

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051420\
 Data File : VX016248.D
 Acq On : 14 May 2020 22:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/15/2020 10:10:30 AM

Quant Time: May 15 04:29:58 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	5.63	168	246056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	405451	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	382680	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	195240	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	161325	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
35) Dibromofluoromethane	5.47	113	130457	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	8.70	98	510262	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
62) 4-Bromofluorobenzene	11.12	95	200563	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	135528	52.037	ug/l	98
3) Chloromethane	1.31	50	146471	48.426	ug/l	98
4) Vinyl Chloride	1.39	62	157966	48.952	ug/l	99
5) Bromomethane	1.62	94	70962	43.619	ug/l	97
6) Chloroethane	1.70	64	97322	49.567	ug/l	99
7) Trichlorofluoromethane	1.91	101	207602	49.003	ug/l	100
8) Diethyl Ether	2.17	74	86505	48.462	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	119344	48.827	ug/l	98
10) Methyl Iodide	2.49	142	130004	39.598	ug/l	100
11) Tert butyl alcohol	3.03	59	195739	239.065	ug/l	100
12) 1,1-Dichloroethene	2.36	96	122827	48.021	ug/l	99
13) Acrolein	2.27	56	145428	283.841	ug/l	99
14) Allyl chloride	2.70	41	225222	48.024	ug/l	96
15) Acrylonitrile	3.12	53	439915	258.996	ug/l	98
16) Acetone	2.42	43	343355	237.666	ug/l	96
17) Carbon Disulfide	2.55	76	348336	45.330	ug/l	99
18) Methyl Acetate	2.75	43	190262	53.562	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	467652	53.037	ug/l	99
20) Methylene Chloride	2.83	84	146148	49.072	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	138450	48.574	ug/l	97
22) Diisopropyl ether	3.82	45	448375	50.678	ug/l	98
23) Vinyl Acetate	3.79	43	1972279	253.376	ug/l	99
24) 1,1-Dichloroethane	3.67	63	256336	51.792	ug/l	99
25) 2-Butanone	4.64	43	594050	255.177	ug/l	99
26) 2,2-Dichloropropane	4.56	77	195815	43.322	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	160742	51.585	ug/l	97
28) Bromochloromethane	4.98	49	116507	51.624	ug/l	97
29) Tetrahydrofuran	5.09	42	388086	251.590	ug/l	97
30) Chloroform	5.18	83	256698	52.091	ug/l	100
31) Cyclohexane	5.55	56	221373	49.216	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	230843	51.535	ug/l	99
36) 1,1-Dichloropropene	5.77	75	191558	47.996	ug/l	99
37) Ethyl Acetate	4.80	43	226442	48.952	ug/l	99
38) Carbon Tetrachloride	5.76	117	205148	50.571	ug/l	93

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MMDadoda
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	212642	44.242	ug/l	99
40) Benzene	6.12	78	588186	50.368	ug/l	99
41) Methacrylonitrile	5.01	41	119743	47.933	ug/l	97
42) 1,2-Dichloroethane	6.17	62	203562	48.390	ug/l	99
43) Isopropyl Acetate	6.42	43	362191	49.073	ug/l	98
44) Trichloroethene	7.19	130	187682	45.239	ug/l	98
45) 1,2-Dichloropropane	7.49	63	153310	51.884	ug/l	99
46) Dibromomethane	7.64	93	100034	49.817	ug/l	99
47) Bromodichloromethane	7.88	83	210317	51.426	ug/l	98
48) Methyl methacrylate	7.75	41	170507	48.754	ug/l	95
49) 1,4-Dioxane	7.71	88	77535	924.394	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	1151102	254.866	ug/l	98
52) Toluene	8.77	92	366862	50.401	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	240974	49.419	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	252172	49.512	ug/l	96
55) 1,1,2-Trichloroethane	9.20	97	148484	51.849	ug/l	97
56) Ethyl methacrylate	9.16	69	246130	52.652	ug/l	95
57) 1,3-Dichloropropane	9.35	76	260053	52.041	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	632308	254.077	ug/l	100
59) 2-Hexanone	9.48	43	884400	249.343	ug/l	97
60) Dibromochloromethane	9.57	129	166106	52.664	ug/l	98
61) 1,2-Dibromoethane	9.66	107	160607	51.775	ug/l	99
64) Tetrachloroethene	9.32	164	215331	45.836	ug/l	99
65) Chlorobenzene	10.12	112	398974	49.792	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	151225	51.061	ug/l	99
67) Ethyl Benzene	10.24	91	701668	49.078	ug/l	99
68) m/p-Xylenes	10.34	106	535063	99.889	ug/l	99
69) o-Xylene	10.68	106	259118	50.325	ug/l	99
70) Styrene	10.70	104	457989	52.430	ug/l	99
71) Bromoform	10.84	173	129366	53.614	ug/l #	98
73) Isopropylbenzene	11.01	105	695164	48.953	ug/l	99
74) N-amyl acetate	10.88	43	315307	47.602	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	173325	60.519	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	216926m	48.962	ug/l	
77) Bromobenzene	11.24	156	178188	48.613	ug/l	100
78) n-propylbenzene	11.35	91	793087	48.007	ug/l	100
79) 2-Chlorotoluene	11.41	91	475764	48.789	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	591148	49.303	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	87952	47.308	ug/l	97
82) 4-Chlorotoluene	11.49	91	565301	49.091	ug/l	100
83) tert-Butylbenzene	11.76	119	506673	49.035	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	600418	49.532	ug/l	99
85) sec-Butylbenzene	11.93	105	654514	46.914	ug/l	99
86) p-Isopropyltoluene	12.05	119	611130	47.180	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	318488	48.392	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	317743	47.567	ug/l	98
89) n-Butylbenzene	12.37	91	518494	43.816	ug/l	99
90) Hexachloroethane	12.58	117	110131	49.506	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	306016	48.289	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	56660	48.524	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	216962	46.242	ug/l	98
94) Hexachlorobutadiene	13.77	225	76602	38.043	ug/l	98
95) Naphthalene	13.82	128	751967	49.497	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	212396	46.320	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 246056

Ion Ratio Lower Upper

168 100

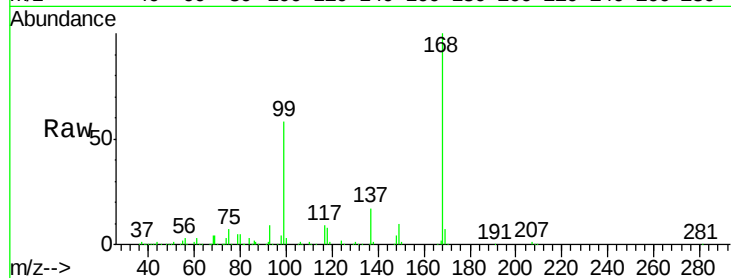
99 58.4 45.0 67.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

60000

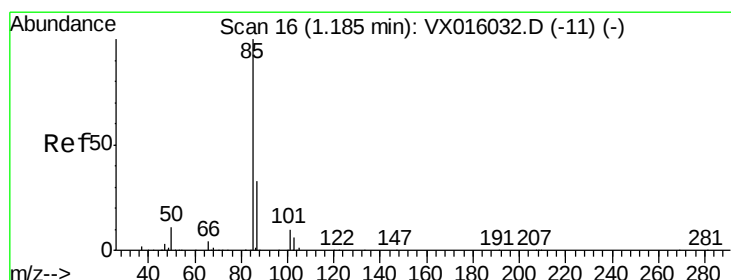
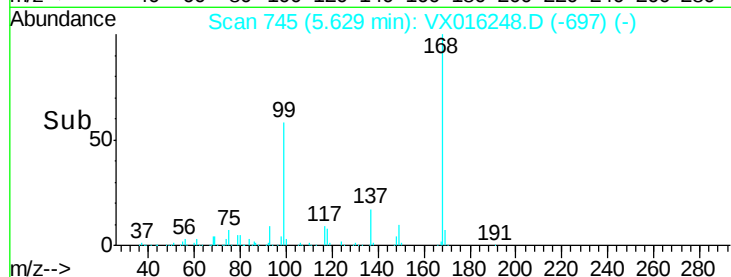
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 52.037 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016248.D

