

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052020\
 Data File : VX016350.D
 Acq On : 20 May 2020 10:48
 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

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 5/21/2020 1:15:17 PM

Quant Time: May 21 03:58:25 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	250774	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.83	114	395719	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	364176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	181407	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	154234	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	
35) Dibromofluoromethane	5.46	113	129190	51.53	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.06%	
50) Toluene-d8	8.70	98	495413	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
62) 4-Bromofluorobenzene	11.12	95	194834	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.18	85	142105	53.536	ug/l	98
3) Chloromethane	1.31	50	155352	50.396	ug/l	99
4) Vinyl Chloride	1.39	62	172214	52.363	ug/l	99
5) Bromomethane	1.62	94	69263	41.774	ug/l	99
6) Chloroethane	1.70	64	104968	52.455	ug/l	98
7) Trichlorofluoromethane	1.91	101	227389	52.664	ug/l	99
8) Diethyl Ether	2.17	74	94114	51.732	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.36	101	128631	51.637	ug/l	99
10) Methyl Iodide	2.48	142	145116	43.369	ug/l	99
11) Tert butyl alcohol	3.01	59	205350	246.085	ug/l	99
12) 1,1-Dichloroethene	2.36	96	132395	50.788	ug/l	97
13) Acrolein	2.27	56	163642	313.382	ug/l	100
14) Allyl chloride	2.70	41	232830	48.712	ug/l	94
15) Acrylonitrile	3.11	53	450653	260.327	ug/l	99
16) Acetone	2.42	43	368509	250.278	ug/l	95
17) Carbon Disulfide	2.54	76	355614	45.407	ug/l	99
18) Methyl Acetate	2.75	43	195532	54.010	ug/l	97
19) Methyl tert-butyl Ether	3.16	73	501061	55.757	ug/l	98
20) Methylene Chloride	2.83	84	153533	50.582	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	146892	50.566	ug/l	97
22) Diisopropyl ether	3.82	45	465395	51.612	ug/l	95
23) Vinyl Acetate	3.78	43	2026161	255.401	ug/l	98
24) 1,1-Dichloroethane	3.67	63	268975	53.323	ug/l	98
25) 2-Butanone	4.63	43	597095	251.660	ug/l	95
26) 2,2-Dichloropropane	4.54	77	248576	53.960	ug/l	98
27) cis-1,2-Dichloroethene	4.56	96	174936	55.083	ug/l	95
28) Bromochloromethane	4.98	49	108989	47.385	ug/l	92
29) Tetrahydrofuran	5.08	42	393950	250.587	ug/l	96
30) Chloroform	5.17	83	275997	54.954	ug/l	98
31) Cyclohexane	5.54	56	221113	48.233	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	246855	54.073	ug/l	97
36) 1,1-Dichloropropene	5.76	75	206806	53.091	ug/l	99
37) Ethyl Acetate	4.79	43	229880	50.917	ug/l	97
38) Carbon Tetrachloride	5.75	117	217380	54.904	ug/l	97

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Quant Time: May 21 03:58:25 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)
39) Methylcyclohexane	7.44	83	220899	47.090	ug/l	97
40) Benzene	6.10	78	627221	55.032	ug/l	100
41) Methacrylonitrile	4.99	41	126099	51.718	ug/l	96
42) 1,2-Dichloroethane	6.16	62	214353	52.208	ug/l	98
43) Isopropyl Acetate	6.40	43	371778	51.611	ug/l	97
44) Trichloroethene	7.18	130	210623	52.017	ug/l	99
45) 1,2-Dichloropropane	7.49	63	162899	56.485	ug/l	100
46) Dibromomethane	7.63	93	107183	54.689	ug/l	98
47) Bromodichloromethane	7.87	83	227730	57.053	ug/l	98
48) Methyl methacrylate	7.74	41	176325	51.658	ug/l	92
49) 1,4-Dioxane	7.71	88	83530	1020.360	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	1170225	265.472	ug/l	96
52) Toluene	8.76	92	405954	57.143	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	263225	55.310	ug/l	100
54) cis-1,3-Dichloropropene	8.41	75	280694	56.467	ug/l	91
55) 1,1,2-Trichloroethane	9.20	97	164138	58.724	ug/l	99
56) Ethyl methacrylate	9.16	69	264603	57.996	ug/l	92
57) 1,3-Dichloropropane	9.35	76	279124	57.232	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	651220	268.111	ug/l	98
59) 2-Hexanone	9.48	43	914031	264.035	ug/l	95
60) Dibromochloromethane	9.57	129	185393	60.225	ug/l	99
61) 1,2-Dibromoethane	9.65	107	174004	57.474	ug/l	99
64) Tetrachloroethene	9.32	164	237140	53.043	ug/l	98
65) Chlorobenzene	10.12	112	437716	57.402	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.20	131	169009	59.965	ug/l	98
67) Ethyl Benzene	10.23	91	767830	56.434	ug/l	99
68) m/p-Xylenes	10.34	106	585453	114.850	ug/l	100
69) o-Xylene	10.68	106	283573	57.873	ug/l	100
70) Styrene	10.70	104	498812	60.005	ug/l	99
71) Bromoform	10.84	173	142793	62.185	ug/l #	99
73) Isopropylbenzene	11.00	105	737806	55.918	ug/l	99
74) N-amyl acetate	10.88	43	323462	52.557	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.25	83	171952	64.072	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	234465m	56.957	ug/l	
77) Bromobenzene	11.24	156	189221	55.560	ug/l	99
78) n-propylbenzene	11.34	91	838597	54.632	ug/l	100
79) 2-Chlorotoluene	11.40	91	513503	56.675	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	618226	55.494	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	99691	57.711	ug/l	92
82) 4-Chlorotoluene	11.49	91	605346	56.577	ug/l	99
83) tert-Butylbenzene	11.76	119	518743	54.031	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	631996	56.113	ug/l	98
85) sec-Butylbenzene	11.93	105	665918	51.371	ug/l	100
86) p-Isopropyltoluene	12.05	119	620310	51.541	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	334223	54.655	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	344554	55.514	ug/l	99
89) n-Butylbenzene	12.37	91	526071	47.846	ug/l	100
90) Hexachloroethane	12.58	117	108098	52.298	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	330249	56.086	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	58114	53.564	ug/l	94

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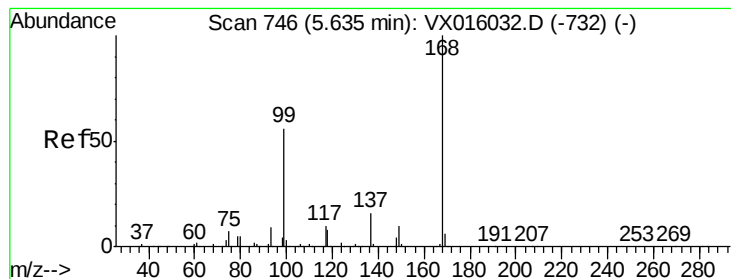
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	217305	49.847	ug/l	98
94) Hexachlorobutadiene	13.77	225	84538	45.087	ug/l	99
95) Naphthalene	13.82	128	768119	54.416	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	211040	49.534	ug/l	97

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



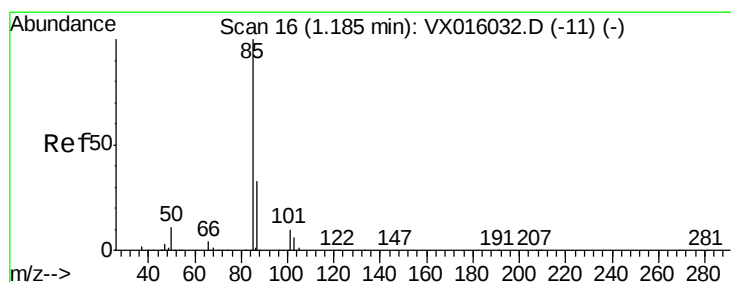
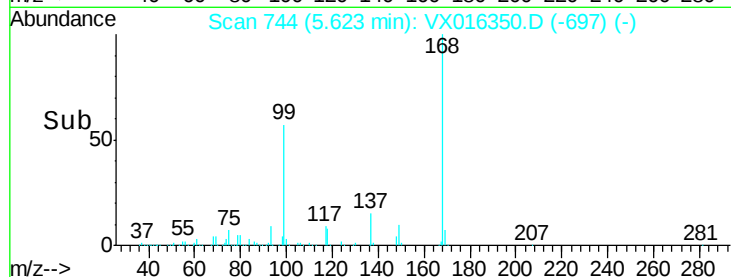
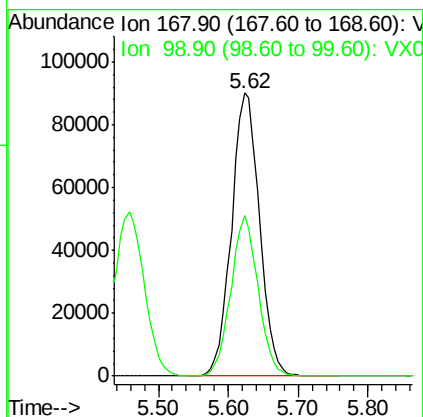
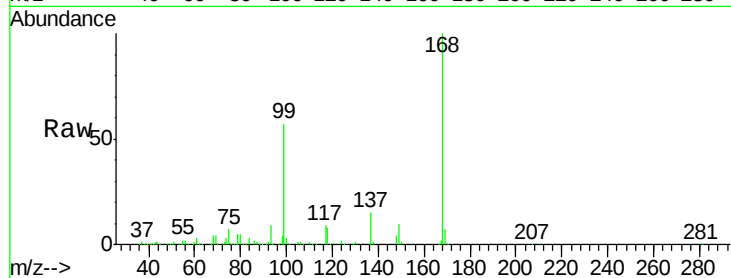
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.01 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	56.4	45.0	67.4

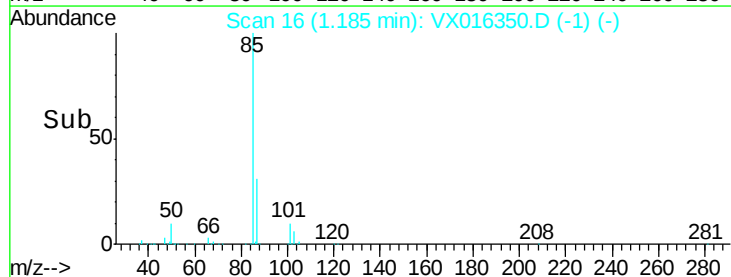
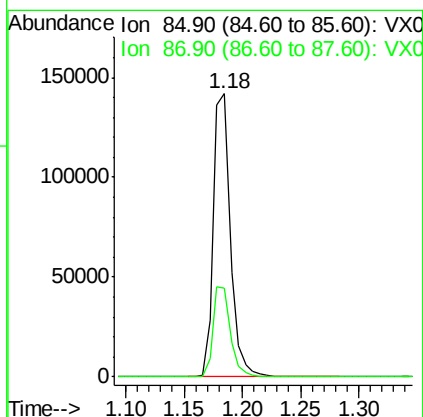
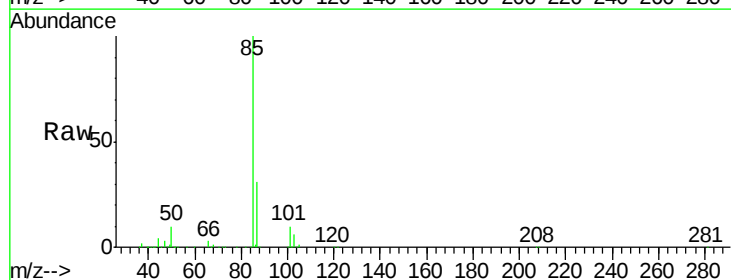
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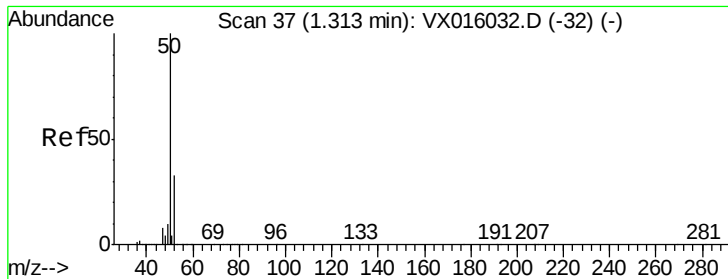
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#2
Dichlorodifluoromethane
Concen: 53.536 ug/l
RT: 1.18 min Scan# 16
Delta R.T. -0.00 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.4	16.4	49.1





#3

Chloromethane

Concen: 50.396 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 155352

Ion Ratio Lower Upper

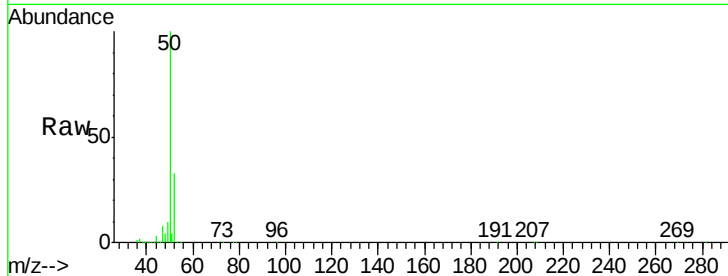
50 100

52 33.0 26.1 39.1

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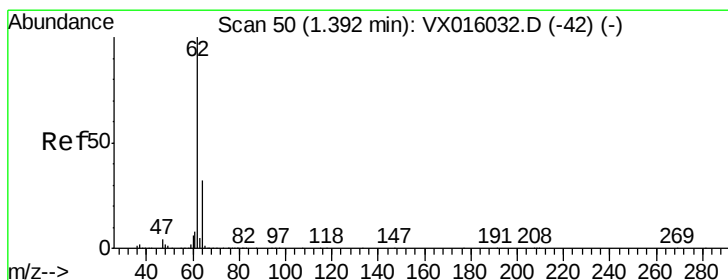
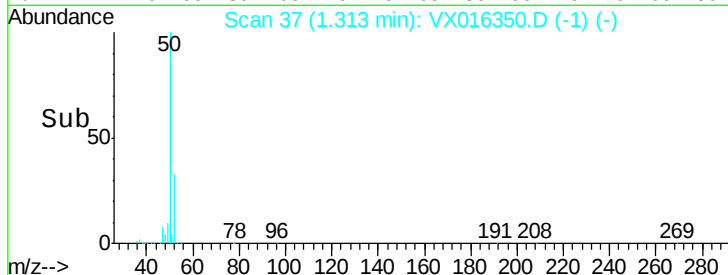
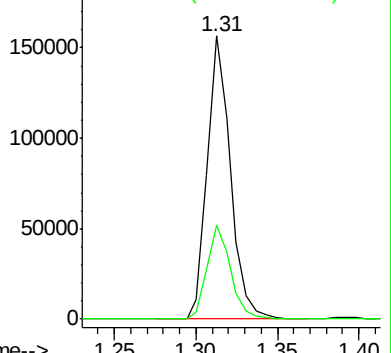
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 52.363 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016350.D

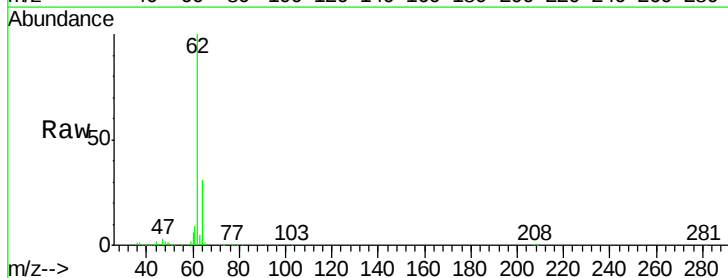
Acq: 20 May 2020 10:48

Tgt Ion: 62 Resp: 172214

Ion Ratio Lower Upper

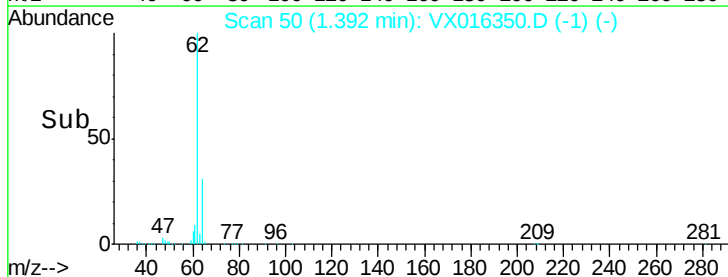
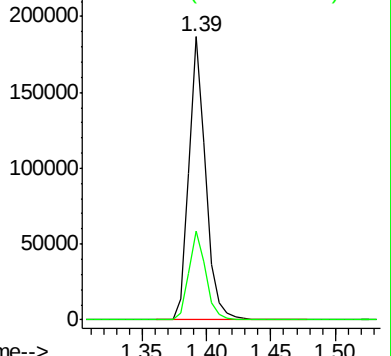
62 100

64 31.4 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 41.774 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 69263

Ion Ratio Lower Upper

94 100

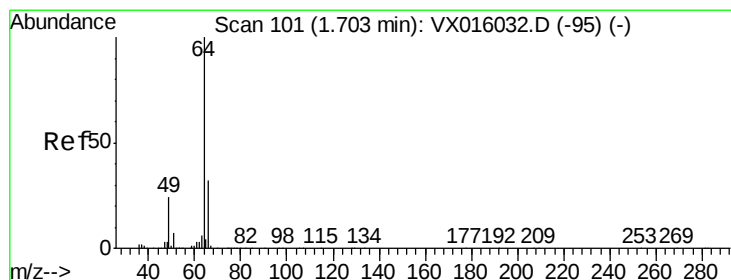
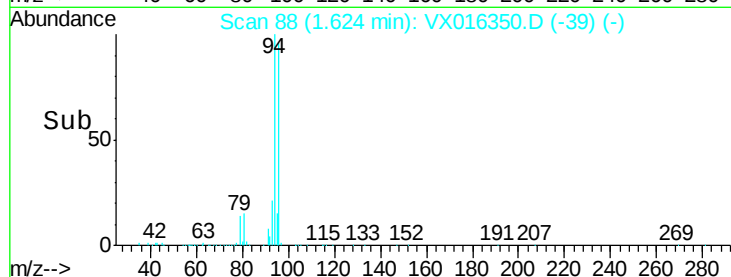
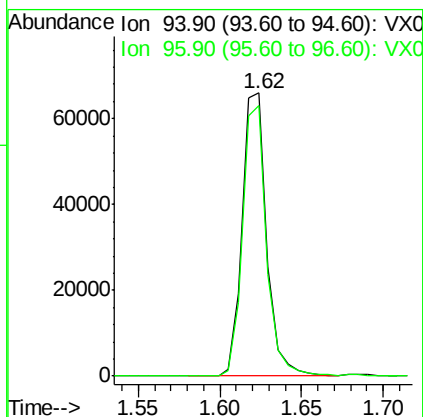
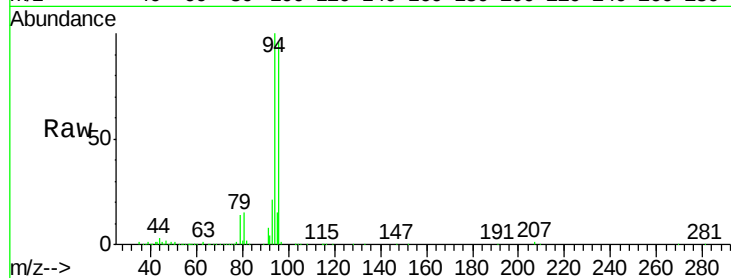
96 95.4 76.9 115.3

Manual Integrations

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#6

Chloroethane

Concen: 52.455 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX016350.D

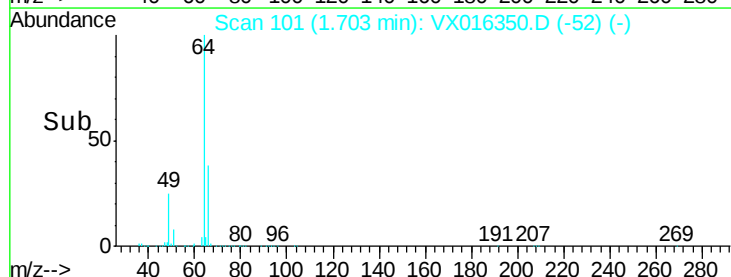
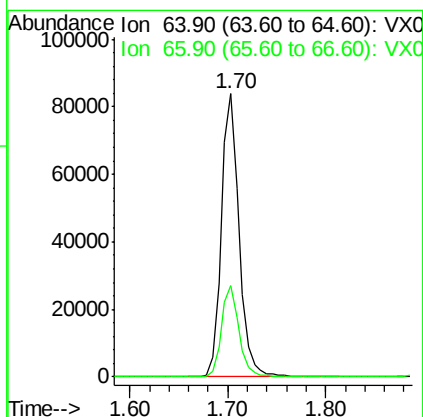
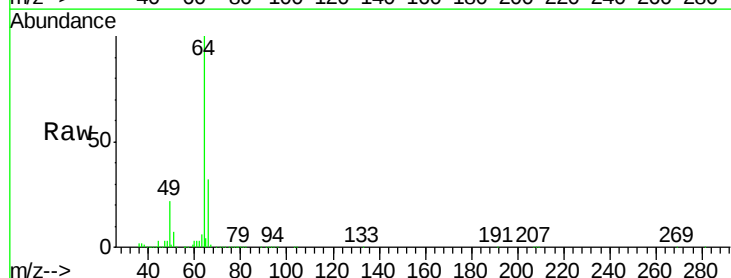
Acq: 20 May 2020 10:48

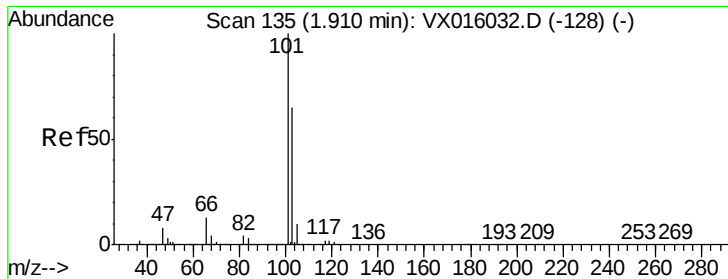
Tgt Ion: 64 Resp: 104968

Ion Ratio Lower Upper

64 100

66 32.4 25.2 37.8





#7

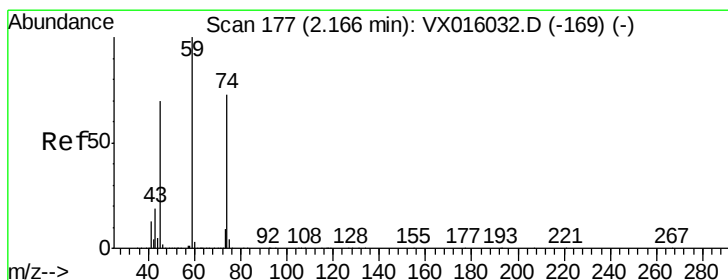
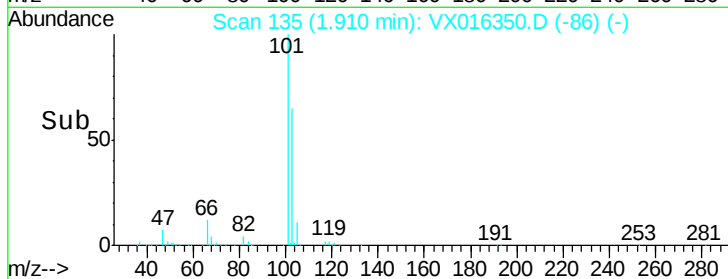
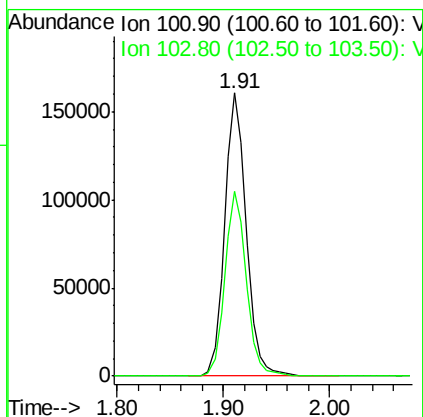
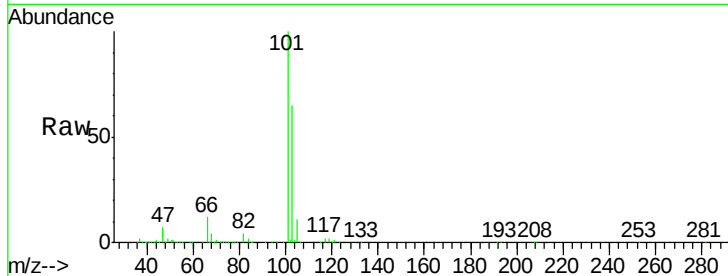
Trichlorofluoromethane
 Concen: 52.664 ug/l
 RT: 1.91 min Scan# 135
 Delta R.T. -0.00 min
 Lab File: VX016350.D
 Acq: 20 May 2020 10:48

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.8	77.6

Manual Integrations
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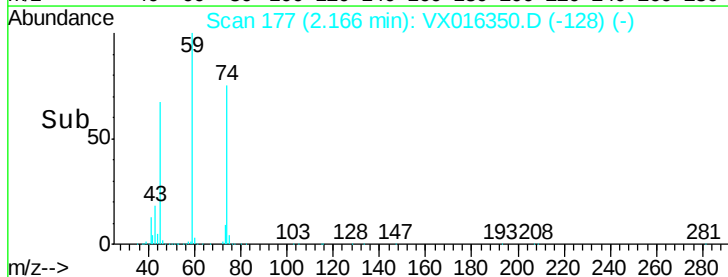
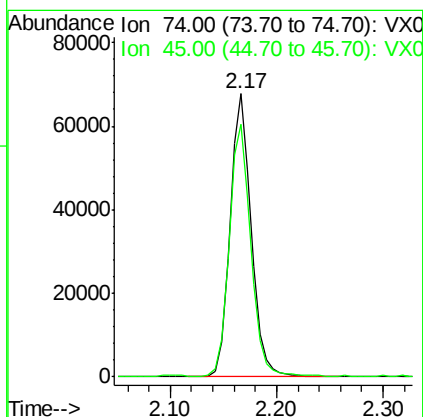
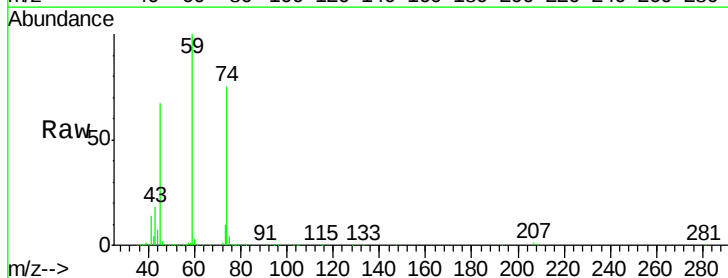
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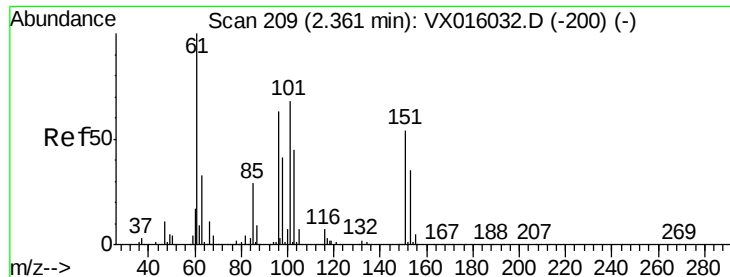


#8

Diethyl Ether
 Concen: 51.732 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VX016350.D
 Acq: 20 May 2020 10:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.1	47.3	142.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.637 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

Instrument :

MSVOA_X

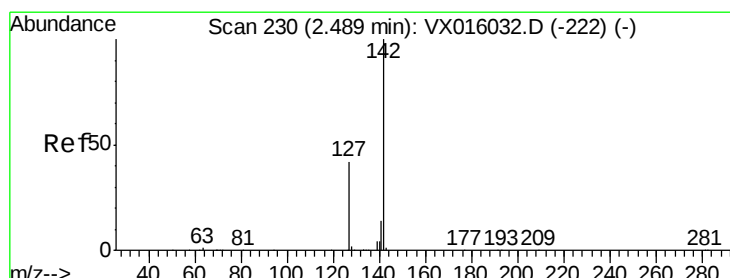
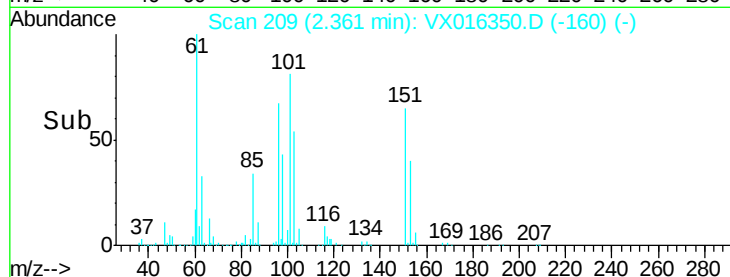
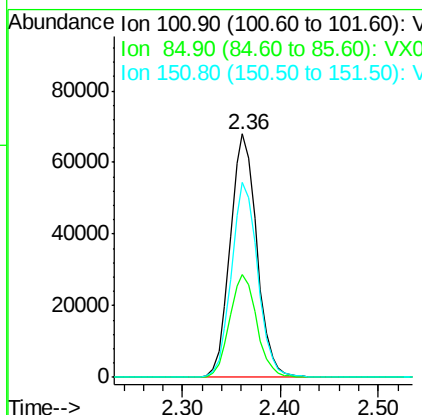
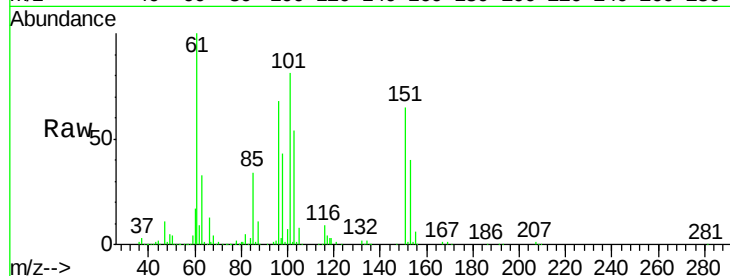
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	128631
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.2	51.4
151	79.4	62.1	93.1

Manual Integrations
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#10

Methyl Iodide

Concen: 43.369 ug/l

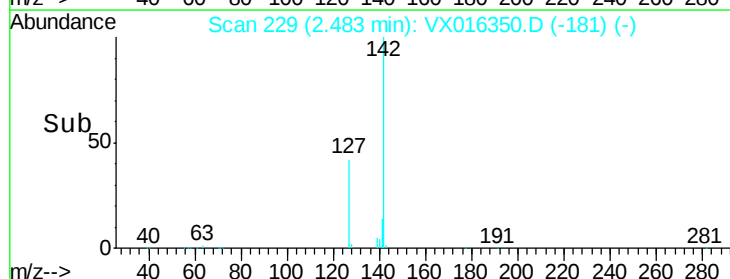
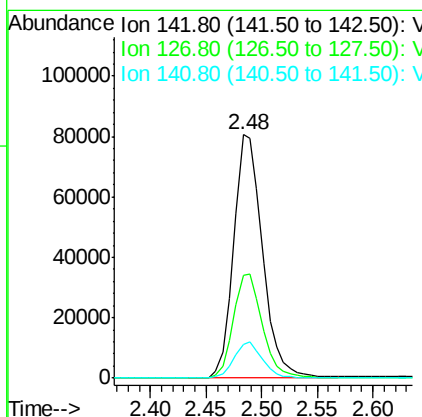
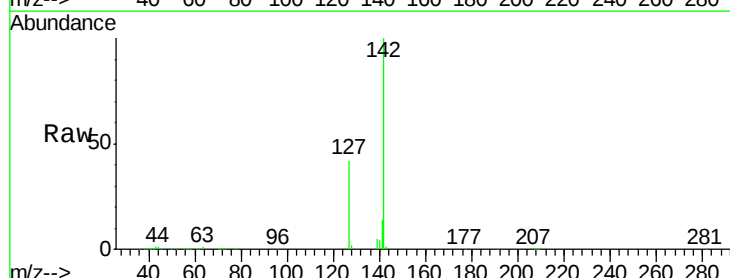
RT: 2.48 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

