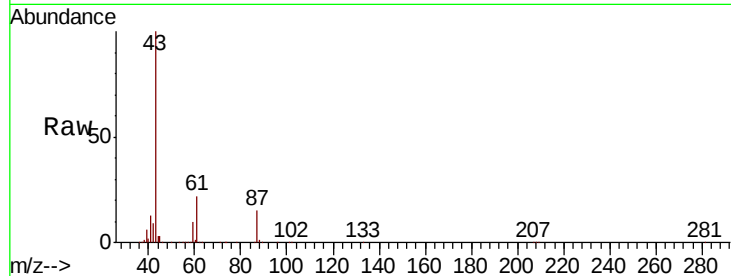
Isopropyl Acetate
 Concen: 47.787 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VX016269.D
 Acq: 15 May 2020 10:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

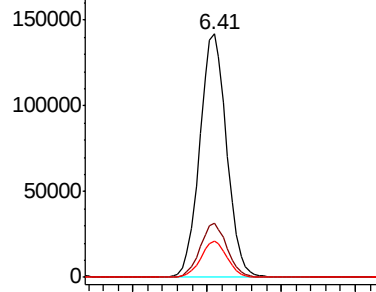
Tot Ion	43	Resp	357185
Ion Ratio	Lower	Upper	
43	100		
61	22.2	17.0	25.4
87	14.6	11.0	16.6

Manual Integrations
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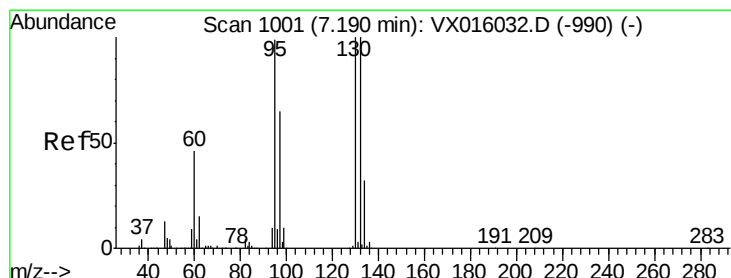
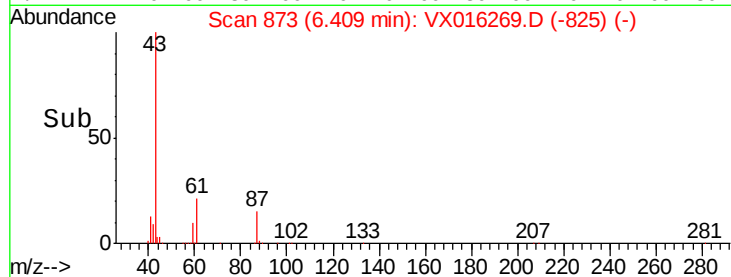
MMDadoda
 5/18/2020 12:52:37 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



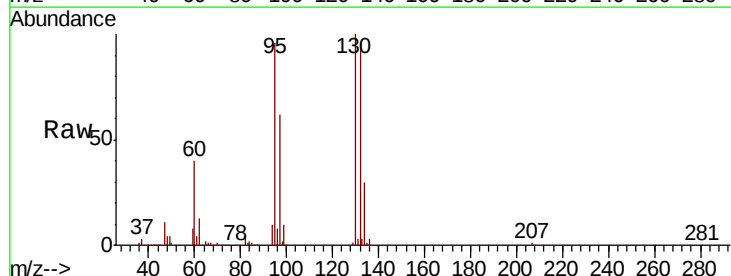
Time-->



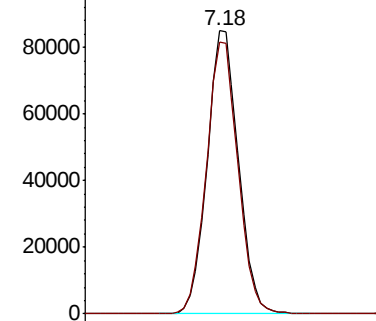
#44

Trichloroethene
 Concen: 44.746 ug/l
 RT: 7.18 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: VX016269.D
 Acq: 15 May 2020 10:34

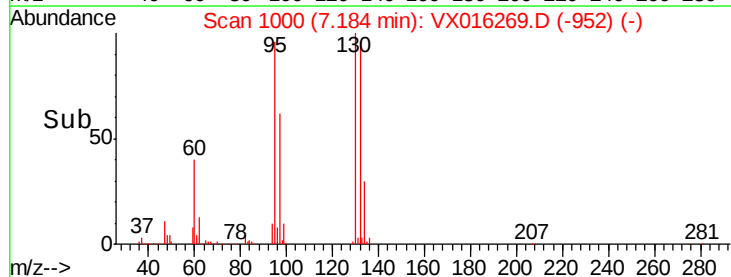
Tgt Ion	130	Resp	187997
Ion Ratio	Lower	Upper	
130	100		
95	95.9	0.0	197.4

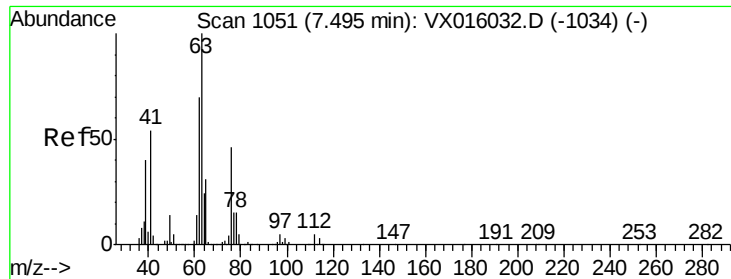


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0



Time-->





#45

1,2-Dichloropropane

Concen: 49.825 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 149098

Ion Ratio Lower Upper

63 100

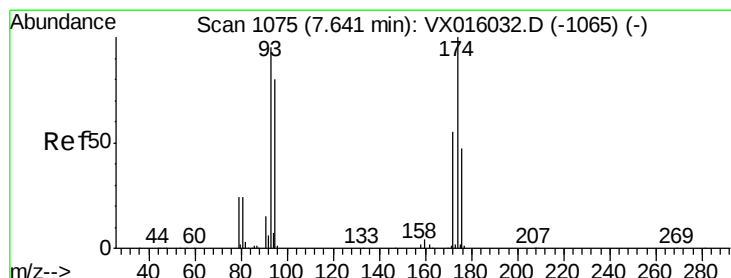
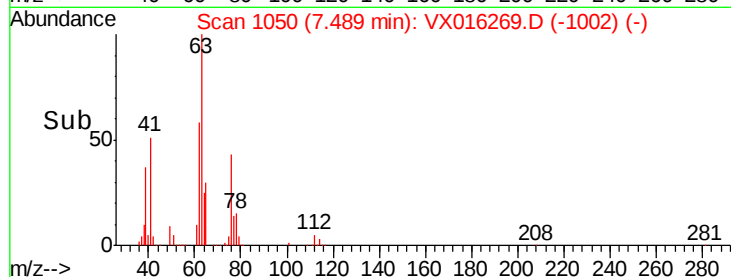
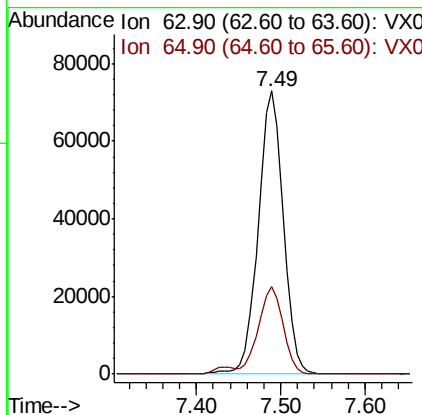
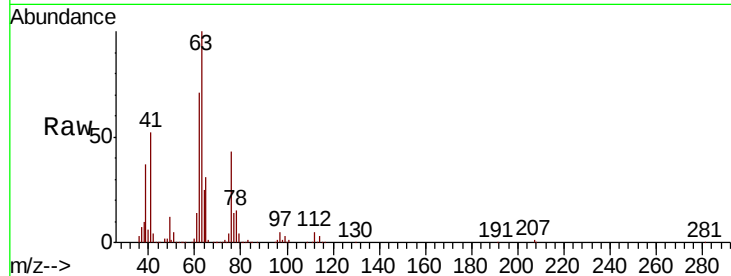
65 31.0 24.4 36.6

Manual Integrations

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#46

Dibromomethane

Concen: 48.628 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

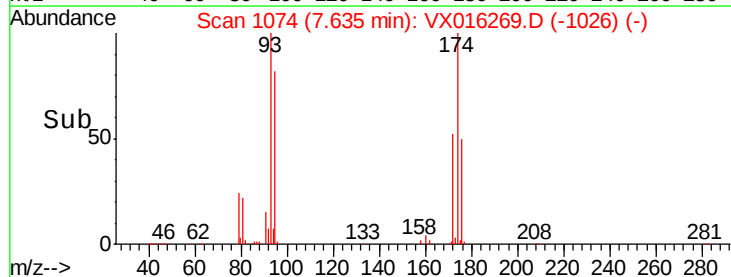
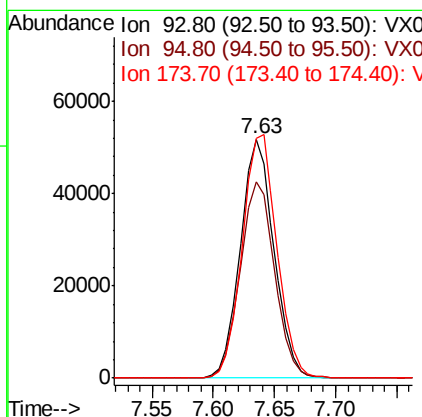
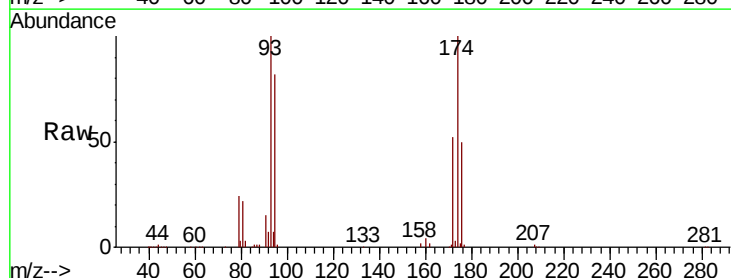
Tgt Ion: 93 Resp: 98889

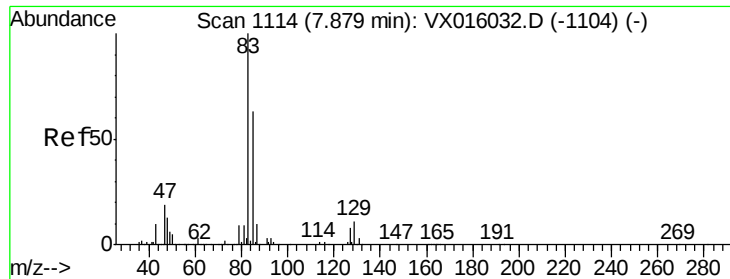
Ion Ratio Lower Upper

93 100

95 84.5 66.6 100.0

174 105.3 84.2 126.4





#47

Bromodichloromethane

Concen: 49.850 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Instrument :

MSVOA_X

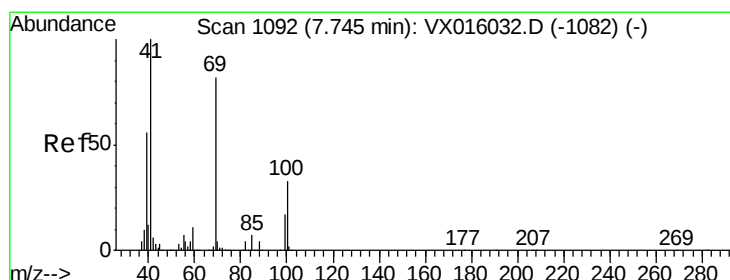
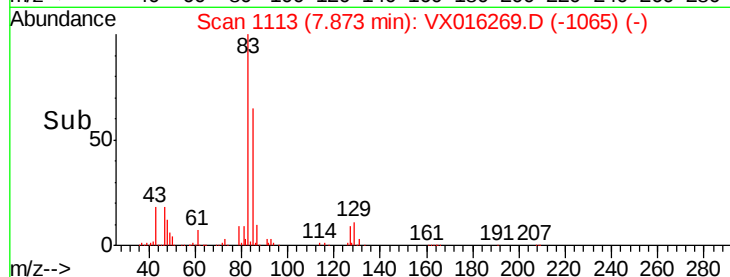
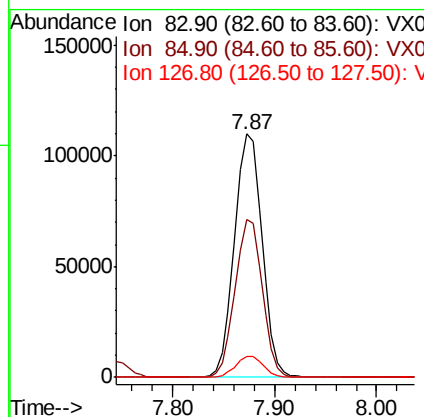
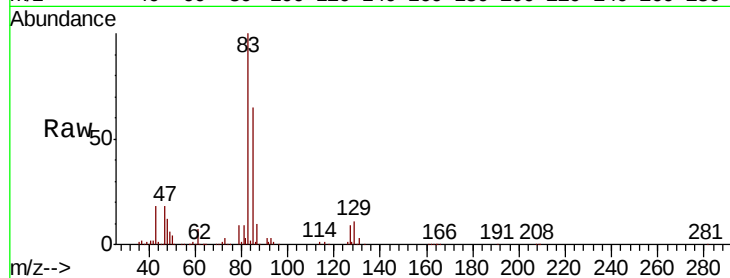
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	206464
Ion Ratio	Lower	Upper	
83	100		
85	64.8	50.5	75.7
127	8.8	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.810 ug/l

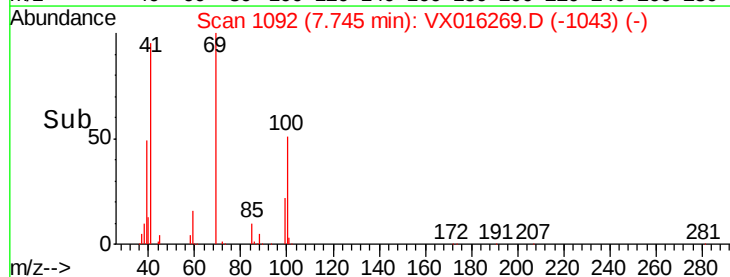
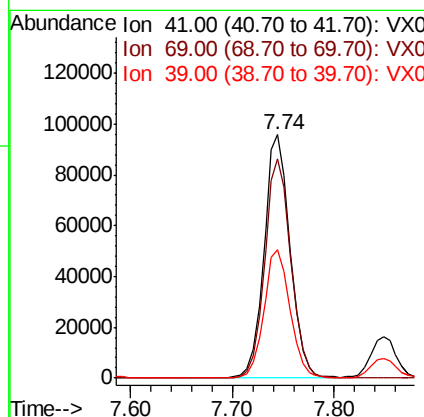
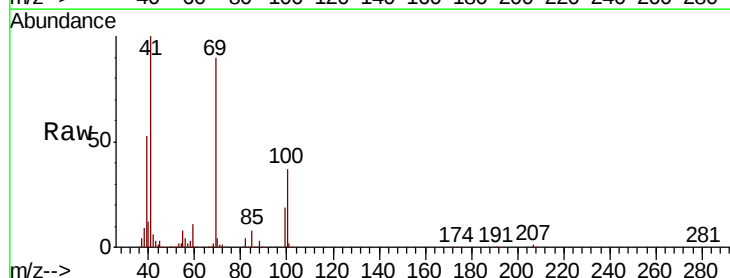
RT: 7.74 min Scan# 1092

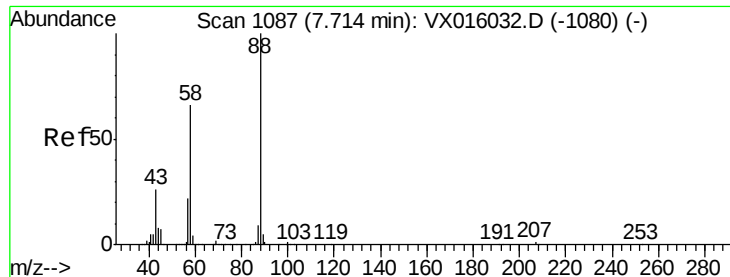
Delta R.T. -0.00 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Tgt Ion:	41	Resp:	169332
Ion Ratio	Lower	Upper	
41	100		
69	90.4	67.8	101.6
39	53.0	44.6	67.0





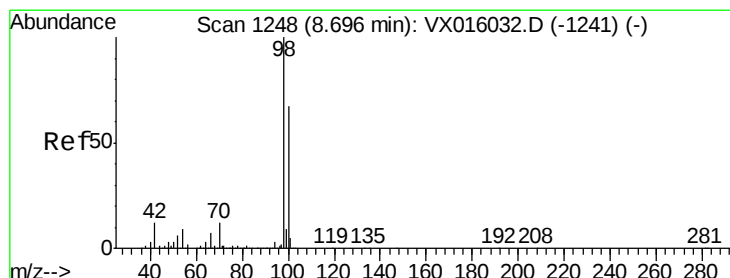
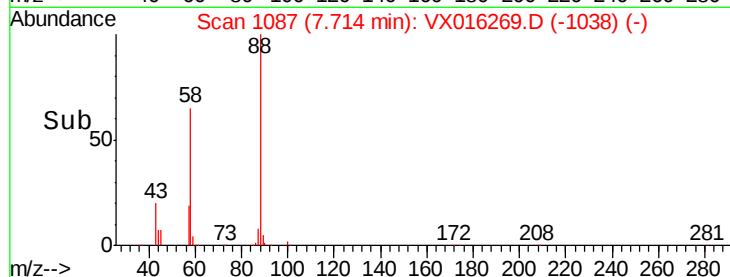
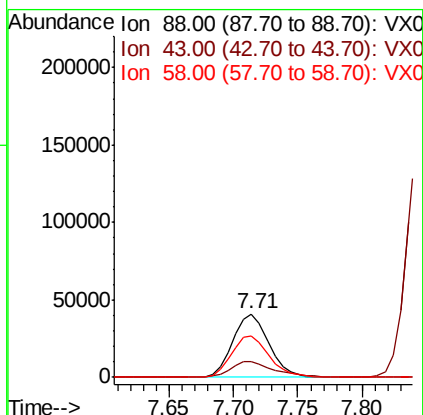
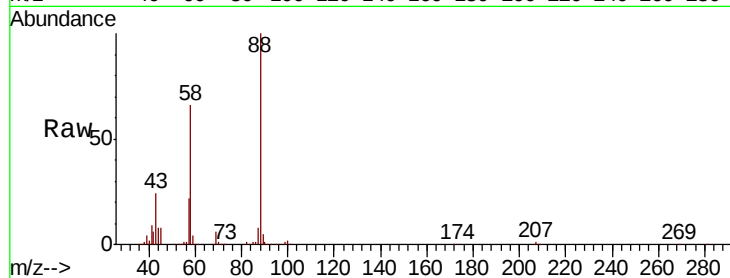
#49
1,4-Dioxane
Concen: 929.982 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.1	25.3	37.9
58	69.2	55.9	83.9