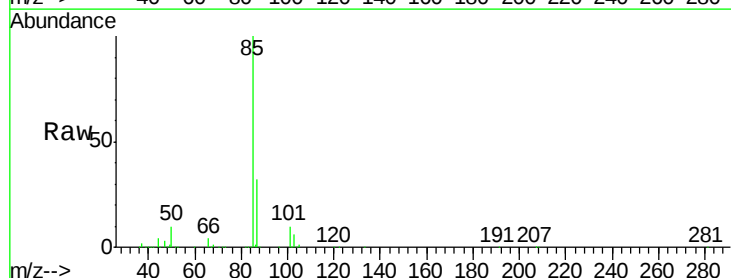
Acq: 14 May 2020 22:03

Tgt Ion: 85 Resp: 135528

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

150000

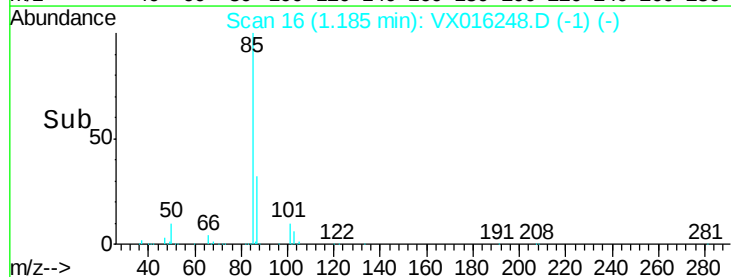
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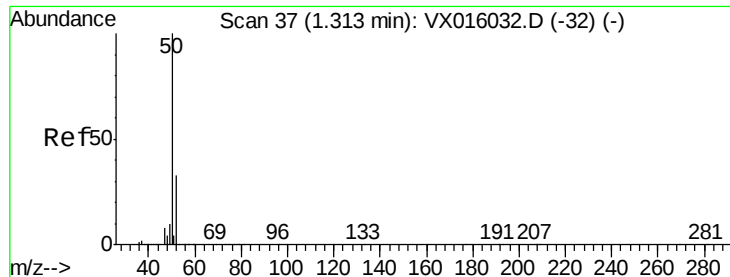
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0

1.10 1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 48.426 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 146471

Ion Ratio Lower Upper

50 100

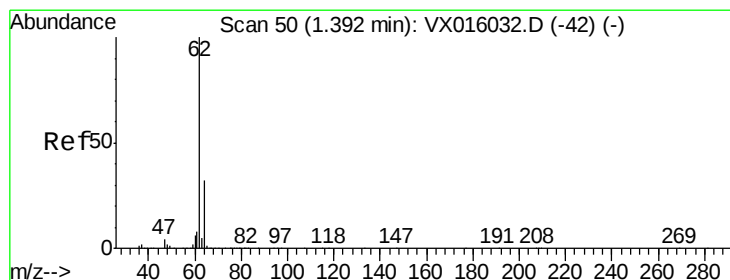
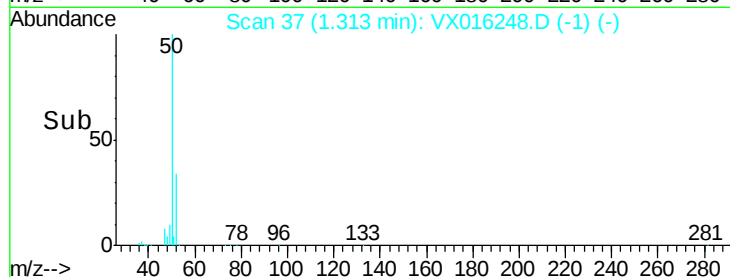
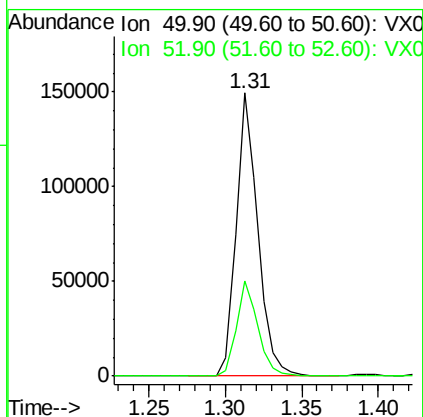
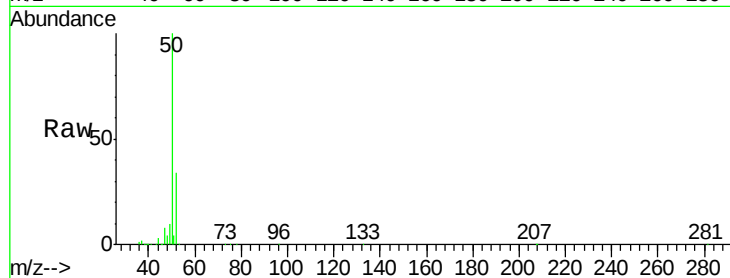
52 33.5 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.952 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016248.D

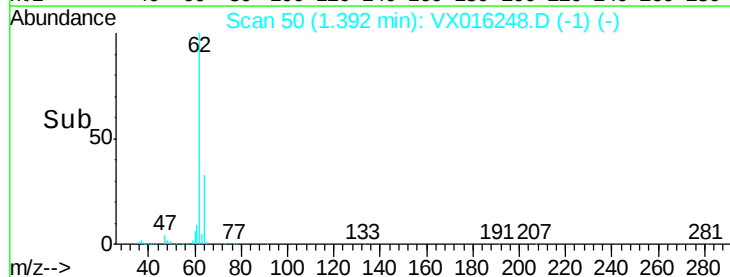
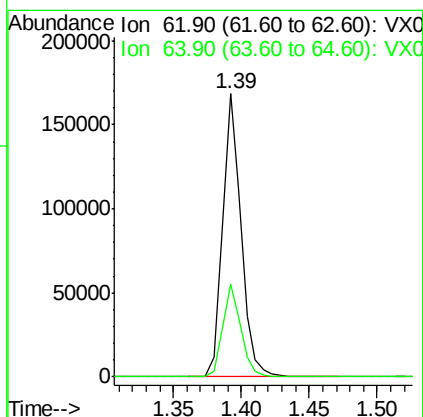
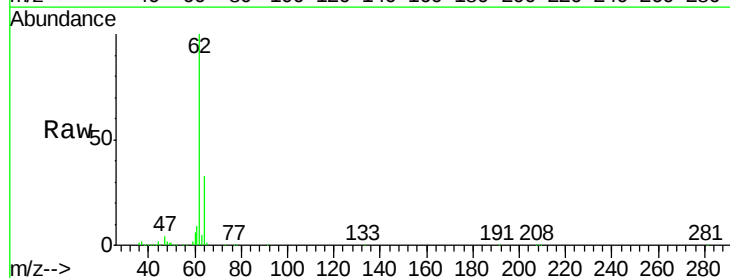
Acq: 14 May 2020 22:03