Tgt Ion:	142	Resp:	145116
Ion Ratio	Lower	Upper	
142	100		
127	43.0	34.6	52.0
141	14.5	11.3	16.9





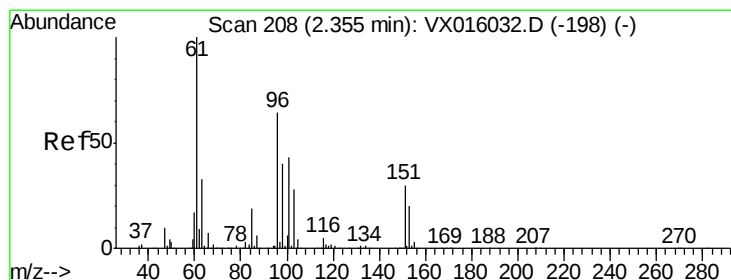
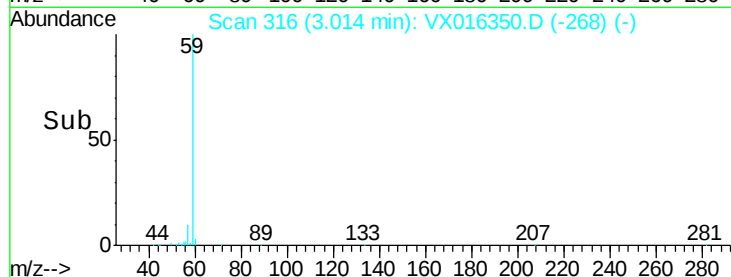
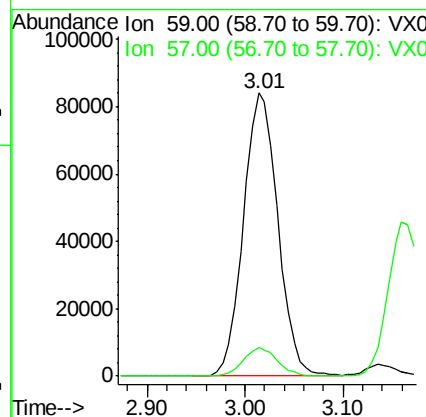
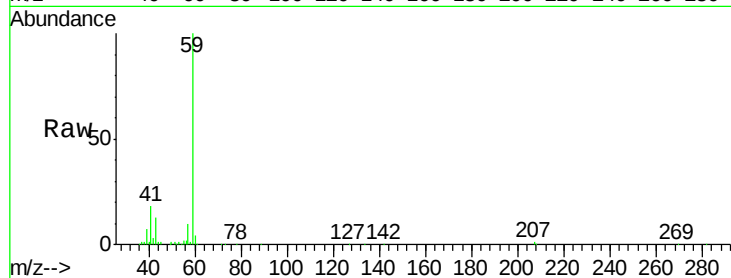
#11
Tert butyl alcohol
Concen: 246.085 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.4

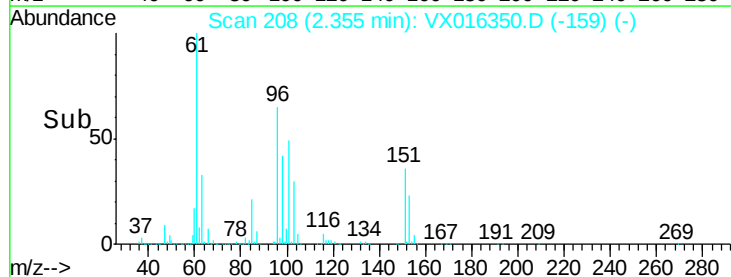
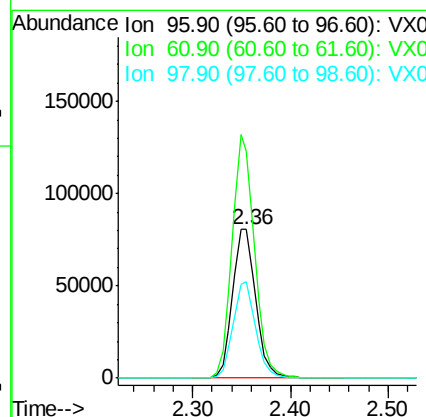
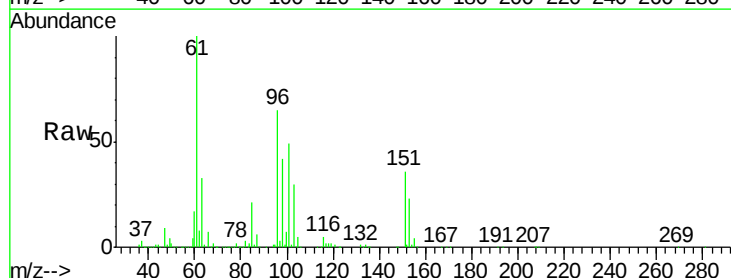
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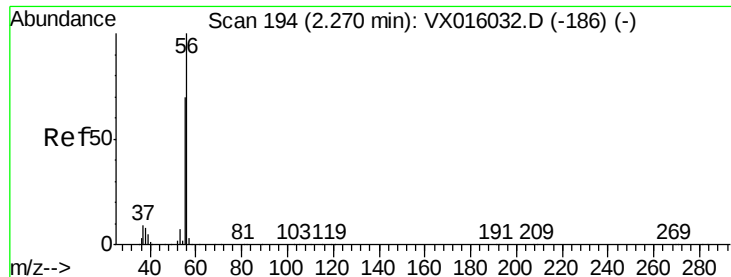
MMDadoda
5/21/2020 1:15:17 PM



#12
1,1-Dichloroethene
Concen: 50.788 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.1	124.8	187.2
98	64.9	49.7	74.5





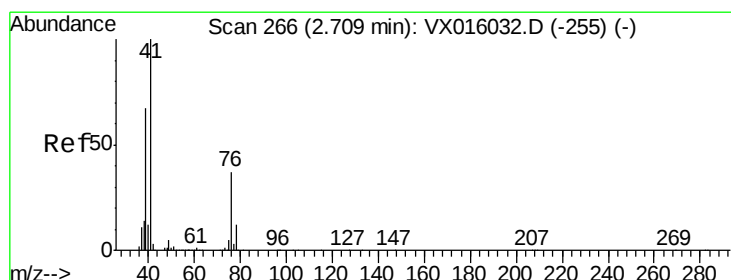
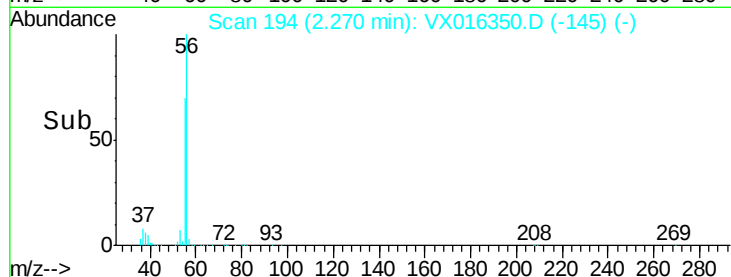
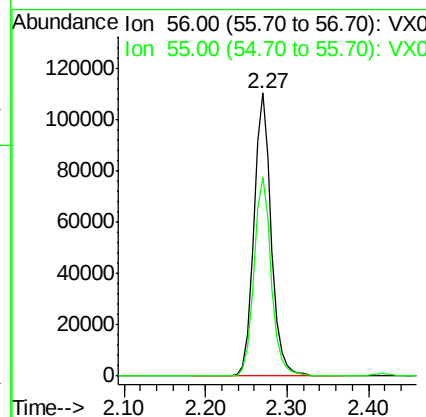
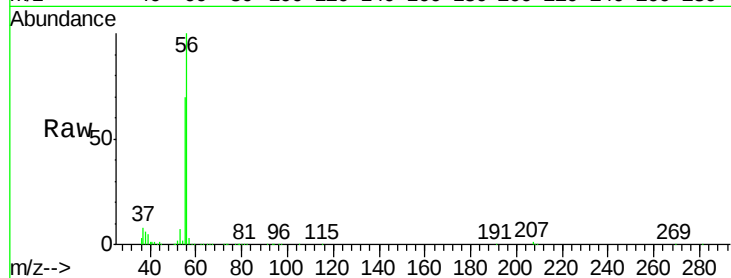
#13
Acrolein
Concen: 313.382 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.8	56.5	84.7

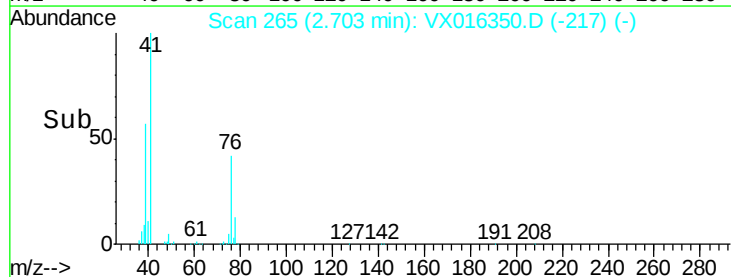
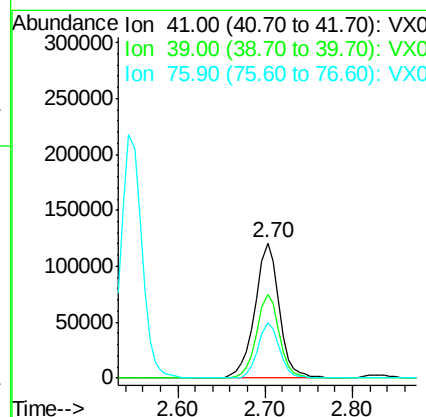
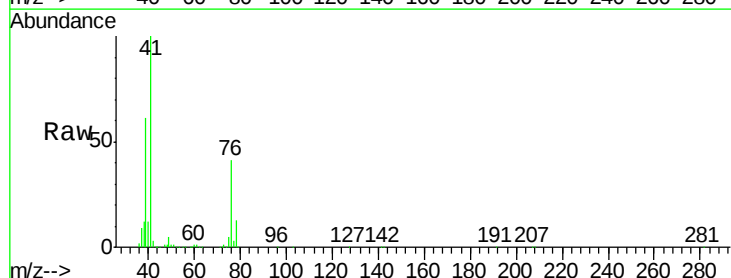
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#14
Allyl chloride
Concen: 48.712 ug/l
RT: 2.70 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.1	50.5	75.7
76	36.3	26.6	40.0





#15

Acrylonitrile

Concen: 260.327 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

Instrument :

MSVOA_X

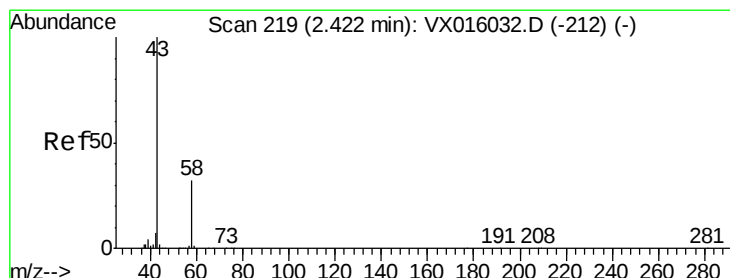
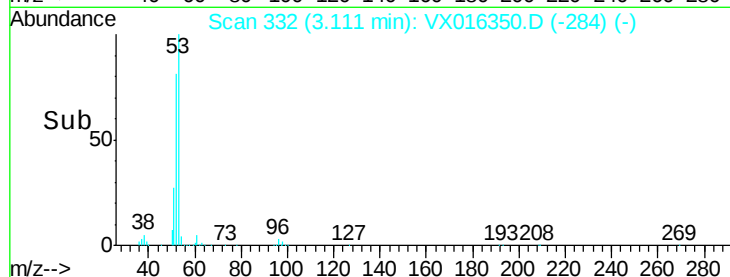
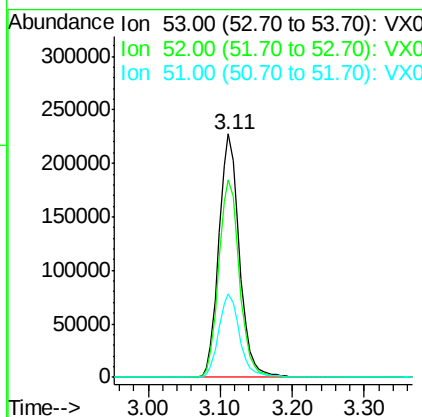
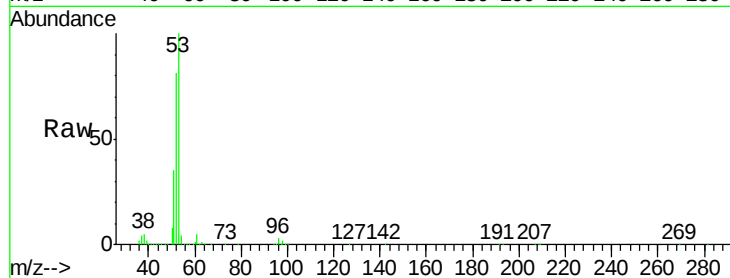
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	450653
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.1	99.1
51	35.1	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 250.278 ug/l

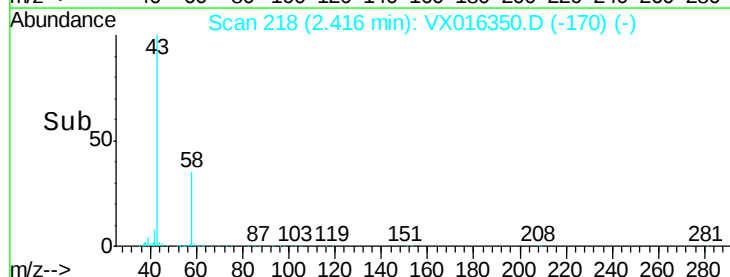
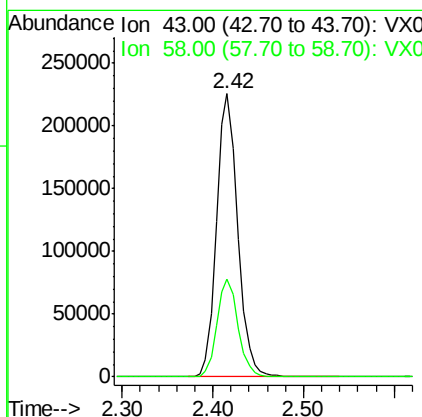
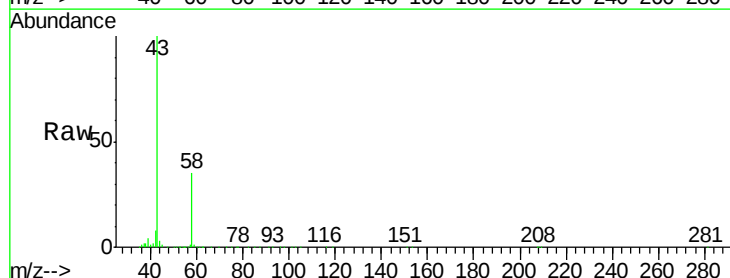
RT: 2.42 min Scan# 218

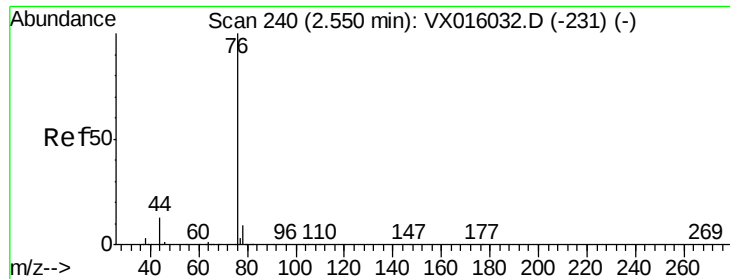
Delta R.T. -0.01 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

Tgt Ion:	43	Resp:	368509
Ion Ratio	Lower	Upper	
43	100		
58	34.6	25.4	38.0





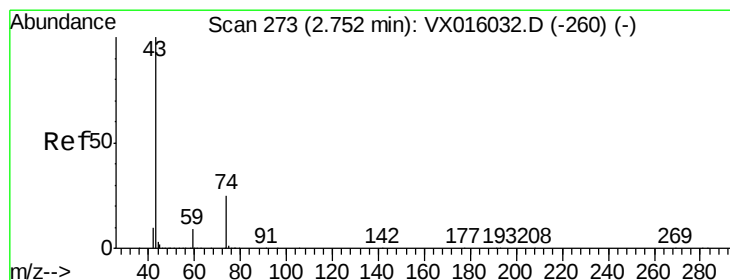
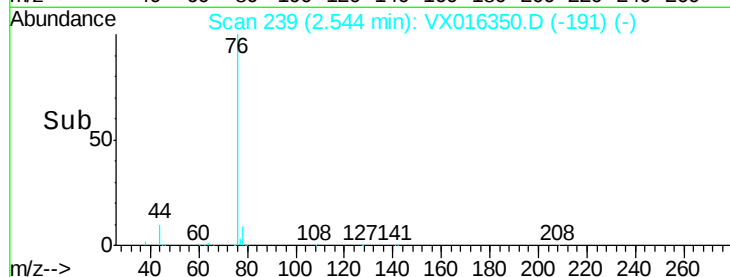
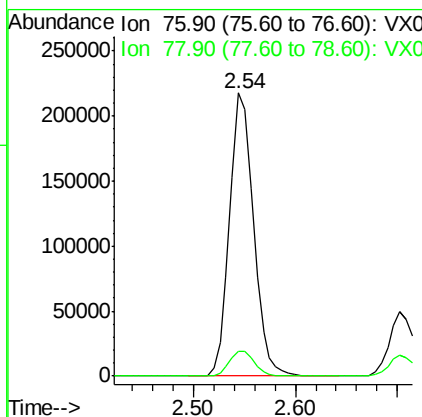
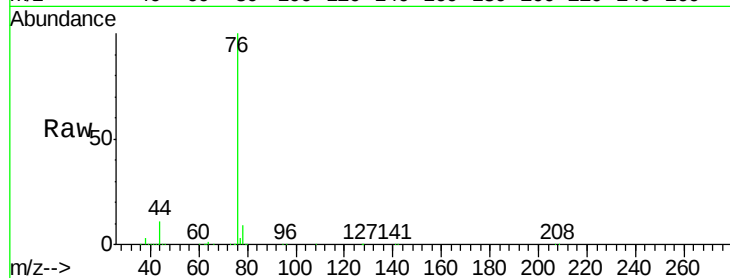
#17
Carbon Disulfide
Concen: 45.407 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.01 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.5	11.3

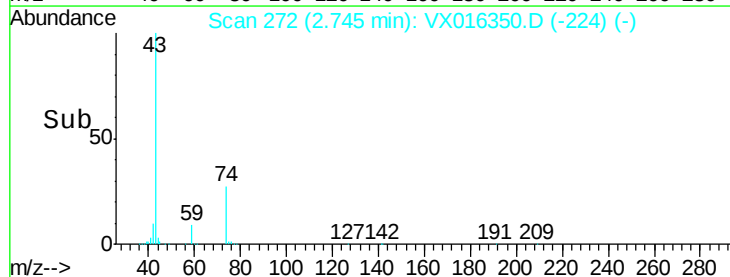
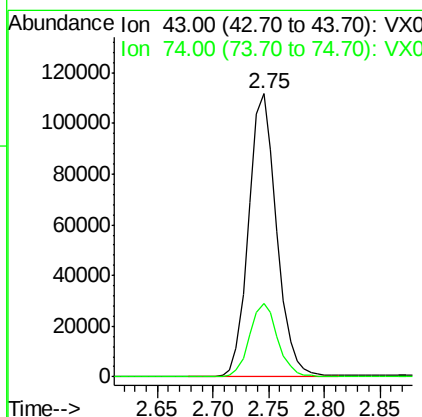
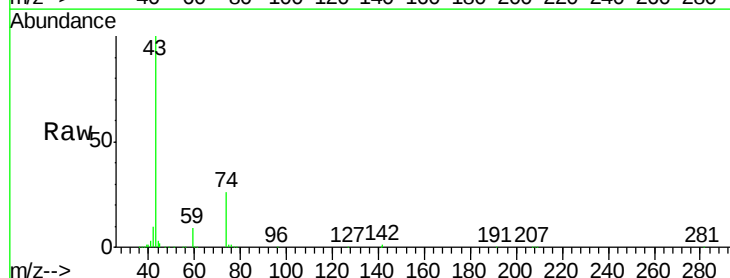
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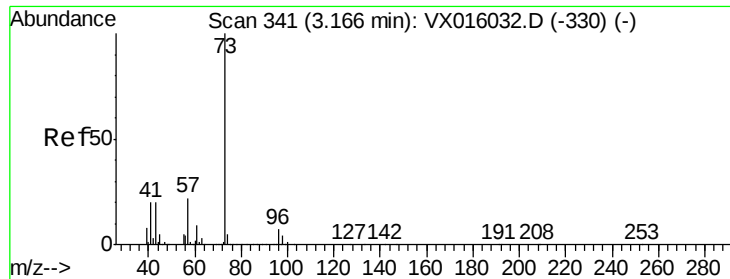
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#18
Methyl Acetate
Concen: 54.010 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.6	20.2	30.2





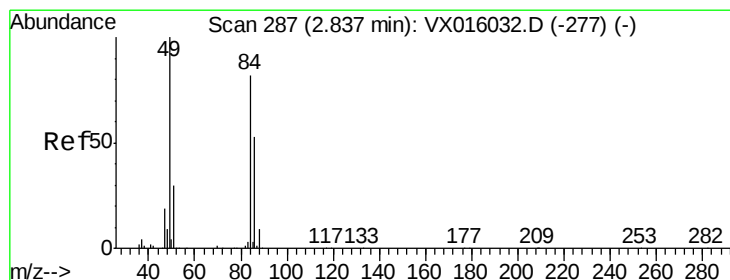
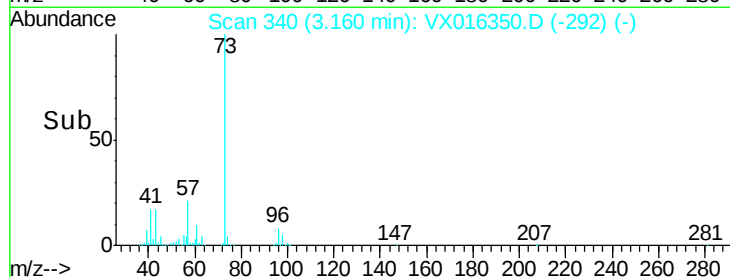
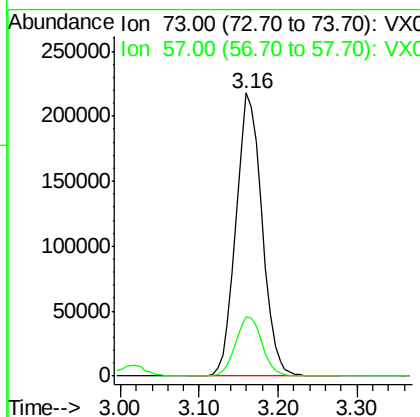
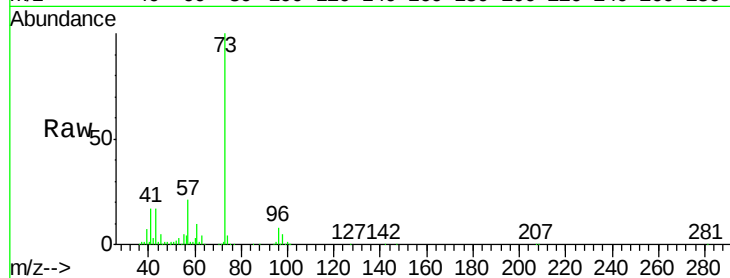
#19
Methyl tert-butyl Ether
Concen: 55.757 ug/l
RT: 3.16 min Scan# 340
Delta R.T. -0.01 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.8	26.6

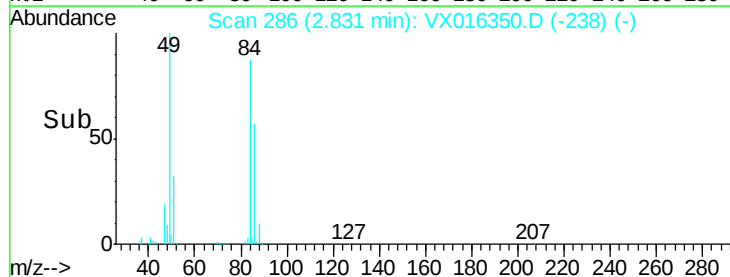
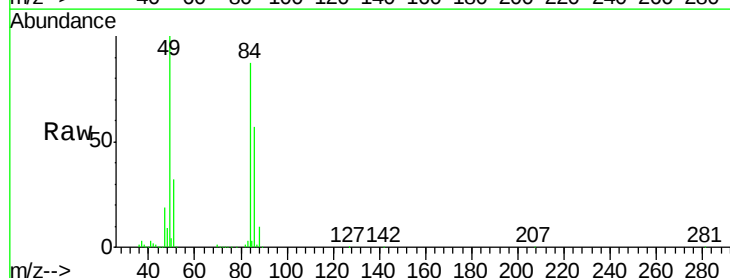
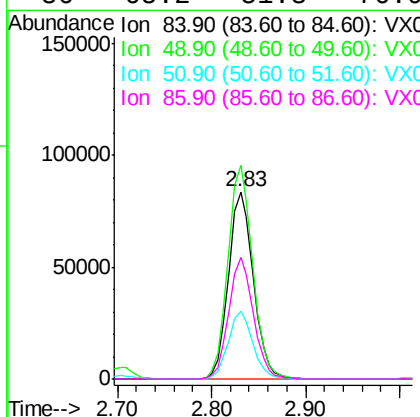
Manual Integrations
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#20
Methylene Chloride
Concen: 50.582 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.3	97.3	145.9
51	36.5	29.3	43.9
86	65.2	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 50.566 ug/l

RT: 3.14 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 146892

Ion Ratio Lower Upper

96 100

61 135.7 111.2 166.8

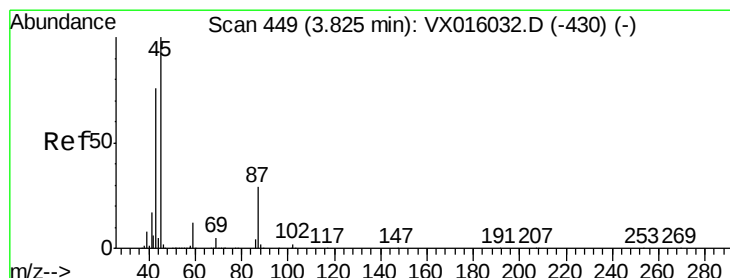
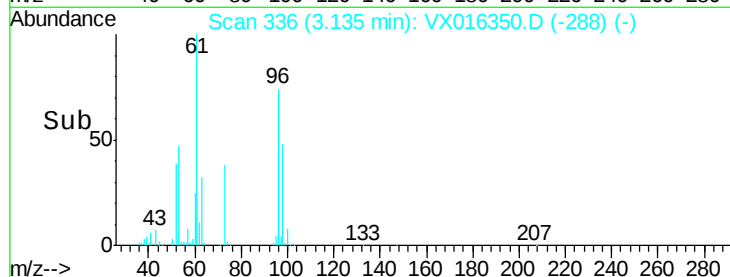
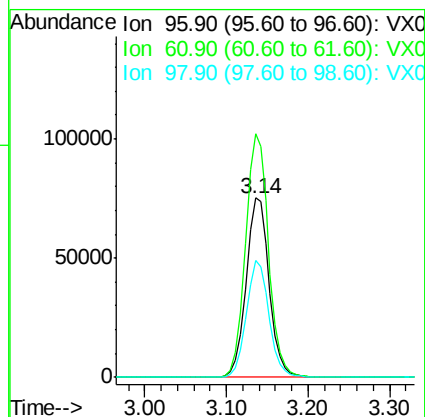
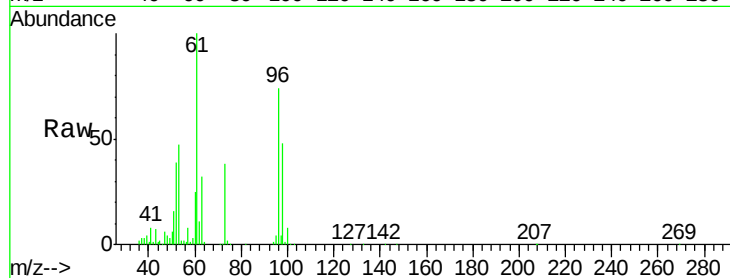
98 65.4 50.2 75.4

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#22

Diisopropyl ether

Concen: 51.612 ug/l

RT: 3.82 min Scan# 448

Delta R.T. -0.01 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

Tgt Ion: 45 Resp: 465395

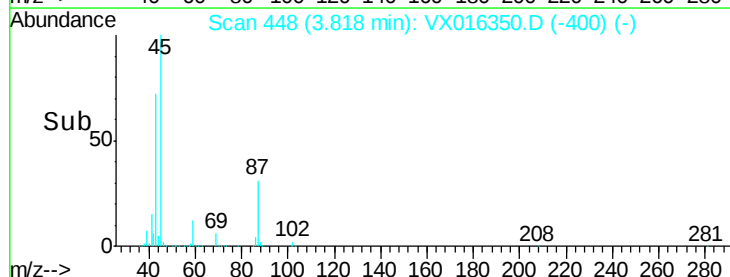
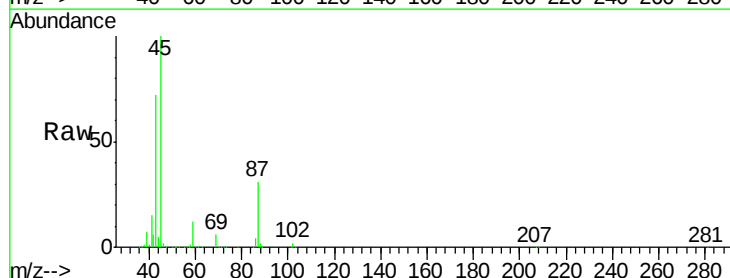
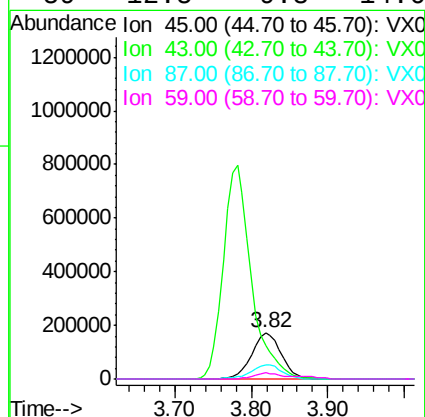
Ion Ratio Lower Upper