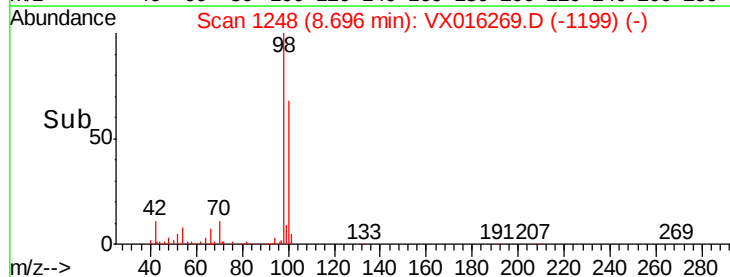
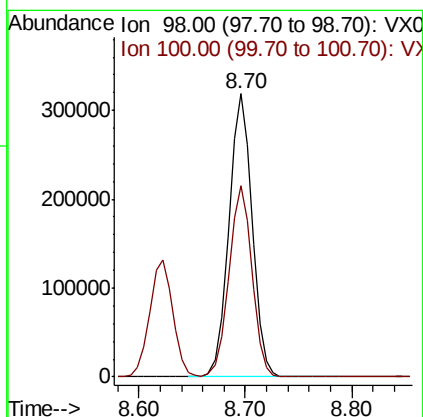
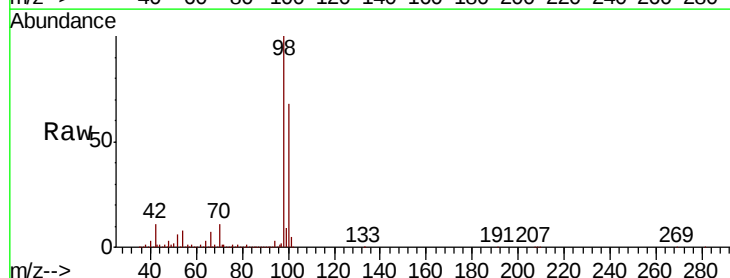
Manual Integrations
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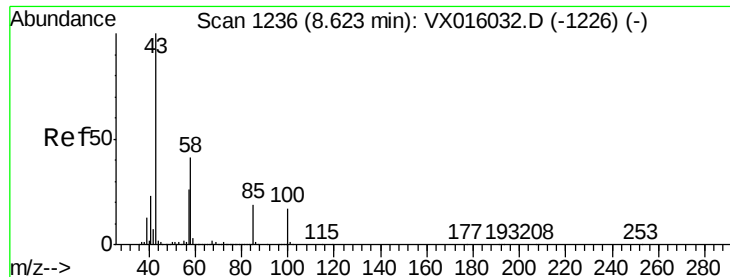
MMDadoda
5/18/2020 12:52:37 PM



#50
Toluene-d8
Concen: 48.592 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.7	80.5





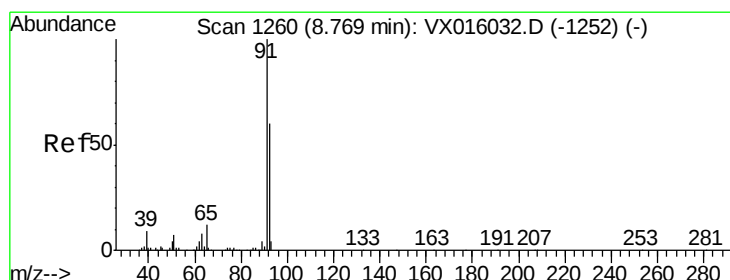
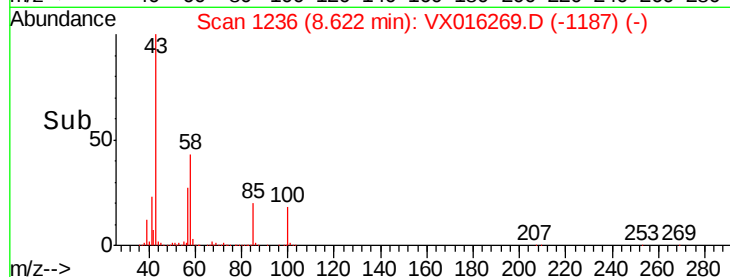
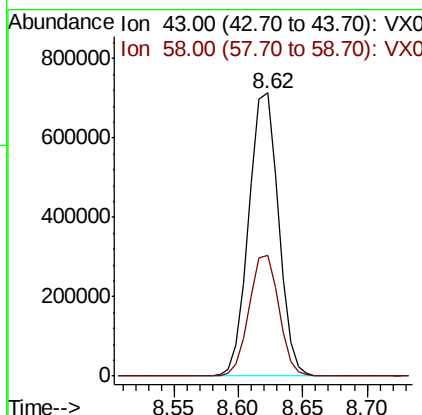
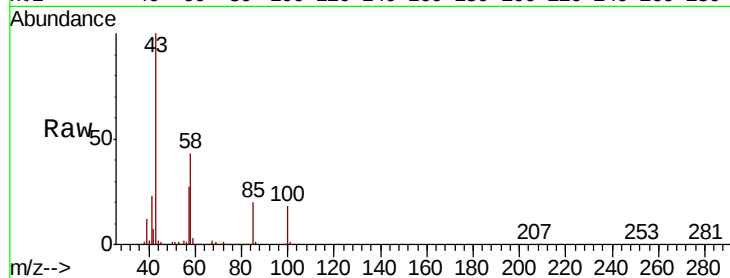
#51
4-Methyl-2-Pentanone
Concen: 248.578 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1136985
Ion Ratio Lower Upper
43 100
58 42.7 33.0 49.4

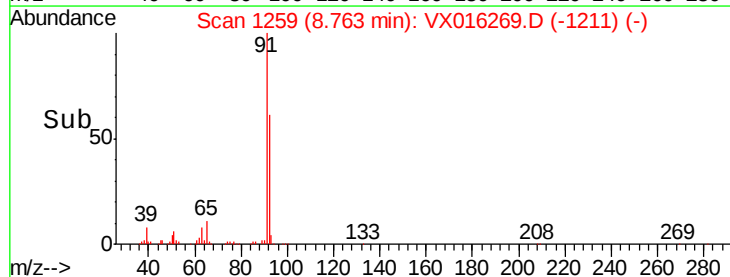
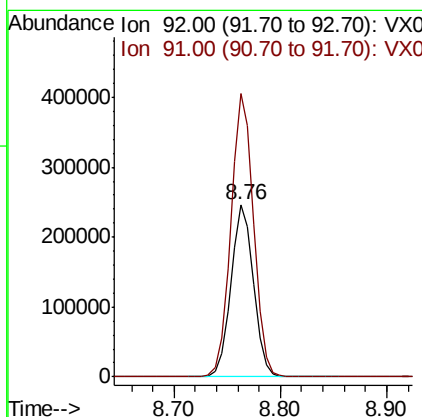
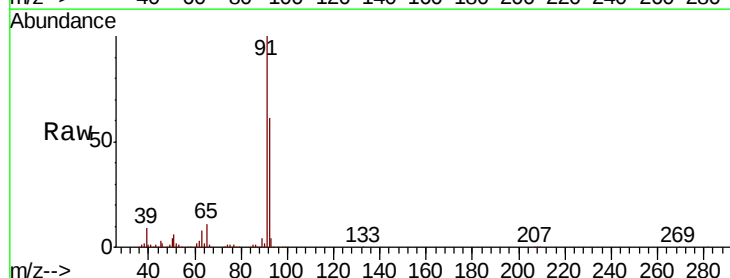
Manual Integrations
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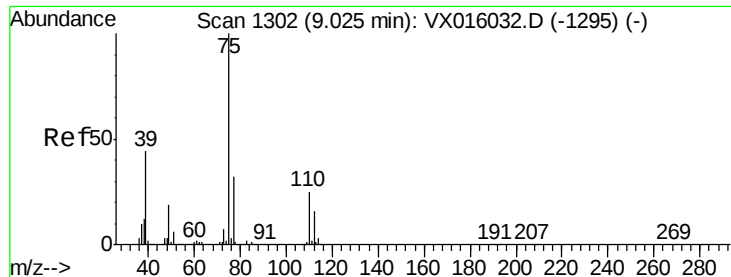
MMDadoda
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#52
Toluene
Concen: 49.537 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. -0.01 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Tgt Ion: 92 Resp: 365161
Ion Ratio Lower Upper
92 100
91 165.5 134.5 201.7





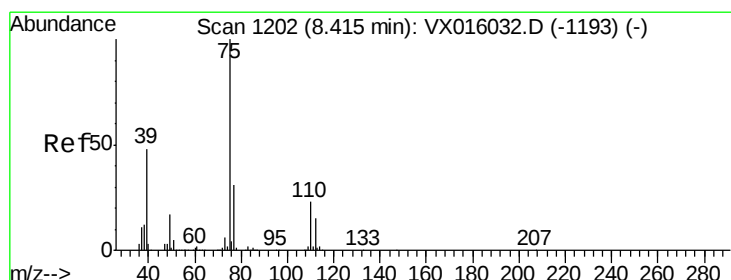
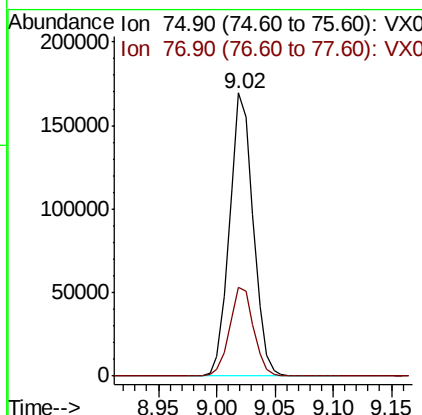
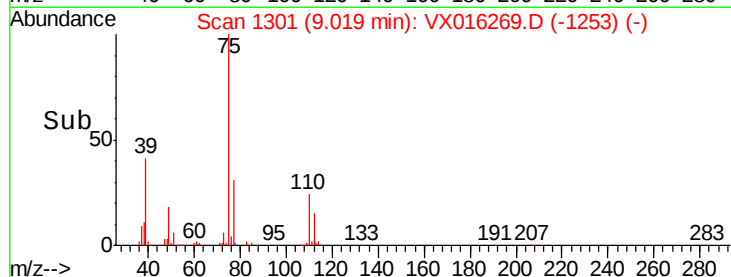
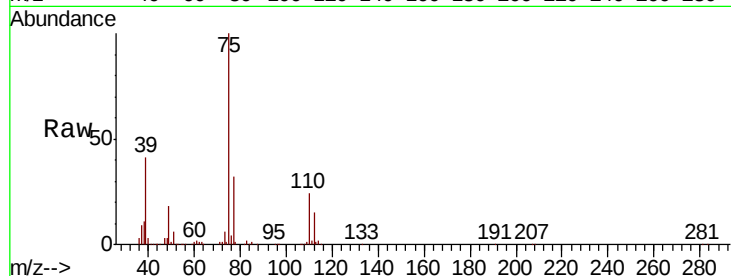
#53
 t-1,3-Dichloropropene
 Concen: 48.679 ug/l
 RT: 9.02 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VX016269.D
 Acq: 15 May 2020 10:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.7	38.5

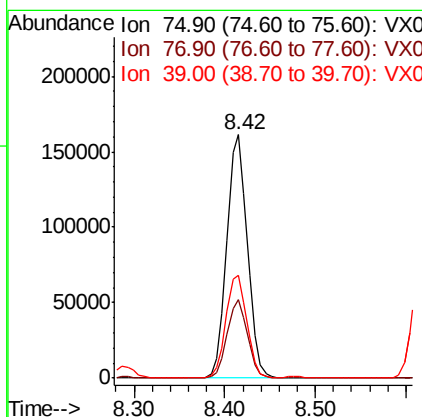
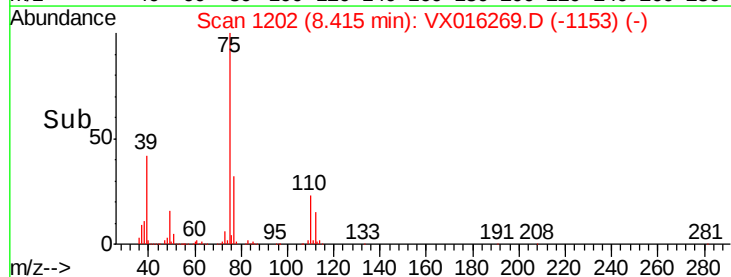
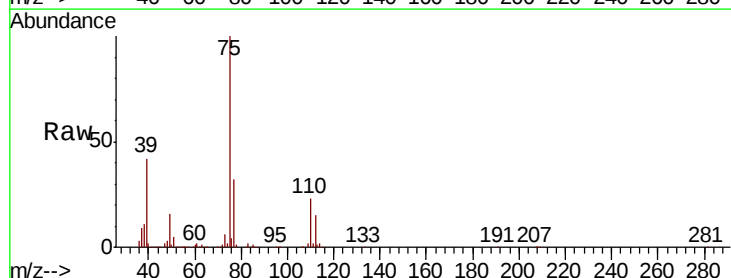
Manual Integrations
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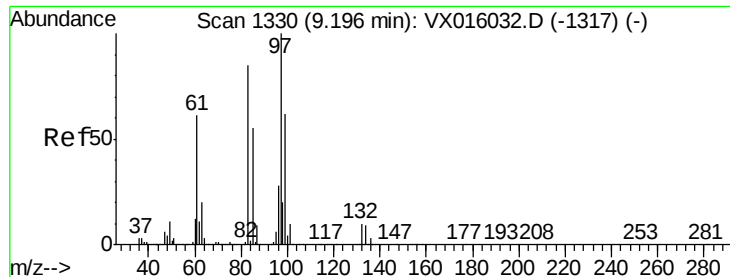
MMDadoda
 5/18/2020 12:52:37 PM



#54
 cis-1,3-Dichloropropene
 Concen: 49.394 ug/l
 RT: 8.42 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VX016269.D
 Acq: 15 May 2020 10:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.7	37.1
39	42.1	38.7	58.1





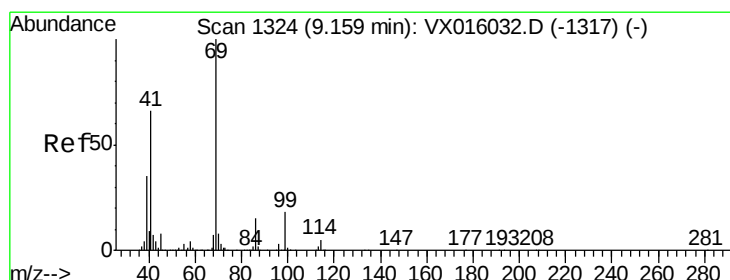
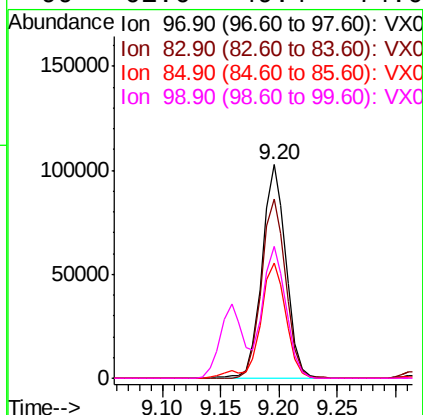
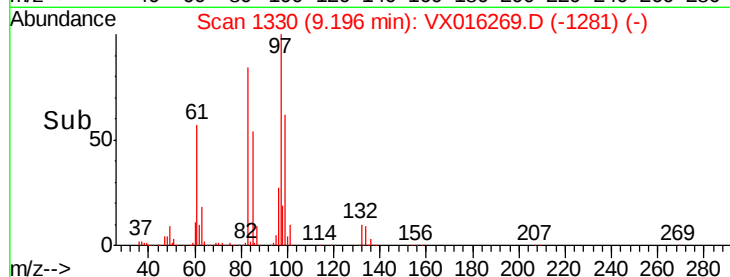
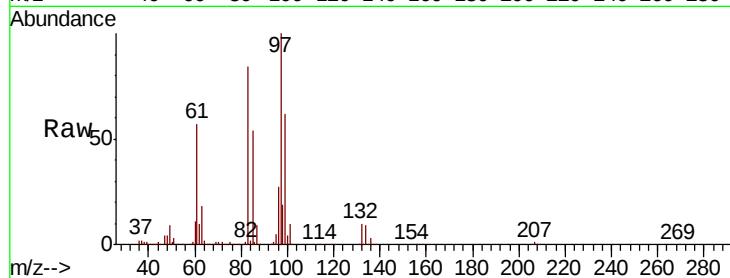
#55
 1,1,2-Trichloroethane
 Concen: 50.764 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016269.D
 Acq: 15 May 2020 10:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	147227
Ion	Ratio	Lower	Upper
97	100		
83	83.9	67.8	101.8
85	54.0	43.8	65.8
99	61.6	49.4	74.0