Tgt Ion: 62 Resp: 157966

Ion Ratio Lower Upper

62 100

64 32.7 25.7 38.5





#5

Bromomethane

Concen: 43.619 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 70962

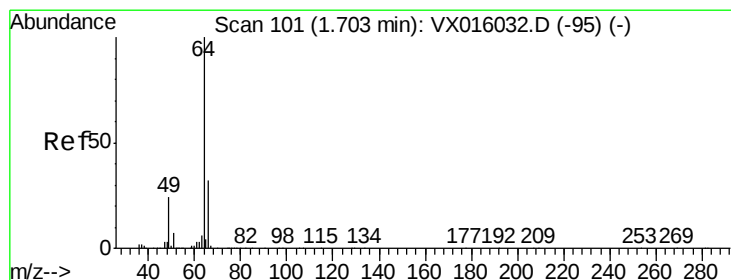
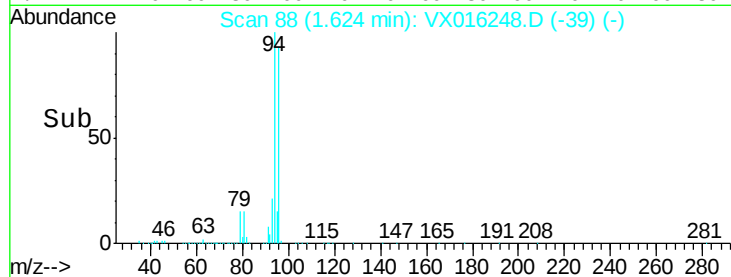
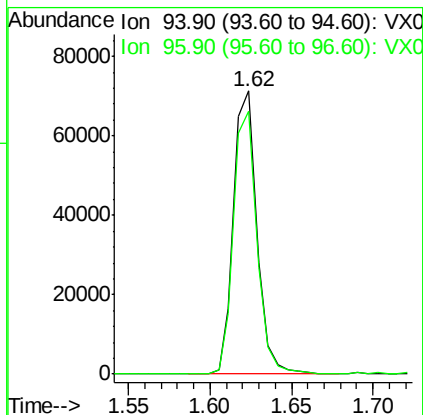
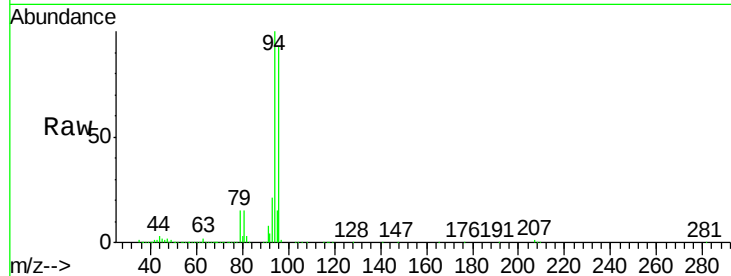
Ion Ratio Lower Upper

94 100

96 92.9 76.9 115.3

Manual Integrations
APPROVED

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#6

Chloroethane

Concen: 49.567 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX016248.D

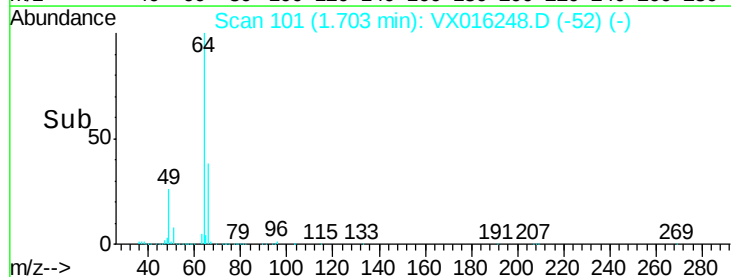
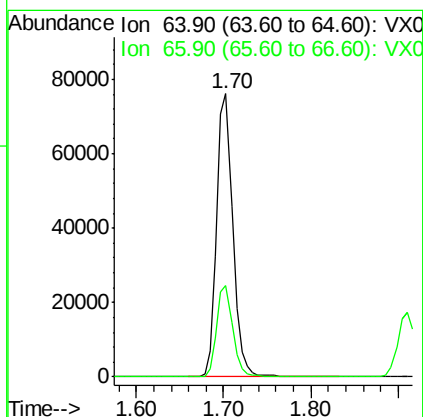
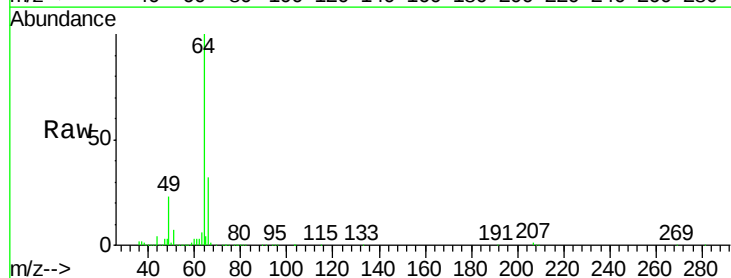
Acq: 14 May 2020 22:03

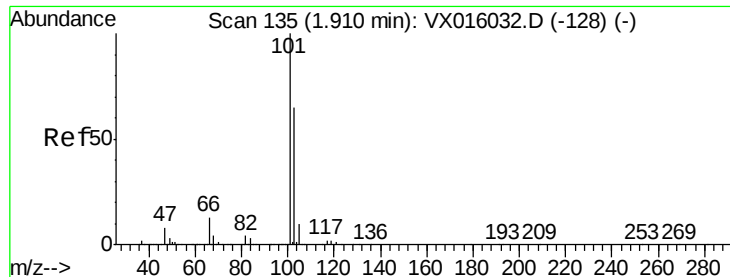
Tgt Ion: 64 Resp: 97322

Ion Ratio Lower Upper

64 100

66 32.1 25.2 37.8





#7

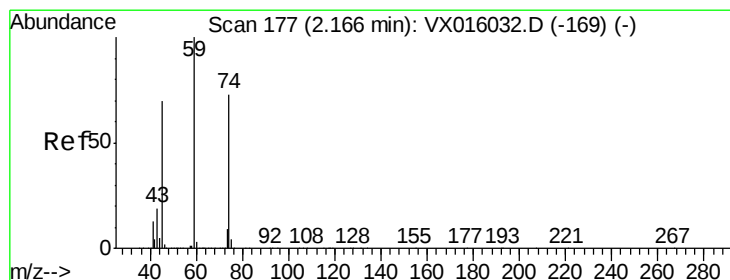
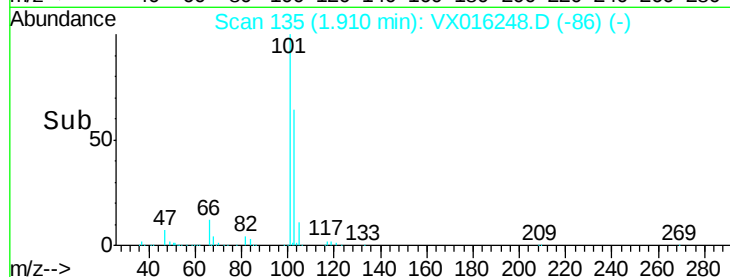
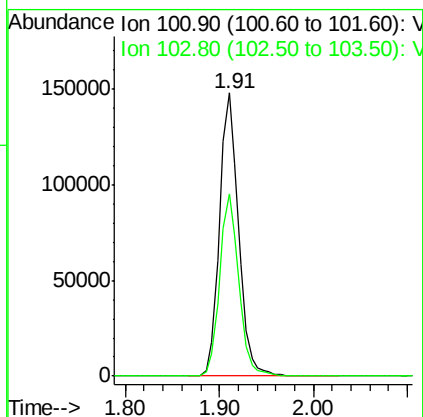
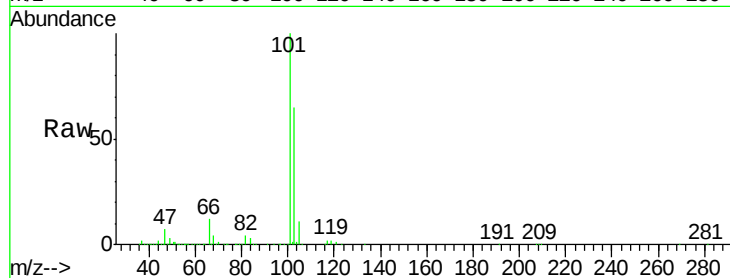
Trichlorofluoromethane
Concen: 49.003 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.00 min
Lab File: VX016248.D
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.8	77.6