45 100

43 71.4 61.1 91.7

87 30.5 23.0 34.6

59 12.5 9.8 14.6





#23

Vinyl Acetate

Concen: 255.401 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2026161

Ion Ratio Lower Upper

43 100

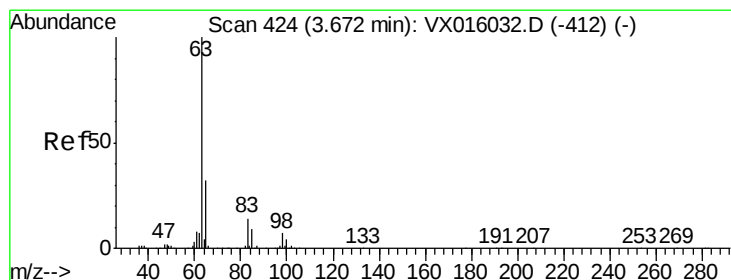
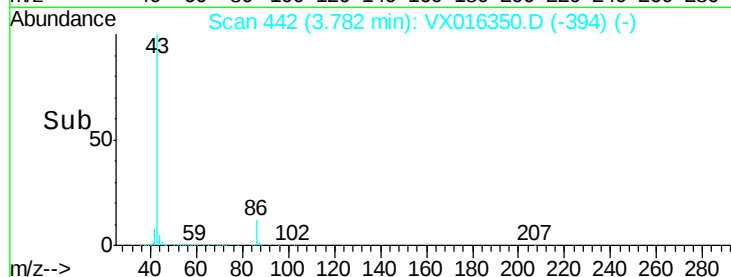
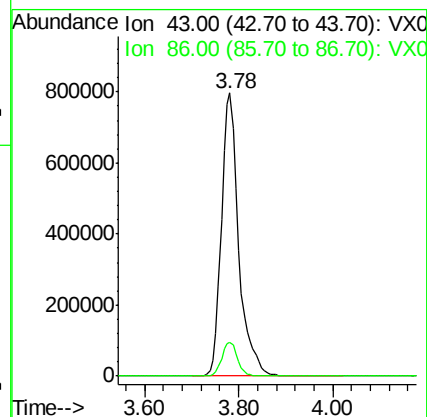
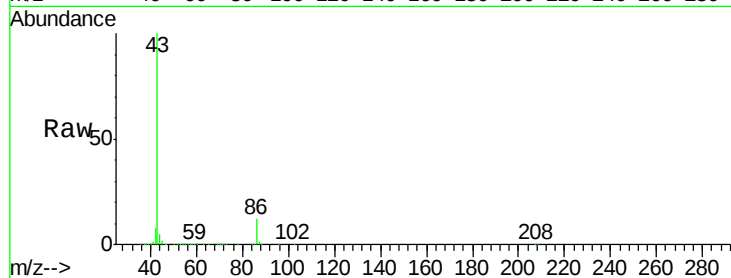
86 12.1 9.0 13.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 53.323 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

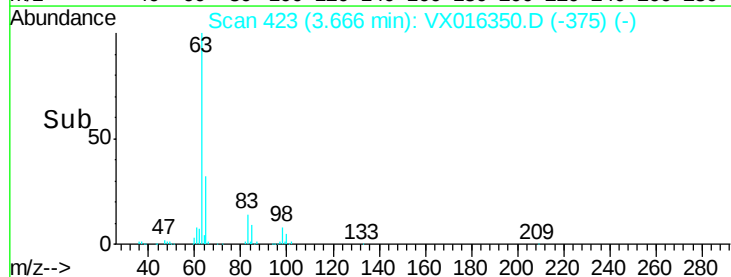
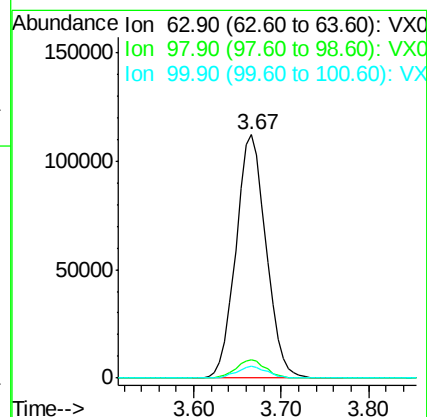
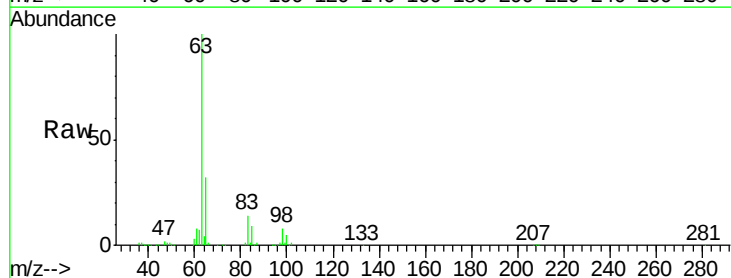
Tgt Ion: 63 Resp: 268975

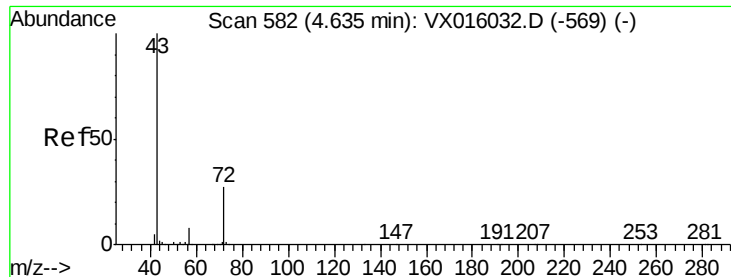
Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.5

100 4.8 2.1 6.5





#25

2-Butanone

Concen: 251.660 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 597095

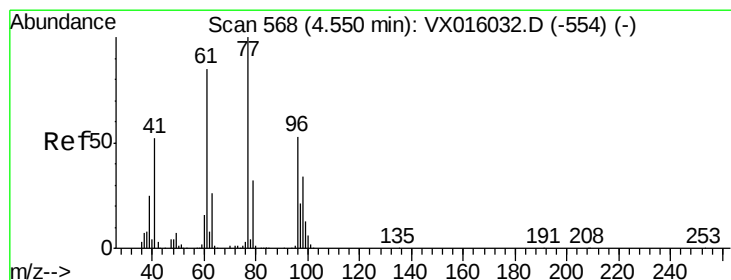
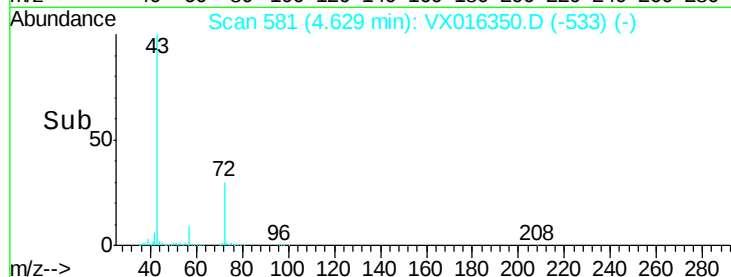
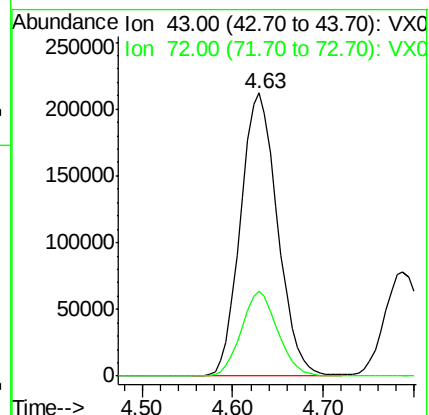
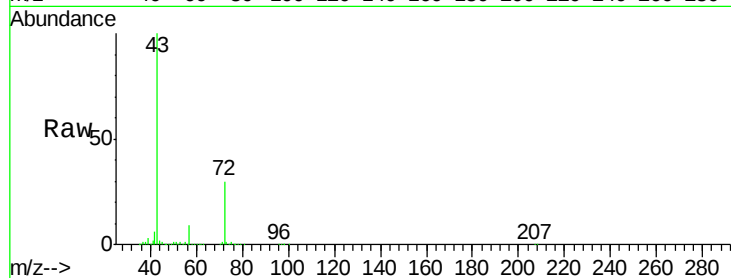
Ion Ratio Lower Upper

43 100

72 29.7 21.8 32.8

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#26

2,2-Dichloropropane

Concen: 53.960 ug/l

RT: 4.54 min Scan# 567

Delta R.T. -0.01 min

Lab File: VX016350.D

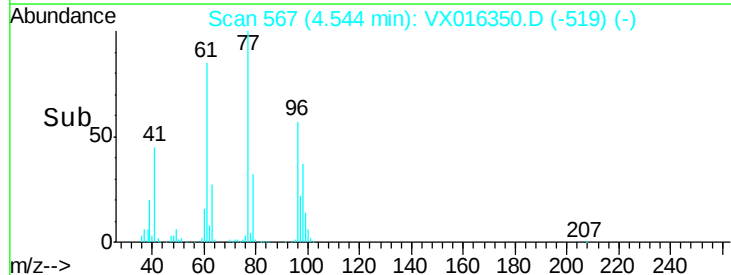
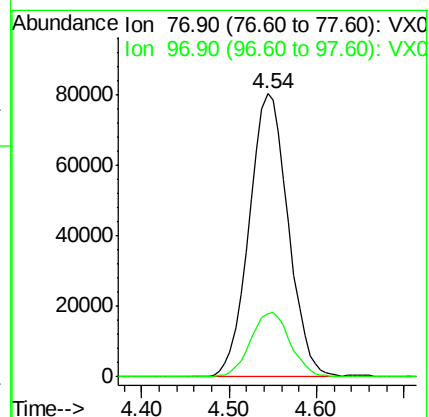
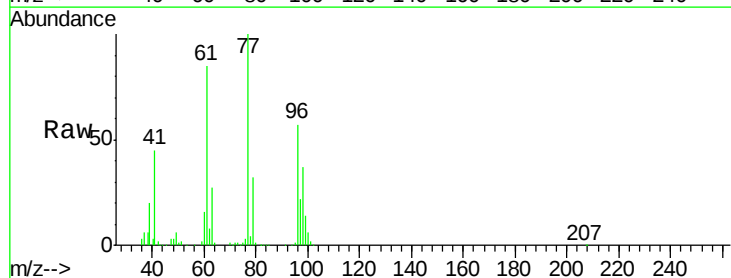
Acq: 20 May 2020 10:48

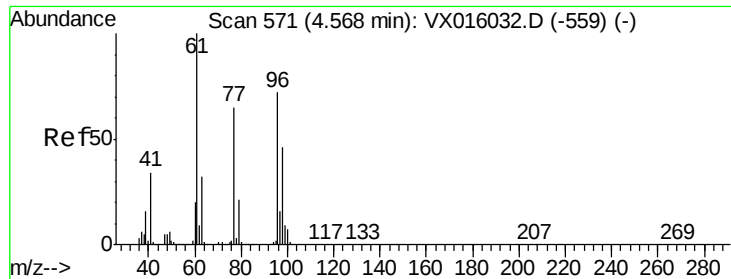
Tgt Ion: 77 Resp: 248576

Ion Ratio Lower Upper

77 100

97 23.2 11.2 33.6





#27

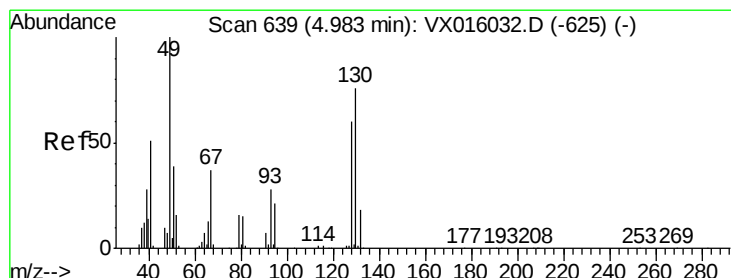
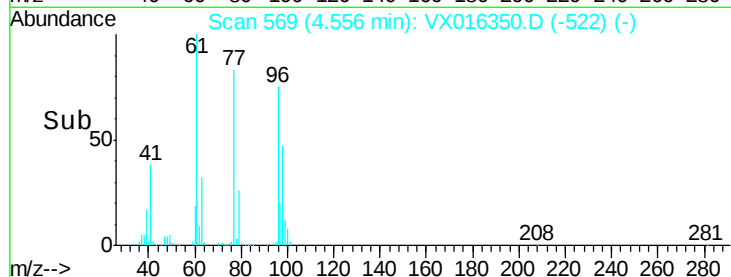
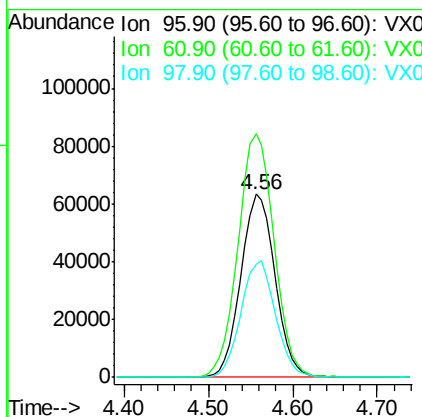
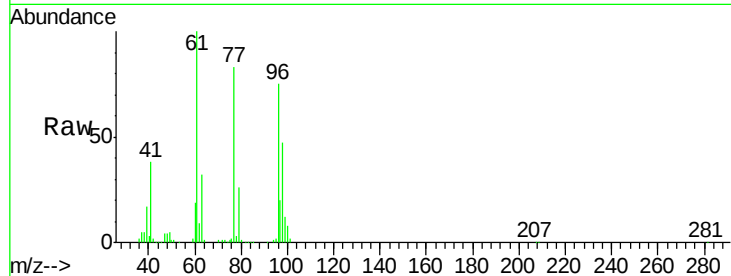
cis-1,2-Dichloroethene
Concen: 55.083 ug/l
RT: 4.56 min Scan# 569
Delta R.T. -0.01 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	174936		
61	140.2	0.0	296.2	
98	64.1	0.0	129.4	

Manual Integrations
APPROVED

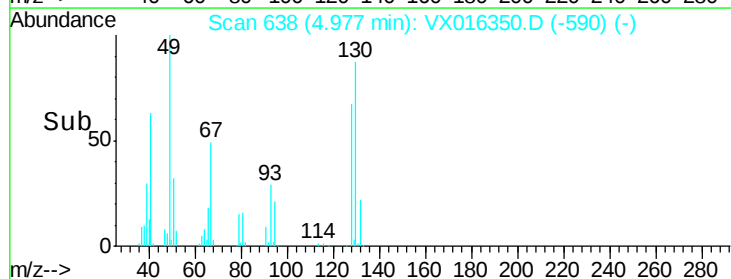
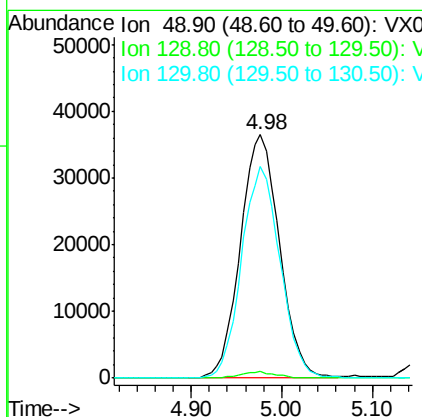
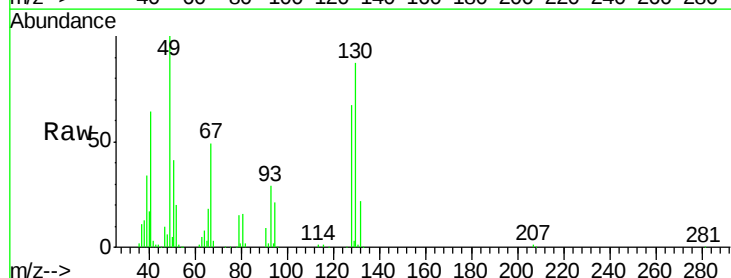
MMDadoda
5/21/2020 1:15:17 PM

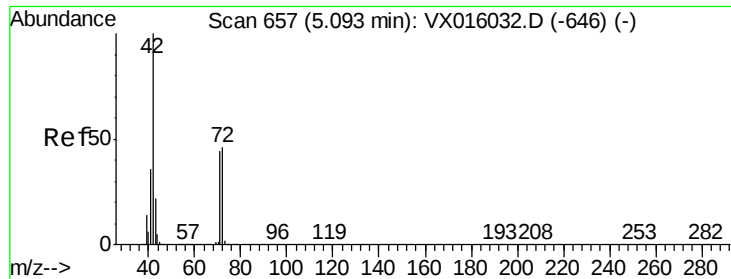


#28

Bromochloromethane
Concen: 47.385 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	108989		
129	2.2	0.0	4.0	
130	85.4	62.4	93.6	





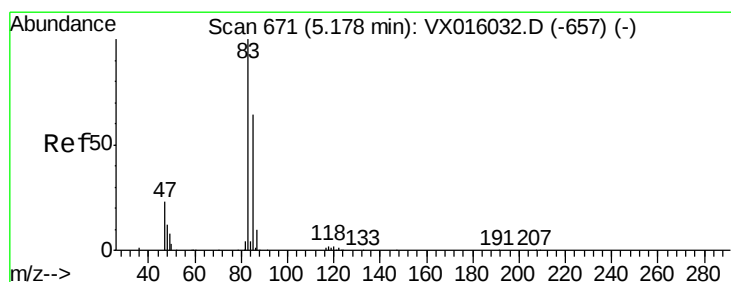
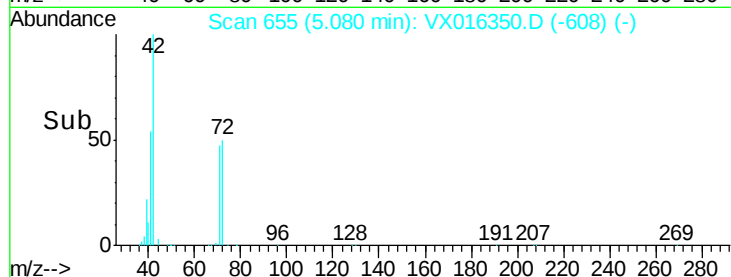
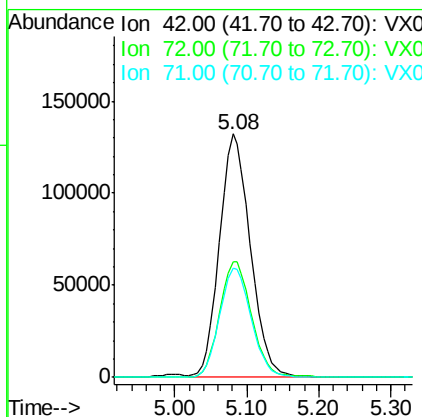
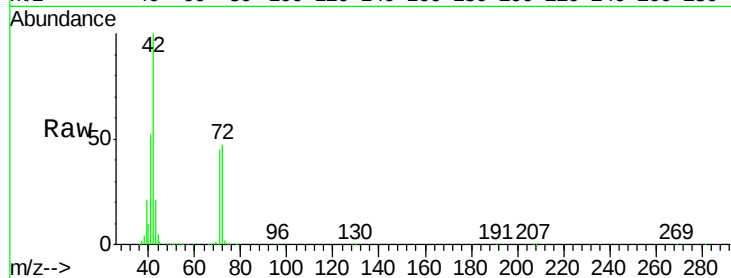
#29
Tetrahydrofuran
Concen: 250.587 ug/l
RT: 5.08 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	49.3		37.1	55.7
71	46.0		34.5	51.7

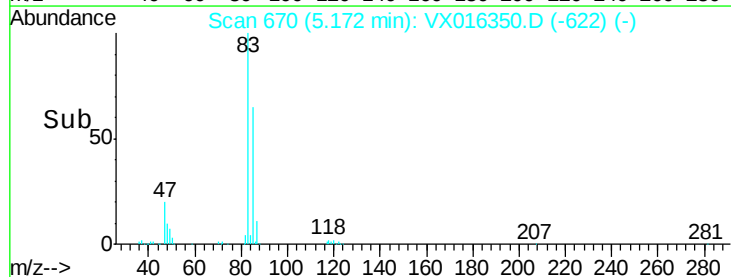
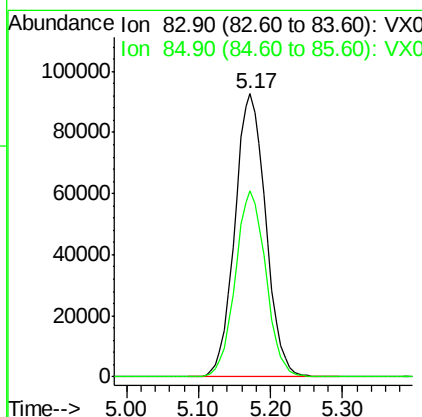
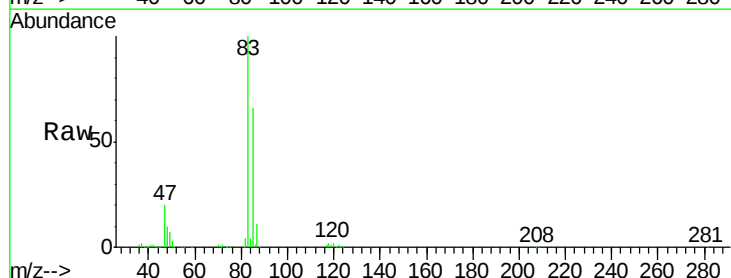
Manual Integrations
APPROVED

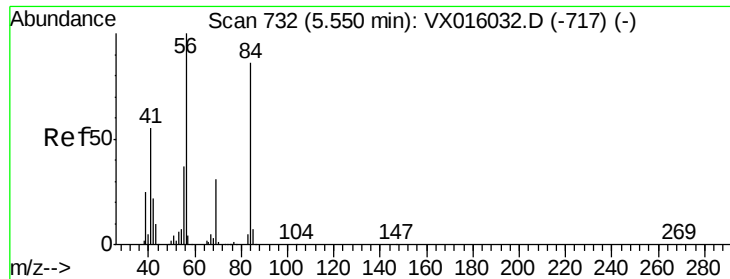
MMDadoda
5/21/2020 1:15:17 PM



#30
Chloroform
Concen: 54.954 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.9		51.6	77.4





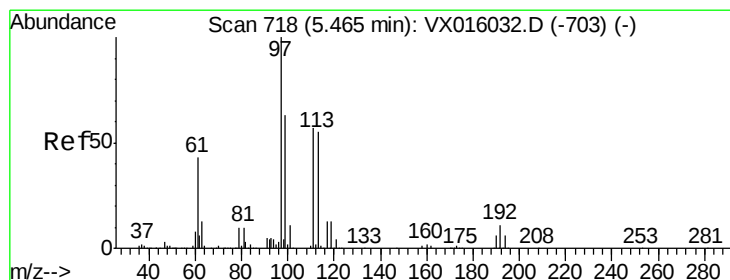
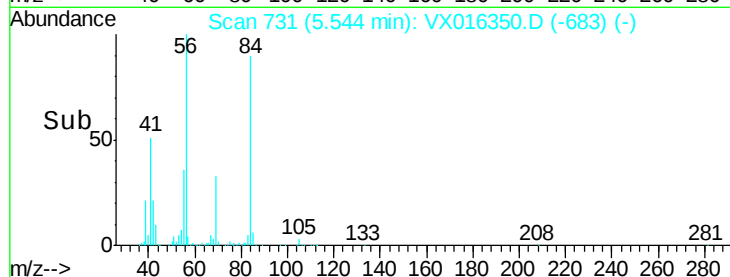
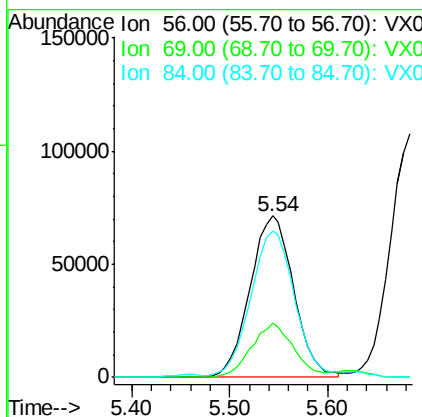
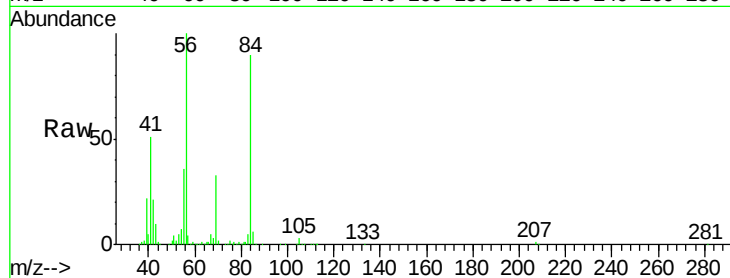
#31
Cyclohexane
Concen: 48.233 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		221113		
69	33.3	25.0	37.6		
84	88.6	69.0	103.6		

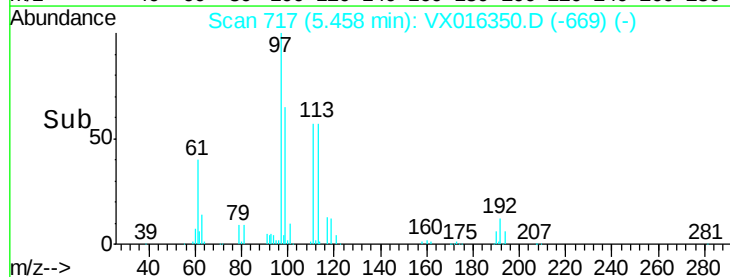
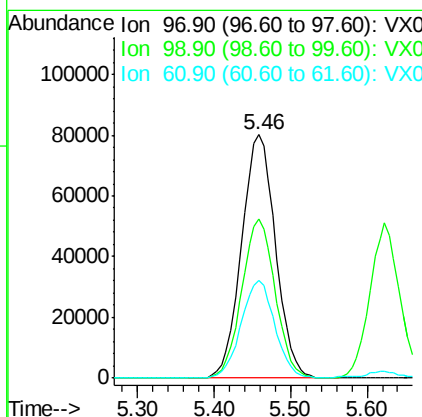
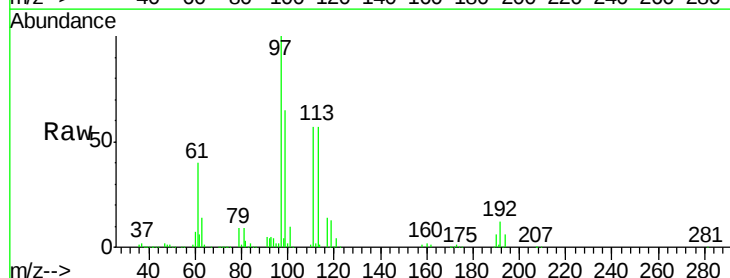
Manual Integrations
APPROVED

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5/21/2020 1:15:17 PM



#32
1,1,1-Trichloroethane
Concen: 54.073 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		246855		
99	64.6	51.0	76.4		
61	40.0	34.5	51.7		





#33

1,2-Dichloroethane-d4

Concen: 46.739 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 154234

Ion Ratio Lower Upper

65 100

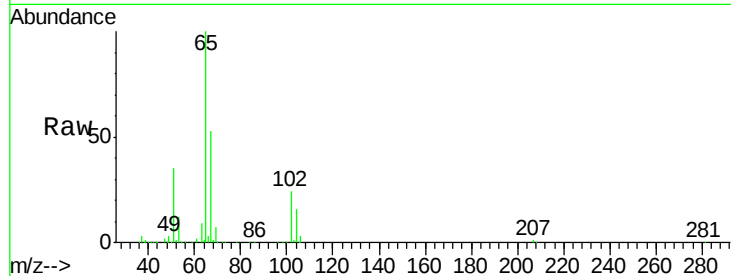
67 53.1 0.0 104.8

Manual Integrations

APPROVED

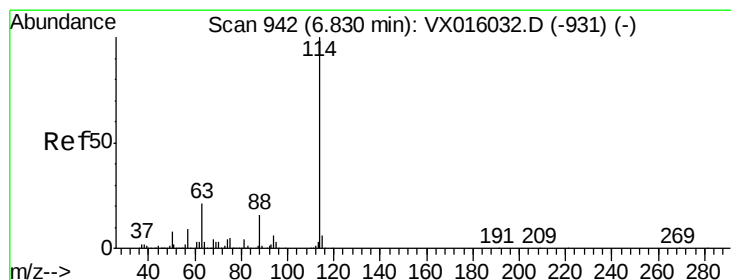
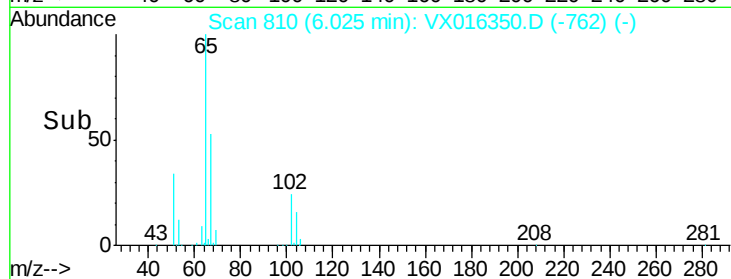
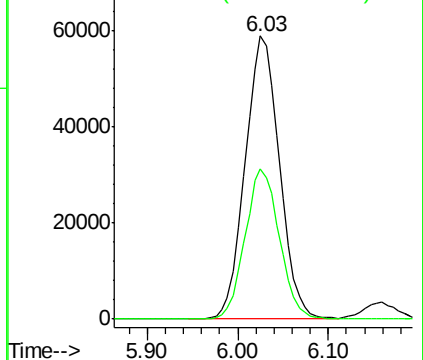
MMDadoda

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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: VX016350.D

Acq: 20 May 2020 10:48

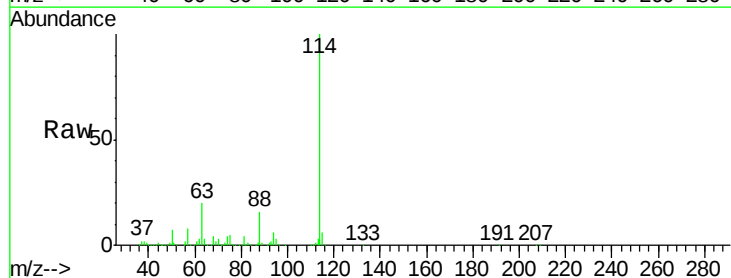
Tgt Ion: 114 Resp: 395719

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.8

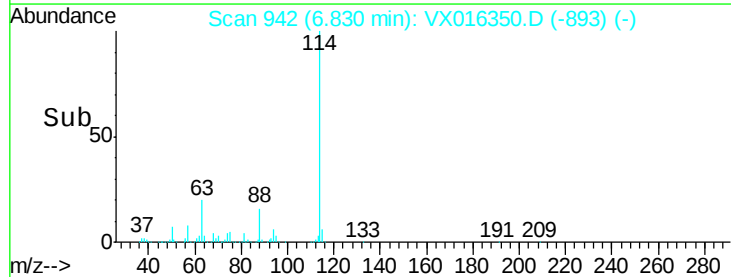
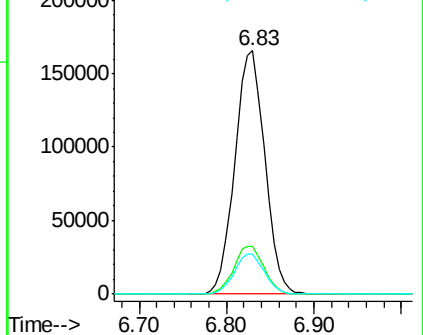
88 16.4 0.0 31.4