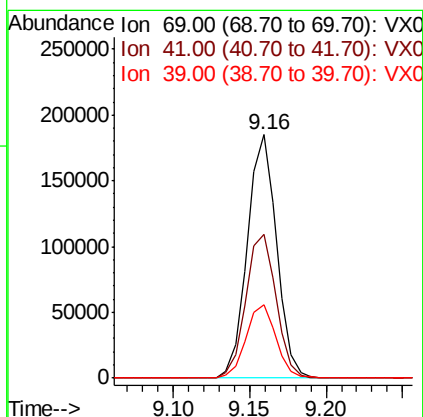
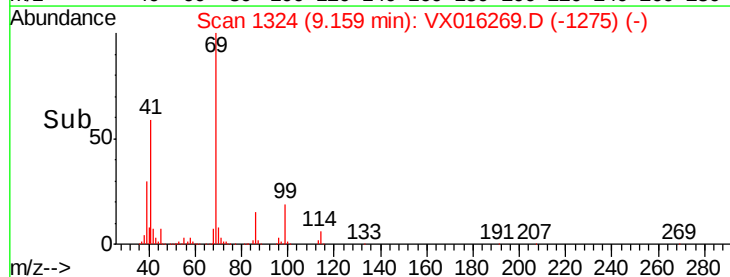
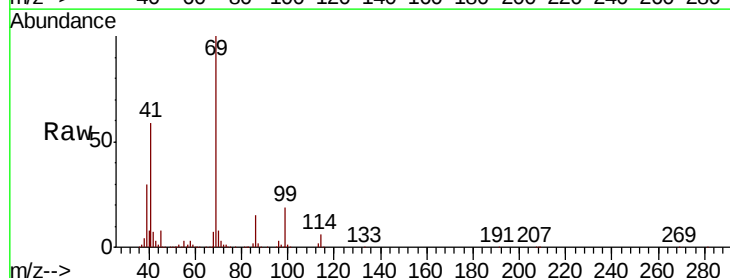
Manual Integrations
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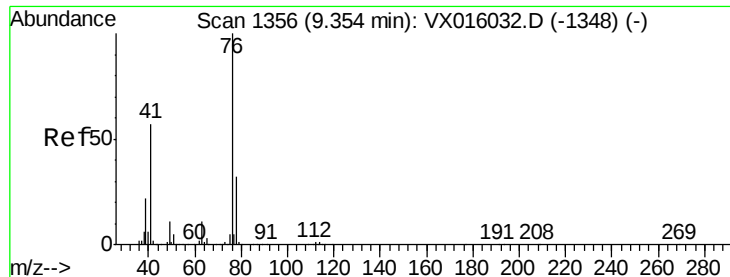
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#56
 Ethyl methacrylate
 Concen: 52.043 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016269.D
 Acq: 15 May 2020 10:34

Tgt Ion:	69	Resp:	246375
Ion	Ratio	Lower	Upper
69	100		
41	61.2	52.2	78.4
39	31.0	28.2	42.4





#57

1,3-Dichloropropane

Concen: 50.274 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 254417

Ion Ratio Lower Upper

76 100

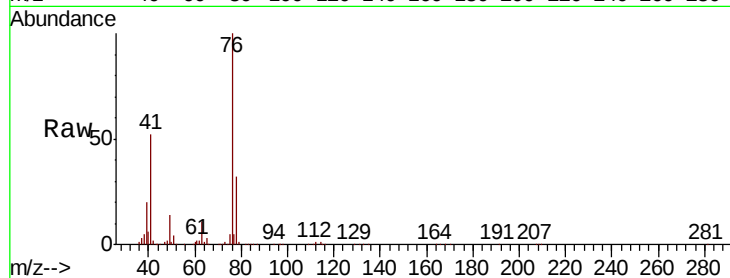
78 32.2 25.9 38.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

200000

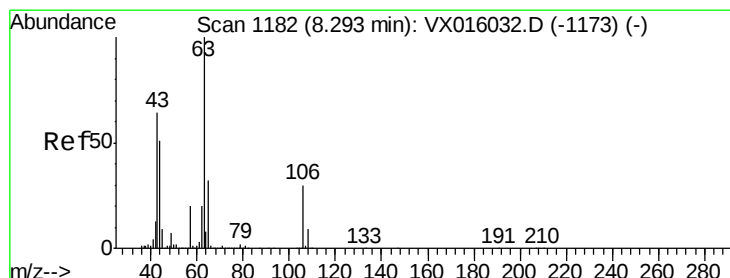
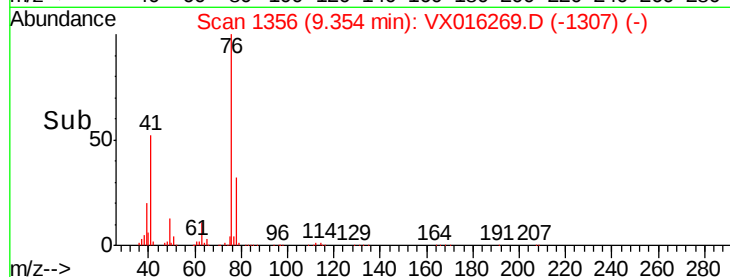
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 261.131 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VX016269.D

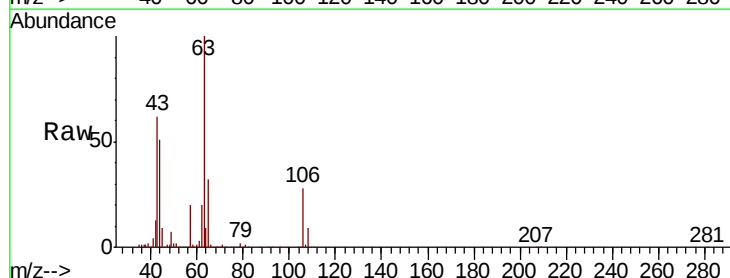
Acq: 15 May 2020 10:34

Tgt Ion: 63 Resp: 658131

Ion Ratio Lower Upper

63 100

106 29.4 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.29

400000

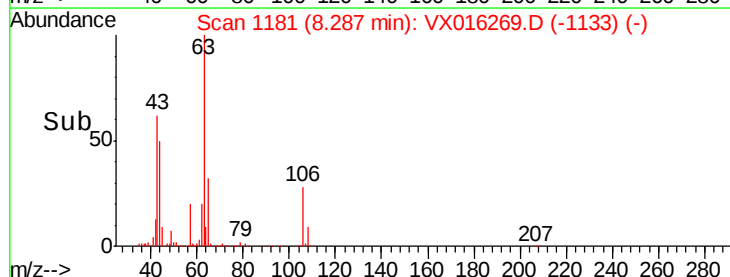
300000

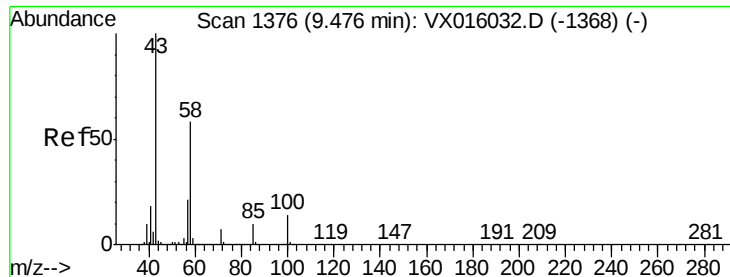
200000

100000

0

Time-->





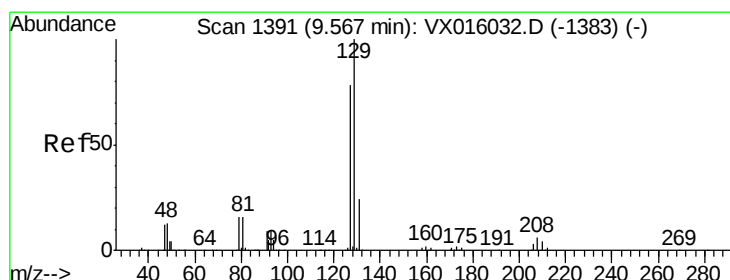
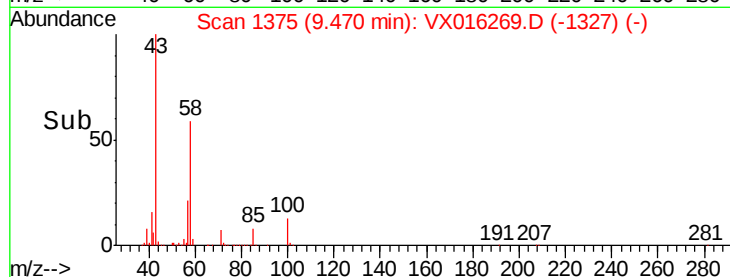
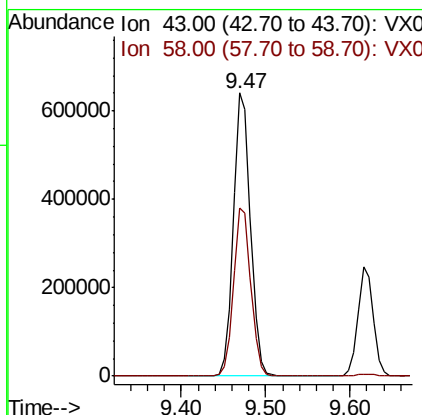
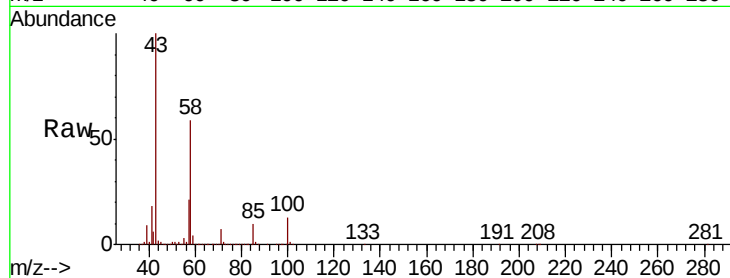
#59
2-Hexanone
Concen: 244.450 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 878073
Ion Ratio Lower Upper
43 100
58 60.1 28.6 85.9

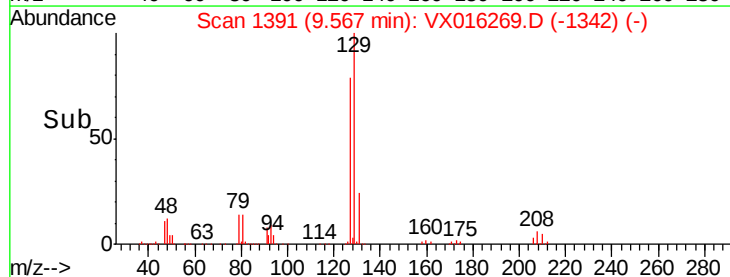
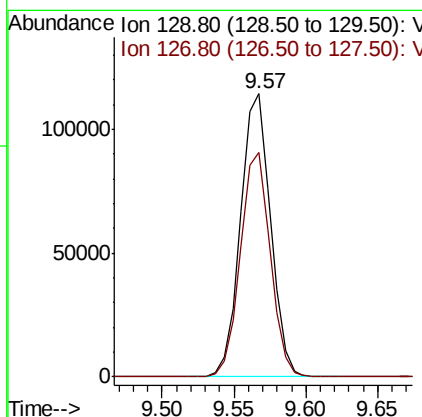
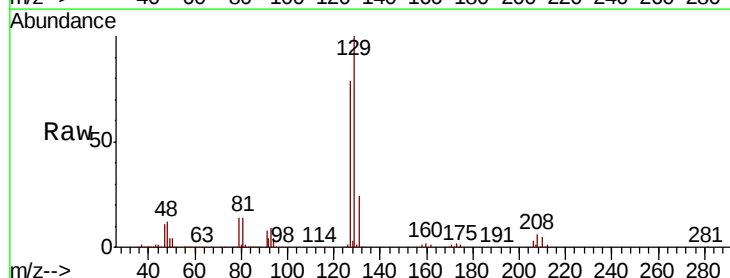
Manual Integrations
APPROVED

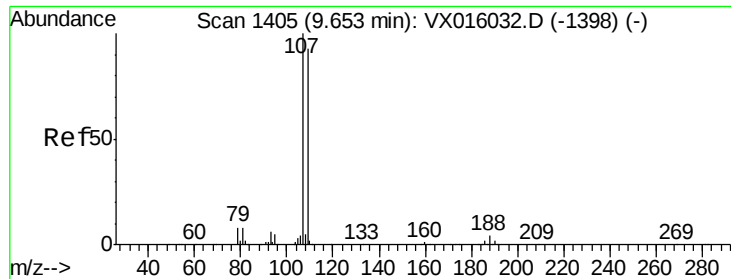
MMDadoda
5/18/2020 12:52:37 PM



#60
Dibromochloromethane
Concen: 51.868 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Tgt Ion: 129 Resp: 165676
Ion Ratio Lower Upper
129 100
127 78.6 38.4 115.2





#61

1,2-Dibromoethane

Concen: 50.196 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 157689

Ion Ratio Lower Upper

107 100

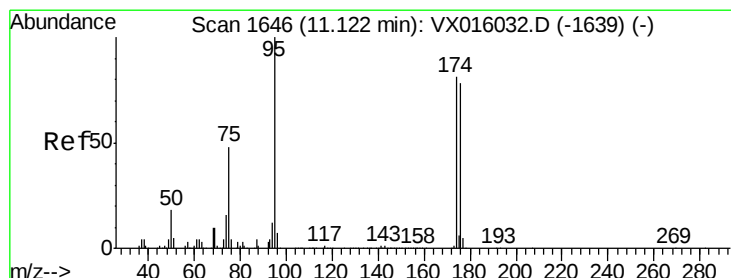
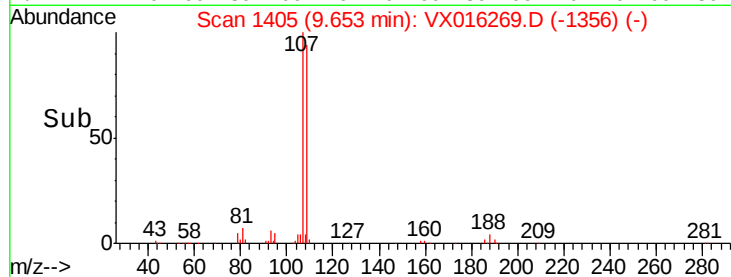
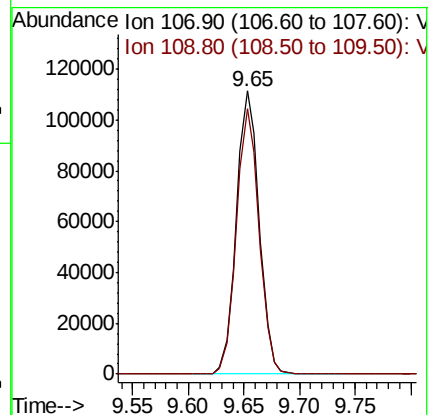
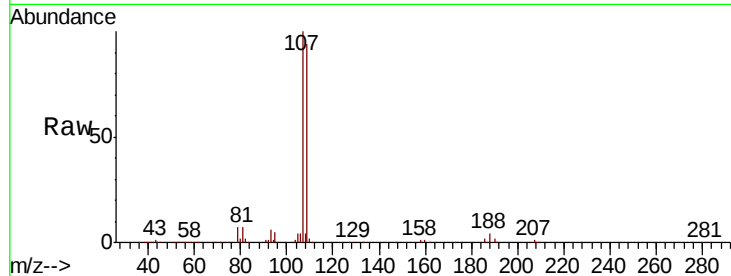
109 93.1 74.9 112.3

Manual Integrations

APPROVED

MMDadoda

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#62

4-Bromofluorobenzene

Concen: 49.835 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

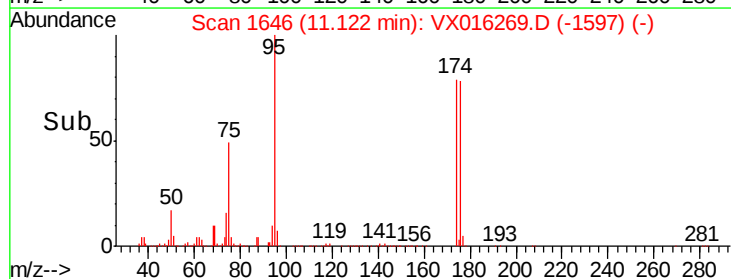
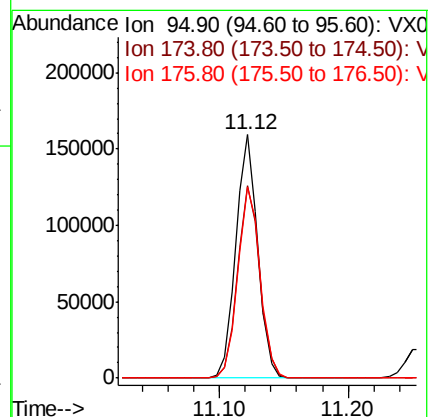
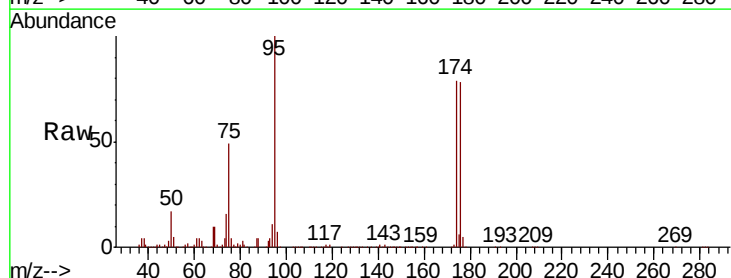
Tgt Ion: 95 Resp: 189989