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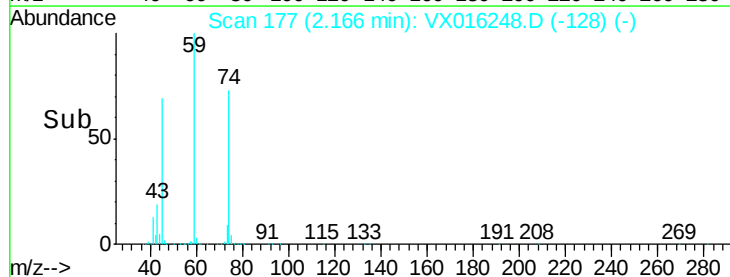
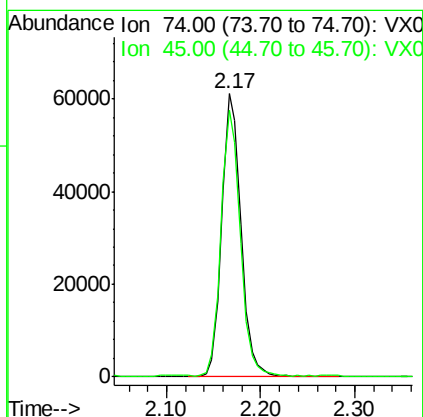
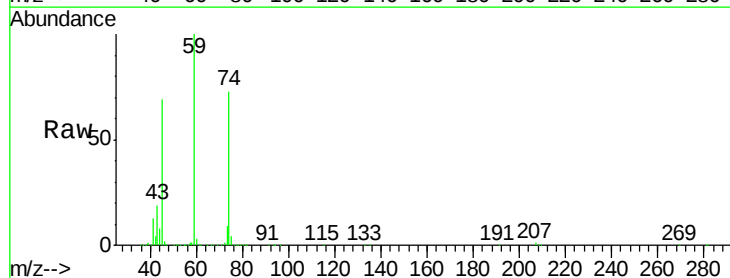
MMDadoda
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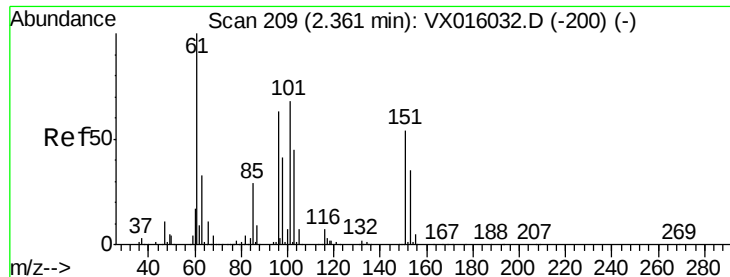


#8

Diethyl Ether
Concen: 48.462 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.6	47.3	142.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.827 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Instrument :

MSVOA_X

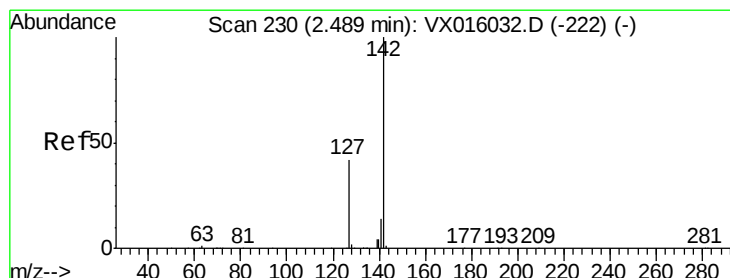
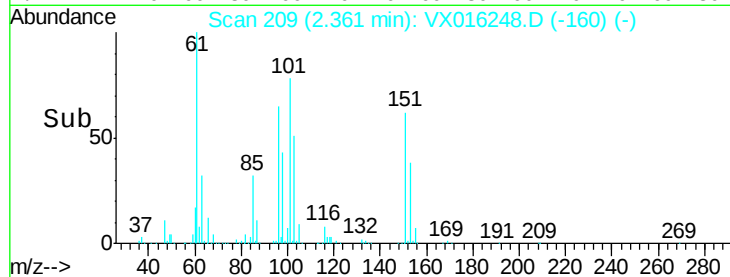
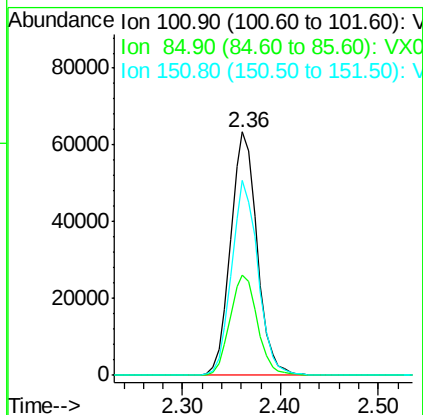
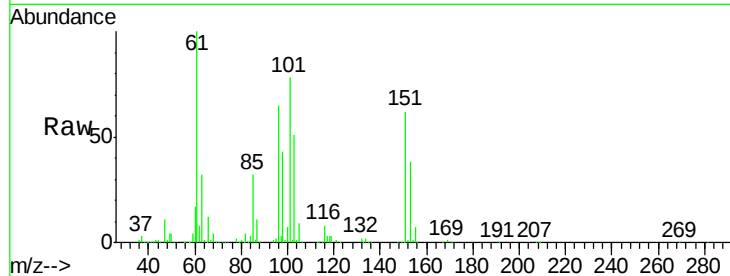
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	119344
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.2	51.4
151	80.0	62.1	93.1

Manual Integrations
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#10

Methyl Iodide

Concen: 39.598 ug/l

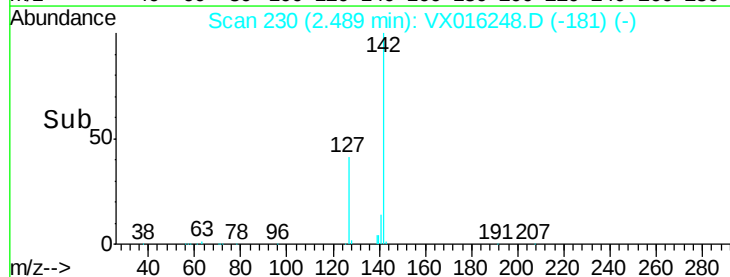
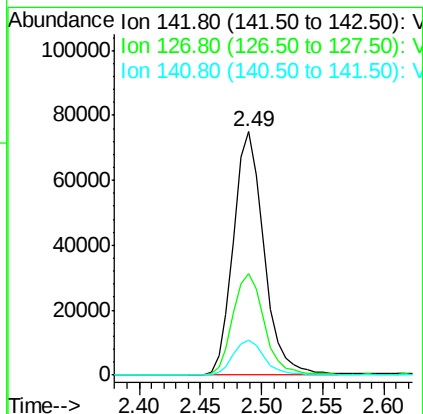
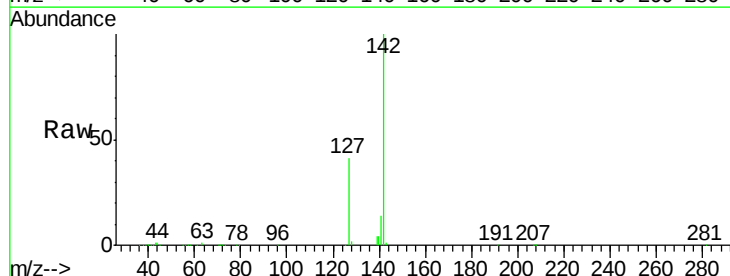
RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Tgt Ion:	142	Resp:	130004
Ion Ratio	Lower	Upper	
142	100		
127	43.2	34.6	52.0
141	14.6	11.3	16.9