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





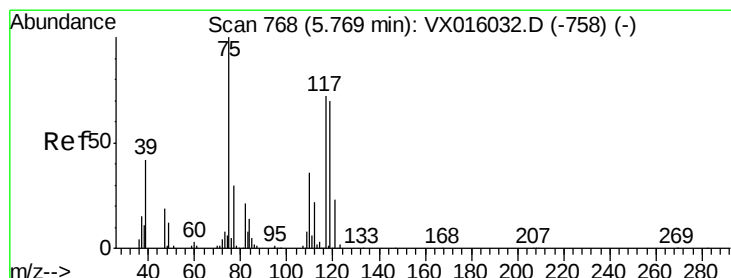
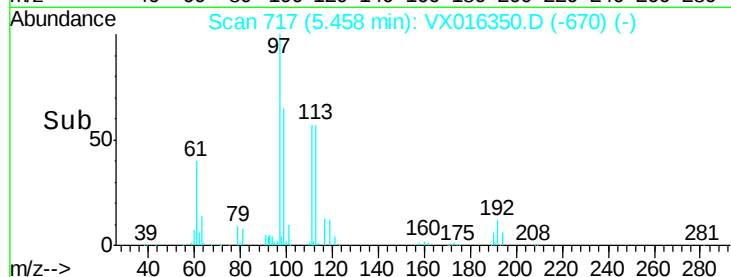
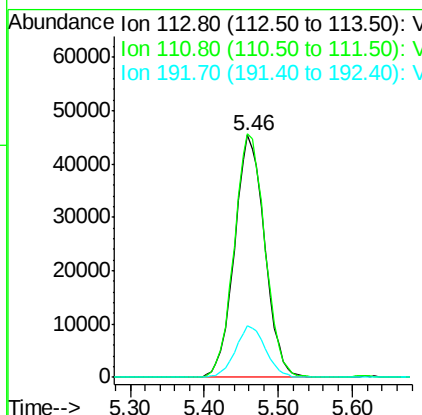
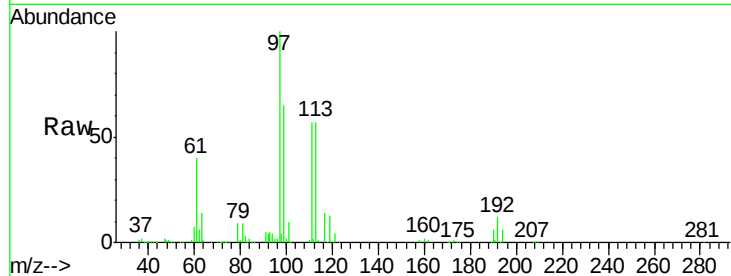
#35
 Dibromofluoromethane
 Concen: 51.531 ug/l
 RT: 5.46 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: VX016350.D
 Acq: 20 May 2020 10:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	129190		
111	102.4	81.6	122.4	
192	21.1	17.0	25.4	

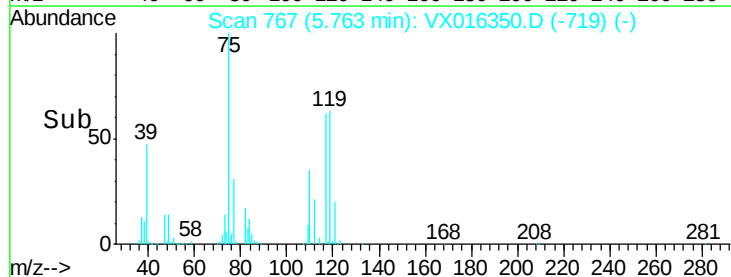
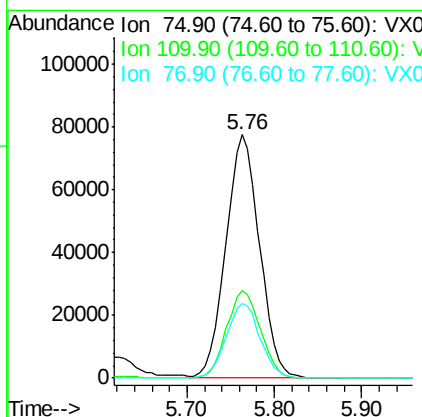
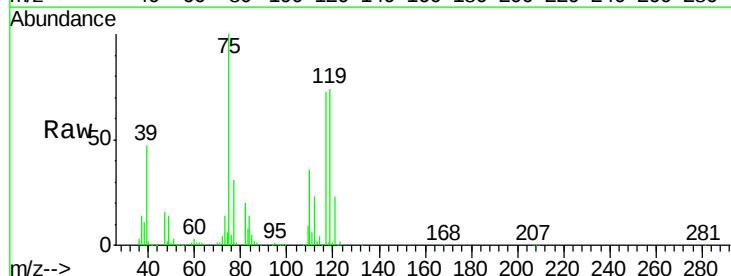
Manual Integrations
 APPROVED

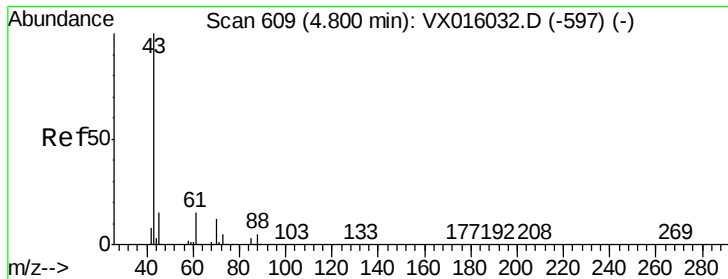
MMDadoda
 5/21/2020 1:15:17 PM



#36
 1,1-Dichloropropene
 Concen: 53.091 ug/l
 RT: 5.76 min Scan# 767
 Delta R.T. -0.01 min
 Lab File: VX016350.D
 Acq: 20 May 2020 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	206806		
110	36.3	18.1	54.1	
77	30.9	25.0	37.6	





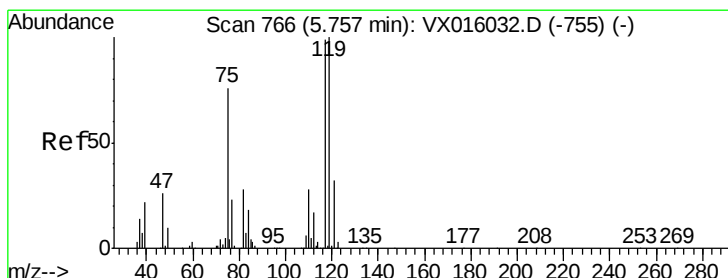
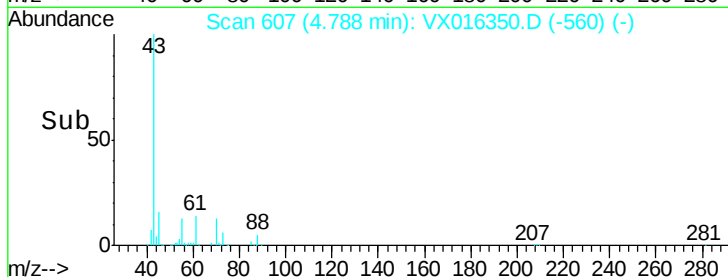
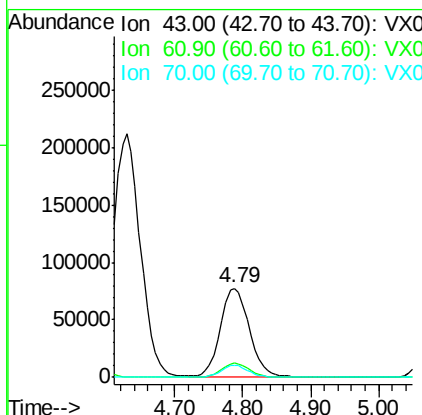
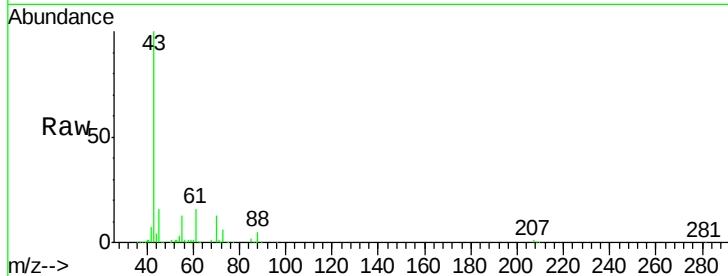
#37
Ethyl Acetate
Concen: 50.917 ug/l
RT: 4.79 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	229880
Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.7	17.5
70	12.9	9.3	13.9

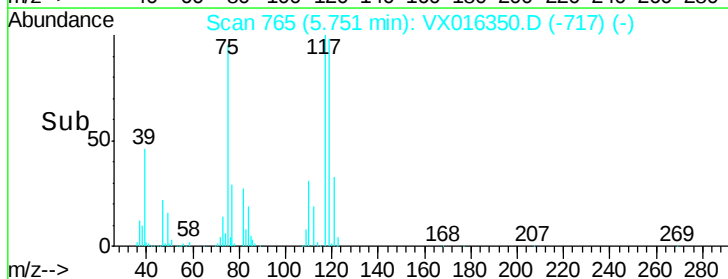
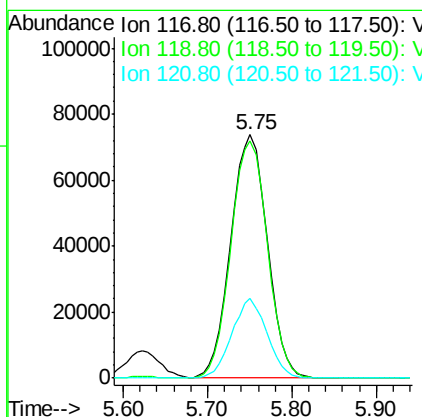
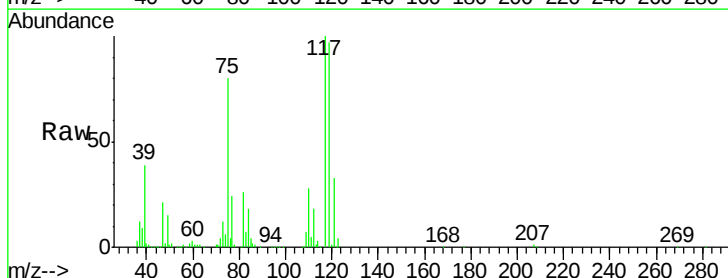
Manual Integrations
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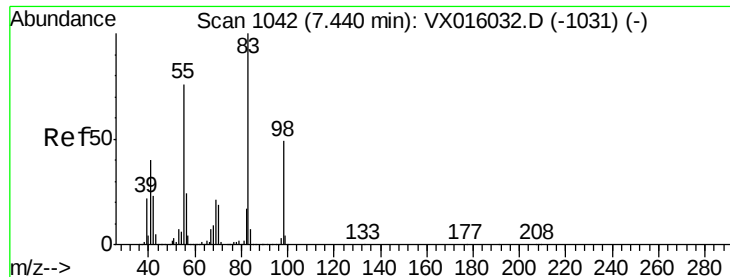
MMDadoda
5/21/2020 1:15:17 PM



#38
Carbon Tetrachloride
Concen: 54.904 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Tgt Ion:	117	Resp:	217380
Ion	Ratio	Lower	Upper
117	100		
119	97.2	80.3	120.5
121	32.6	25.7	38.5





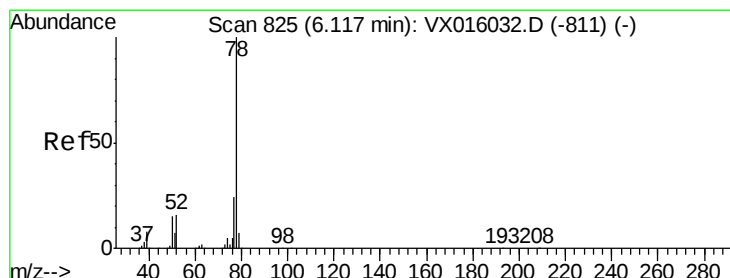
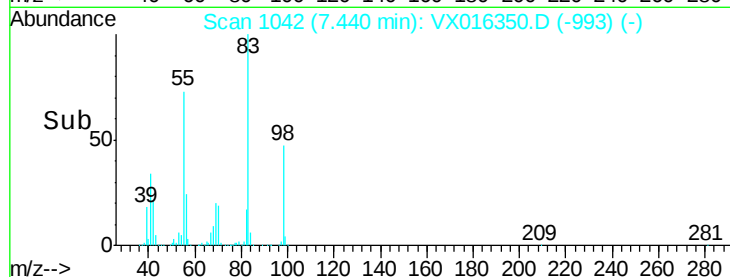
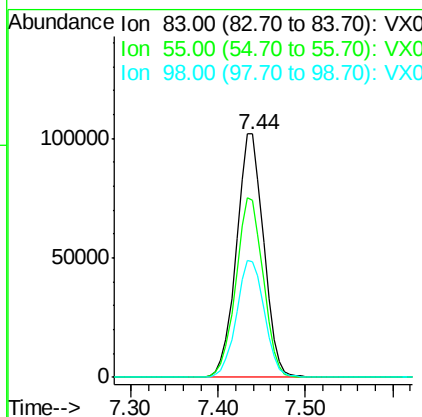
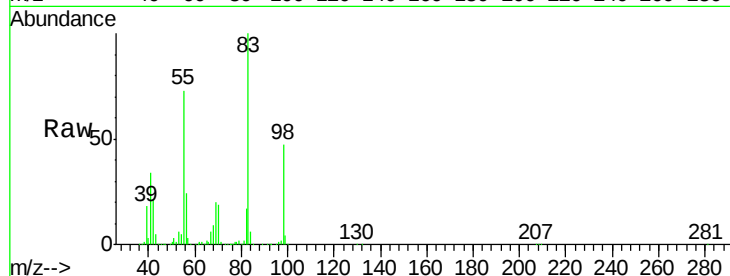
#39
Methvlcvclohexane
Concen: 47.090 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.7	61.1	91.7
98	47.4	39.0	58.4

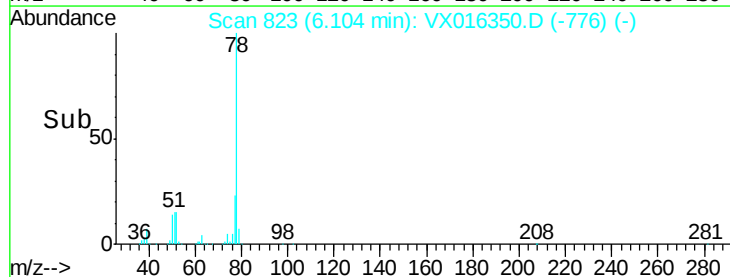
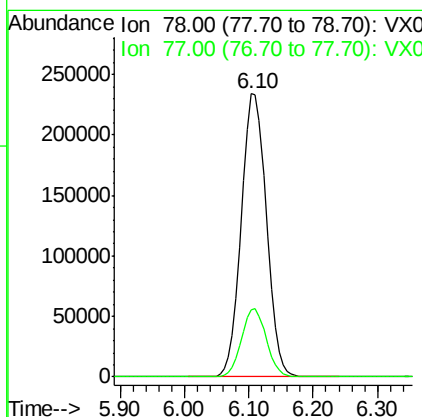
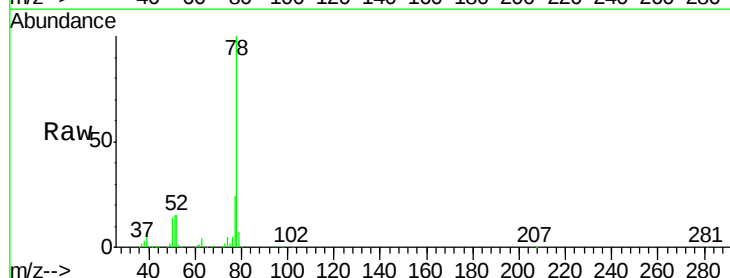
Manual Integrations
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#40
Benzene
Concen: 55.032 ug/l
RT: 6.10 min Scan# 823
Delta R.T. -0.01 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





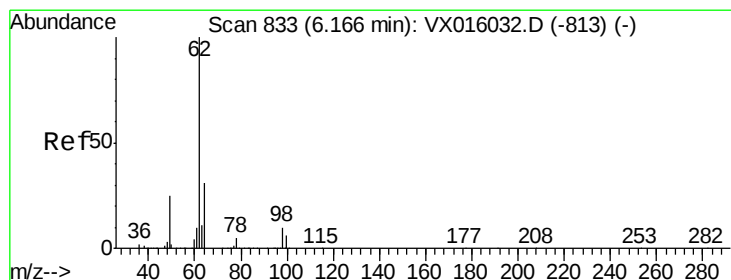
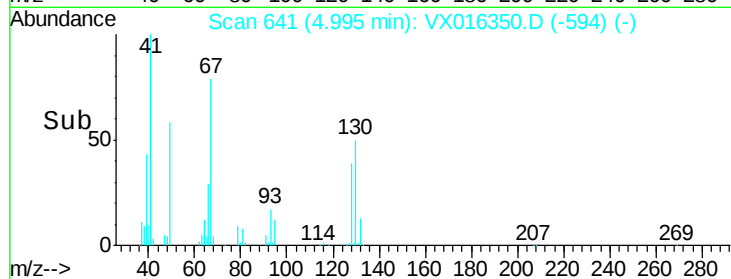
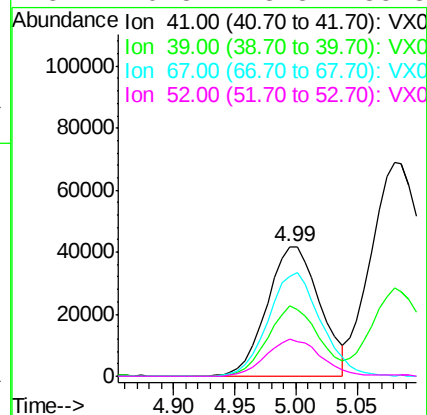
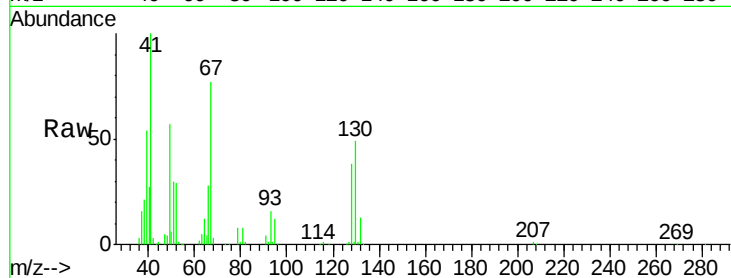
#41
Methacrylonitrile
Concen: 51.718 ug/l
RT: 4.99 min Scan# 641
Delta R.T. -0.01 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		126099		
39	52.2	43.2	64.8		
67	79.7	59.3	88.9		
52	29.8	23.5	35.3		

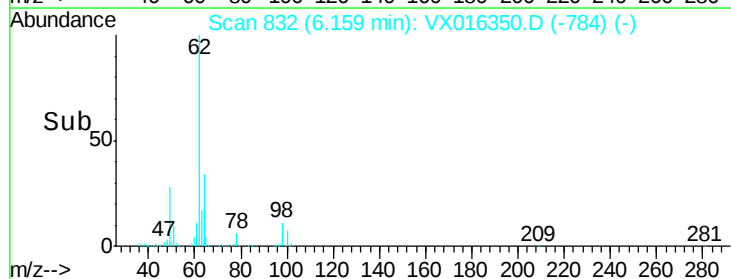
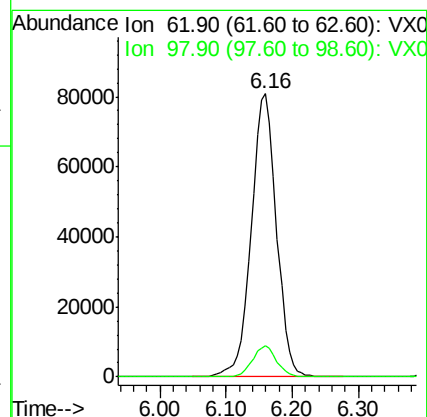
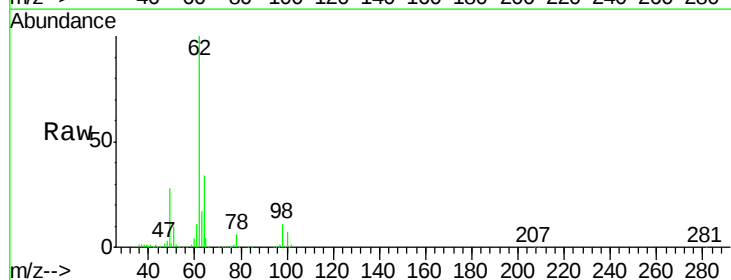
Manual Integrations
APPROVED

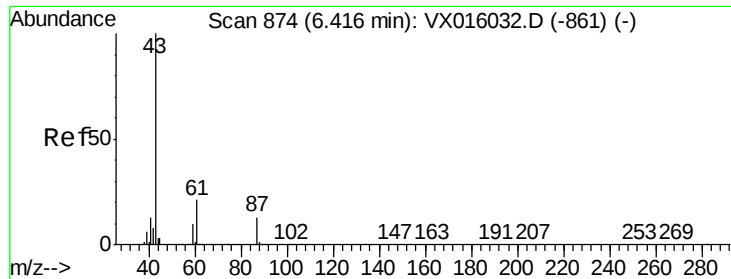
MMDadoda
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#42
1,2-Dichloroethane
Concen: 52.208 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		214353		
98	10.5	0.0	19.4		





#43

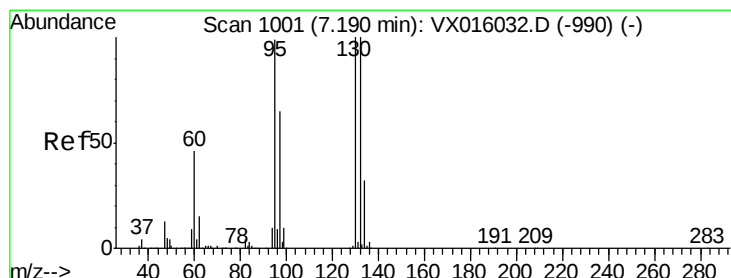
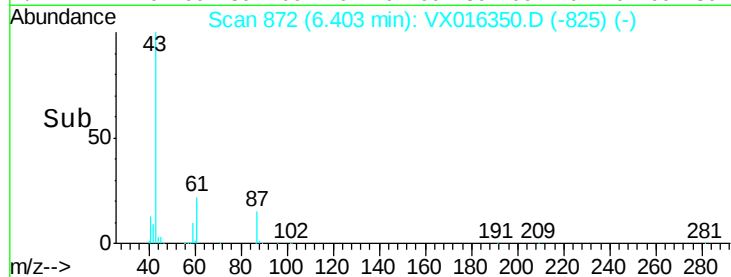
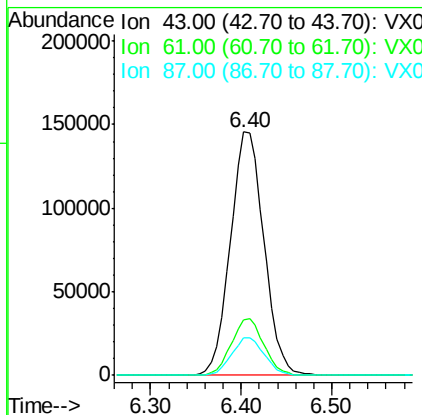
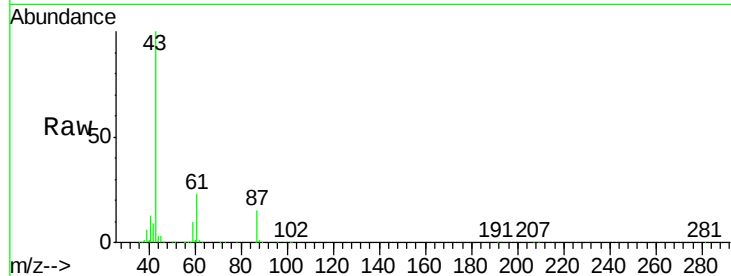
Isopropyl Acetate
 Concen: 51.611 ug/l
 RT: 6.40 min Scan# 872
 Delta R.T. -0.01 min
 Lab File: VX016350.D
 Acq: 20 May 2020 10:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.8	17.0	25.4
87	15.2	11.0	16.6

Manual Integrations
 APPROVED

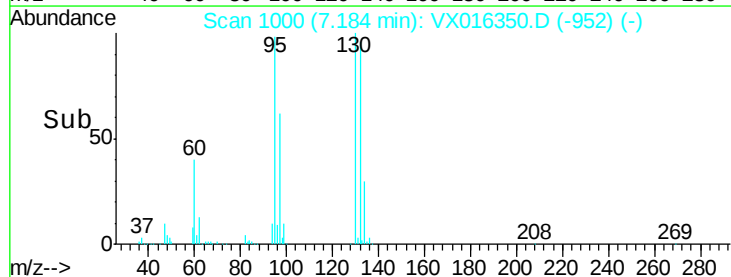
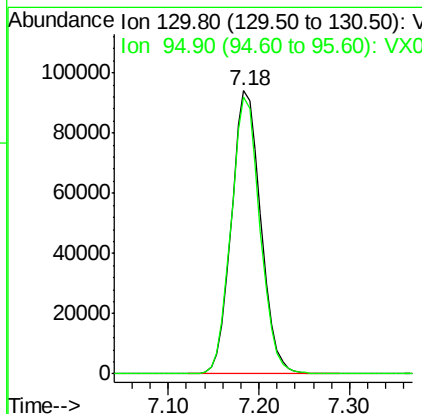
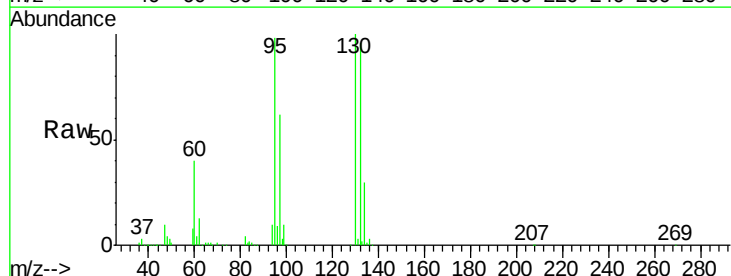
MMDadoda
 5/21/2020 1:15:17 PM



#44

Trichloroethene
 Concen: 52.017 ug/l
 RT: 7.18 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: VX016350.D
 Acq: 20 May 2020 10:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	197.4





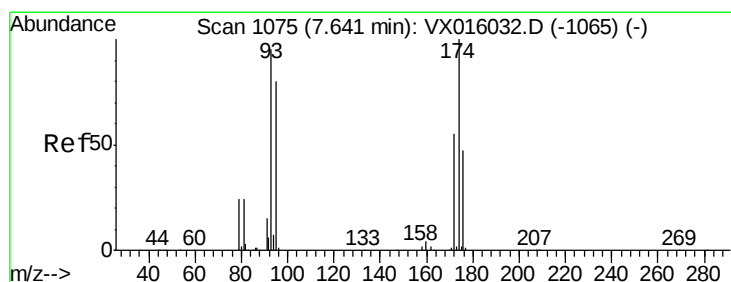
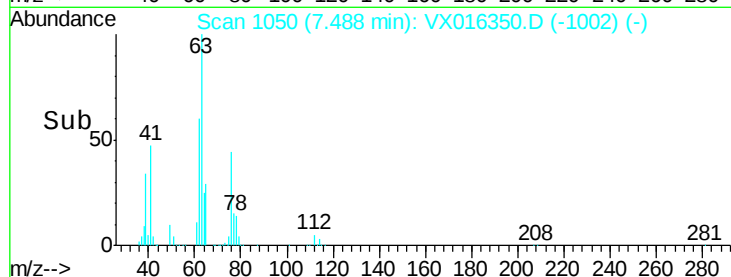
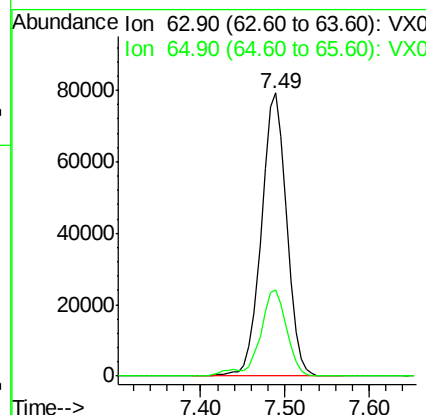
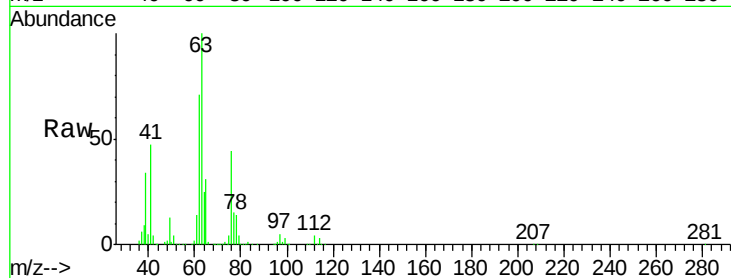
#45
 1,2-Dichloropropane
 Concen: 56.485 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VX016350.D
 Acq: 20 May 2020 10:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.4	36.6

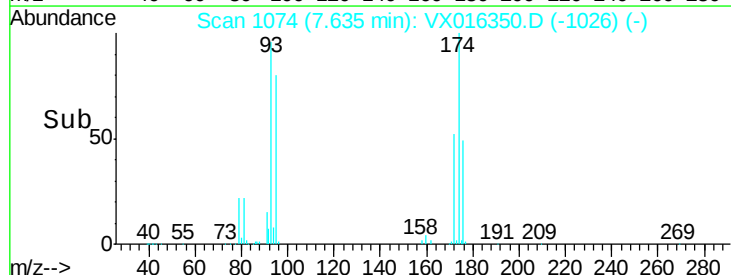
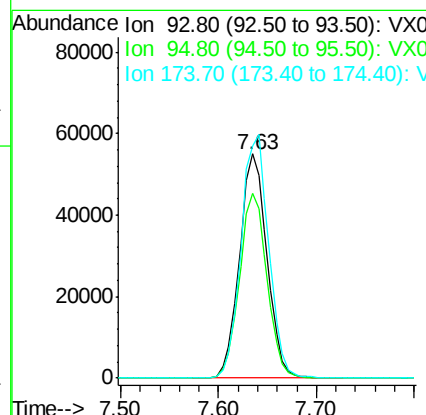
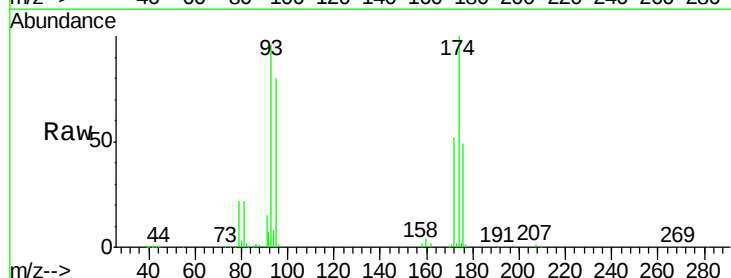
Manual Integrations
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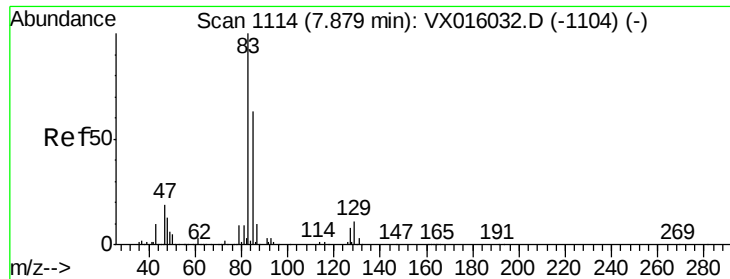
MMDadoda
 5/21/2020 1:15:17 PM



#46
 Dibromomethane
 Concen: 54.689 ug/l
 RT: 7.63 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: VX016350.D
 Acq: 20 May 2020 10:48