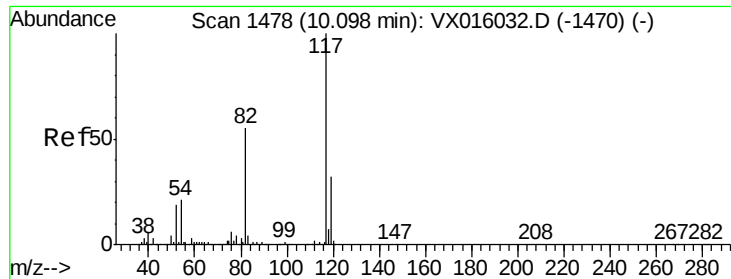
Ion Ratio Lower Upper

95 100

174 79.9 0.0 159.4

176 79.8 0.0 157.6





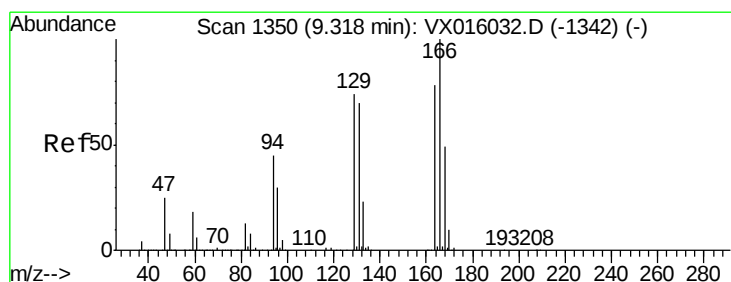
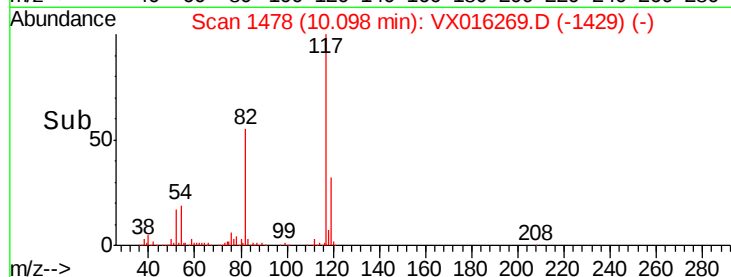
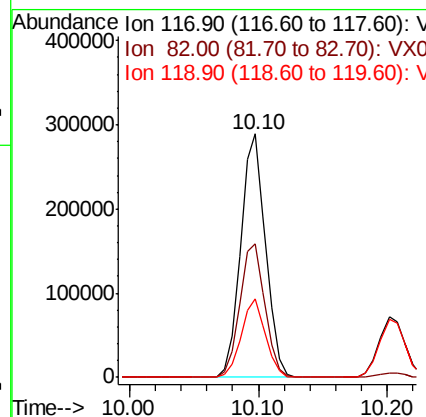
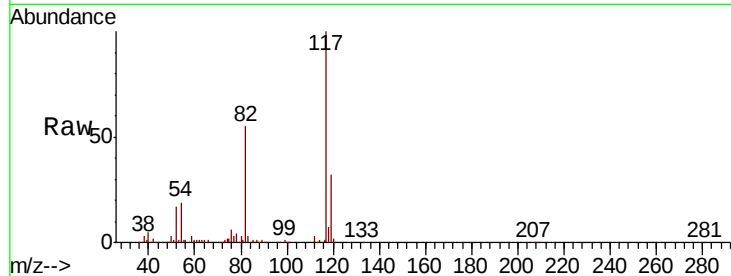
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	386336		
82	54.9		44.4	66.6
119	32.0		25.5	38.3

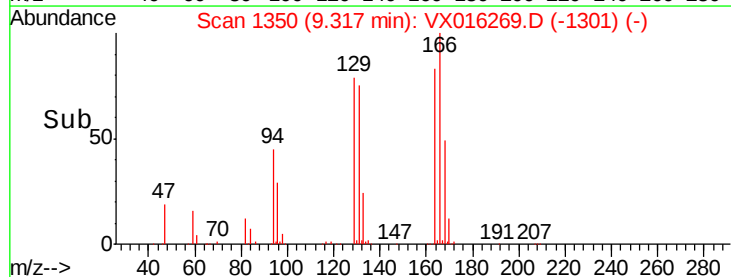
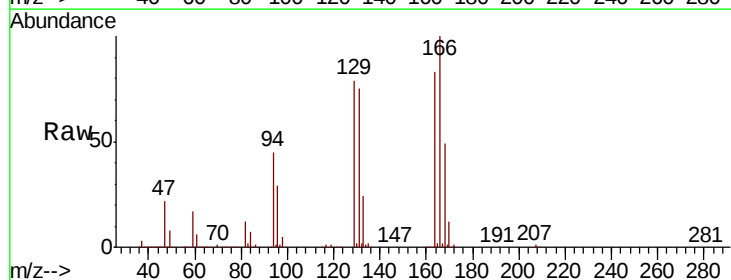
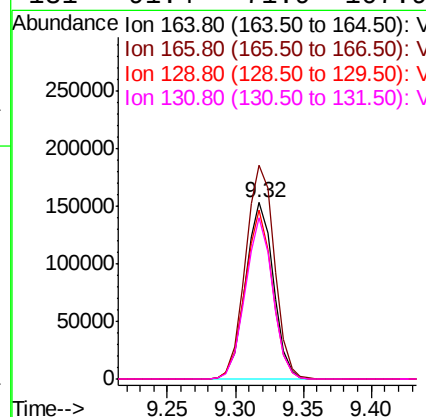
Manual Integrations
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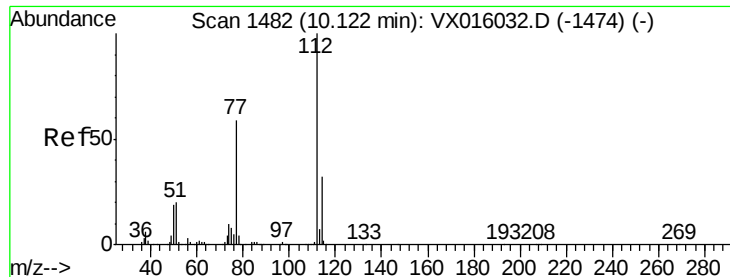
MMDadoda
5/18/2020 12:52:37 PM



#64
Tetrachloroethene
Concen: 46.198 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	219105		
166	121.2		102.9	154.3
129	95.8		76.1	114.1
131	91.4		71.9	107.9





#65

Chlorobenzene

Concen: 47.586 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 384947

Ion Ratio Lower Upper

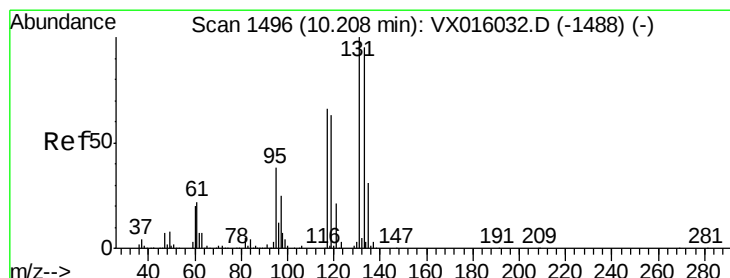
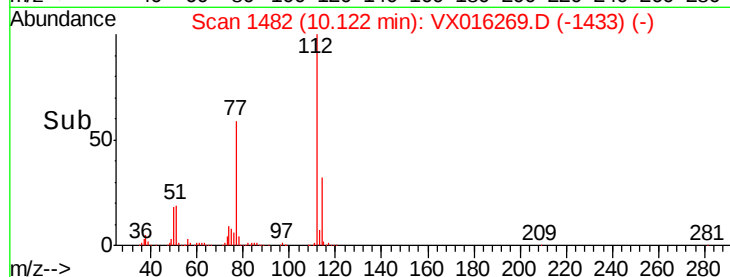
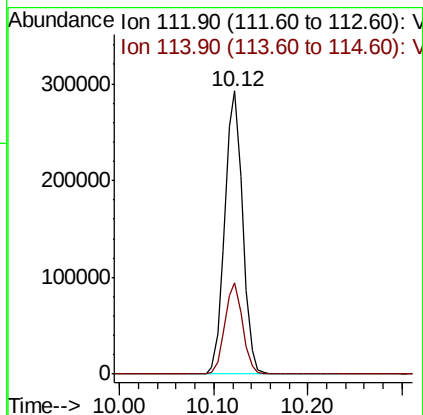
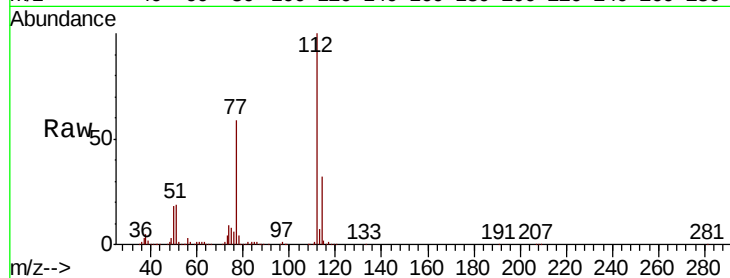
112 100

114 32.4 25.7 38.5

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 49.904 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. -0.01 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

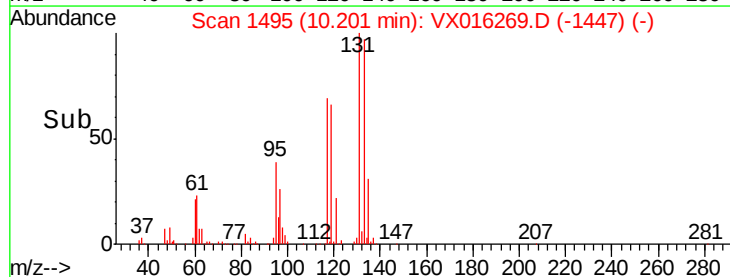
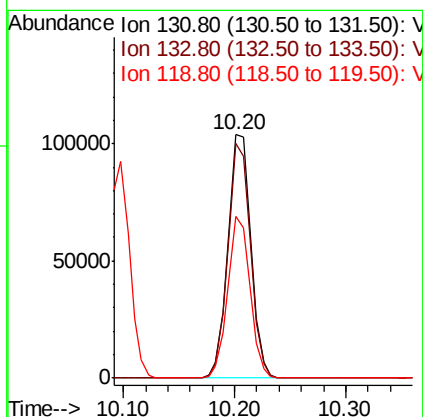
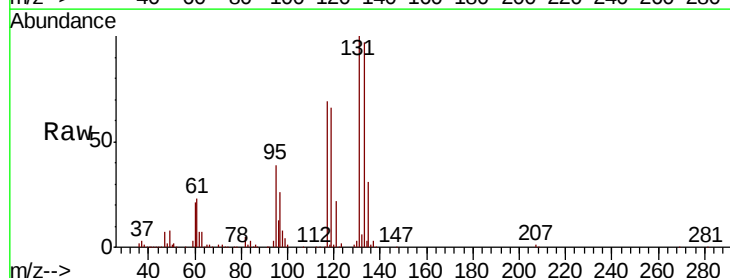
Tgt Ion:131 Resp: 149211

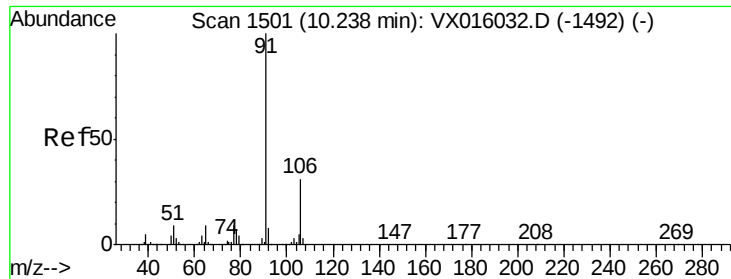
Ion Ratio Lower Upper

131 100

133 94.8 48.3 144.8

119 64.0 32.3 96.9





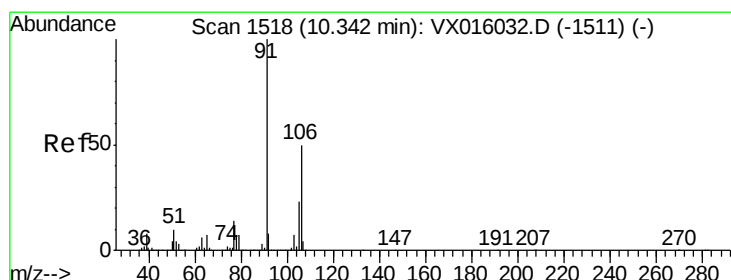
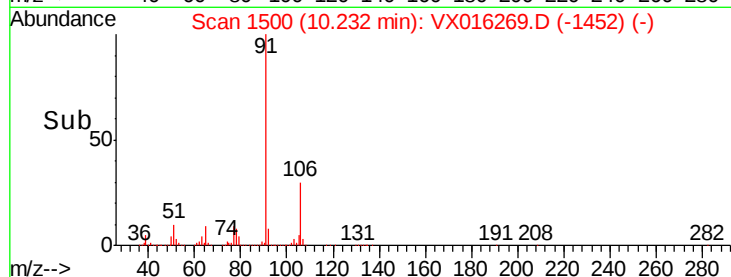
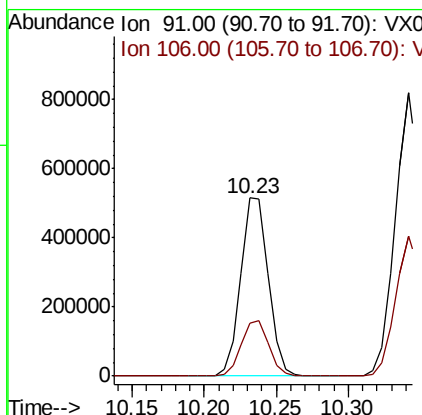
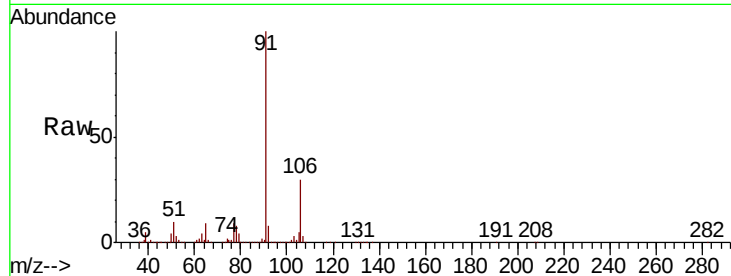
#67
Ethyl Benzene
Concen: 47.541 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.01 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 686182
Ion Ratio Lower Upper
91 100
106 30.1 25.1 37.7

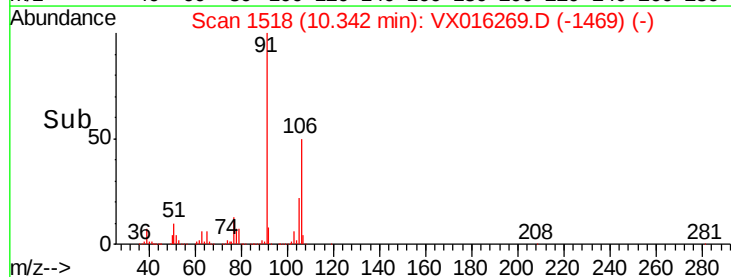
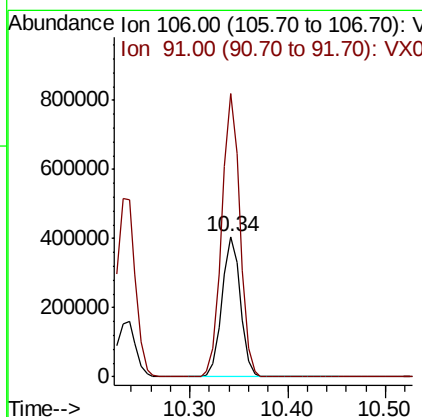
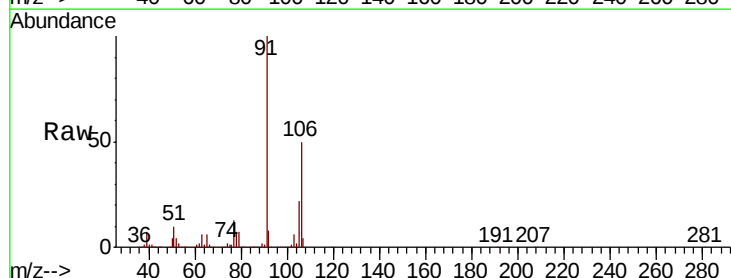
Manual Integrations
APPROVED

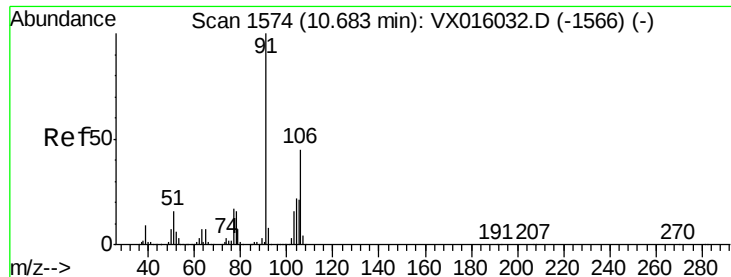
MMDadoda
5/18/2020 12:52:37 PM



#68
m/p-Xylenes
Concen: 97.828 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Tgt Ion: 106 Resp: 529029
Ion Ratio Lower Upper
106 100
91 199.8 161.7 242.5