#11

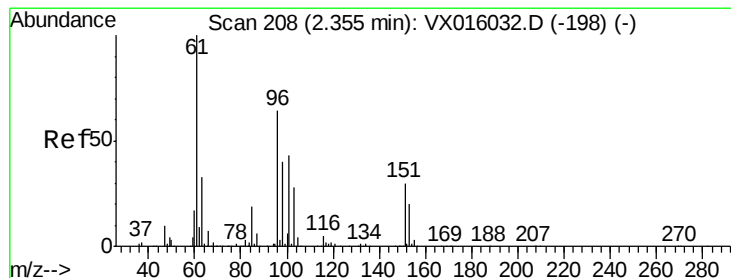
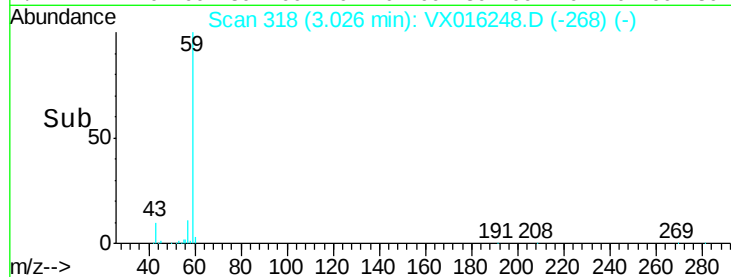
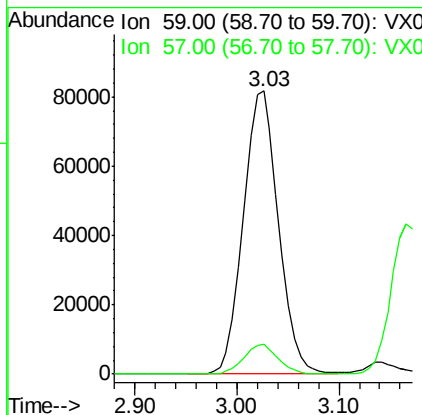
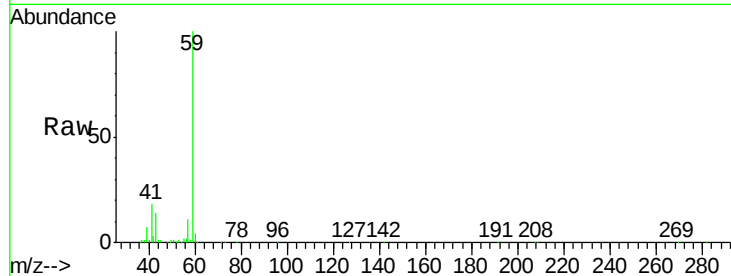
Tert butyl alcohol
 Concen: 239.065 ug/l
 RT: 3.03 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: VX016248.D
 Acq: 14 May 2020 22:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4

Manual Integrations
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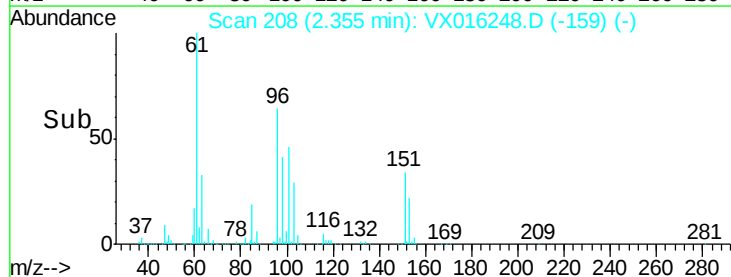
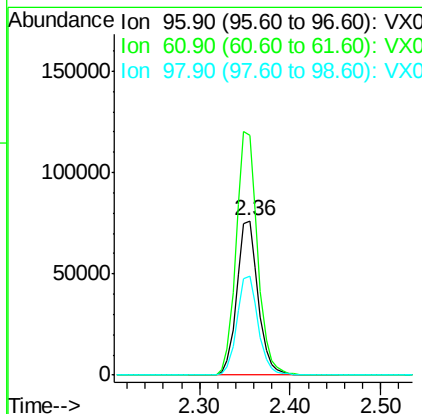
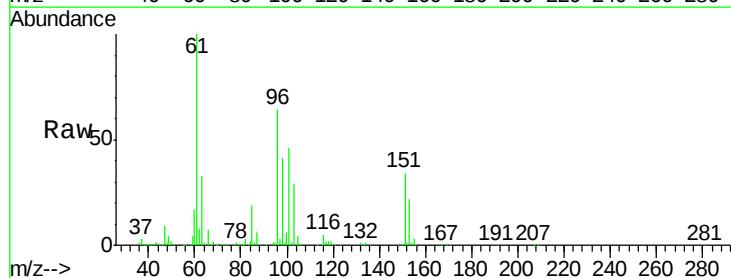
MMDadoda
 5/15/2020 10:10:30 AM



#12

1,1-Dichloroethene
 Concen: 48.021 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX016248.D
 Acq: 14 May 2020 22:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.7	124.8	187.2
98	64.0	49.7	74.5





#13

Acrolein

Concen: 283.841 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 145428

Ion Ratio Lower Upper

56 100

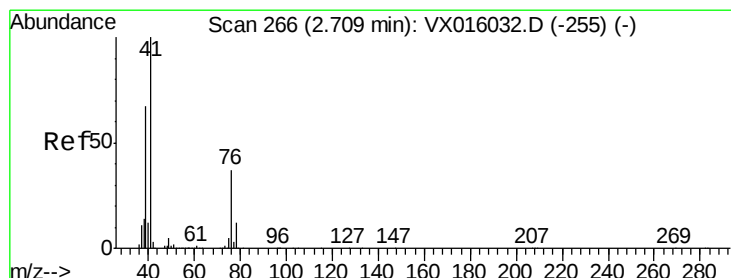
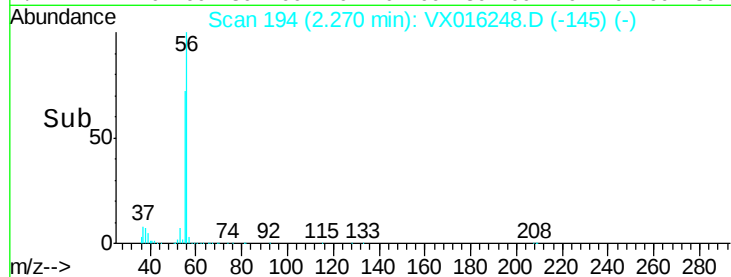
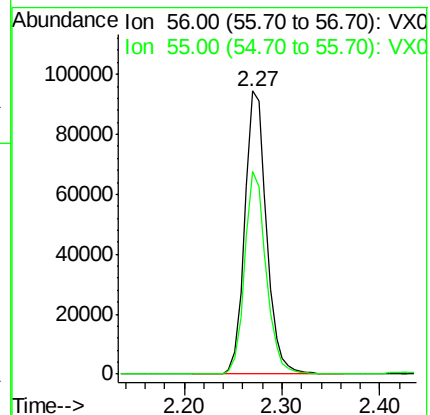
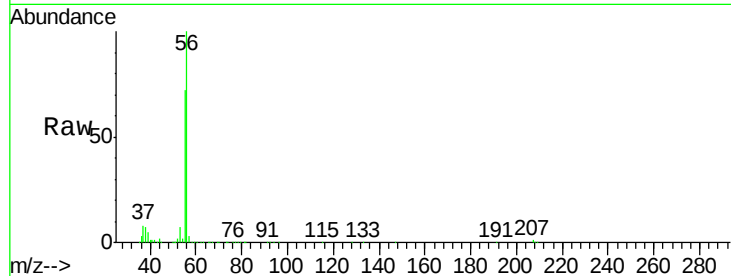
55 70.1 56.5 84.7