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.6	100.0
174	109.4	84.2	126.4





#47

Bromodichloromethane

Concen: 57.053 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

Instrument :

MSVOA_X

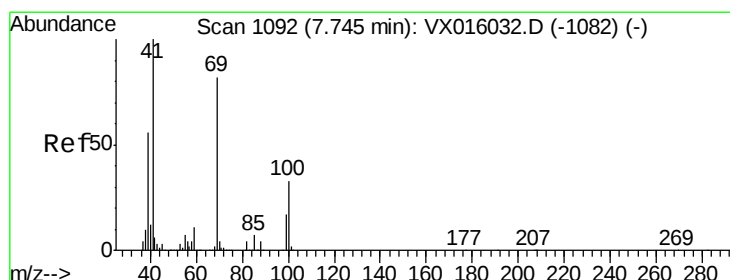
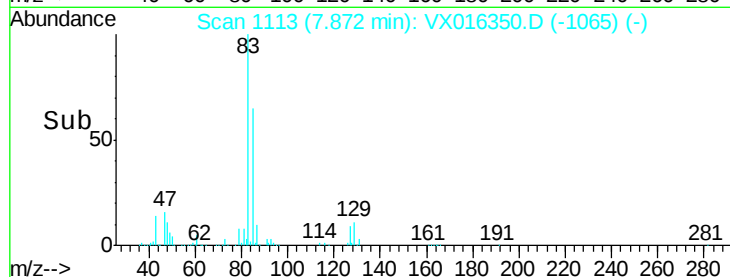
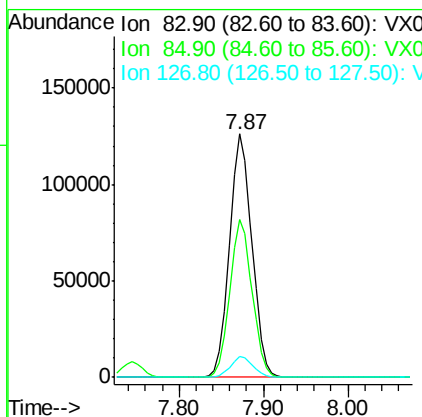
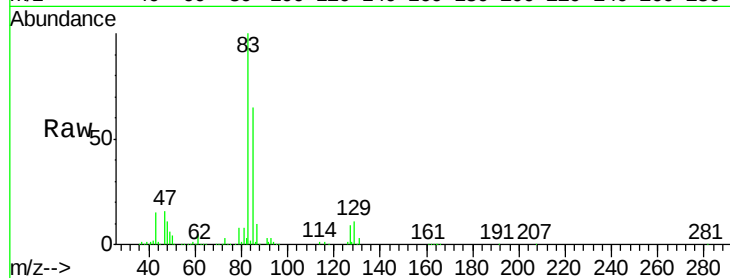
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	227730
Ion Ratio	Lower	Upper	
83	100		
85	64.8	50.5	75.7
127	8.7	6.7	10.1

Manual Integrations
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5/21/2020 1:15:17 PM



#48

Methyl methacrylate

Concen: 51.658 ug/l

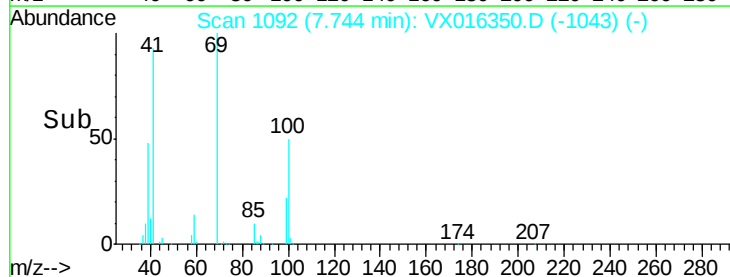
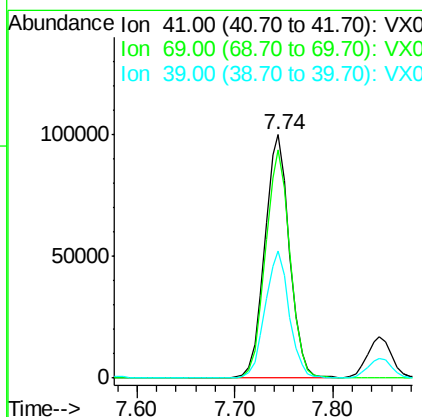
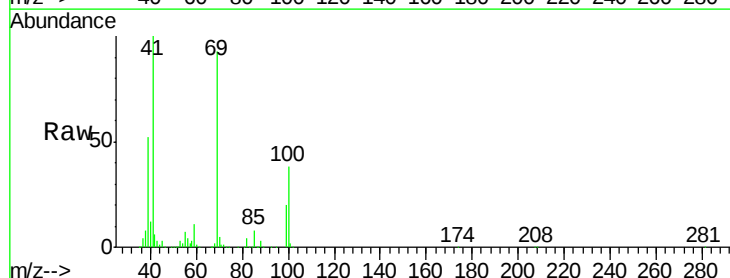
RT: 7.74 min Scan# 1092

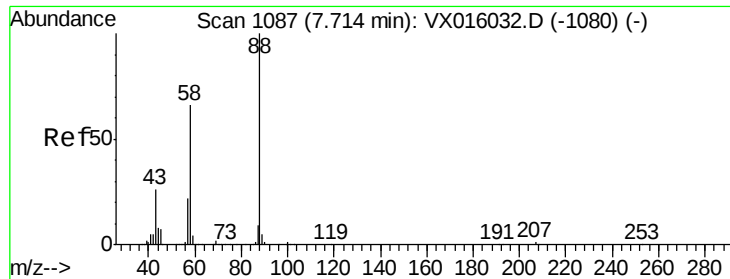
Delta R.T. -0.00 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

Tgt Ion:	41	Resp:	176325
Ion Ratio	Lower	Upper	
41	100		
69	93.0	67.8	101.6
39	51.3	44.6	67.0





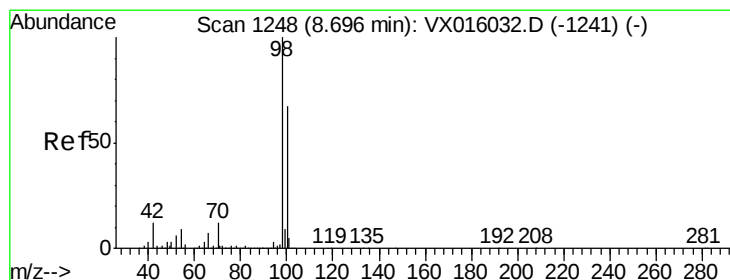
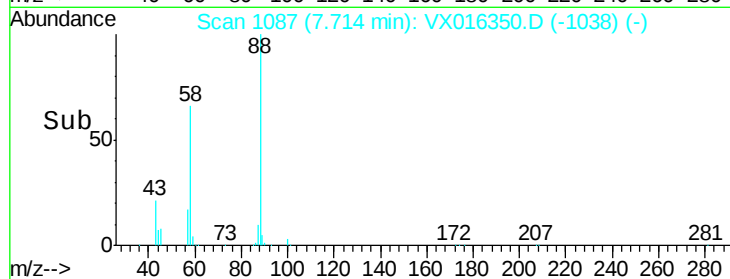
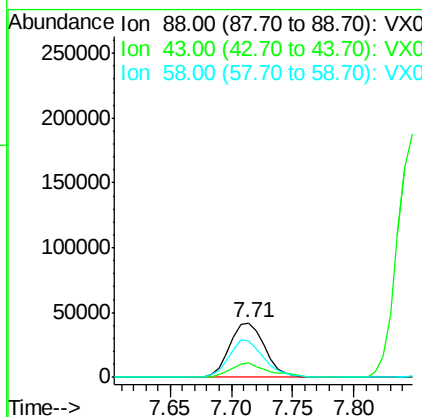
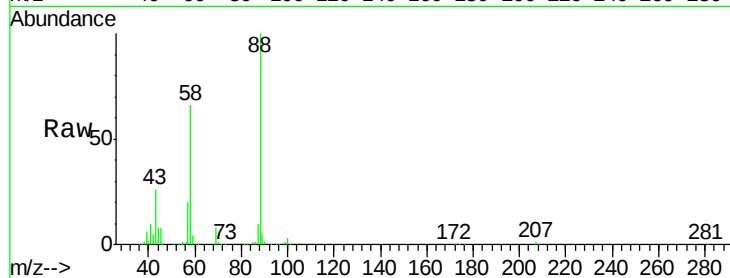
#49
1,4-Dioxane
Concen: 1020.360 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.6	25.3	37.9
58	68.8	55.9	83.9

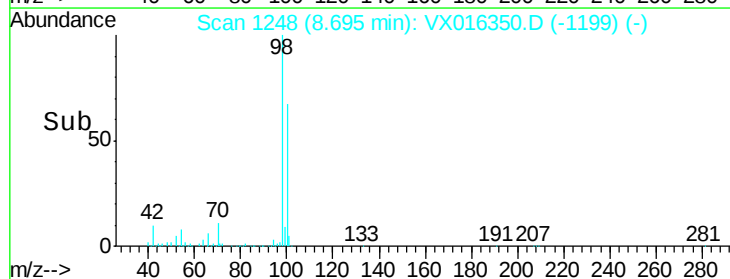
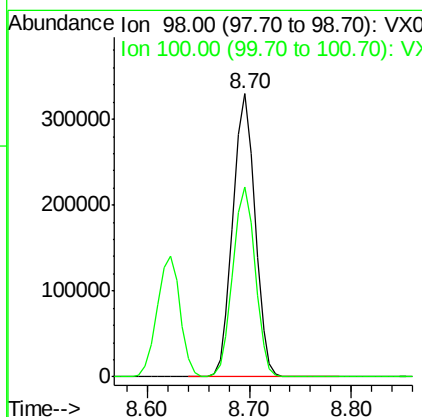
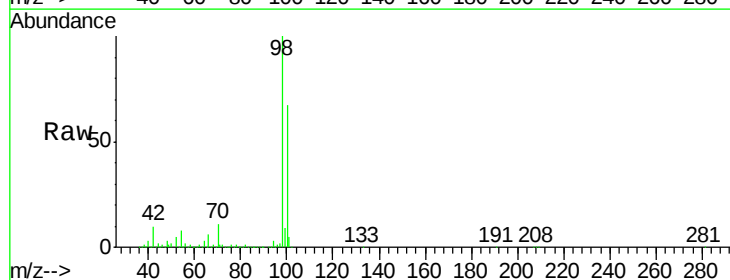
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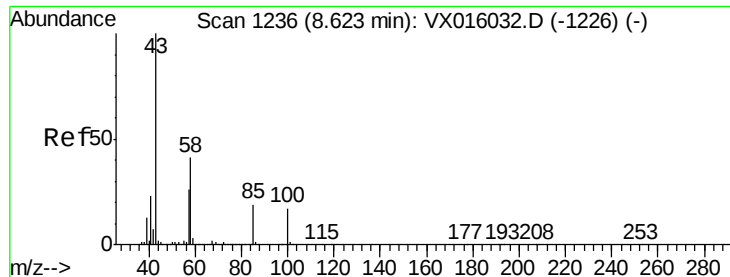
MMDadoda
5/21/2020 1:15:17 PM



#50
Toluene-d8
Concen: 51.286 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 265.472 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1170225

Ion Ratio Lower Upper

43 100

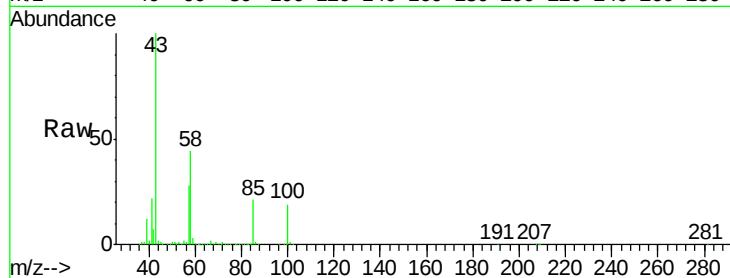
58 43.6 33.0 49.4

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

800000

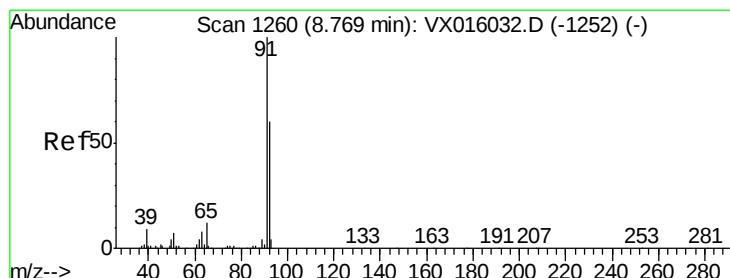
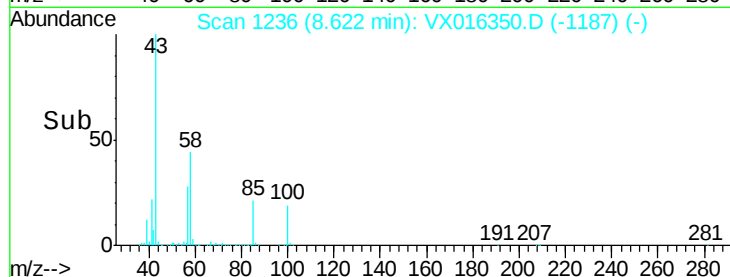
600000

400000

200000

0

Time--> 8.50 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 57.143 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX016350.D

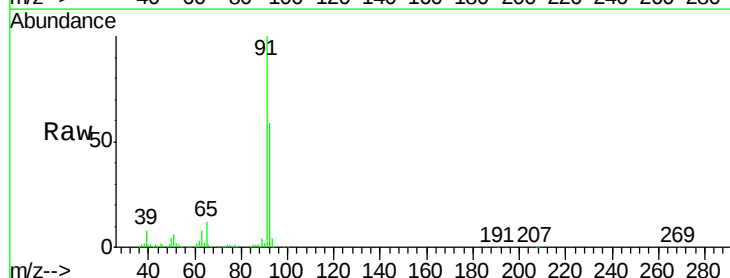
Acq: 20 May 2020 10:48

Tgt Ion: 92 Resp: 405954

Ion Ratio Lower Upper

92 100

91 166.4 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.76

500000

400000

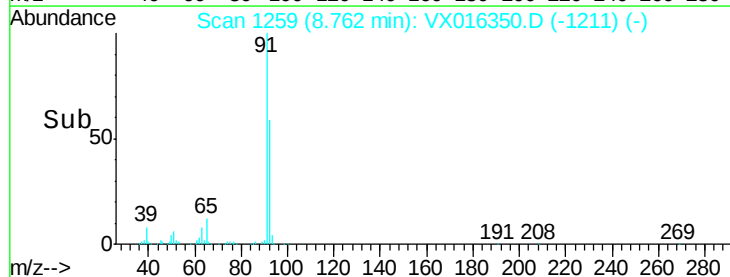
300000

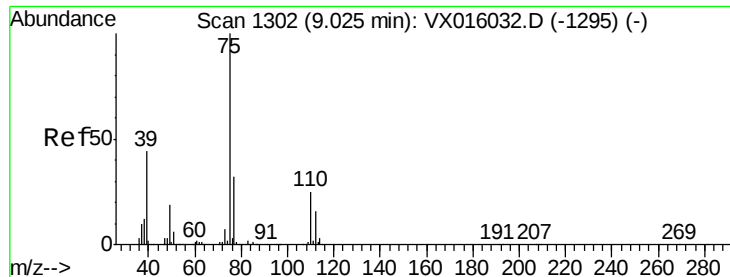
200000

100000

0

Time--> 8.65 8.70 8.75 8.80 8.85





#53

t-1,3-Dichloropropene

Concen: 55.310 ug/l

RT: 9.02 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

Tot Ion: 75 Resp: 263225

Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5

Instrument :

MSVOA_X

ClientSampleId :

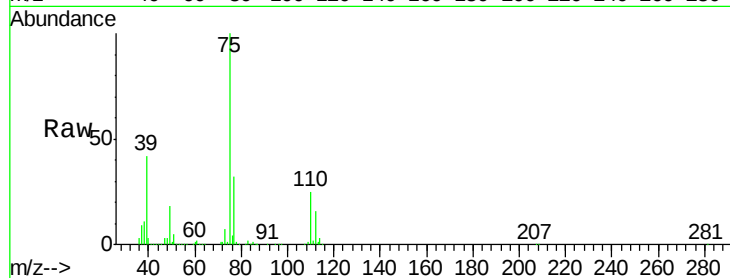
VSTDCCC050

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.02

200000

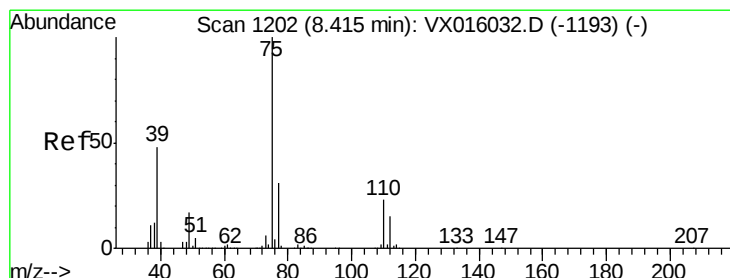
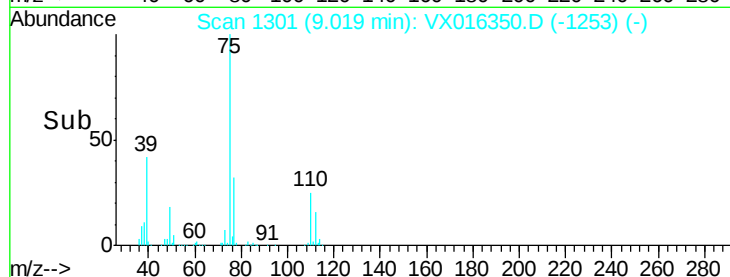
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 56.467 ug/l

RT: 8.41 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

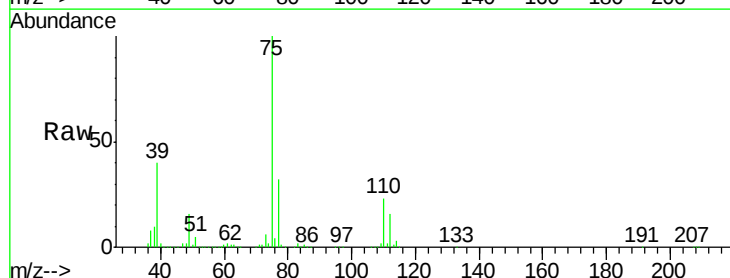
Tgt Ion: 75 Resp: 280694

Ion Ratio Lower Upper

75 100

77 31.6 24.7 37.1

39 39.5 38.7 58.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.41

200000

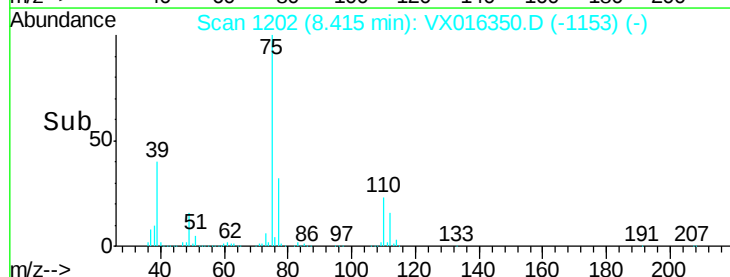
150000

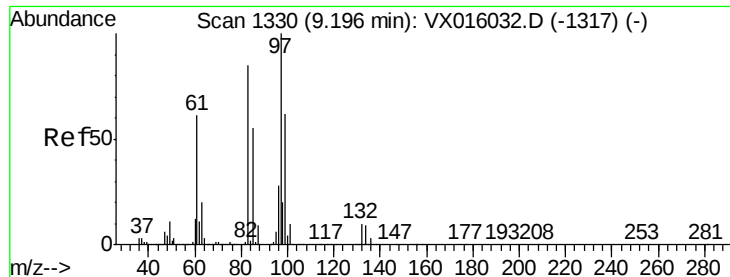
100000

50000

0

Time-->





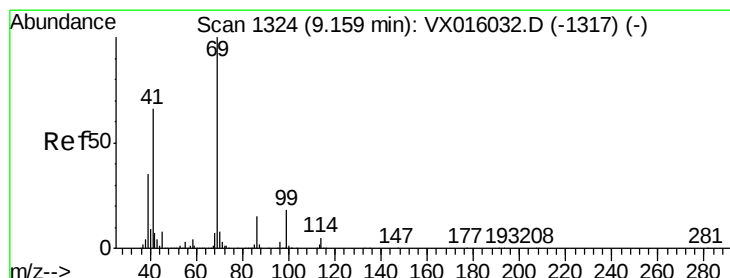
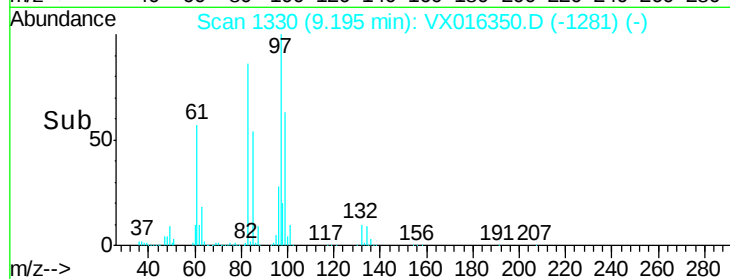
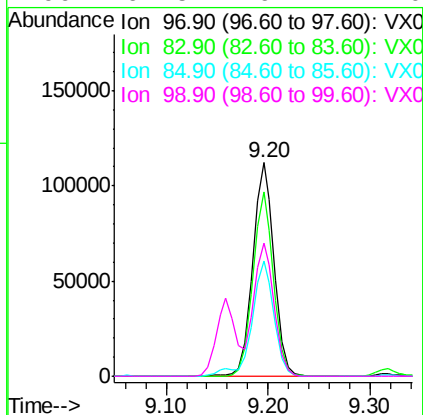
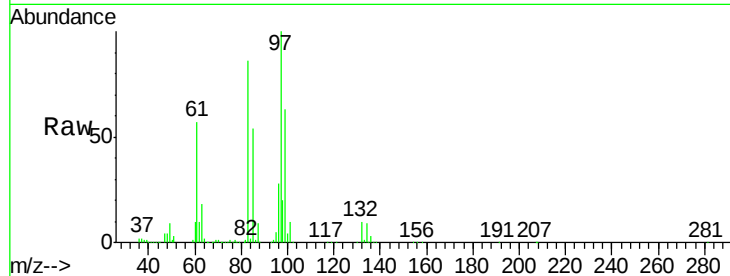
#55
 1,1,2-Trichloroethane
 Concen: 58.724 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016350.D
 Acq: 20 May 2020 10:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		164138		
83	86.2	67.8	101.8		
85	54.0	43.8	65.8		
99	62.5	49.4	74.0		

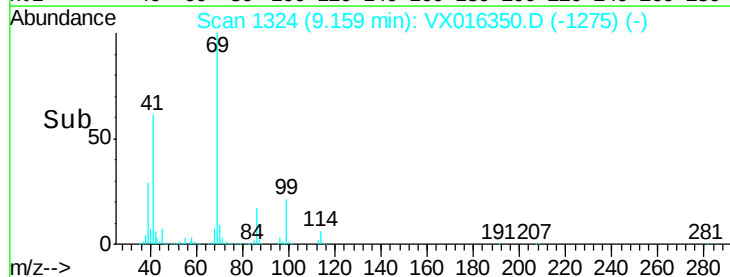
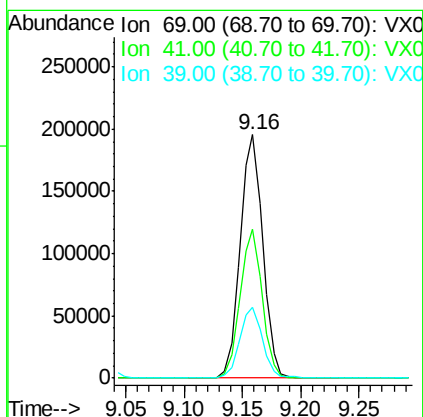
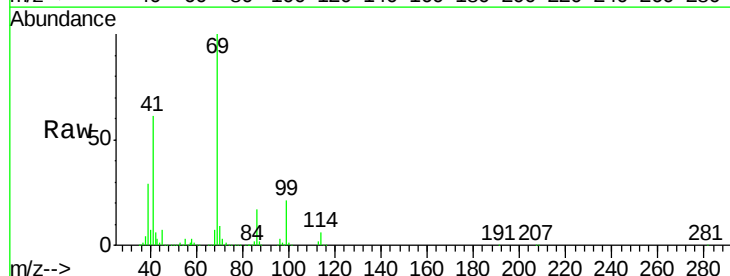
Manual Integrations
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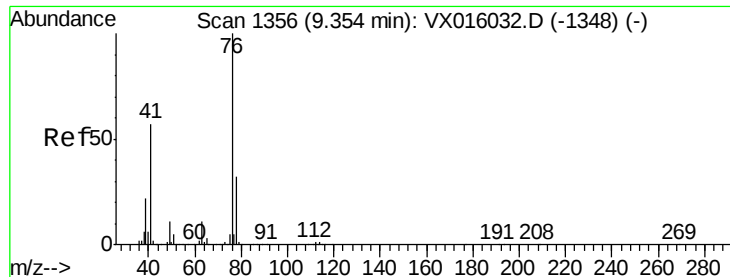
MMDadoda
 5/21/2020 1:15:17 PM



#56
 Ethyl methacrylate
 Concen: 57.996 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016350.D
 Acq: 20 May 2020 10:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		264603		
41	59.5	52.2	78.4		
39	29.6	28.2	42.4		





#57

1,3-Dichloropropane

Concen: 57.232 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 279124

Ion Ratio Lower Upper

76 100

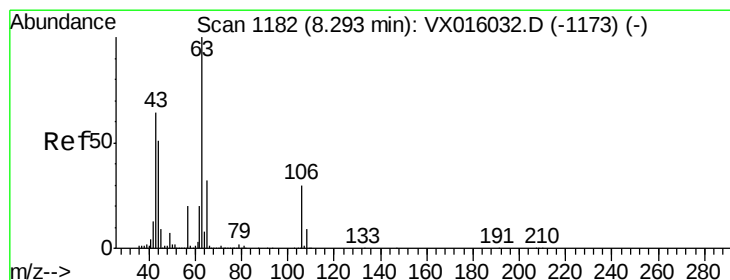
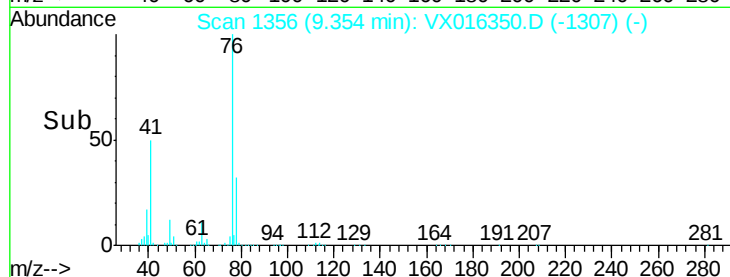
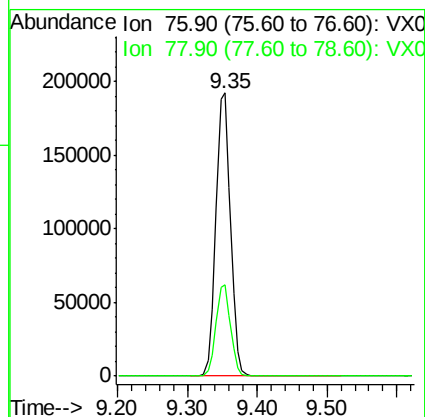
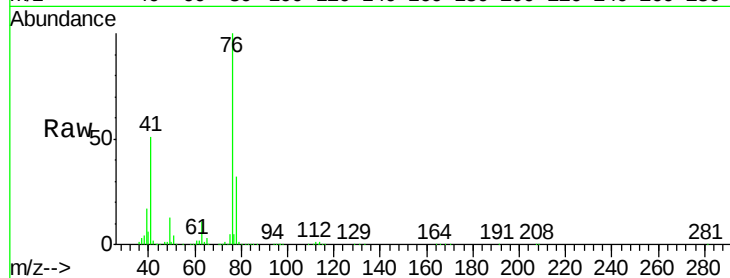
78 32.2 25.9 38.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 268.111 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VX016350.D

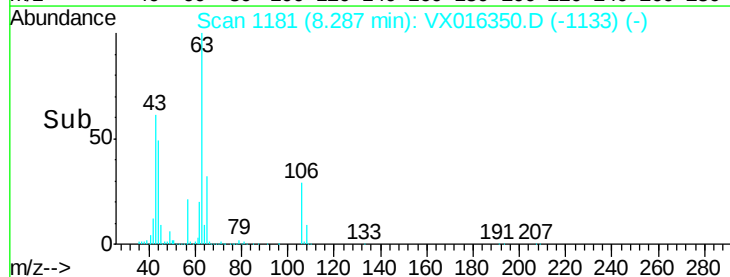
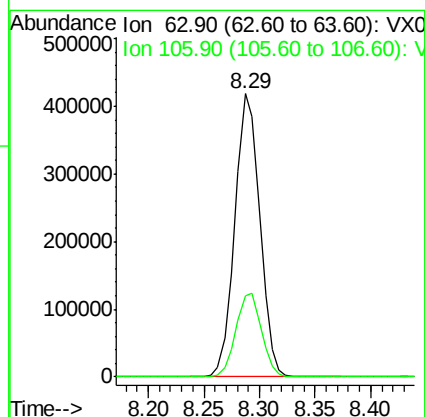
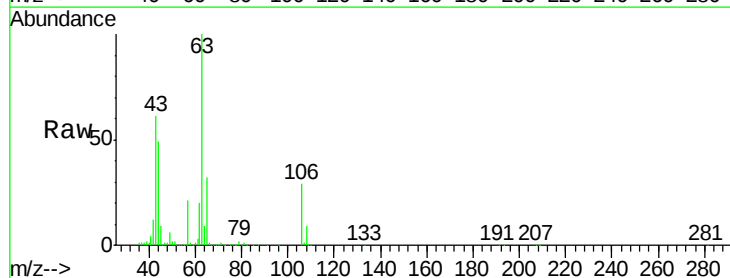
Acq: 20 May 2020 10:48