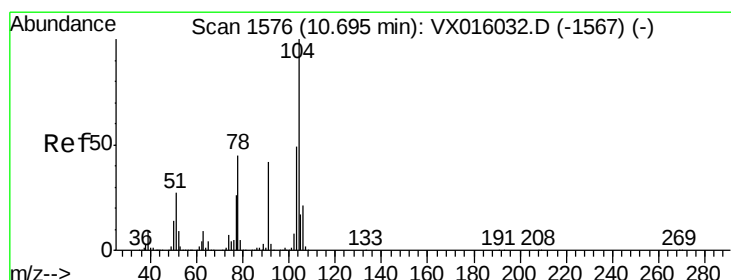
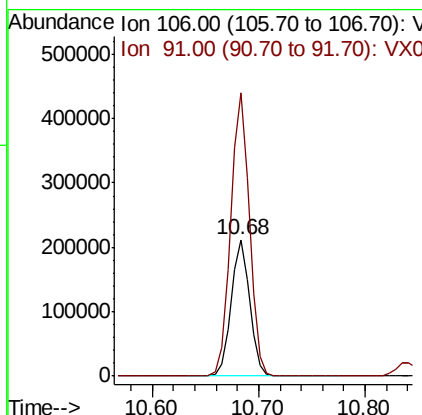
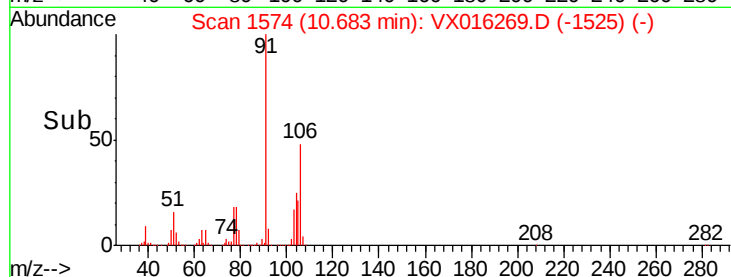
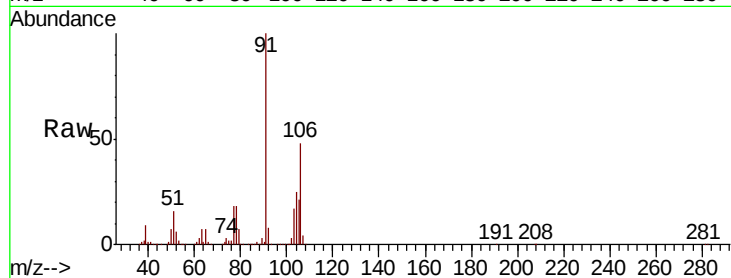
#69
o-Xylene
Concen: 49.622 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		257939		
91	211.1	107.5	322.6		

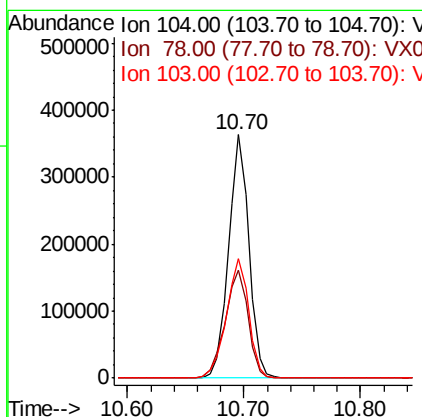
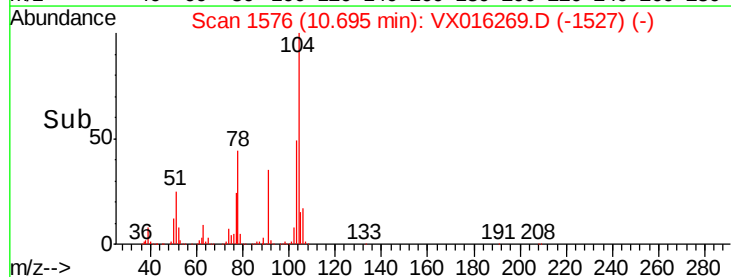
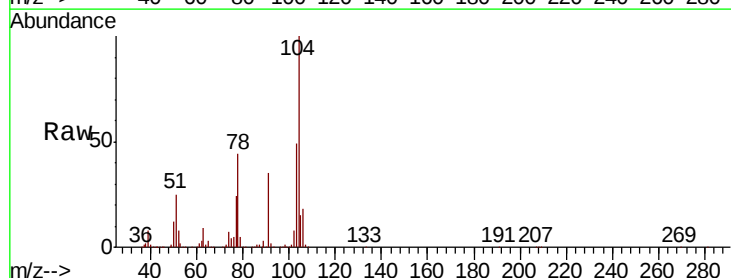
Manual Integrations
APPROVED

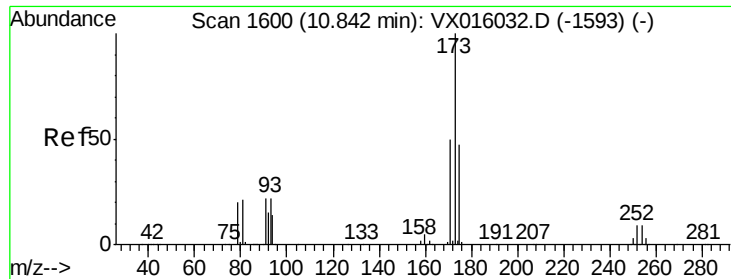
MMDadoda
5/18/2020 12:52:37 PM



#70
Styrene
Concen: 50.014 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		441054		
78	50.2	40.2	60.2		
103	54.2	43.0	64.6		





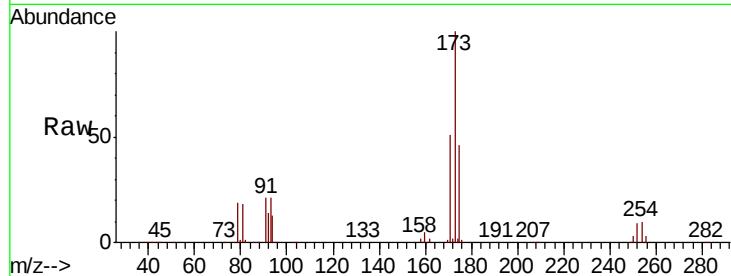
#71
Bromoform
Concen: 53.556 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.0	72.0
254	0.1	0.1	0.1

Manual Integrations
APPROVED

MMDadoda
5/18/2020 12:52:37 PM

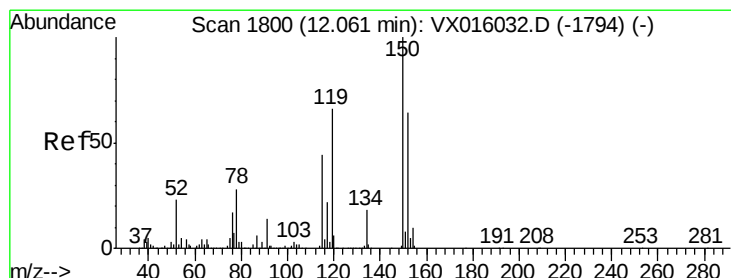
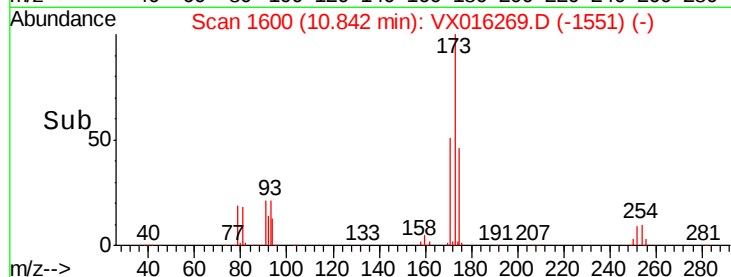
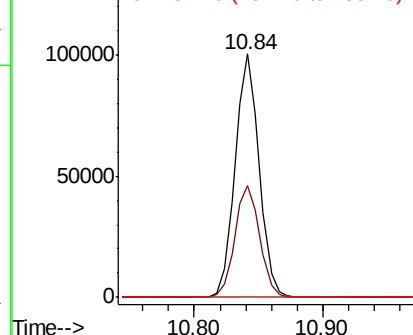


Abundance

Ion 172.70 (172.40 to 173.40): V

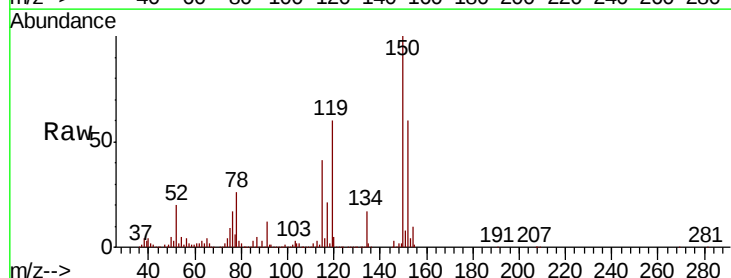
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	80.6	41.3	124.1
150	173.5	0.0	352.2

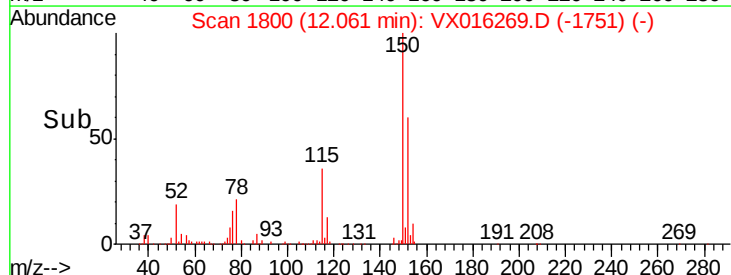
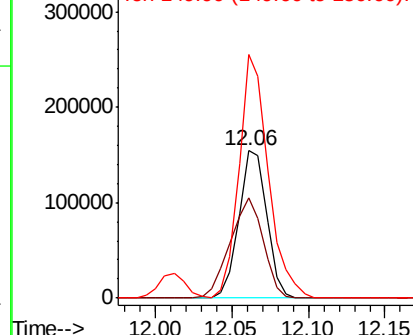


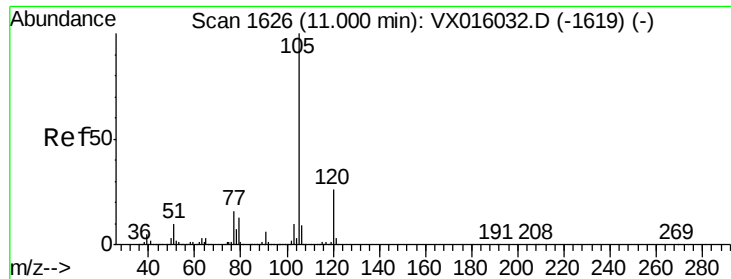
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.230 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 682992

Ion Ratio Lower Upper

105 100

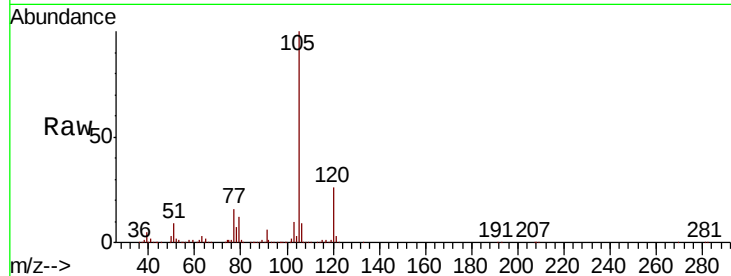
120 26.2 13.4 40.2

Manual Integrations

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MMDadoda

5/18/2020 12:52:37 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

0

11.00

11.00

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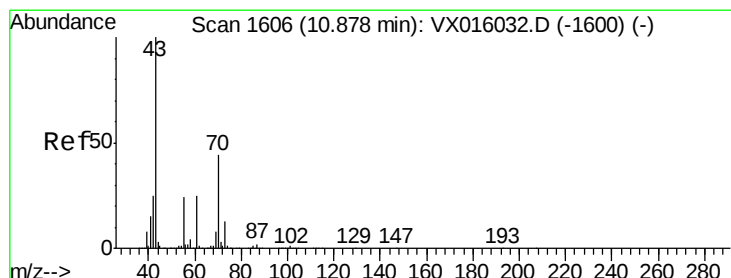
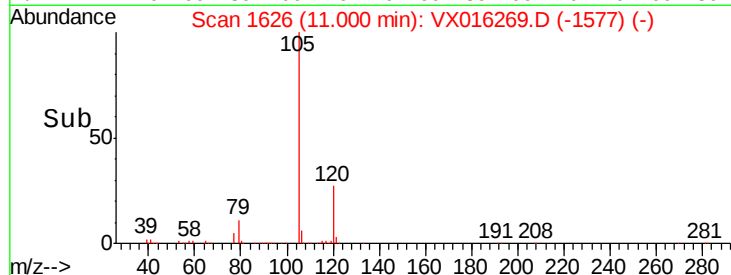
11.00

11.00

11.00

11.00

11.00



#74

N-ethyl acetate

Concen: 47.213 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Tgt Ion: 43 Resp: 311856

Ion Ratio Lower Upper

43 100

70 47.2 36.5 54.7

55 25.7 19.7 29.5

61 26.8 20.9 31.3

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

400000

300000

200000

100000

0

10.88

10.88

10.88

10.88

10.88

10.88

10.88

10.88

10.88

10.88

10.88

10.88

10.88

10.88

10.88

10.88

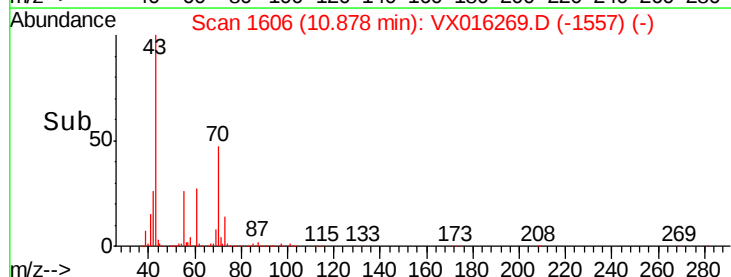
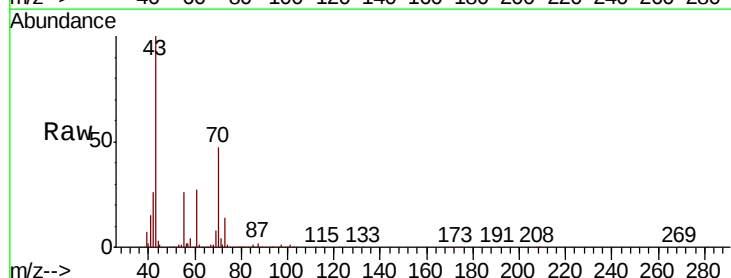
10.88

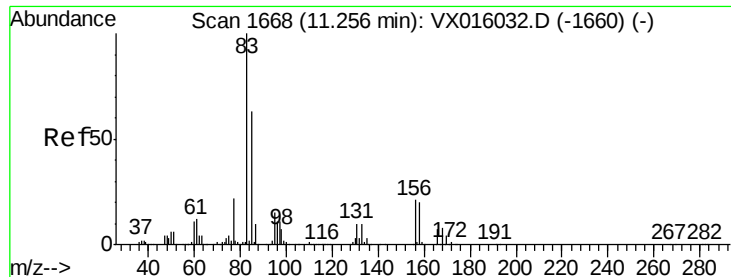
10.88

10.88

10.88

10.88





#75

1,1,2,2-Tetrachloroethane

Concen: 57.178 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Instrument :

MSVOA_X

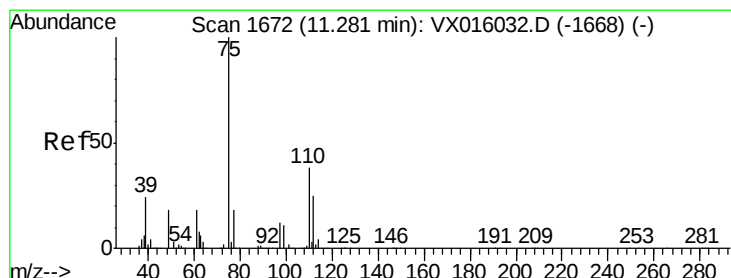
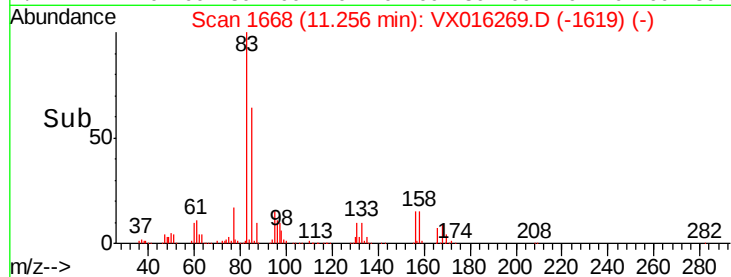
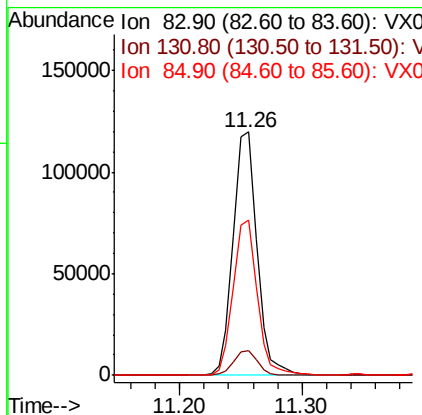
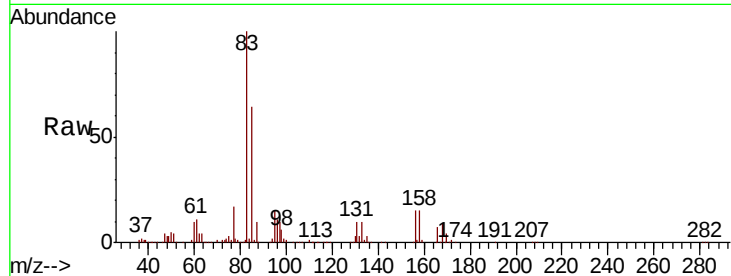
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	161958
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.4
85	64.3	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.598 ug/l m

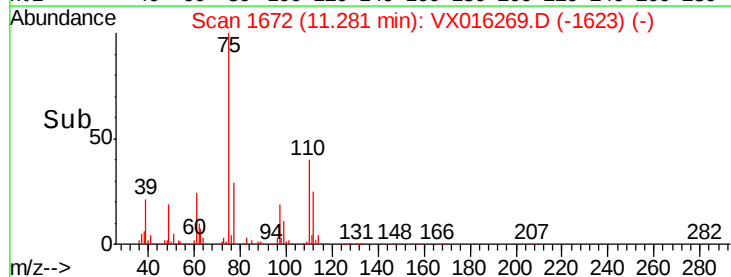
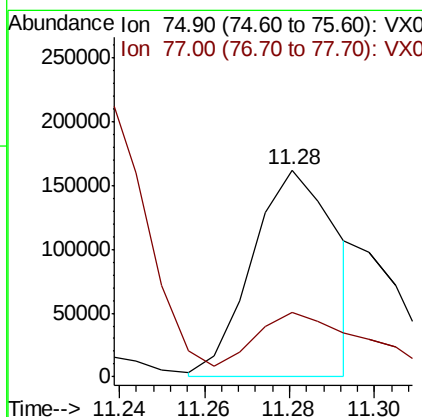
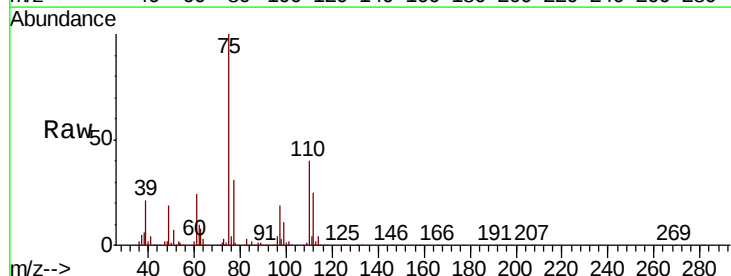
RT: 11.28 min Scan# 1672