Manual Integrations

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5/15/2020 10:10:30 AM



#14

Allyl chloride

Concen: 48.024 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

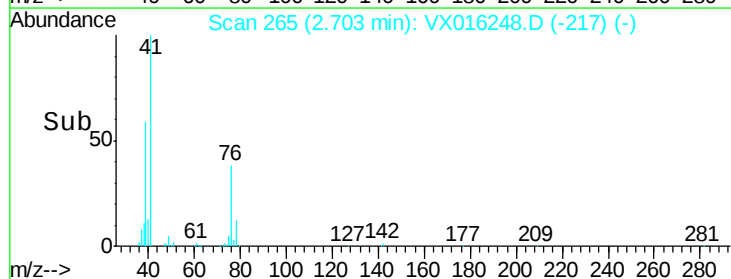
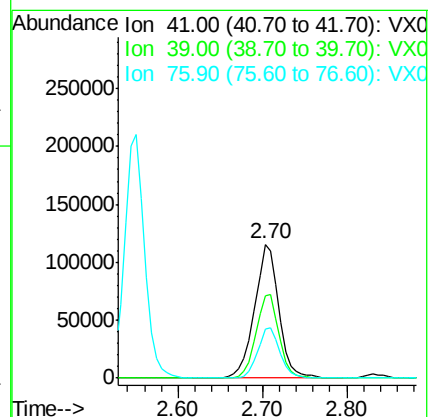
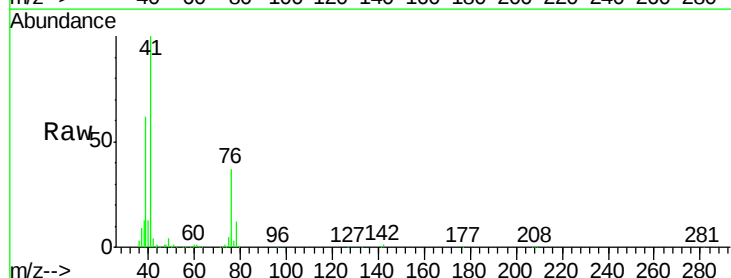
Tgt Ion: 41 Resp: 225222

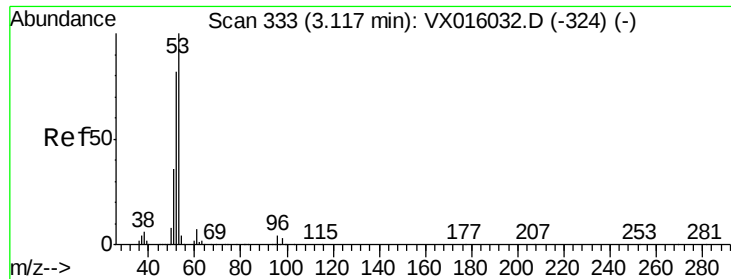
Ion Ratio Lower Upper

41 100

39 59.0 50.5 75.7

76 34.5 26.6 40.0





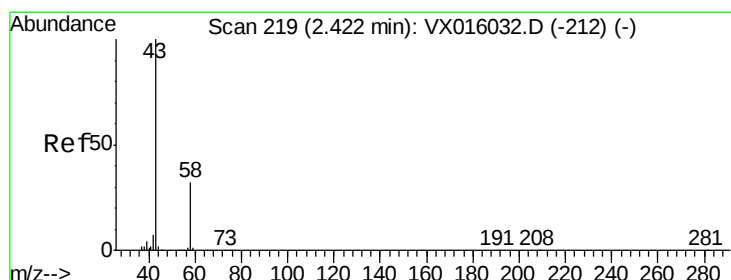
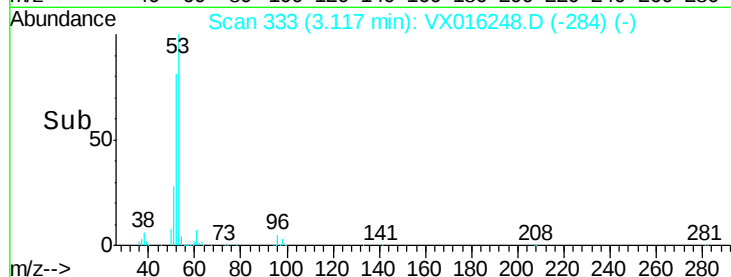
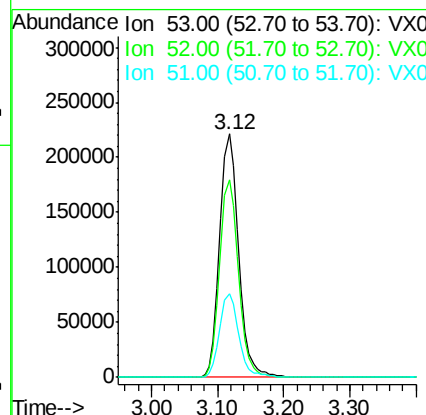
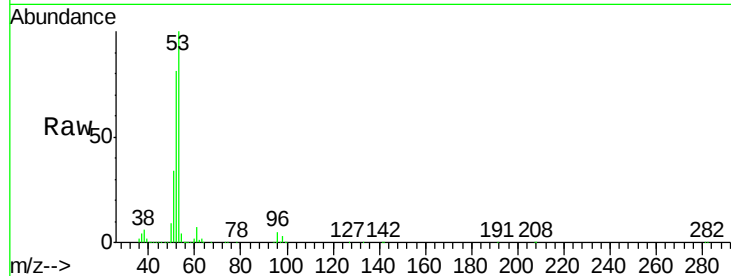
#15
 Acrylonitrile
 Concen: 258.996 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VX016248.D
 Acq: 14 May 2020 22:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	53	Resp	439915
Ion	Ratio	Lower	Upper
53	100		
52	80.9	66.1	99.1
51	34.8	28.8	43.2