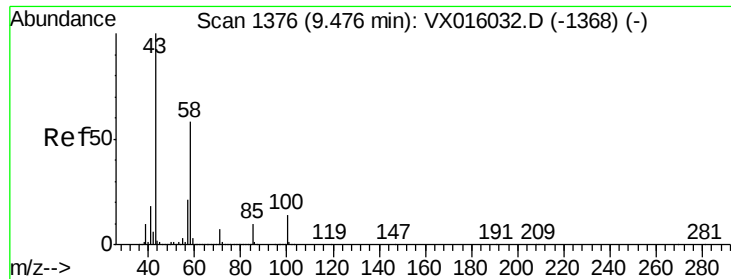
Tgt Ion: 63 Resp: 651220

Ion Ratio Lower Upper

63 100

106 30.4 23.4 35.2





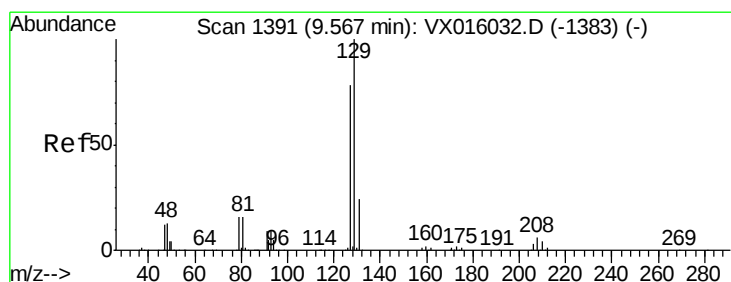
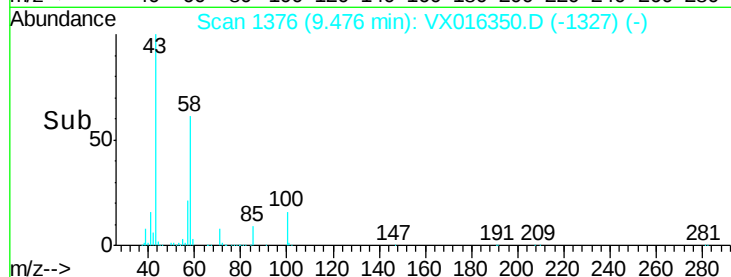
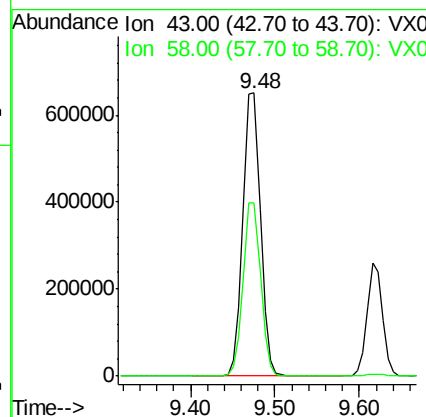
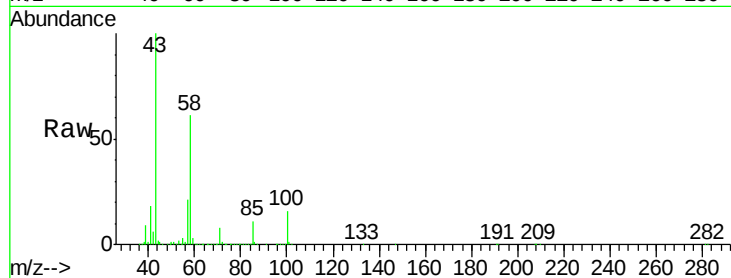
#59
2-Hexanone
Concen: 264.035 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	61.0	28.6	85.9

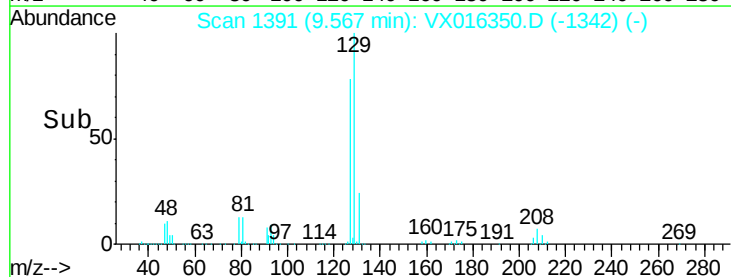
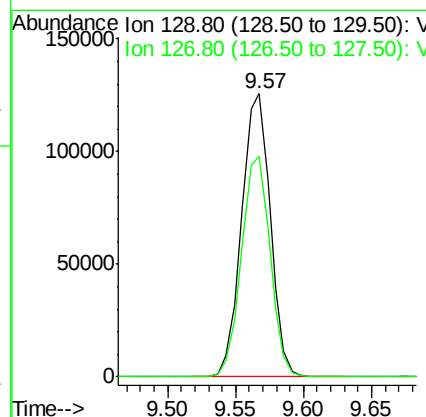
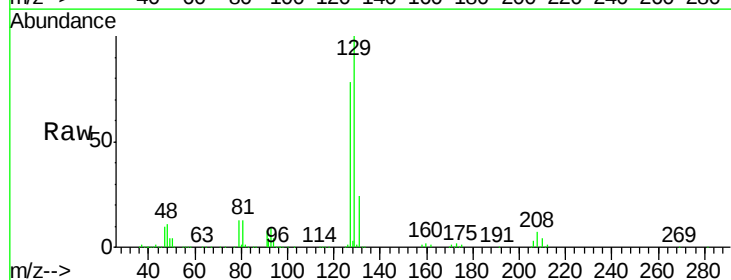
Manual Integrations
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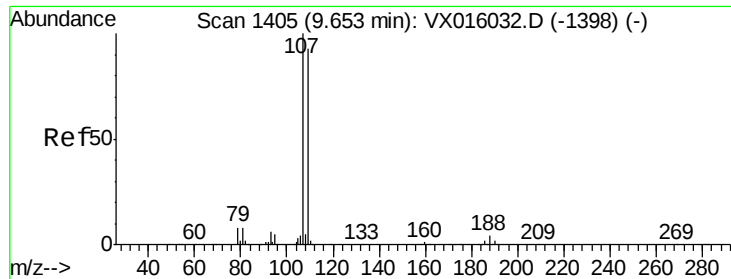
MMDadoda
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#60
Dibromochloromethane
Concen: 60.225 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.2





#61

1,2-Dibromoethane

Concen: 57.474 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 174004

Ion Ratio Lower Upper

107 100

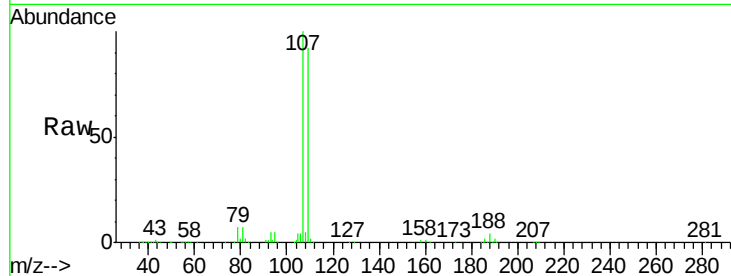
109 94.2 74.9 112.3

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

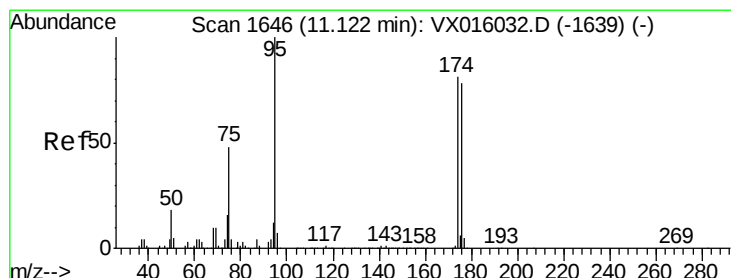
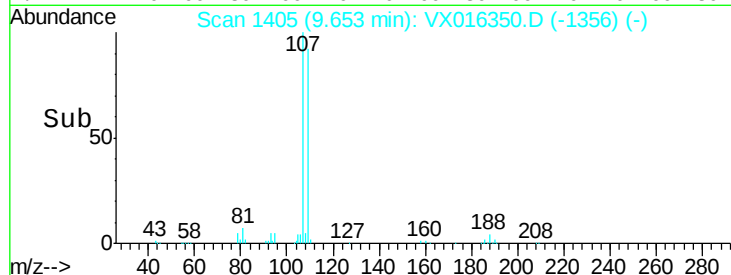
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.028 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

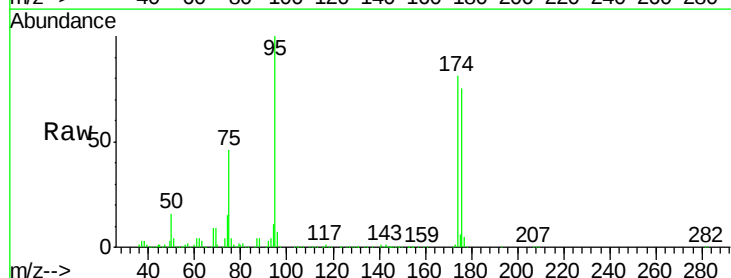
Tgt Ion: 95 Resp: 194834

Ion Ratio Lower Upper

95 100

174 81.5 0.0 159.4

176 78.5 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

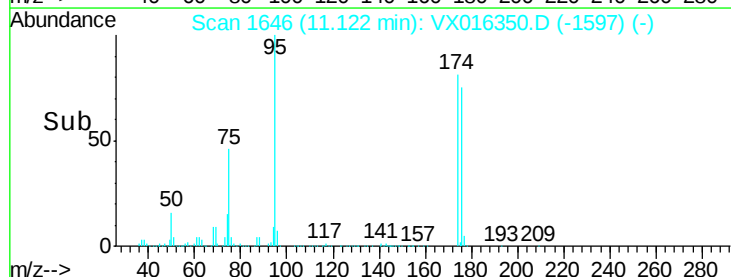
150000

100000

50000

0

Time-->





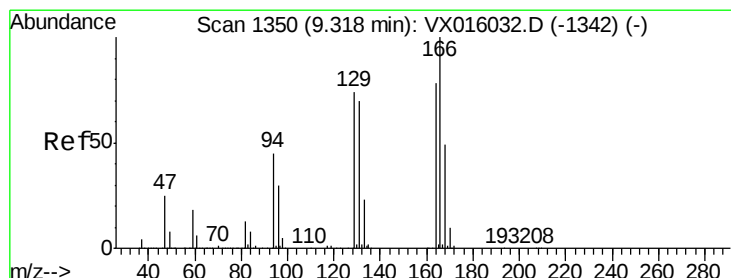
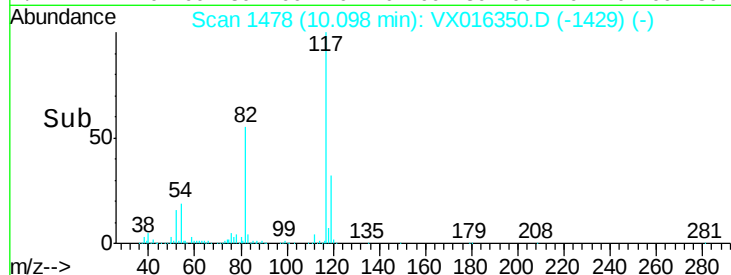
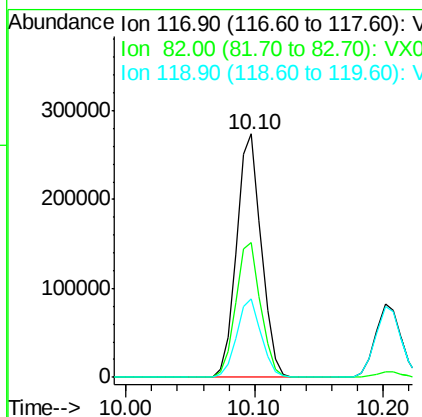
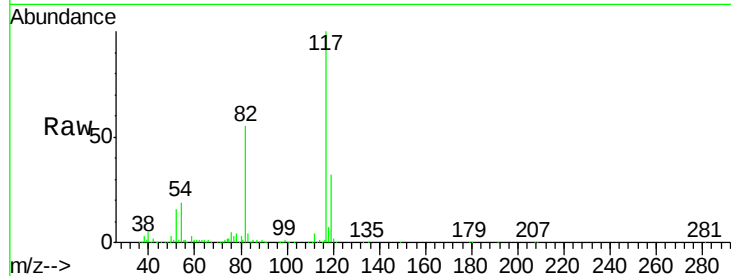
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	364176		
82	55.2	44.4	66.6	
119	32.3	25.5	38.3	

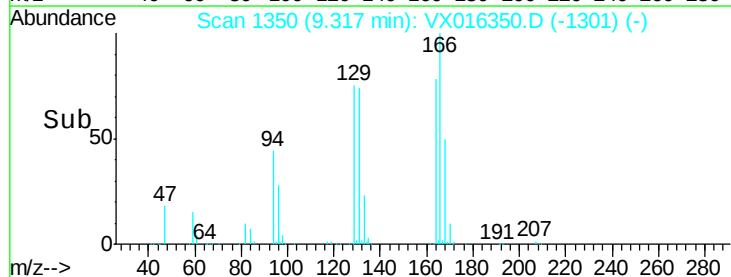
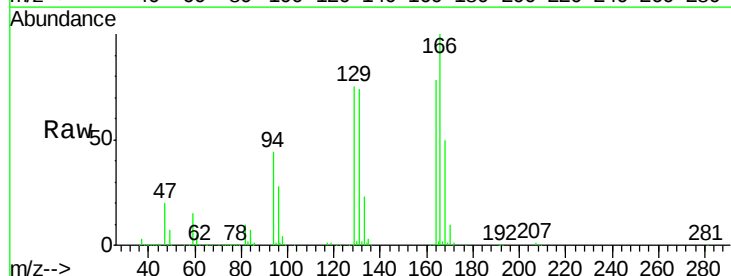
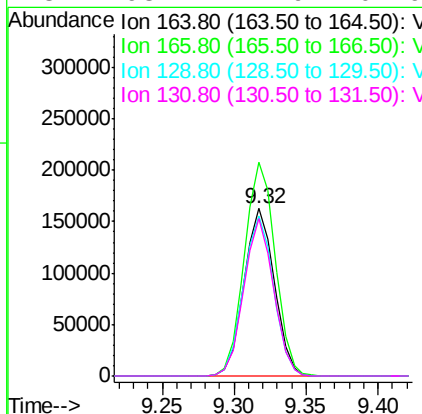
Manual Integrations
APPROVED

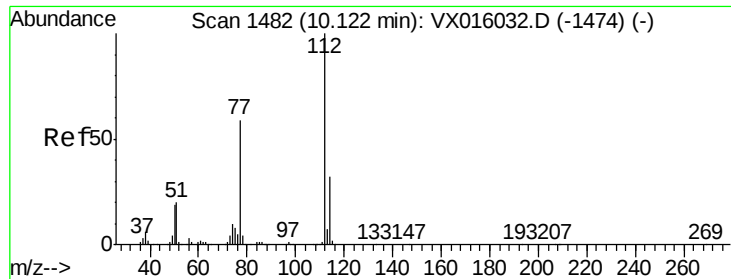
MMDadoda
5/21/2020 1:15:17 PM



#64
Tetrachloroethene
Concen: 53.043 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	237140		
166	127.4	102.9	154.3	
129	95.7	76.1	114.1	
131	93.7	71.9	107.9	





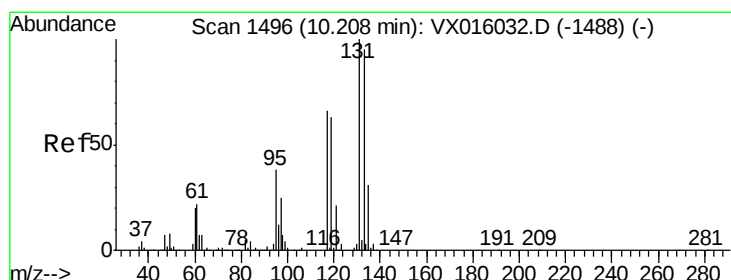
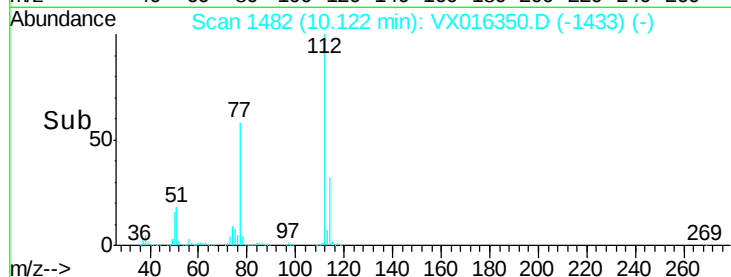
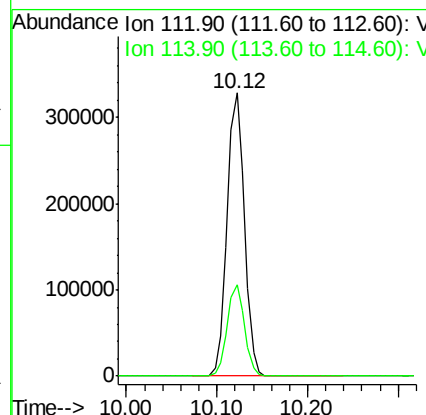
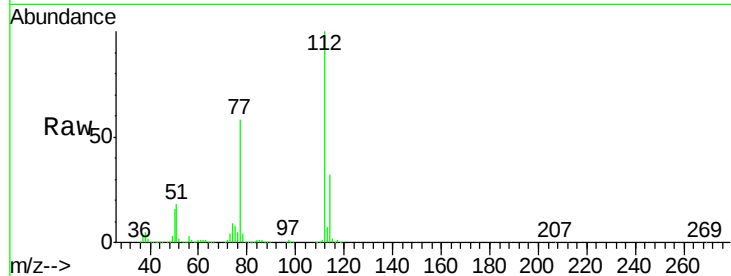
#65
Chlorobenzene
Concen: 57.402 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 437716
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5

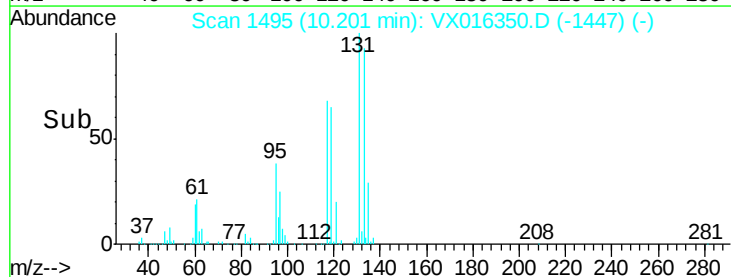
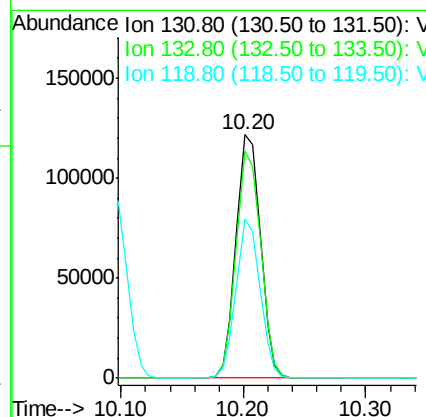
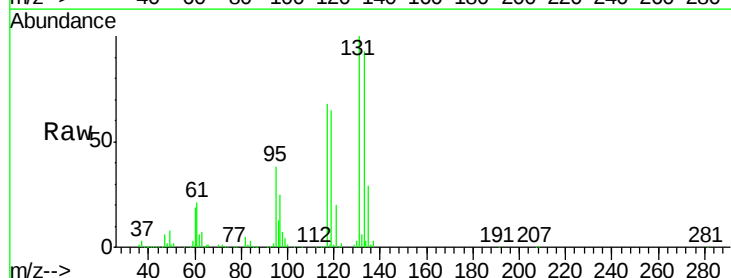
Manual Integrations
APPROVED

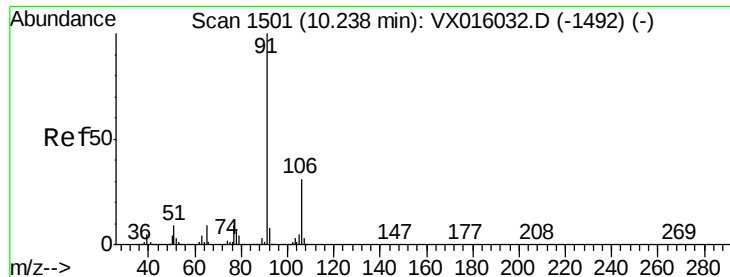
MMDadoda
5/21/2020 1:15:17 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 59.965 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. -0.01 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Tgt Ion:131 Resp: 169009
Ion Ratio Lower Upper
131 100
133 94.1 48.3 144.8
119 64.0 32.3 96.9





#67

Ethyl Benzene

Concen: 56.434 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 767830

Ion Ratio Lower Upper

91 100

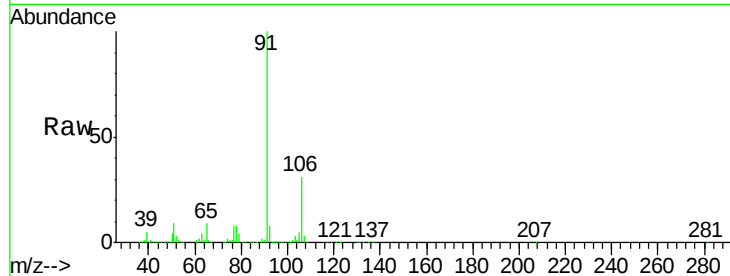
106 31.1 25.1 37.7

Manual Integrations

APPROVED

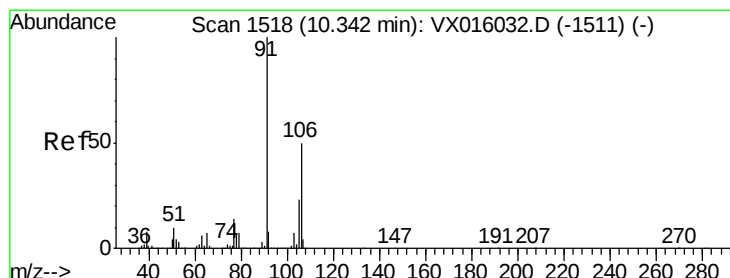
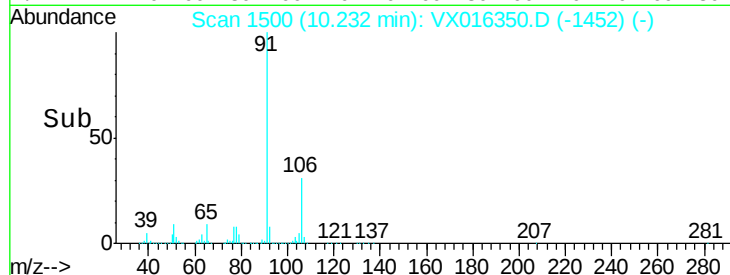
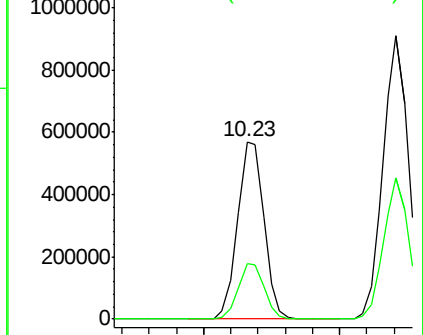
MMDadoda

5/21/2020 1:15:17 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 114.850 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016350.D

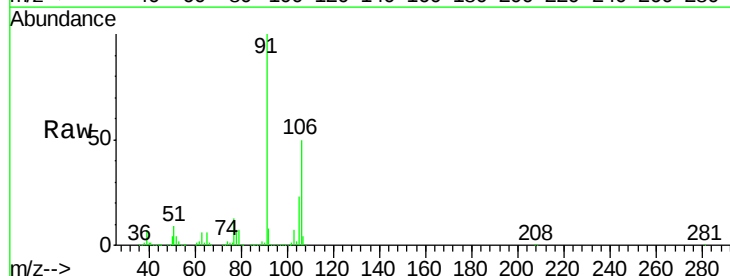
Acq: 20 May 2020 10:48

Tgt Ion: 106 Resp: 585453

Ion Ratio Lower Upper

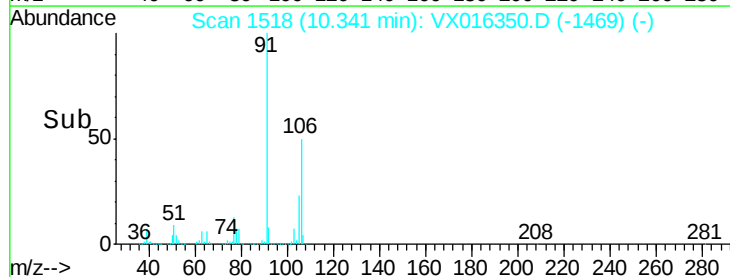
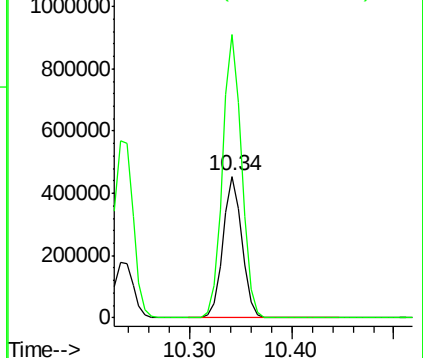
106 100

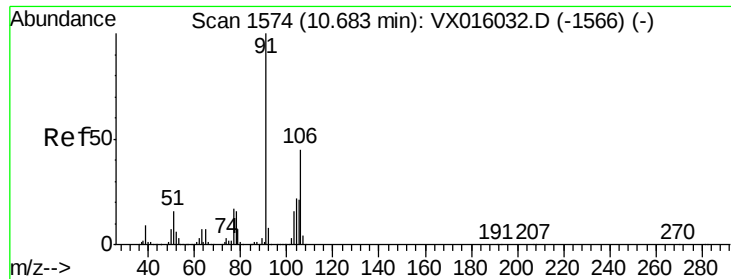
91 202.2 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





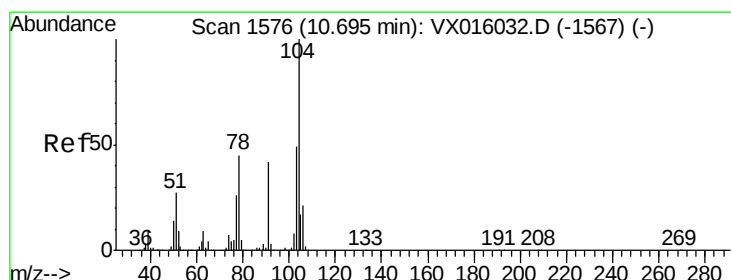
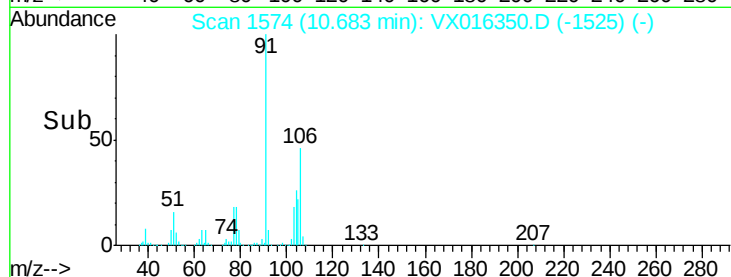
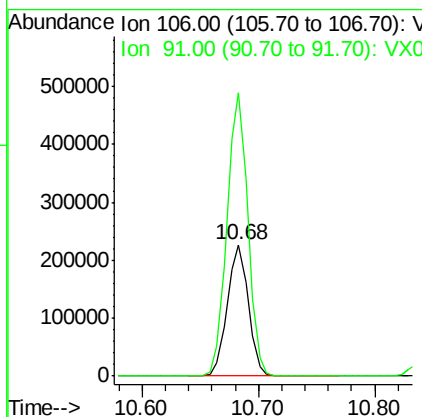
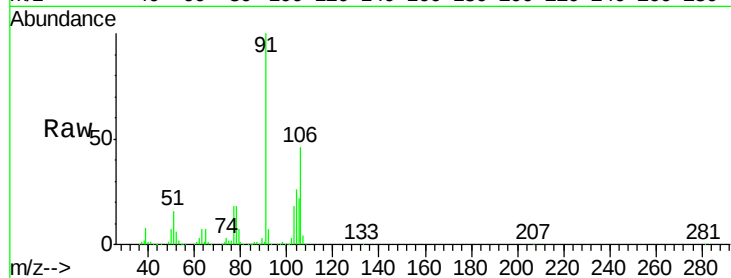
#69
o-Xylene
Concen: 57.873 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
283573	106	100		
	91	214.7	107.5	322.6

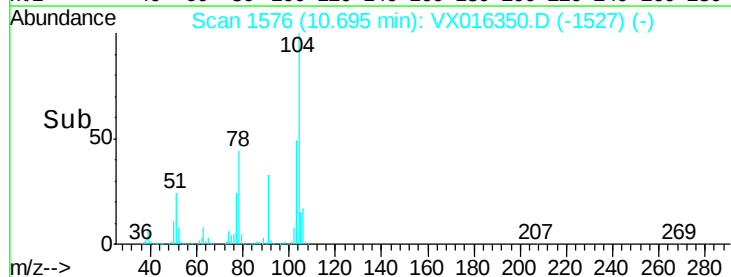
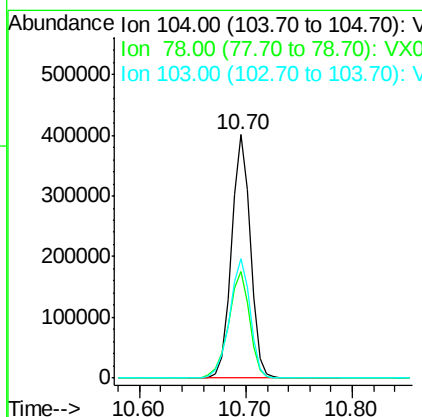
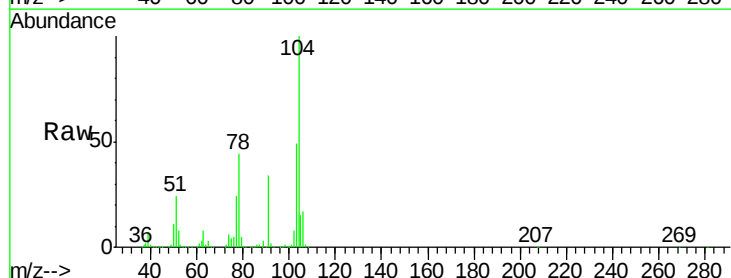
Manual Integrations
APPROVED

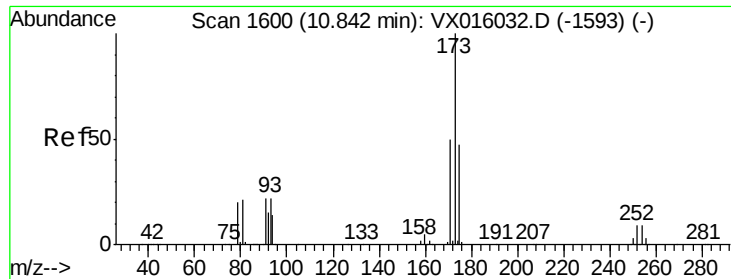
MMDadoda
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#70
Styrene
Concen: 60.005 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Tgt Ion	Ion	Ratio	Lower	Upper
498812	104	100		
	78	48.7	40.2	60.2
	103	53.9	43.0	64.6