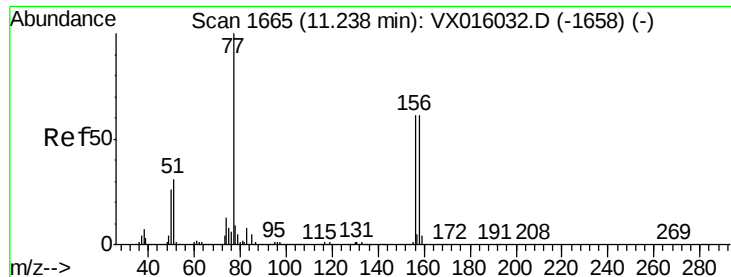
Delta R.T. -0.00 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Tgt Ion:	75	Resp:	223545
Ion Ratio	Lower	Upper	
75	100		
77	41.6	21.2	63.6





#77

Bromobenzene

Concen: 46.600 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Instrument :

MSVOA_X

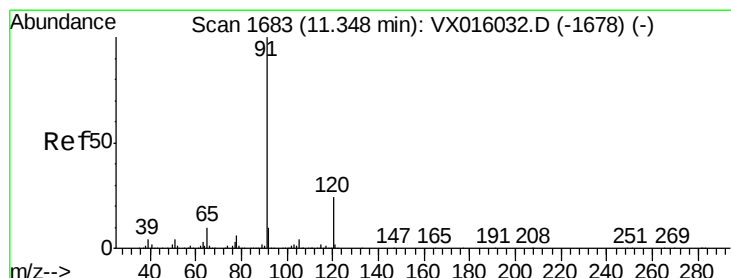
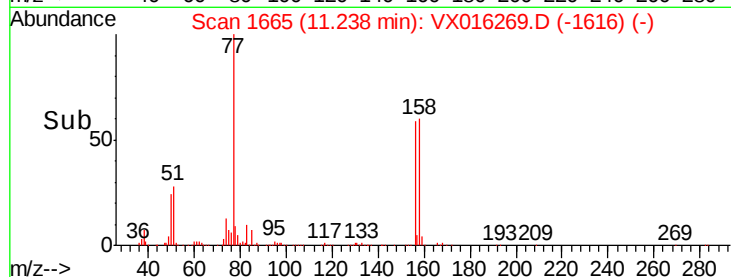
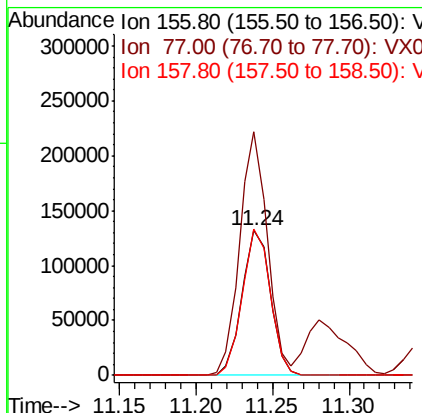
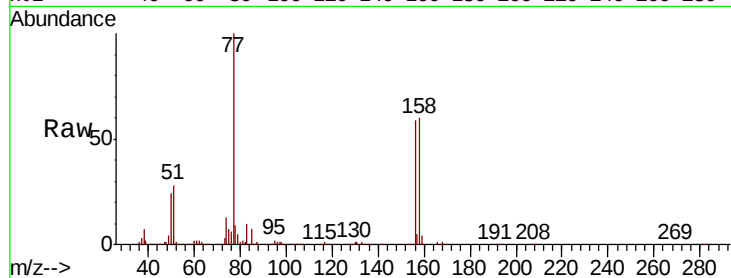
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	170333
Ion Ratio	Lower	Upper	
156	100		
77	164.1	80.1	240.3
158	99.4	49.4	148.2

Manual Integrations
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#78

n-propylbenzene

Concen: 47.675 ug/l

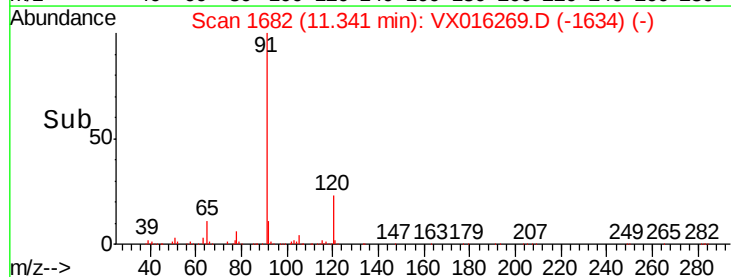
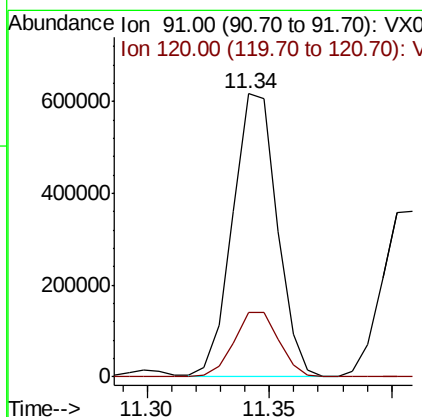
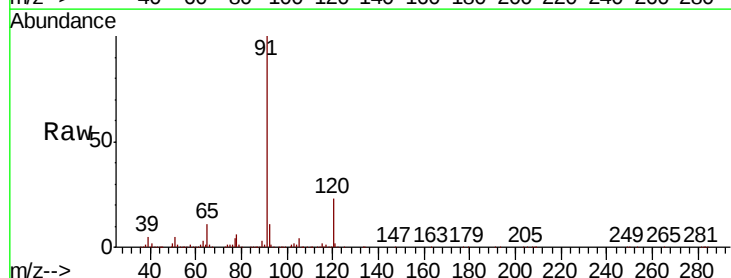
RT: 11.34 min Scan# 1682

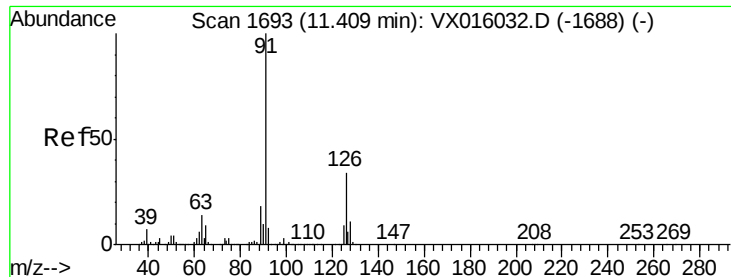
Delta R.T. -0.01 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Tgt Ion:	91	Resp:	785406
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.5	34.5





#79

2-Chlorotoluene

Concen: 48.420 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 470850

Ion Ratio Lower Upper

91 100

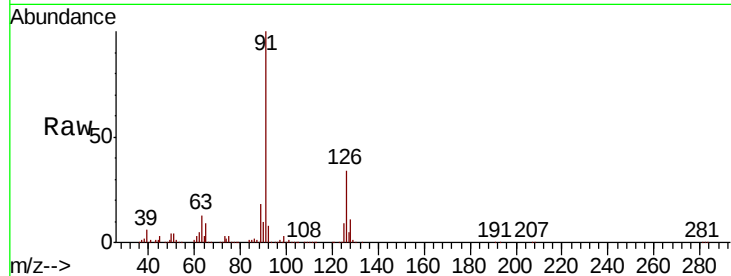
126 32.8 16.9 50.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX016269.D (-1644) (-)

Ion 125.90 (125.60 to 126.60): VX016269.D (-1644) (-)

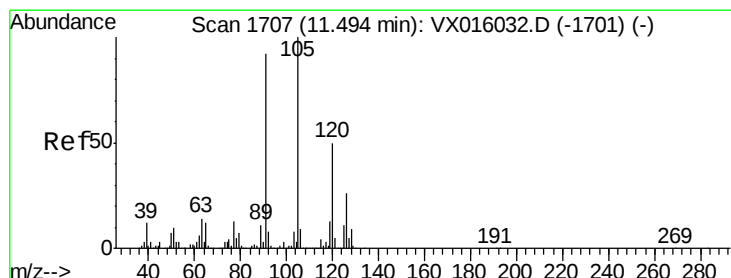
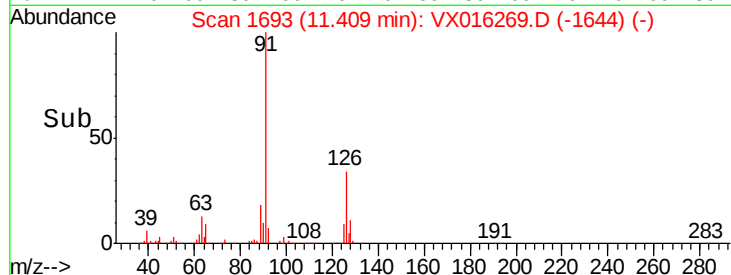
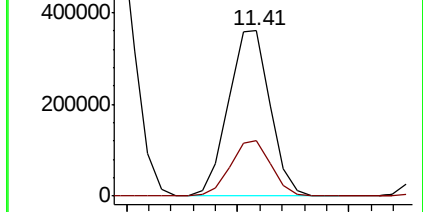
600000

400000

200000

0

11.35 11.40 11.45



#80

1,3,5-Trimethylbenzene

Concen: 48.587 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016269.D

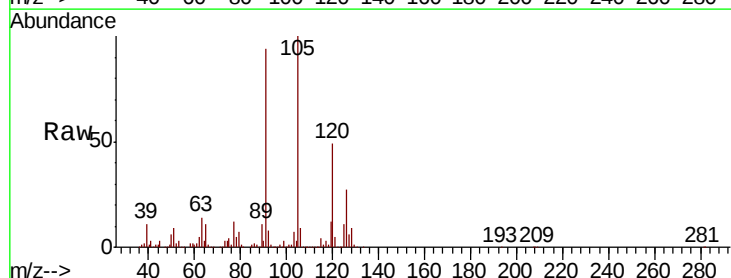
Acq: 15 May 2020 10:34

Tgt Ion: 105 Resp: 580928

Ion Ratio Lower Upper

105 100

120 48.9 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VX016269.D (-1658) (-)

Ion 120.00 (119.70 to 120.70): VX016269.D (-1658) (-)

500000

400000

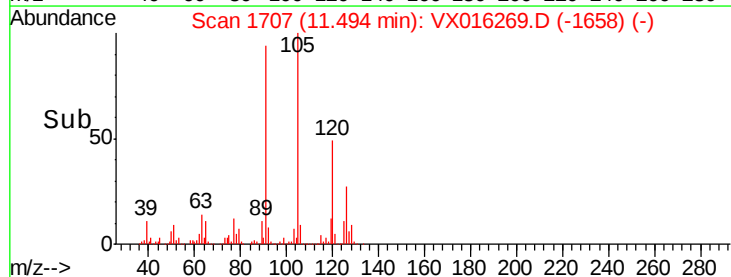
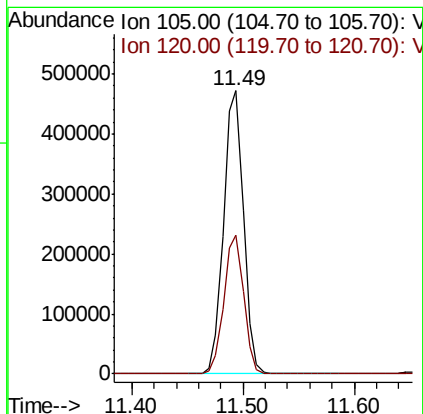
300000

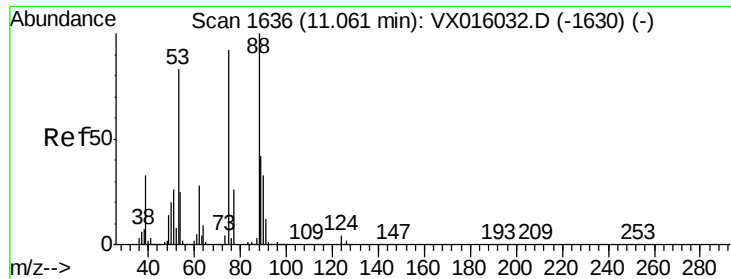
200000

100000

0

11.40 11.50 11.60





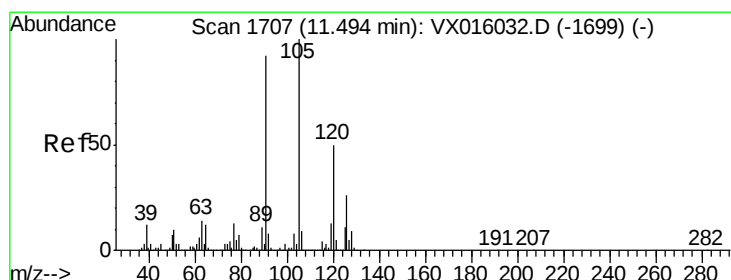
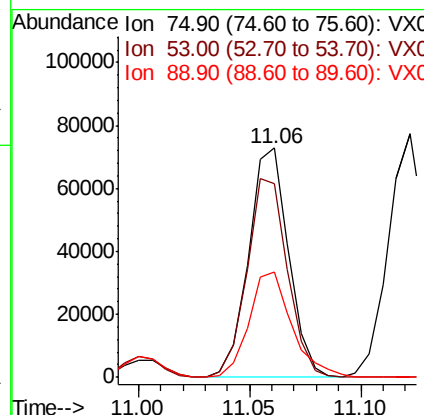
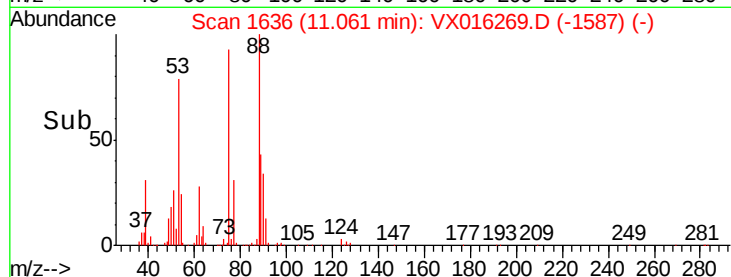
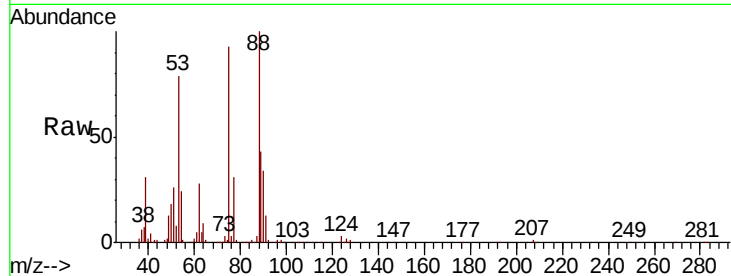
#81
trans-1,4-Dichloro-2-butene
Concen: 48.873 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.6	73.1	109.7
89	49.9	36.7	55.1

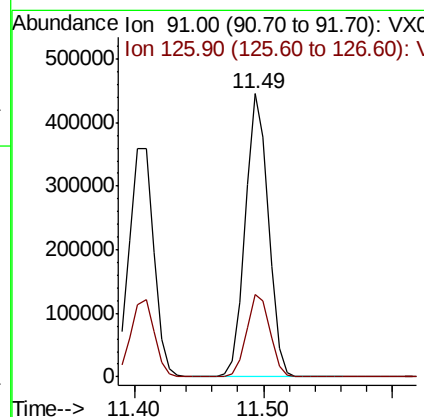
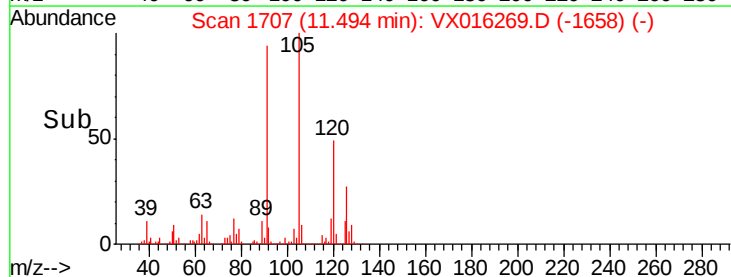
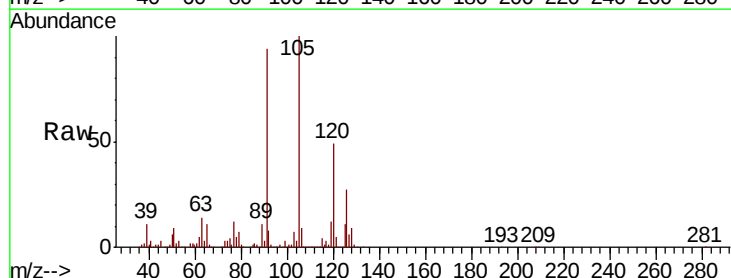
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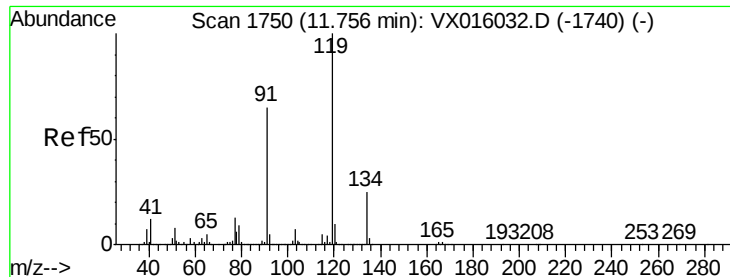
MMDadoda
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#82
4-Chlorotoluene
Concen: 47.865 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.3	14.8	44.3