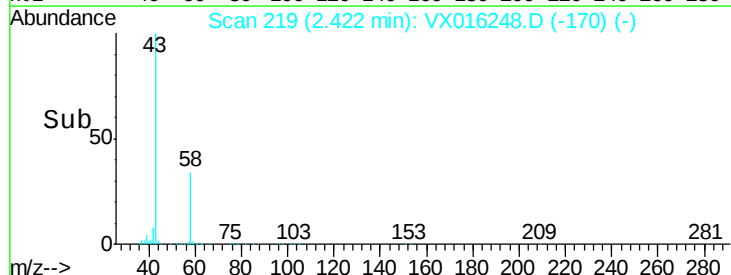
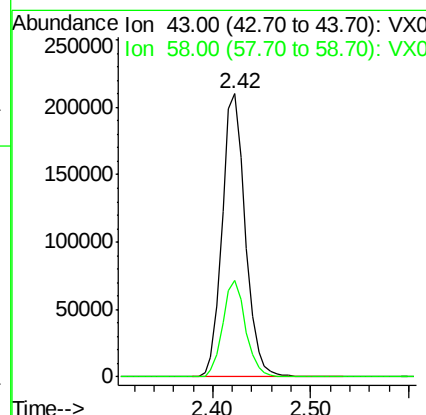
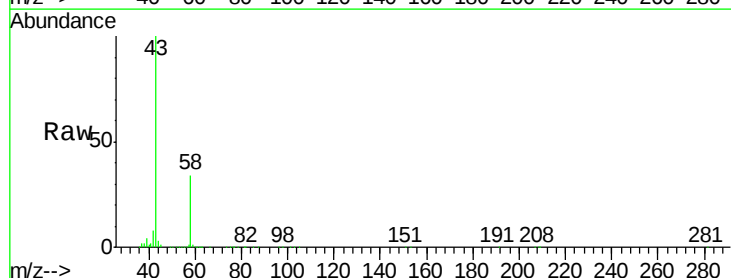
Manual Integrations
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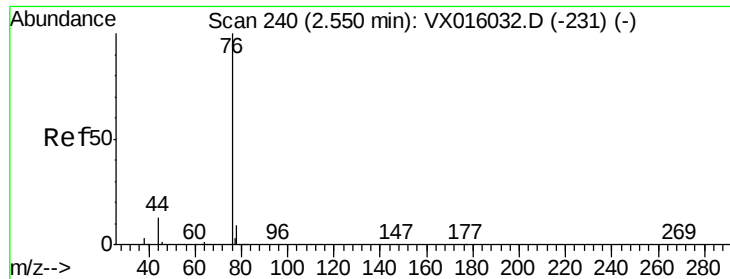
MMDadoda
 5/15/2020 10:10:30 AM



#16
 Acetone
 Concen: 237.666 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX016248.D
 Acq: 14 May 2020 22:03

Tgt Ion	43	Resp	343355
Ion	Ratio	Lower	Upper
43	100		
58	34.2	25.4	38.0





#17

Carbon Disulfide

Concen: 45.330 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 348336

Ion Ratio Lower Upper

76 100

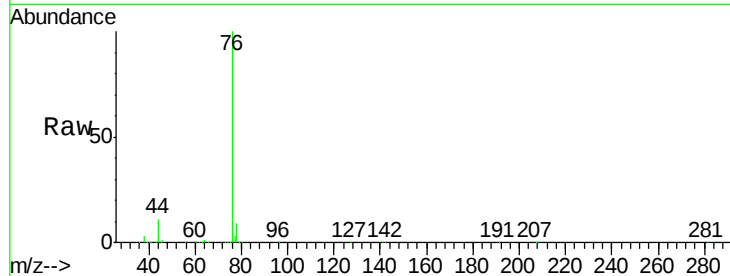
78 9.1 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250000

200000

150000

100000

50000

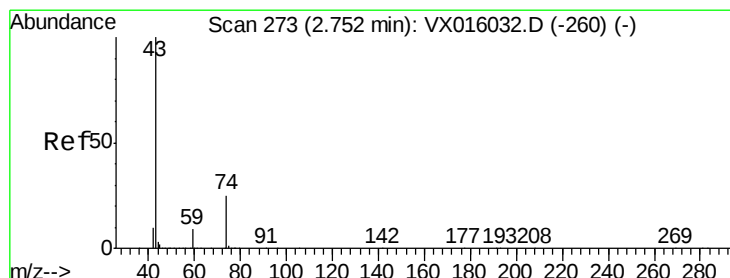
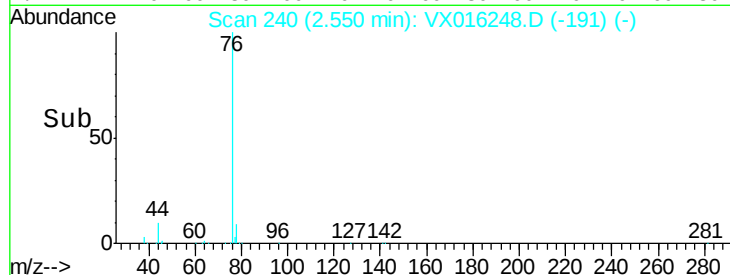
0