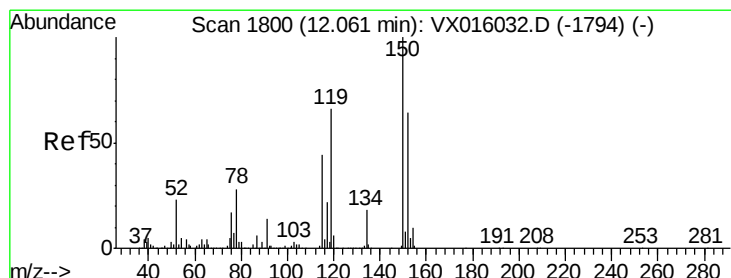
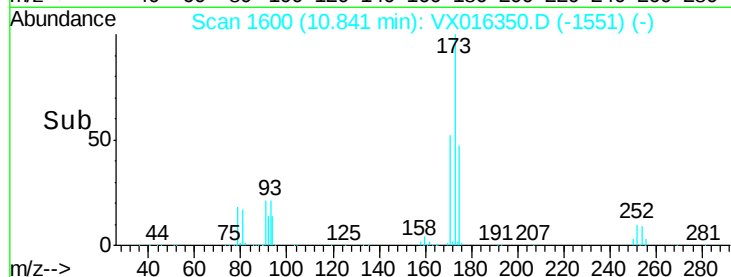
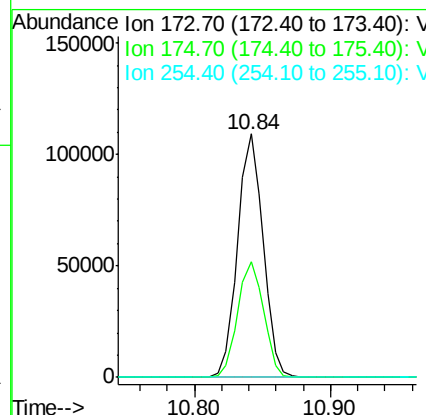
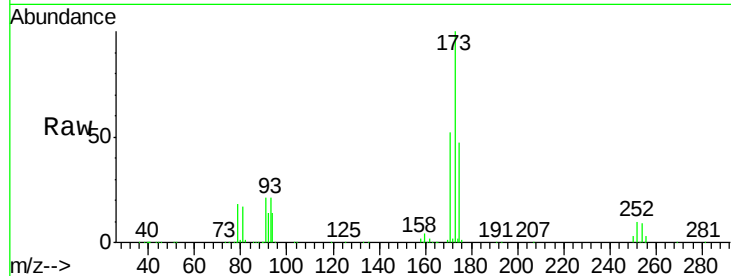
#71
Bromoform
Concen: 62.185 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.0	72.0
254	0.2	0.1	0.1

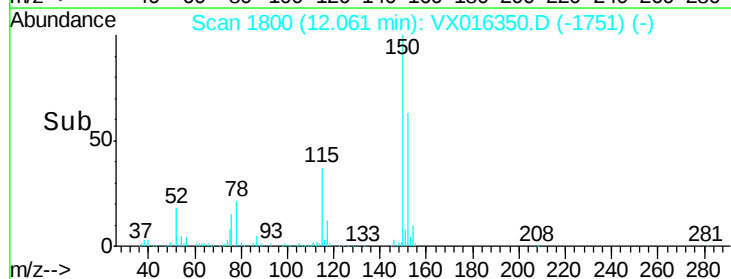
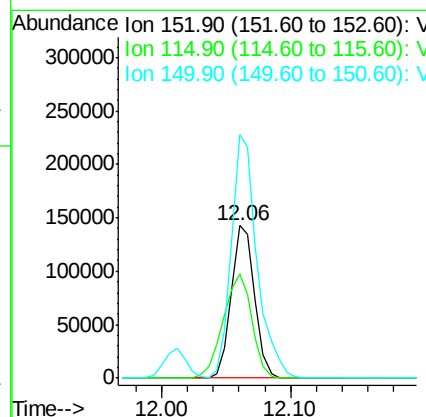
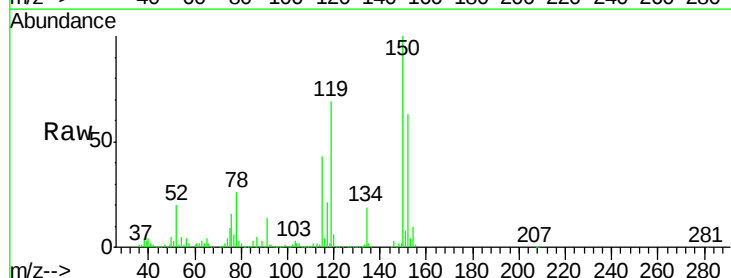
Manual Integrations
APPROVED

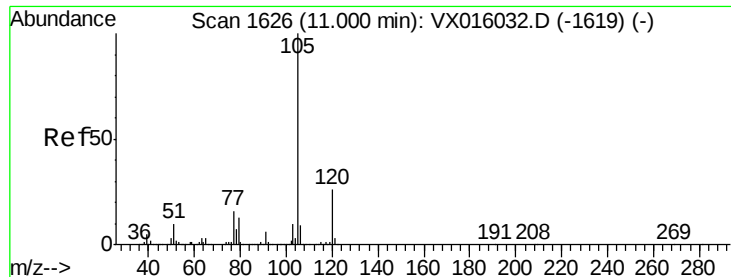
MMDadoda
5/21/2020 1:15:17 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	83.6	41.3	124.1
150	175.5	0.0	352.2





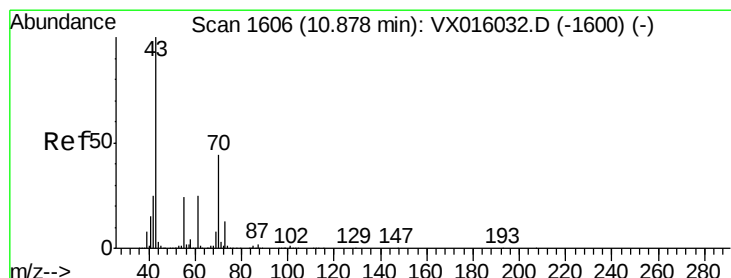
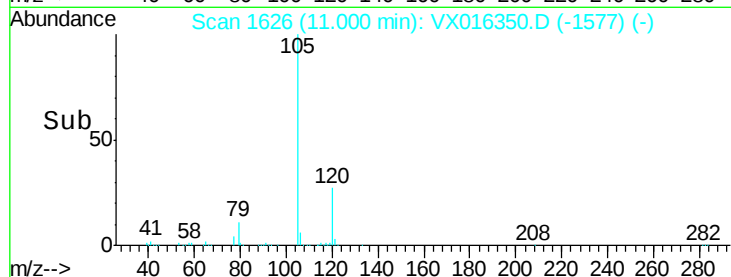
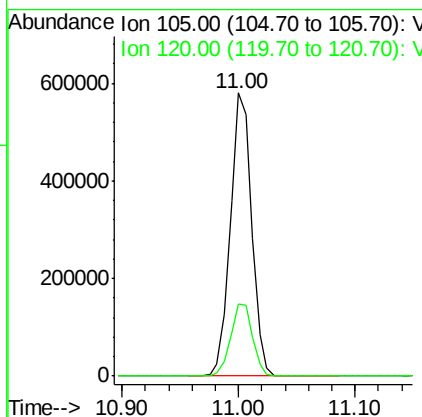
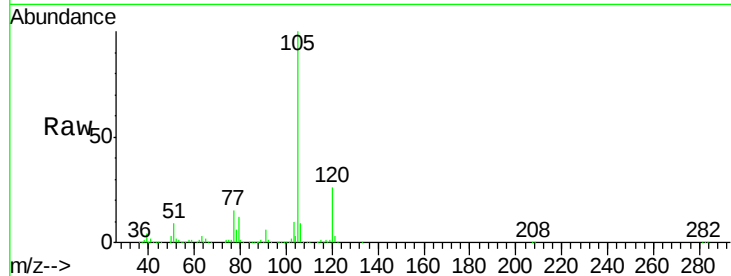
#73
Isopropylbenzene
Concen: 55.918 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.4	40.2

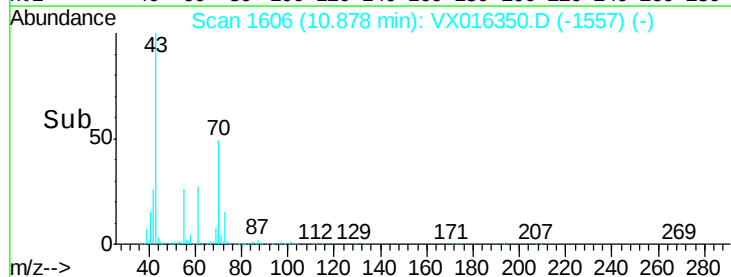
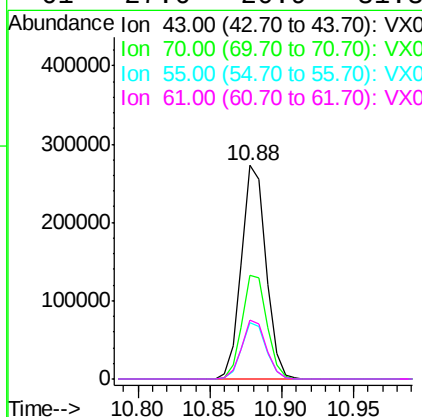
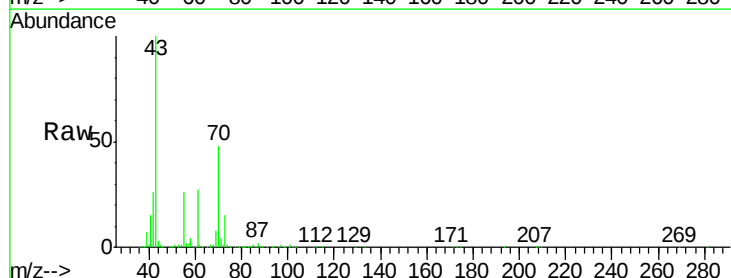
Manual Integrations
APPROVED

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5/21/2020 1:15:17 PM



#74
N-ethyl acetate
Concen: 52.557 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Tgt Ion	Ratio	Lower	Upper
43	100		
70	49.5	36.5	54.7
55	26.4	19.7	29.5
61	27.6	20.9	31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 64.072 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 171952

Ion Ratio Lower Upper

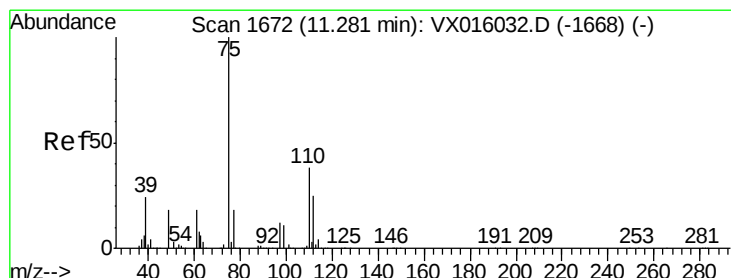
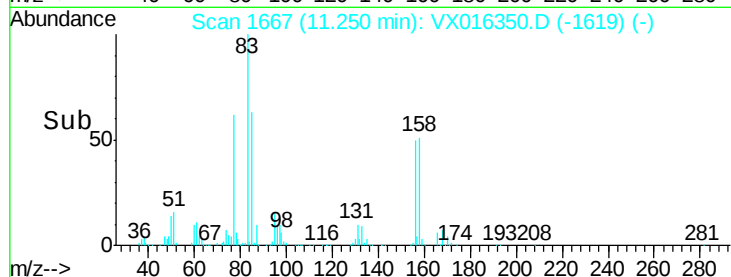
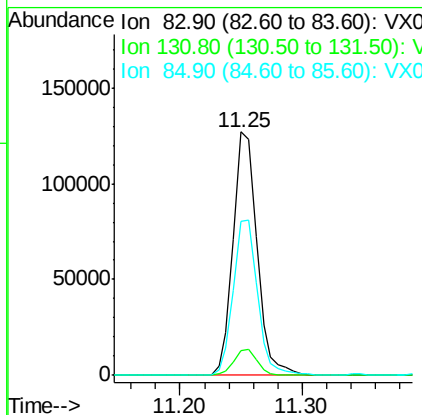
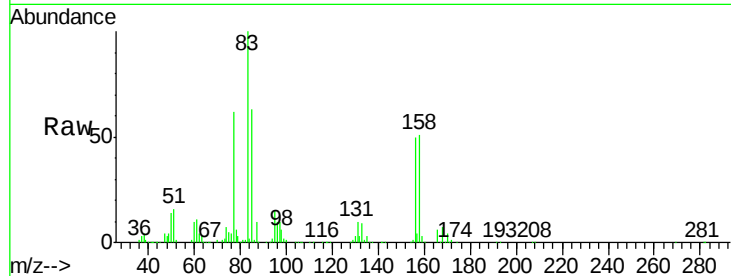
83 100

131 10.5 5.1 15.4

85 64.6 32.0 96.0

Manual Integrations
APPROVED

MMDadoda
5/21/2020 1:15:17 PM



#76

1,2,3-Trichloropropane

Concen: 56.957 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX016350.D

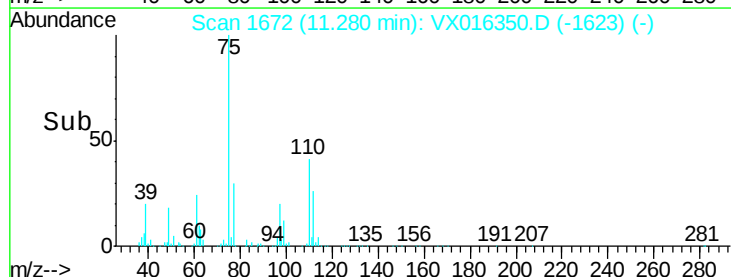
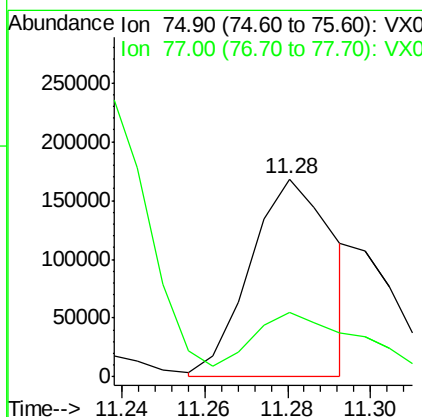
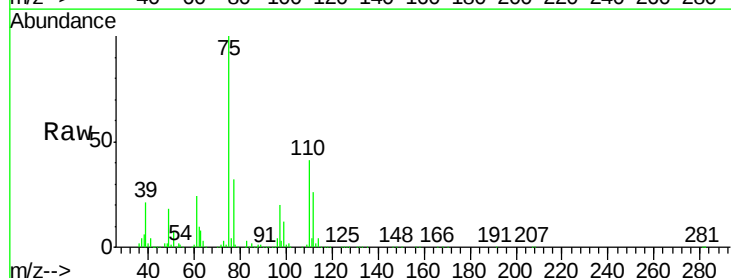
Acq: 20 May 2020 10:48

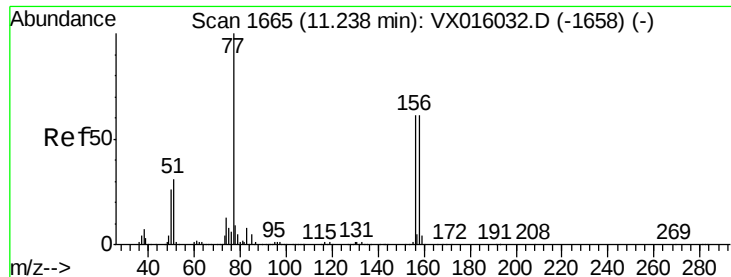
Tgt Ion: 75 Resp: 234465

Ion Ratio Lower Upper

75 100

77 43.0 21.2 63.6





#77

Bromobenzene

Concen: 55.560 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

Instrument :

MSVOA_X

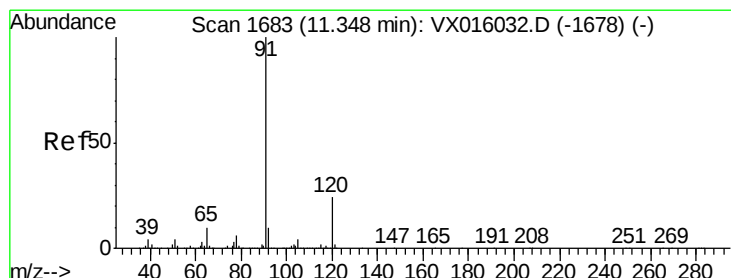
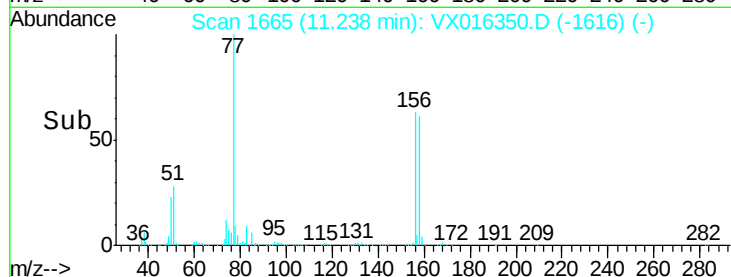
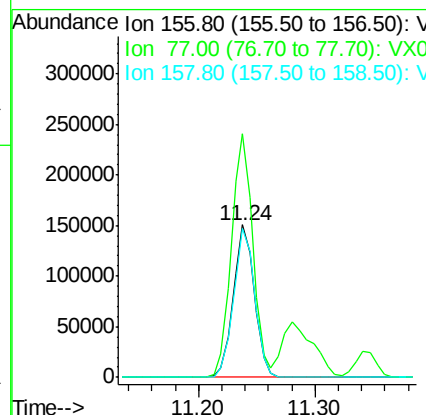
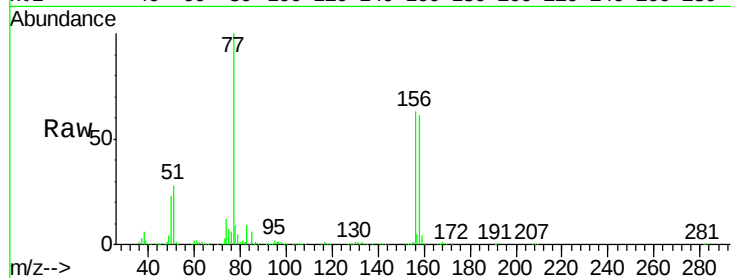
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	189221
Ion Ratio	Lower	Upper	
156	100		
77	161.7	80.1	240.3
158	98.0	49.4	148.2

Manual Integrations
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5/21/2020 1:15:17 PM



#78

n-propylbenzene

Concen: 54.632 ug/l

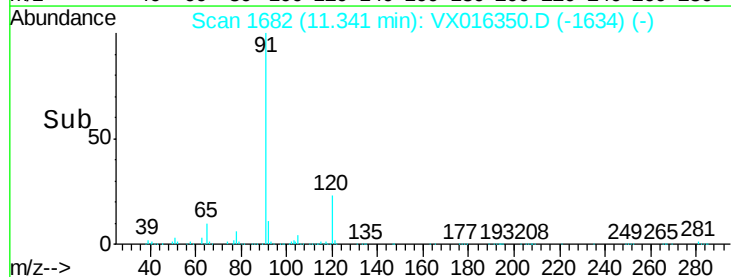
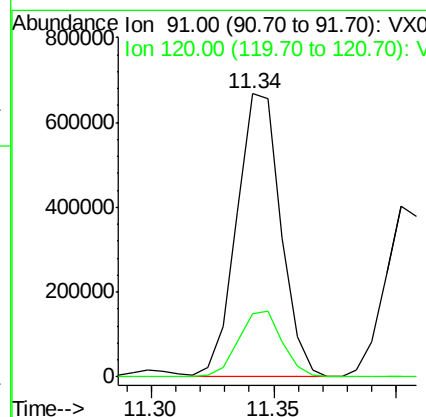
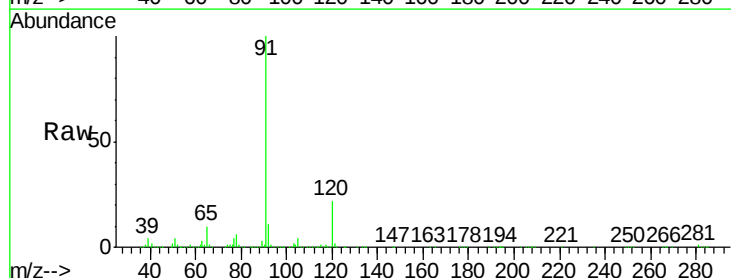
RT: 11.34 min Scan# 1682

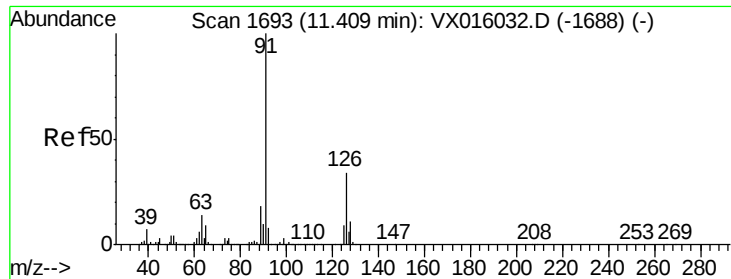
Delta R.T. -0.01 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

Tgt Ion:	91	Resp:	838597
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.5	34.5





#79

2-Chlorotoluene

Concen: 56.675 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.01 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 513503

Ion Ratio Lower Upper

91 100

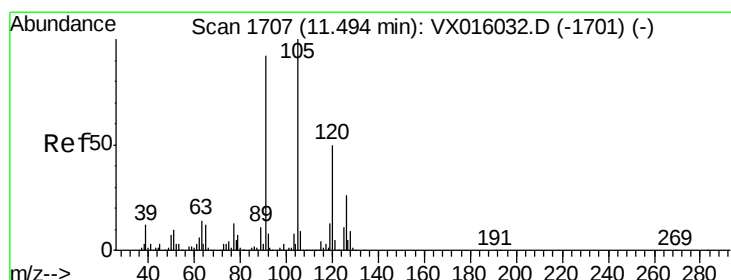
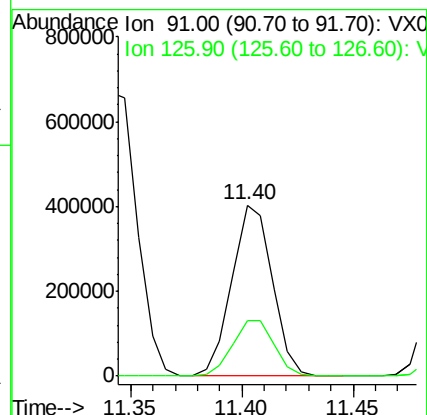
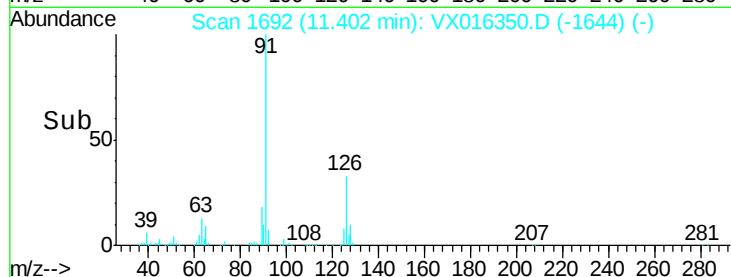
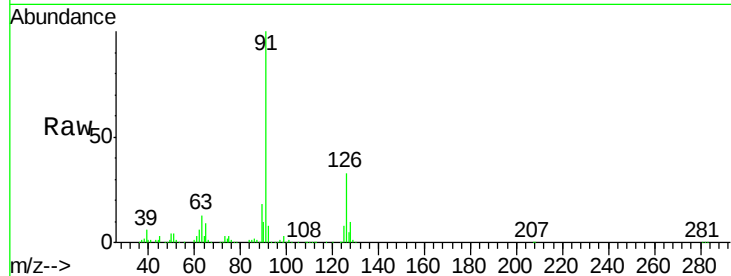
126 33.4 16.9 50.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 55.494 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016350.D

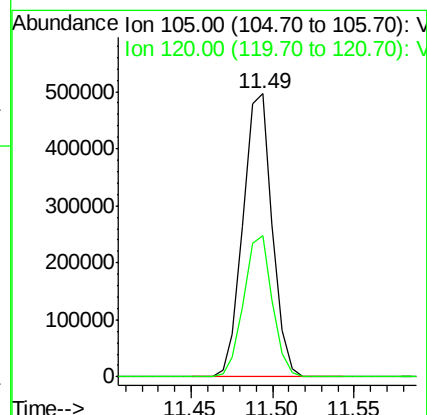
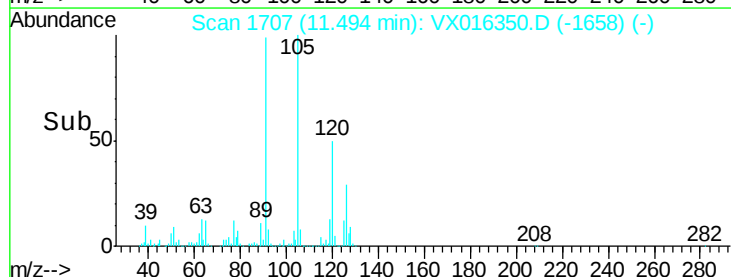
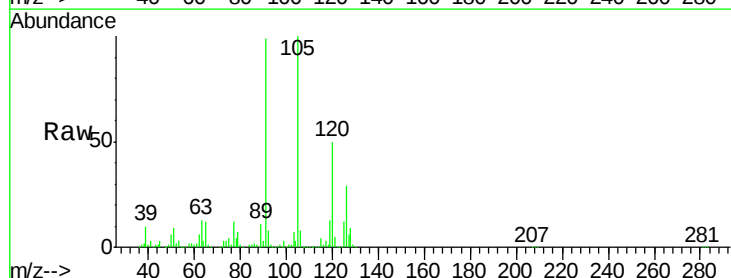
Acq: 20 May 2020 10:48

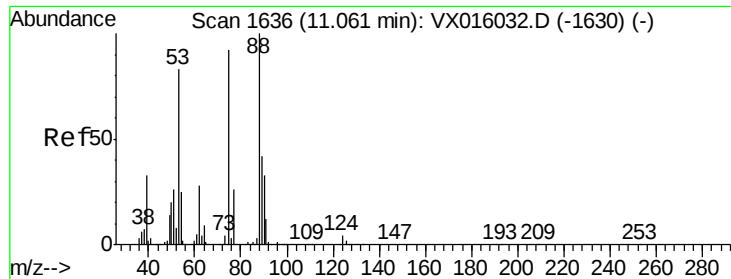
Tgt Ion: 105 Resp: 618226

Ion Ratio Lower Upper

105 100

120 49.2 24.6 74.0





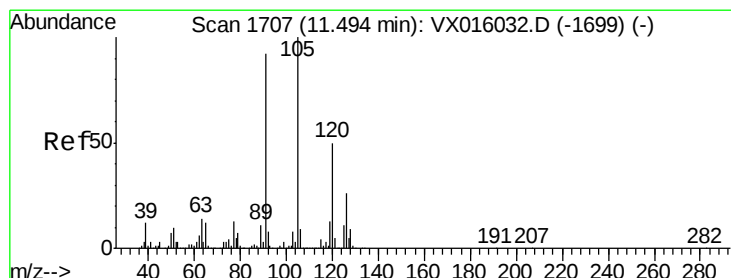
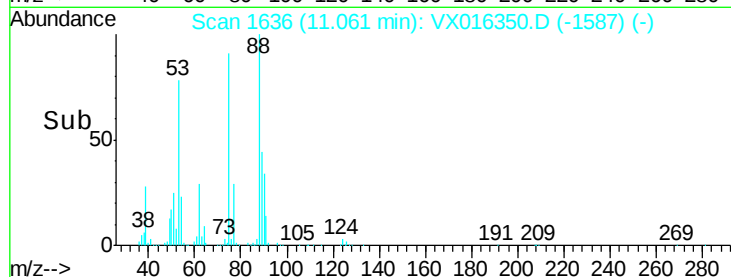
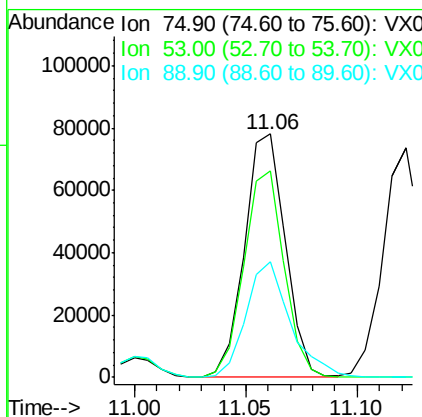
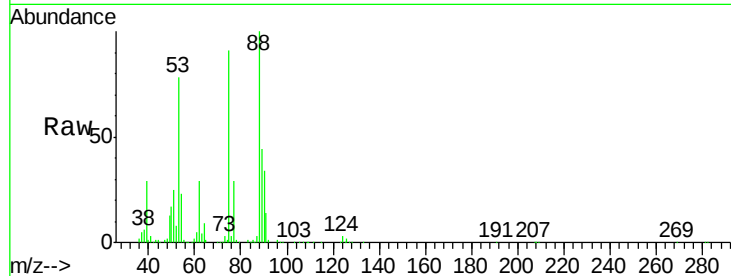
#81
trans-1,4-Dichloro-2-butene
Concen: 57.711 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.9	73.1	109.7
89	51.8	36.7	55.1

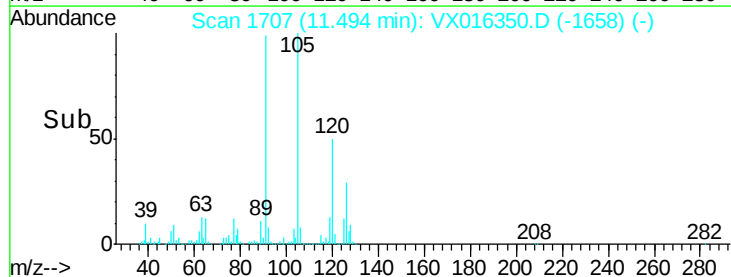
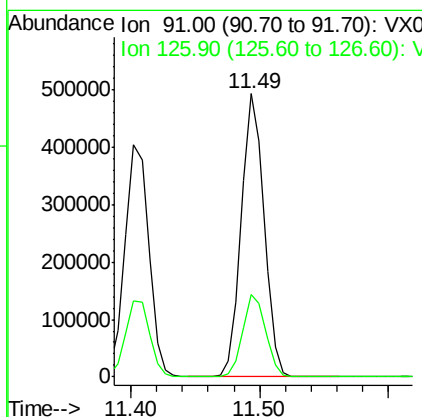
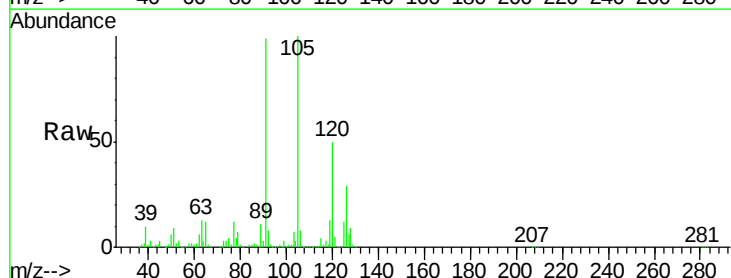
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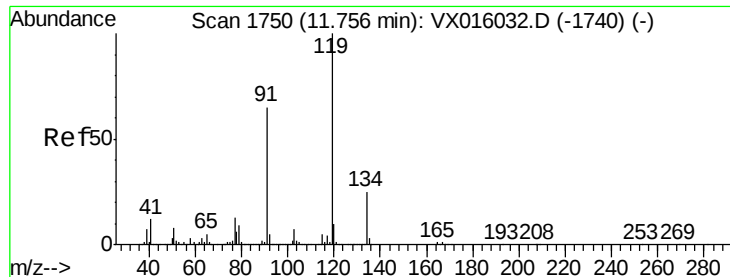
MMDadoda
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#82
4-Chlorotoluene
Concen: 56.577 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.8	44.3