#83

tert-Butylbenzene

Concen: 48.370 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Instrument :

MSVOA_X

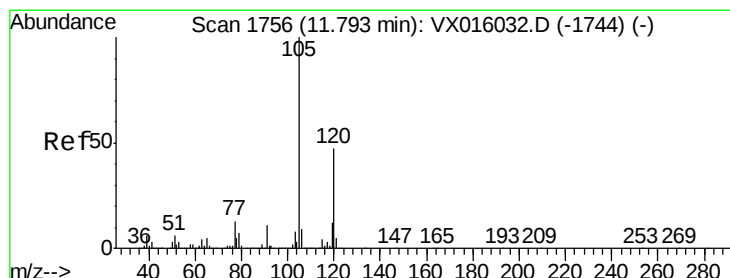
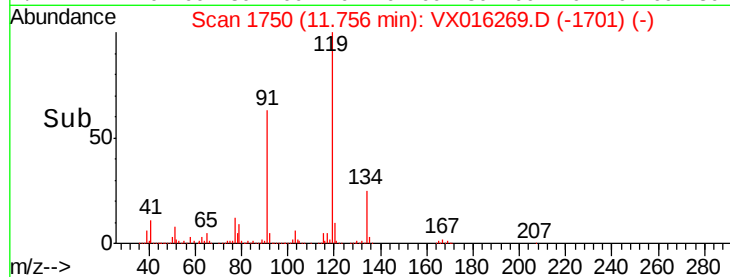
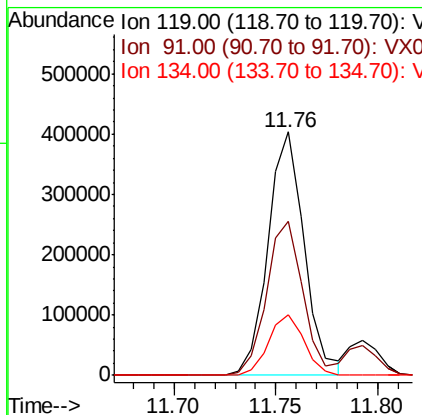
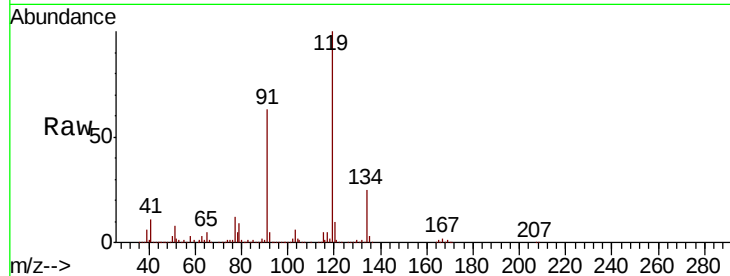
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		498405		
91	63.2	32.8	98.4		
134	24.4	12.4	37.0		

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 48.816 ug/l

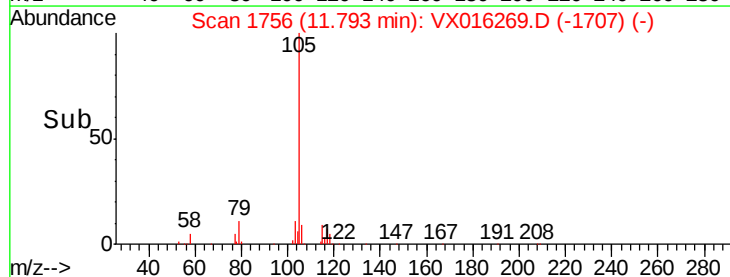
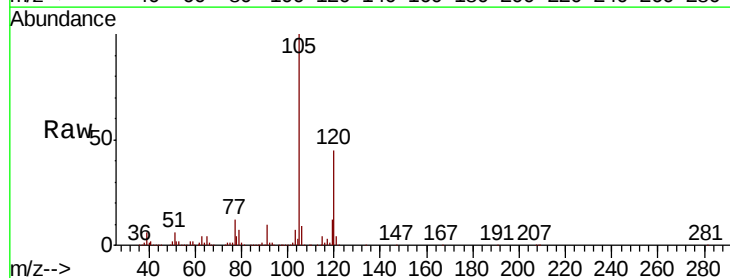
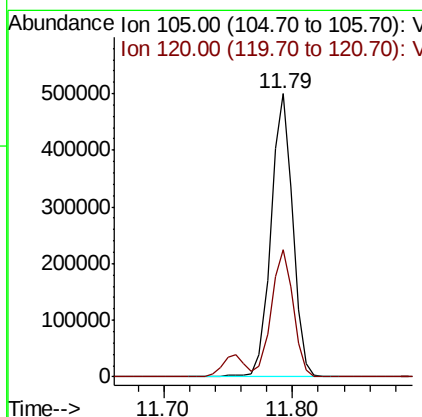
RT: 11.79 min Scan# 1756

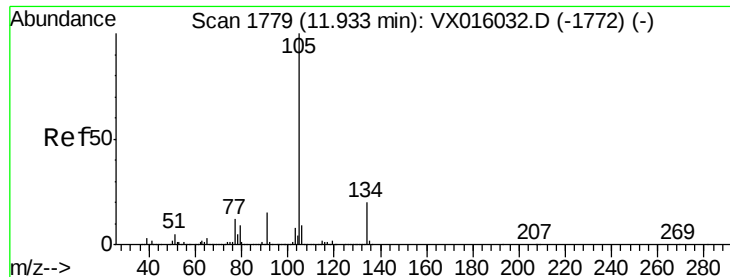
Delta R.T. -0.00 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		590092		
120	45.0	23.0	69.0		





#85

sec-Butylbenzene

Concen: 46.372 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 645149

Ion Ratio Lower Upper

105 100

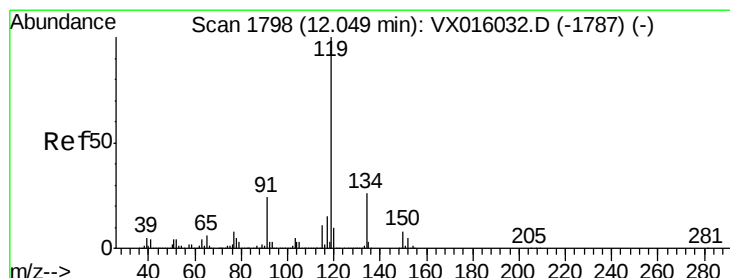
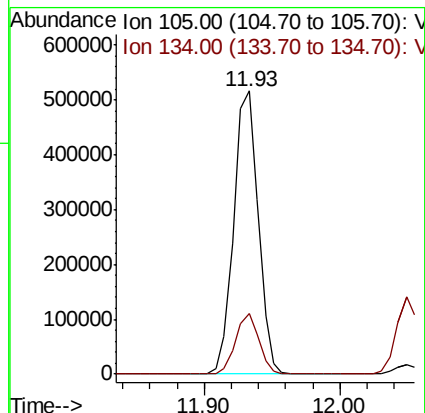
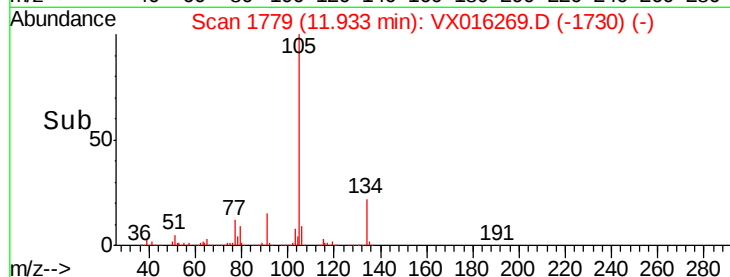
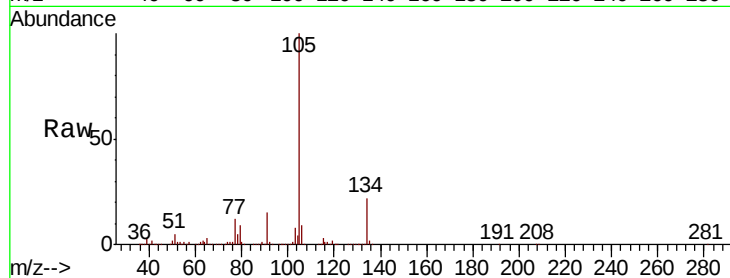
134 20.6 10.1 30.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 47.243 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

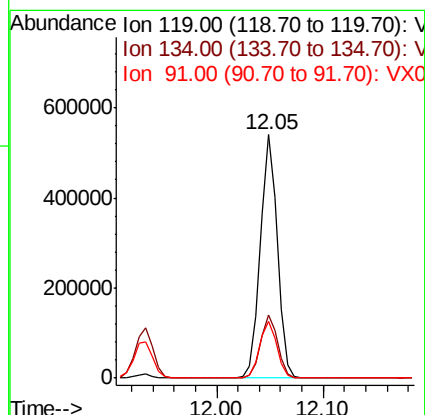
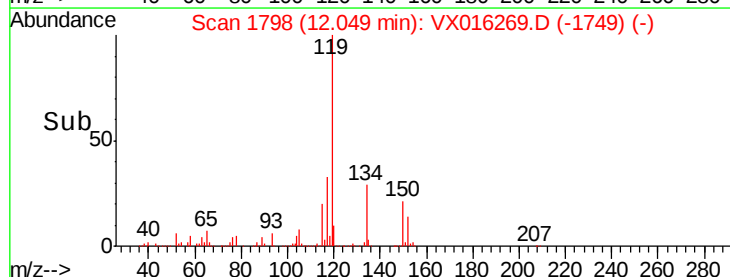
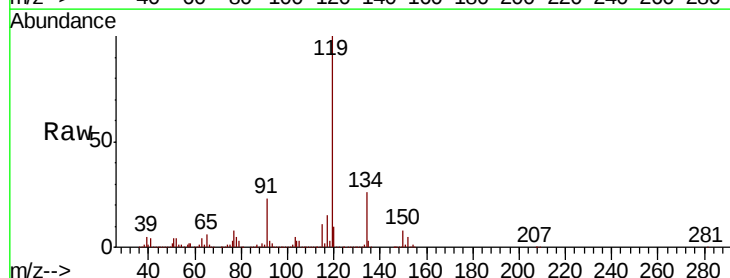
Tgt Ion:119 Resp: 610242

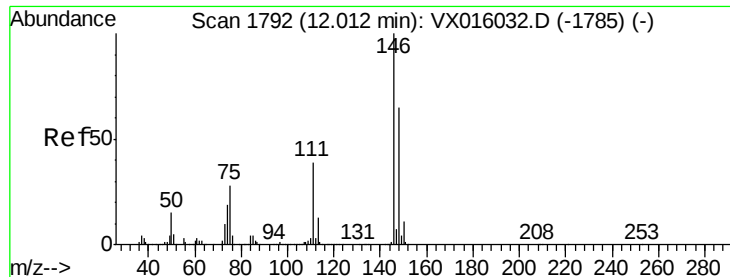
Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.3

91 23.5 11.8 35.4





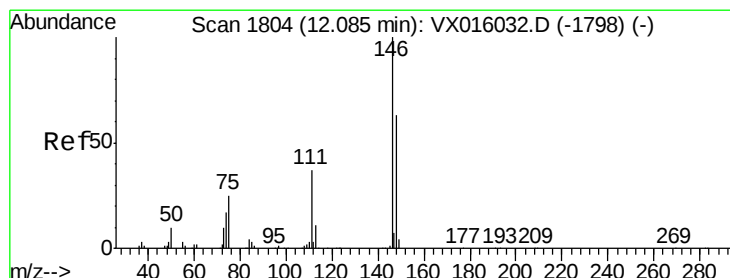
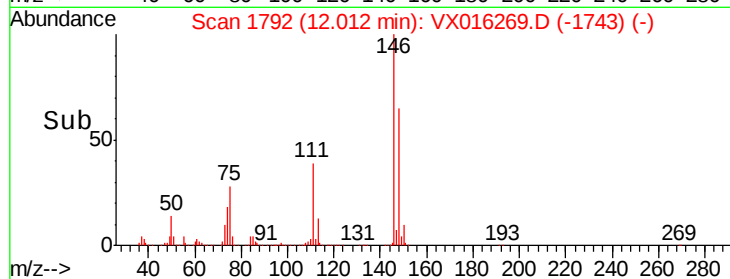
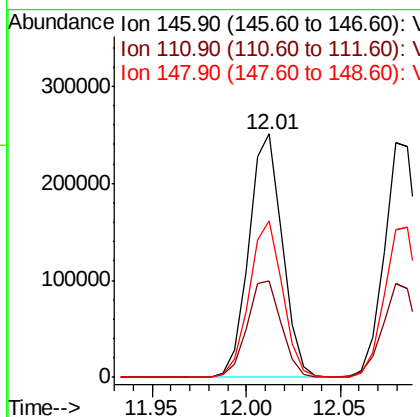
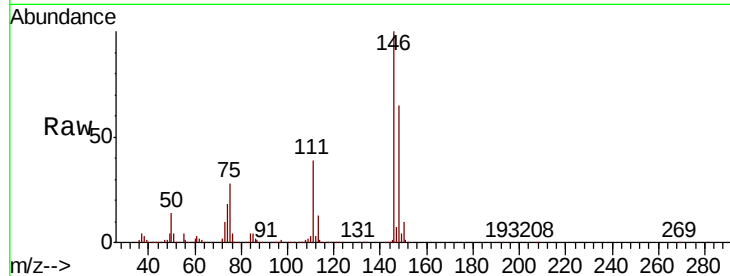
#87
 1,3-Dichlorobenzene
 Concen: 46.943 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016269.D
 Acq: 15 May 2020 10:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.2	60.6
148	64.0	32.1	96.3

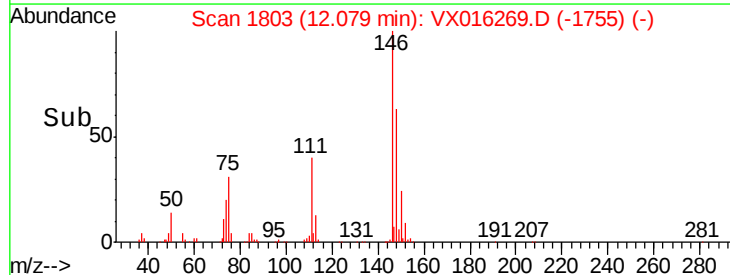
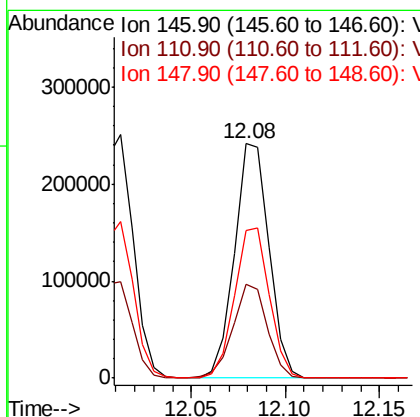
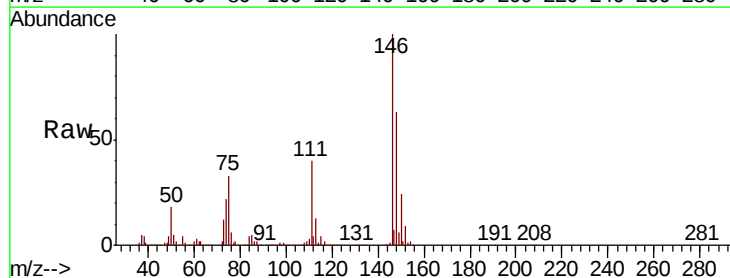
Manual Integrations
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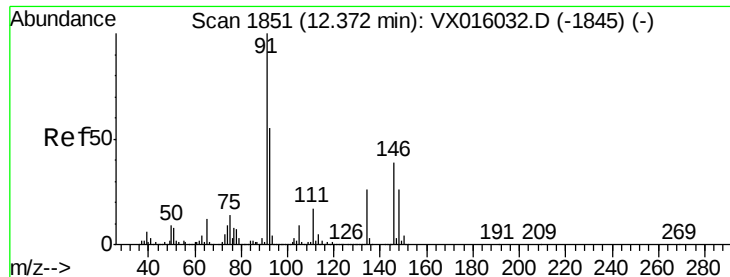
MMDadoda
 5/18/2020 12:52:37 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.089 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX016269.D
 Acq: 15 May 2020 10:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.6	58.7
148	64.8	31.8	95.3





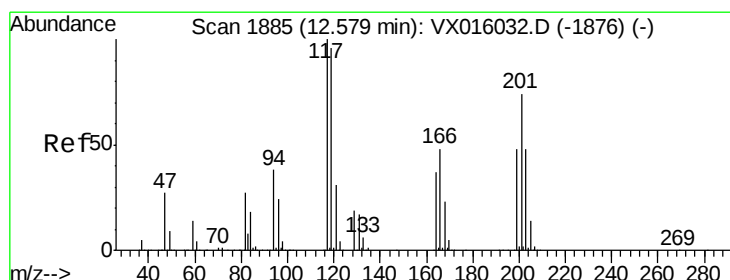
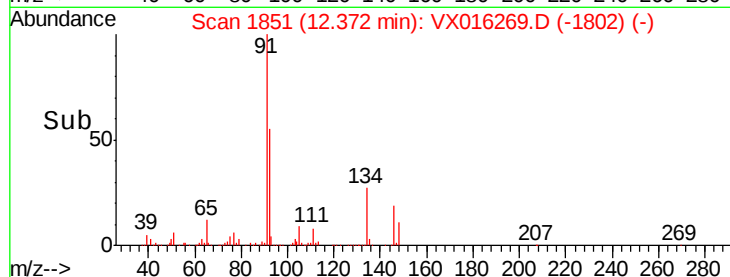
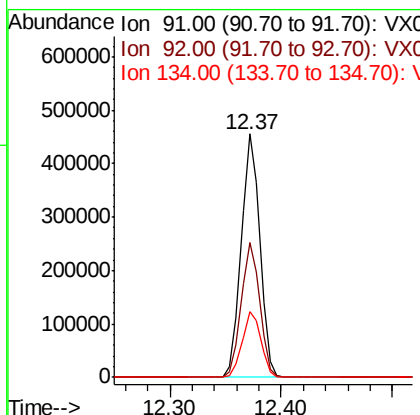
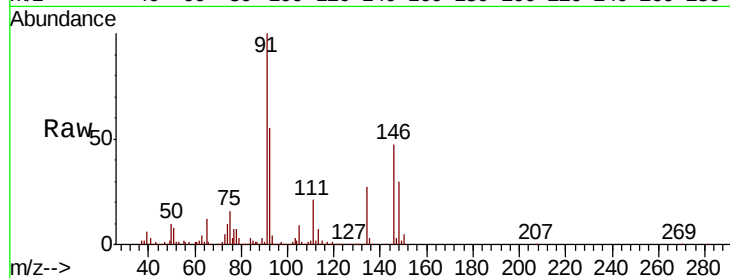
#89
n-Butylbenzene
Concen: 44.762 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.0	27.6	82.7	
134	27.1	13.4	40.1	