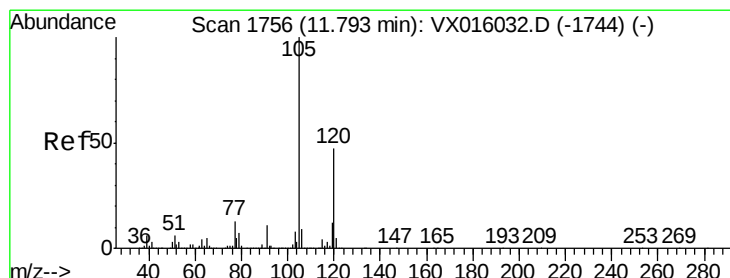
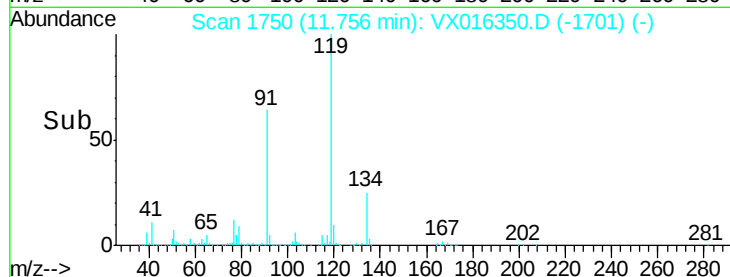
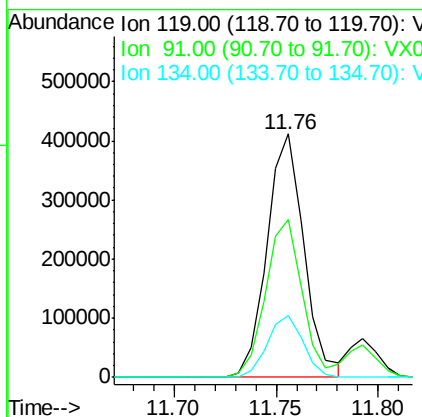
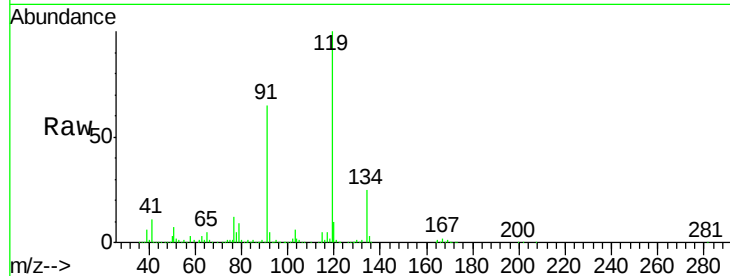
#83
tert-Butylbenzene
Concen: 54.031 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	518743		
91	63.6	32.8	98.4	
134	24.7	12.4	37.0	

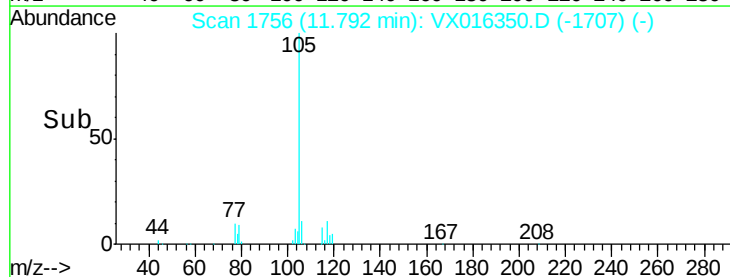
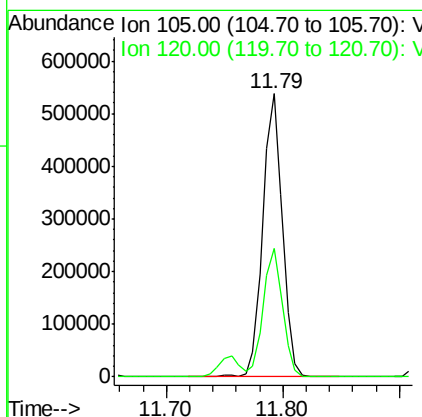
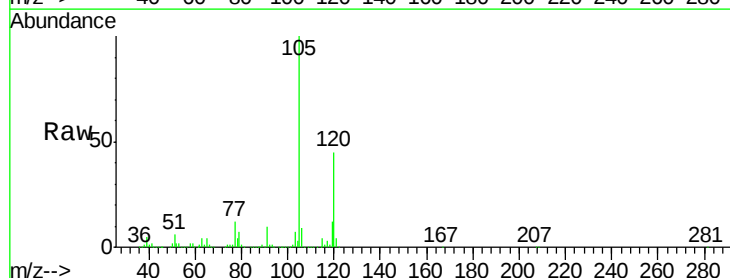
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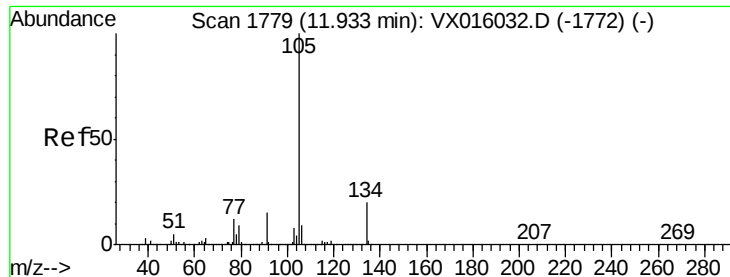
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#84
1,2,4-Trimethylbenzene
Concen: 56.113 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	631996		
120	45.0	23.0	69.0	





#85

sec-Butylbenzene

Concen: 51.371 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 665918

Ion Ratio Lower Upper

105 100

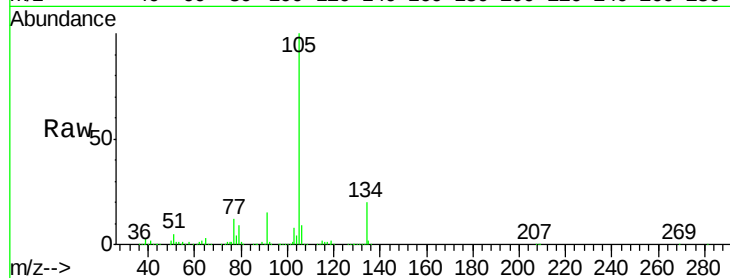
134 20.1 10.1 30.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.93

600000

500000

400000

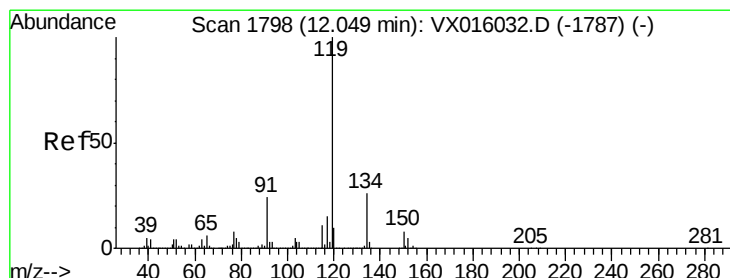
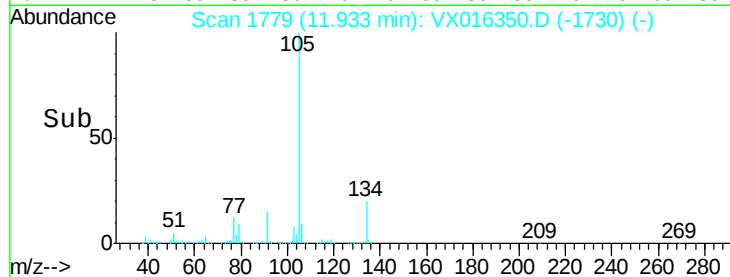
300000

200000

100000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 51.541 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

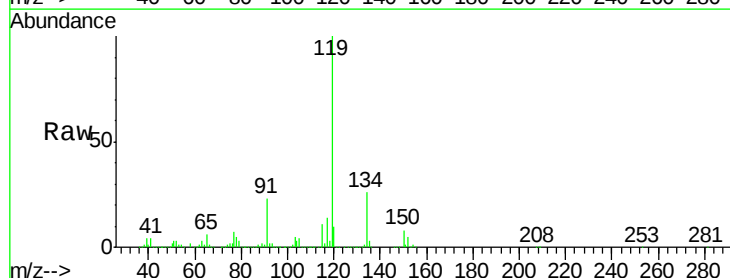
Tgt Ion:119 Resp: 620310

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 23.1 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.05

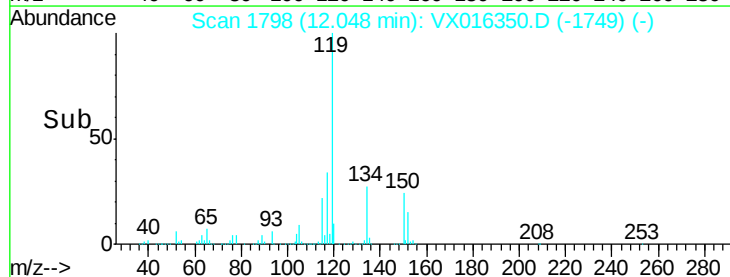
600000

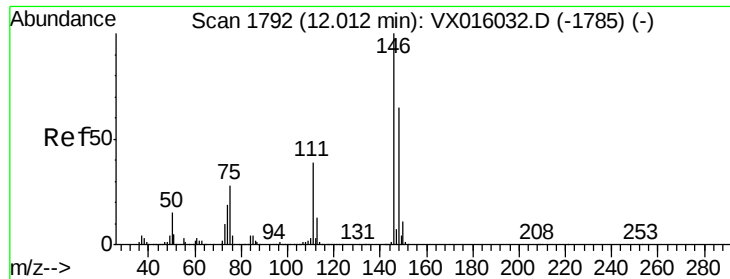
400000

200000

0

Time--> 12.00 12.10





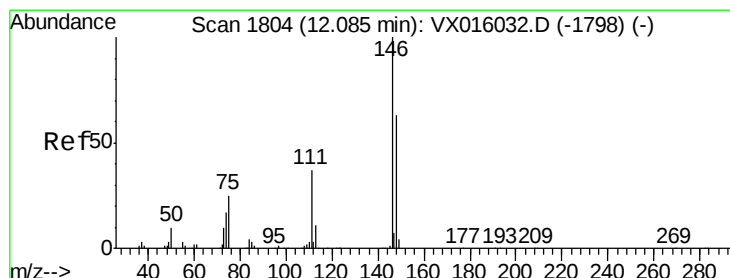
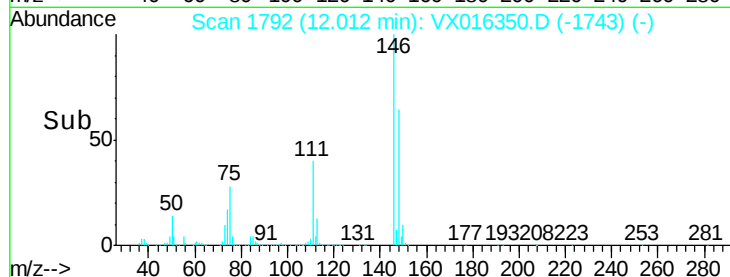
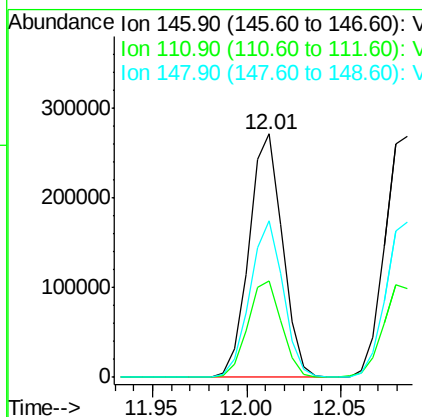
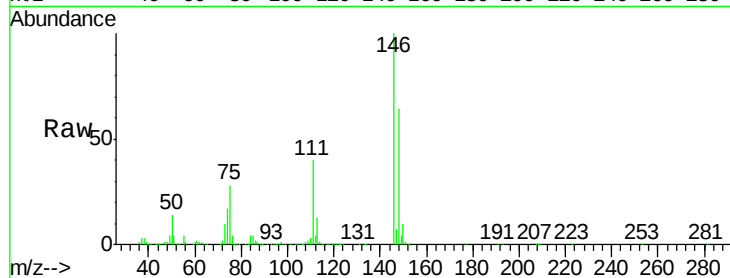
#87
 1,3-Dichlorobenzene
 Concen: 54.655 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016350.D
 Acq: 20 May 2020 10:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.2	60.6
148	63.7	32.1	96.3

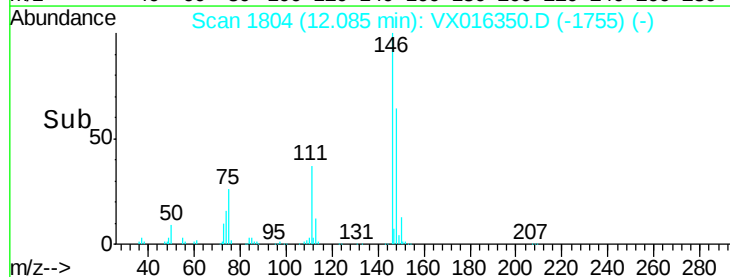
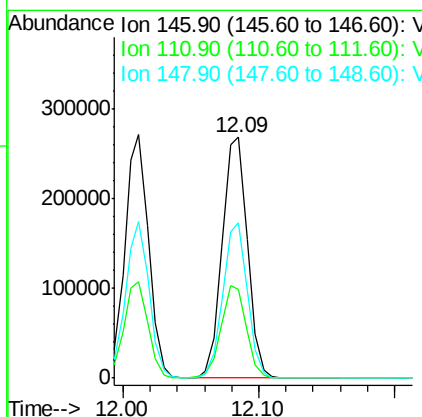
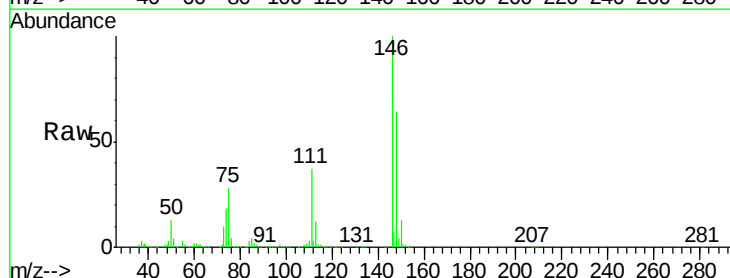
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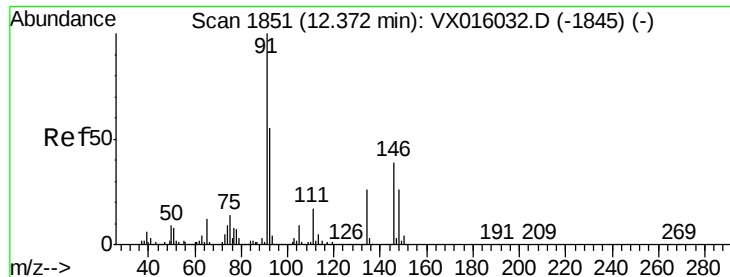
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#88
 1,4-Dichlorobenzene
 Concen: 55.514 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VX016350.D
 Acq: 20 May 2020 10:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.6	58.7
148	62.7	31.8	95.3





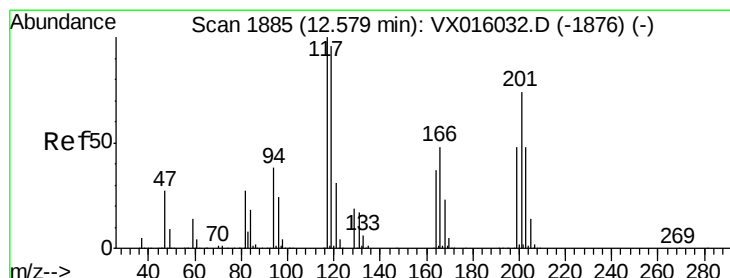
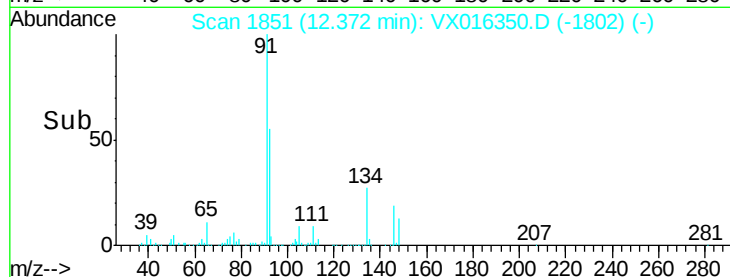
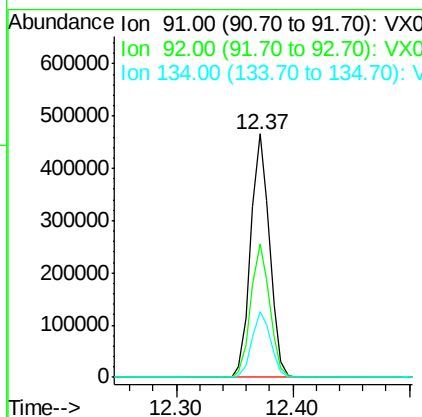
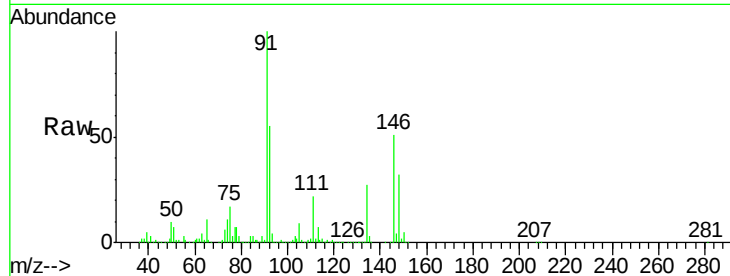
#89
n-Butylbenzene
Concen: 47.846 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.6	82.7
134	26.9	13.4	40.1

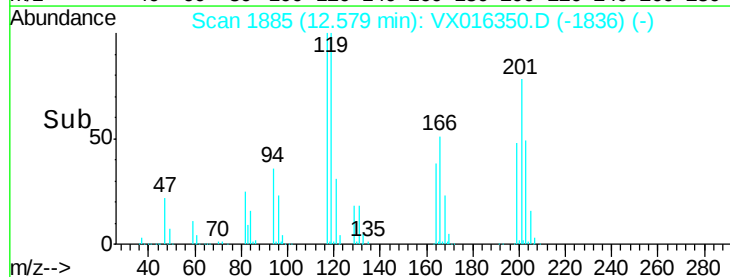
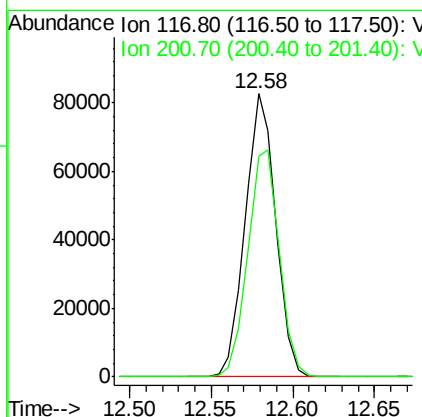
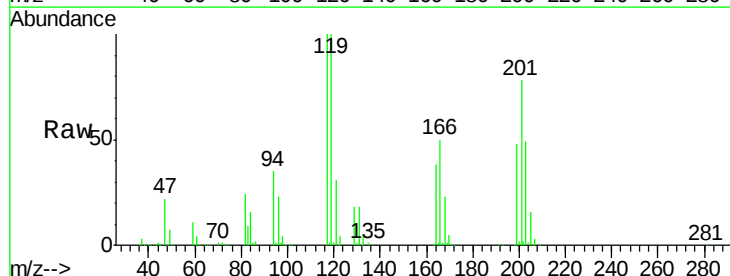
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#90
Hexachloroethane
Concen: 52.298 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016350.D
Acq: 20 May 2020 10:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.4	39.8	119.3





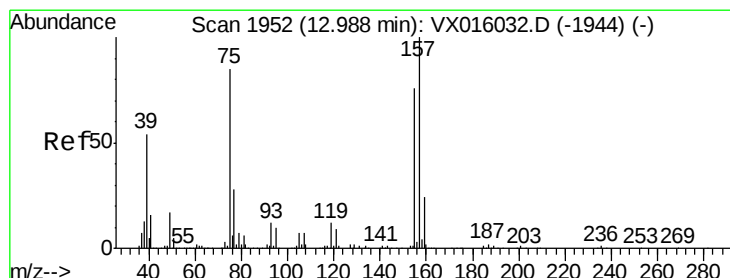
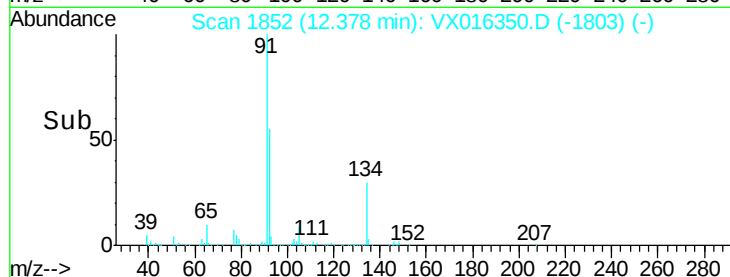
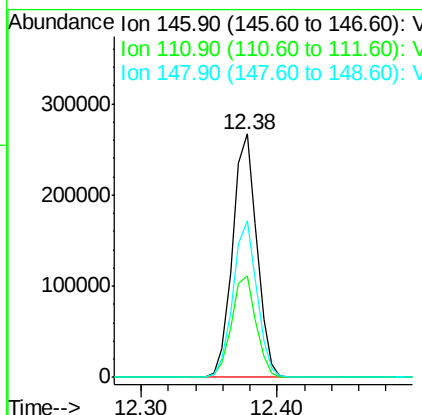
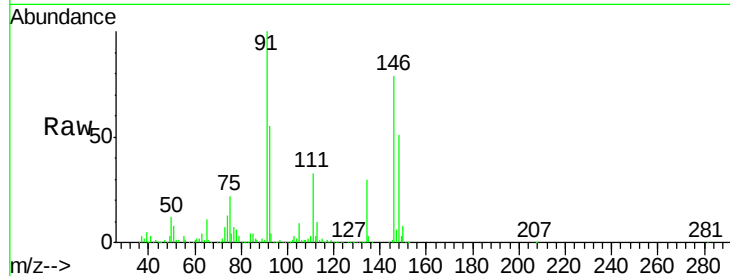
#91
 1,2-Dichlorobenzene
 Concen: 56.086 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016350.D
 Acq: 20 May 2020 10:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	330249		
111	42.1	21.1	63.1	
148	63.5	32.4	97.0	

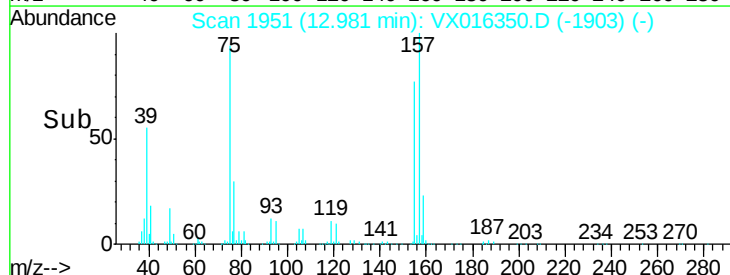
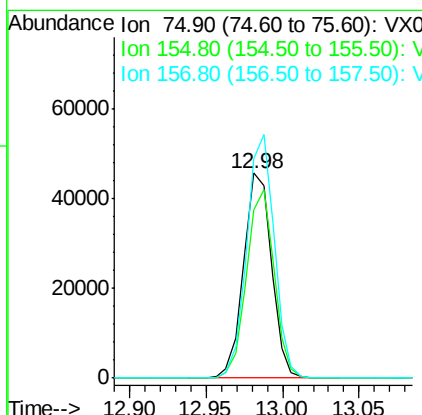
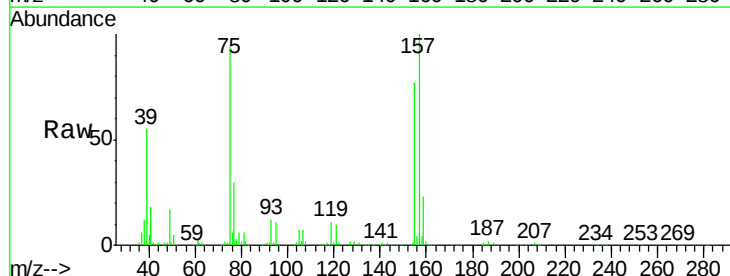
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.564 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.01 min
 Lab File: VX016350.D
 Acq: 20 May 2020 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	58114		
155	90.5	42.5	127.5	
157	116.3	55.3	165.8	





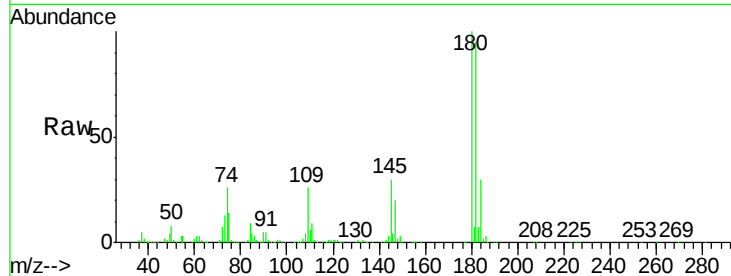
#93
 1,2,4-Trichlorobenzene
 Concen: 49.847 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016350.D
 Acq: 20 May 2020 10:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

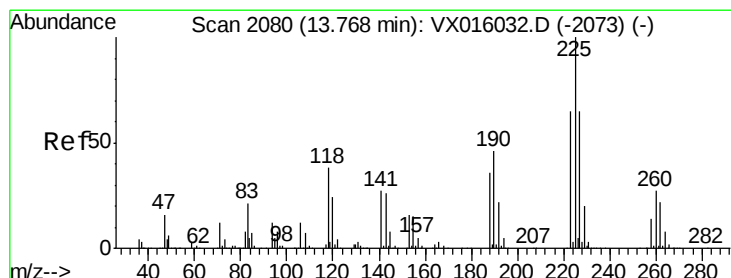
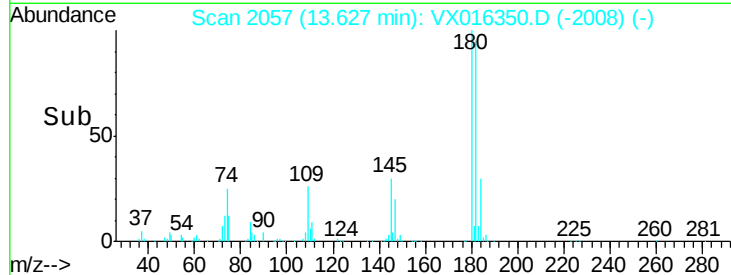
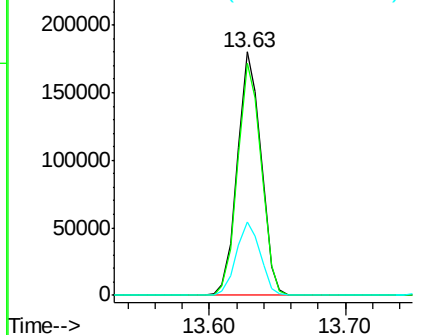
Tot Ion	Ratio	Resp	Lower	Upper
180	100	217305		
182	95.4	48.7	146.1	
145	30.6	15.7	47.1	

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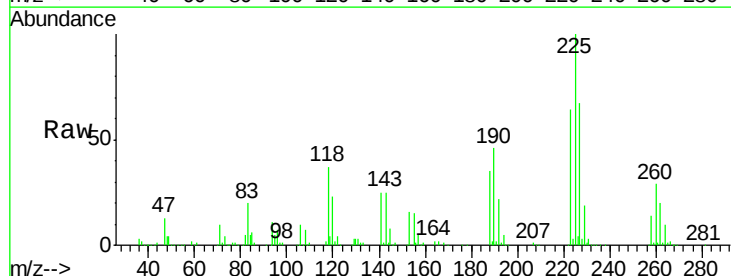


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

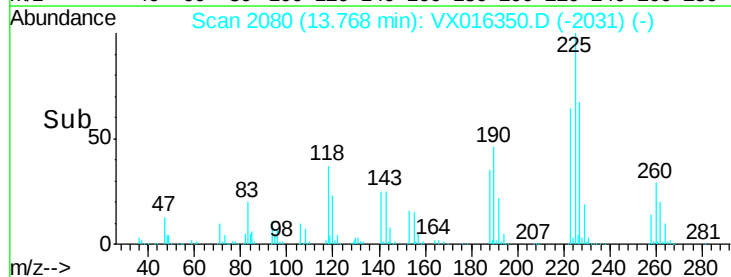
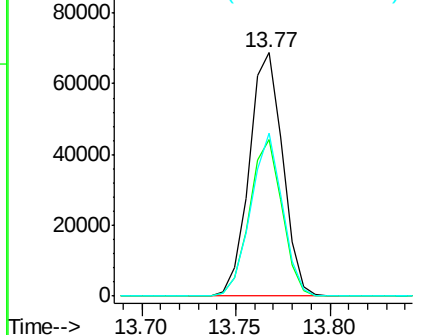


#94
 Hexachlorobutadiene
 Concen: 45.087 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016350.D
 Acq: 20 May 2020 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	84538		
223	62.7	32.3	96.9	
227	63.4	31.8	95.4	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 54.416 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

Instrument :

MSVOA_X

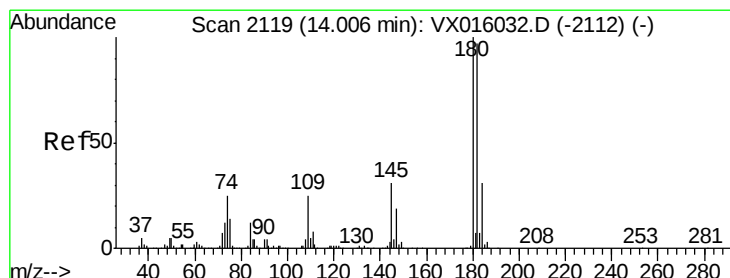
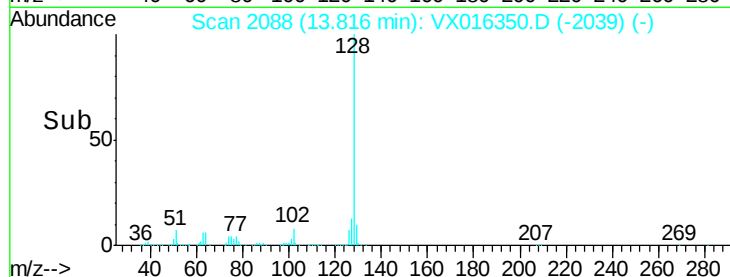
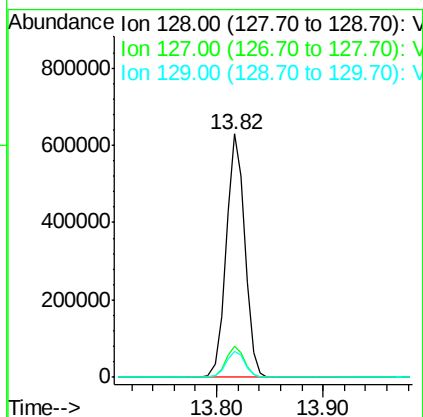
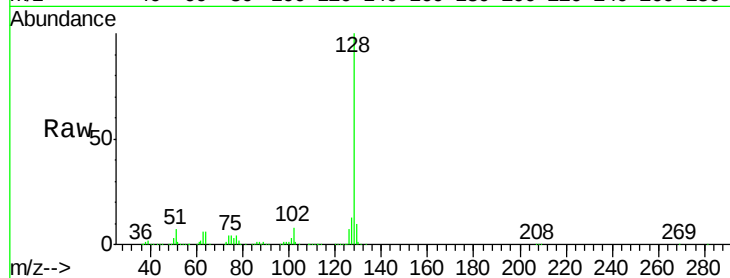
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	768119
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.4
129	10.8	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 49.534 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VX016350.D

Acq: 20 May 2020 10:48

Tgt Ion:	180	Resp:	211040
Ion Ratio	Lower	Upper	
180	100		
182	93.0	48.4	145.0
145	33.2	16.4	49.1