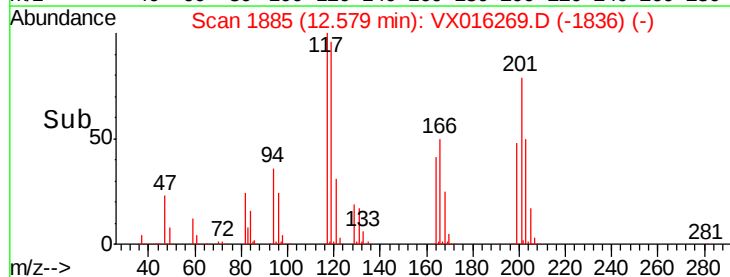
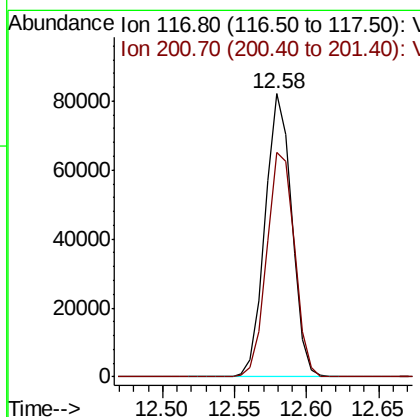
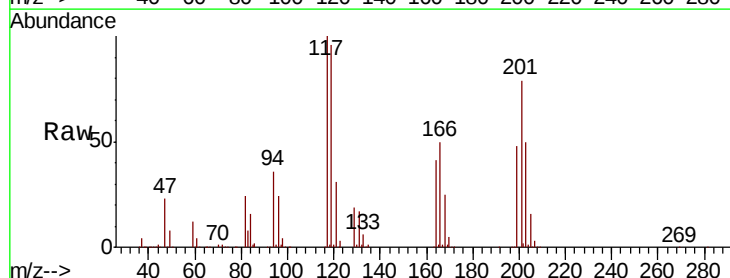
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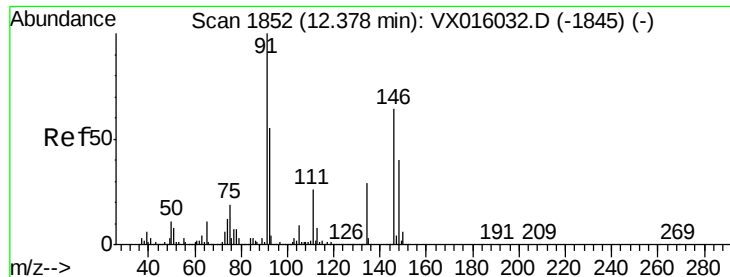
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#90
Hexachloroethane
Concen: 47.319 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	82.8	39.8	119.3	





#91

1,2-Dichlorobenzene

Concen: 47.795 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Instrument :

MSVOA_X

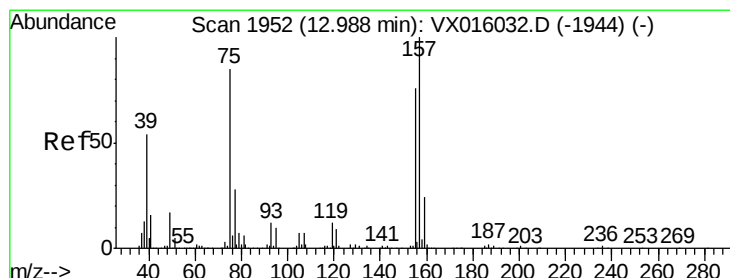
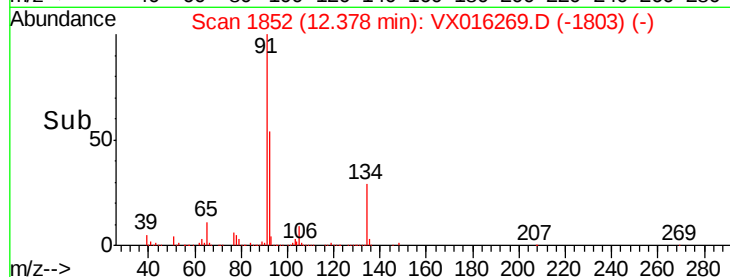
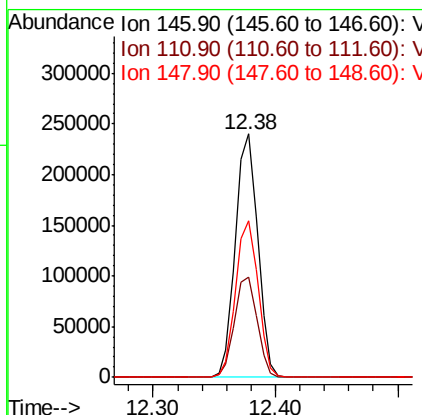
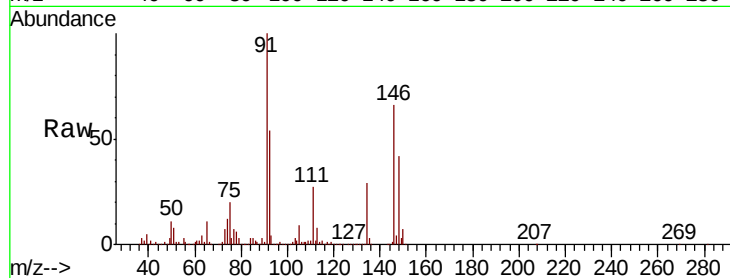
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	302043
Ion Ratio	Lower	Upper	
146	100		
111	41.9	21.1	63.1
148	64.6	32.4	97.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 47.346 ug/l

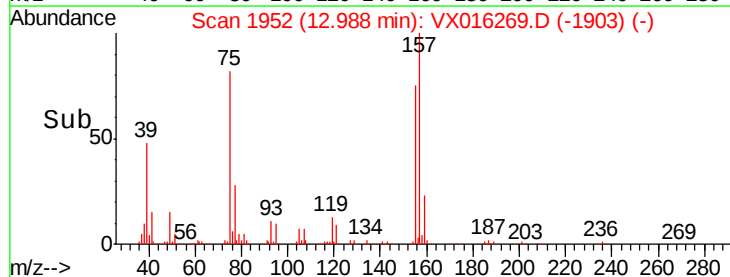
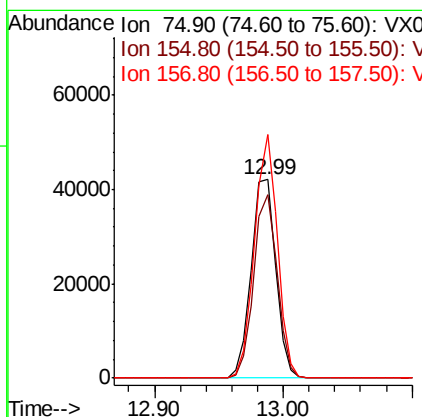
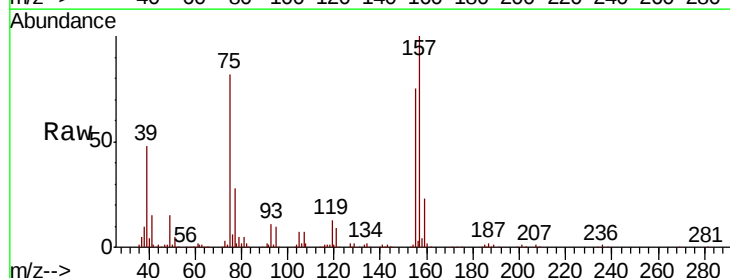
RT: 12.99 min Scan# 1952

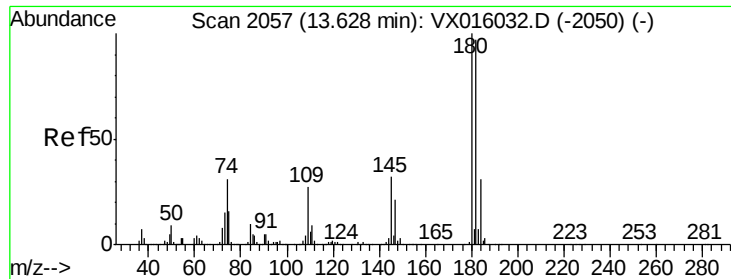
Delta R.T. -0.00 min

Lab File: VX016269.D

Acq: 15 May 2020 10:34

Tgt Ion:	75	Resp:	55130
Ion Ratio	Lower	Upper	
75	100		
155	88.1	42.5	127.5
157	113.7	55.3	165.8





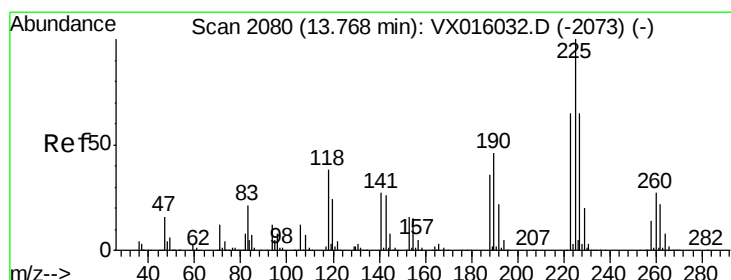
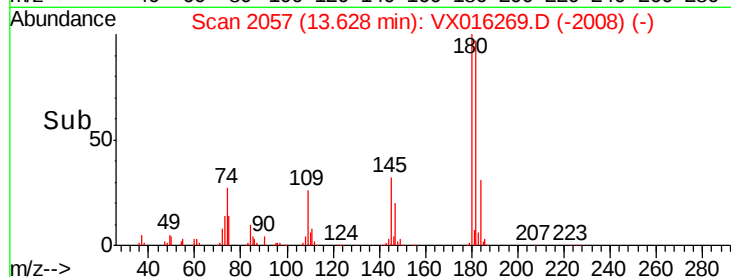
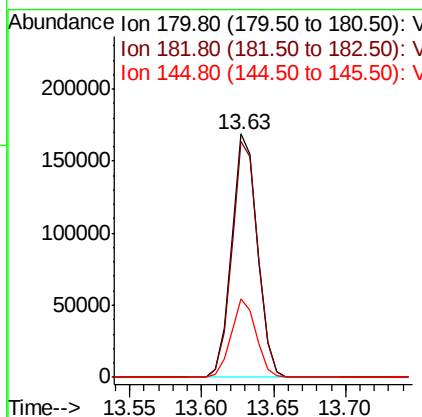
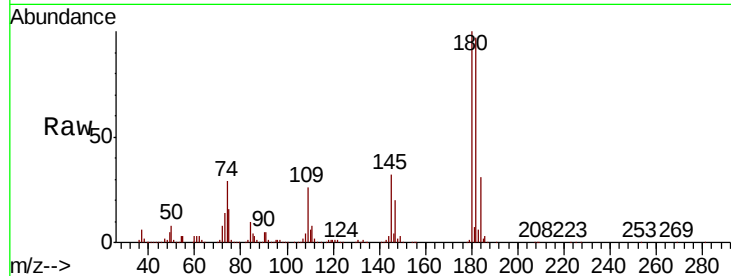
#93
 1,2,4-Trichlorobenzene
 Concen: 45.181 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016269.D
 Acq: 15 May 2020 10:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	211389
Ion Ratio	Lower	Upper	
180	100		
182	97.3	48.7	146.1
145	31.3	15.7	47.1

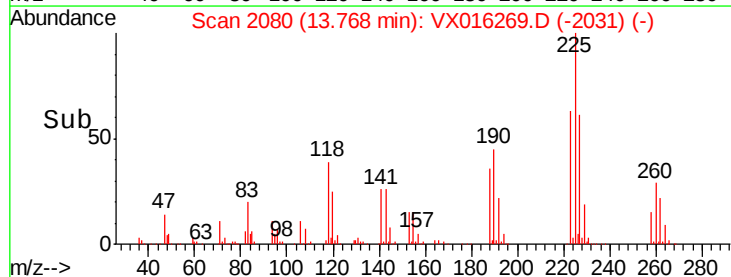
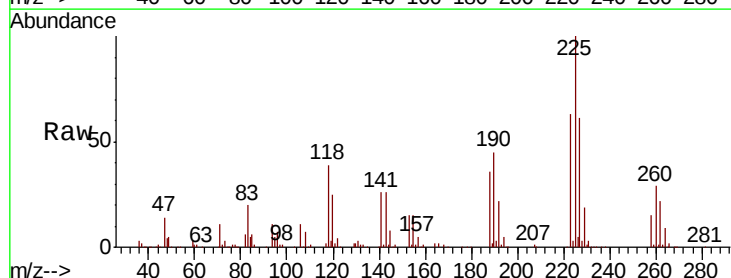
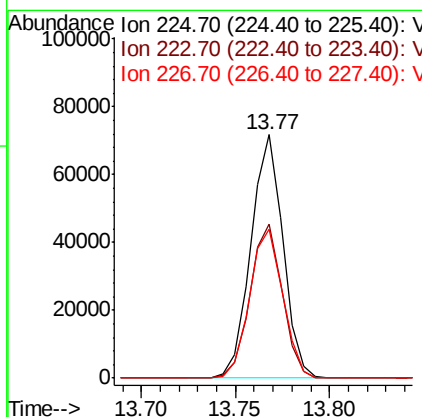
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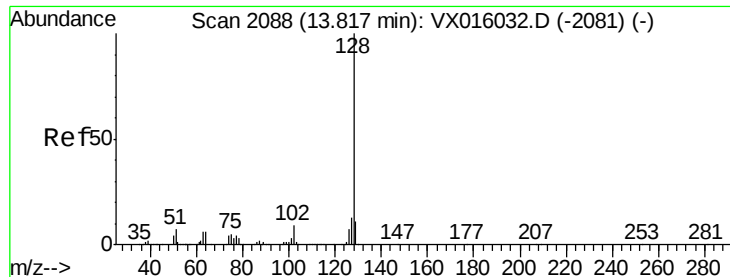
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#94
 Hexachlorobutadiene
 Concen: 41.926 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016269.D
 Acq: 15 May 2020 10:34

Tgt Ion:	225	Resp:	84294
Ion Ratio	Lower	Upper	
225	100		
223	63.8	32.3	96.9
227	63.4	31.8	95.4





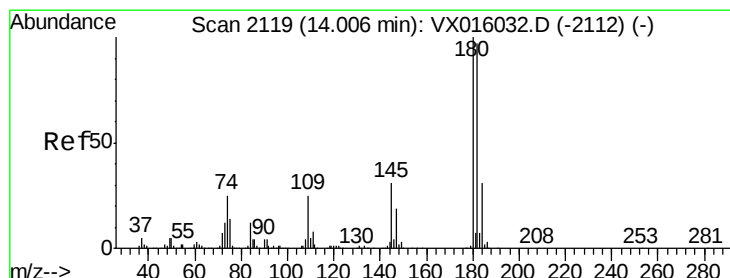
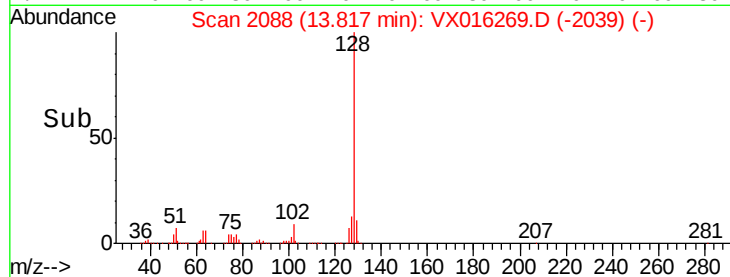
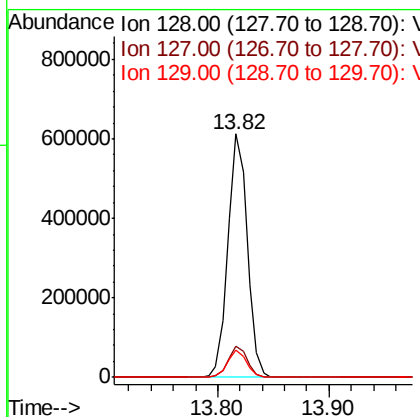
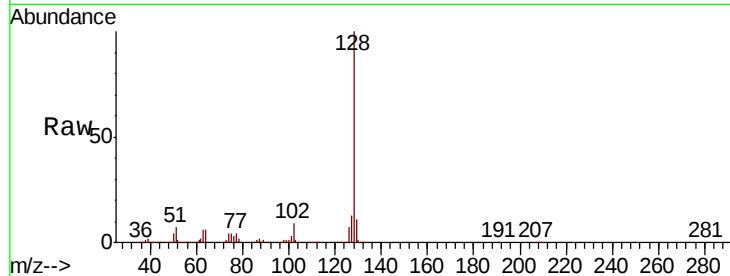
#95
Naphthalene
Concen: 48.693 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.9	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 46.879 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VX016269.D
Acq: 15 May 2020 10:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	48.4	145.0
145	32.4	16.4	49.1