2.55

2.60

2.70

Time-->



#18

Methyl Acetate

Concen: 53.562 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX016248.D

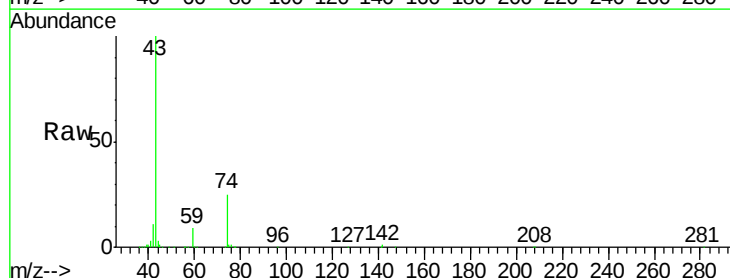
Acq: 14 May 2020 22:03

Tgt Ion: 43 Resp: 190262

Ion Ratio Lower Upper

43 100

74 25.5 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

120000

100000

80000

60000

40000

20000

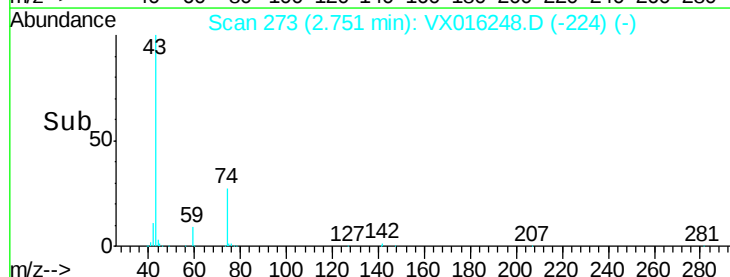
0

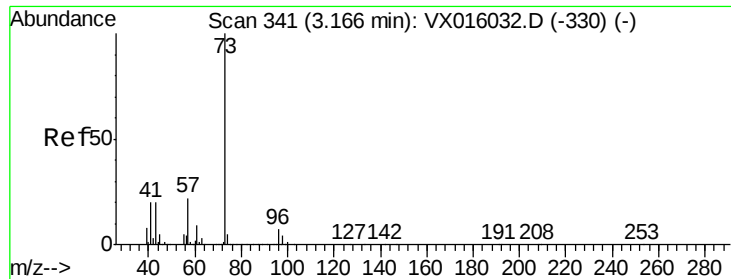
2.75

2.80

2.90

Time-->





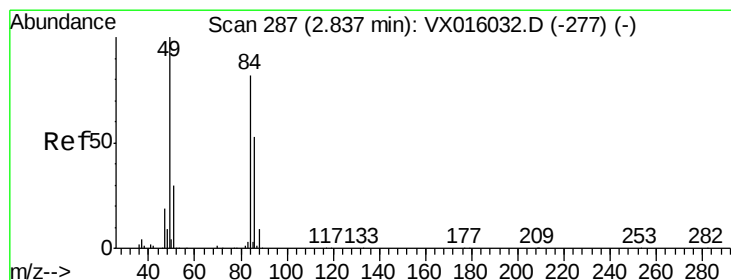
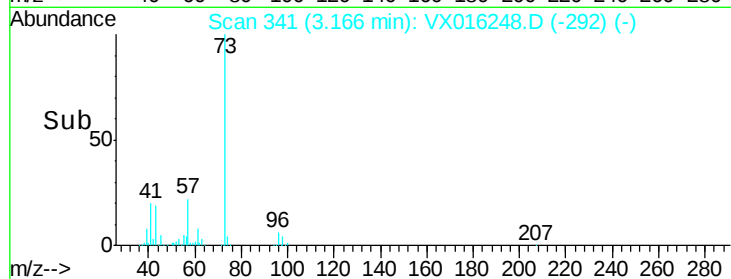
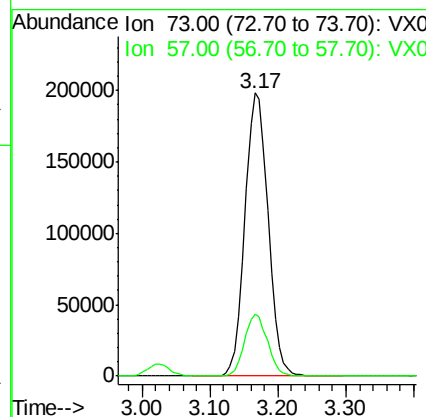
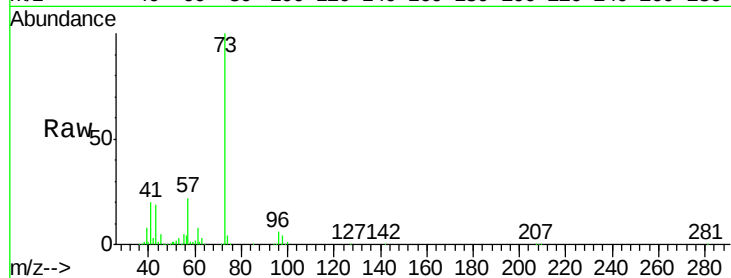
#19
Methvl tert-butvl Ether
Concen: 53.037 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.8	26.6

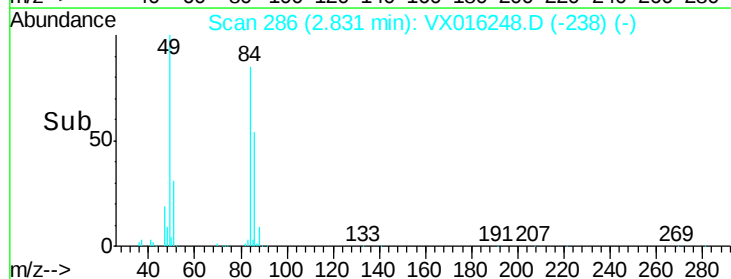
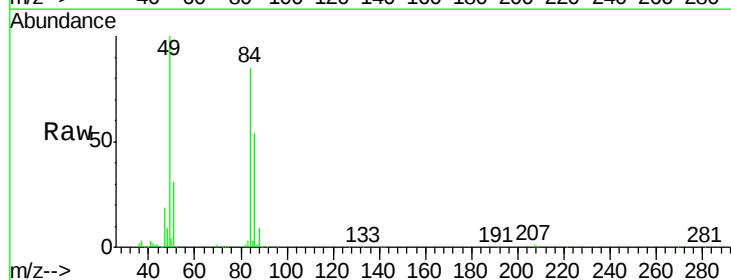
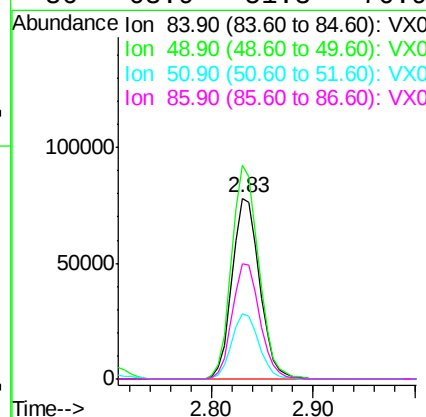
Manual Integrations
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5/15/2020 10:10:30 AM



#20
Methylene Chloride
Concen: 49.072 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.2	97.3	145.9
51	36.4	29.3	43.9
86	63.9	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 48.574 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Instrument :

MSVOA_X

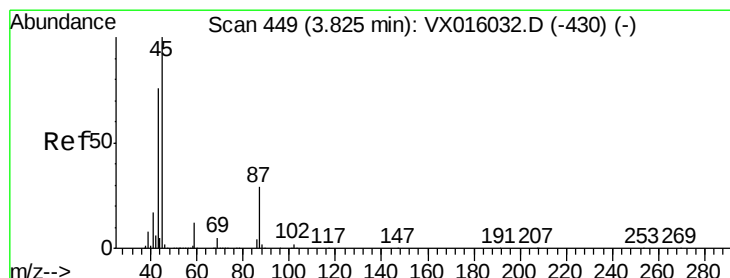
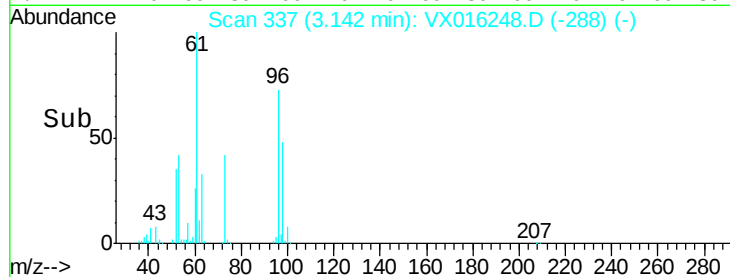
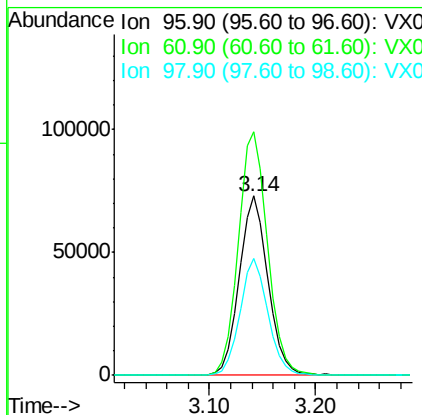
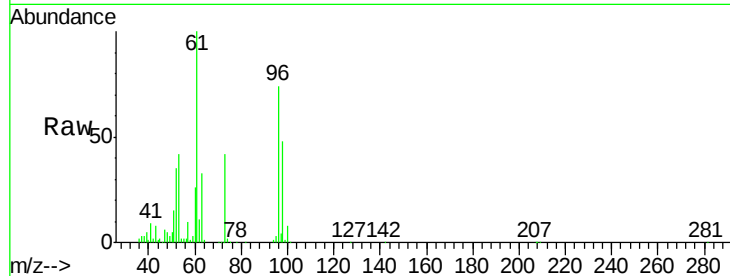
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	138450
Ion	Ratio	Lower	Upper
96	100		
61	136.0	111.2	166.8
98	65.1	50.2	75.4

Manual Integrations
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MMDadoda
5/15/2020 10:10:30 AM



#22

Diisopropyl ether

Concen: 50.678 ug/l

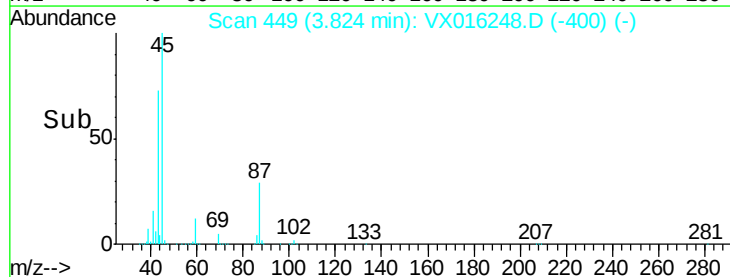
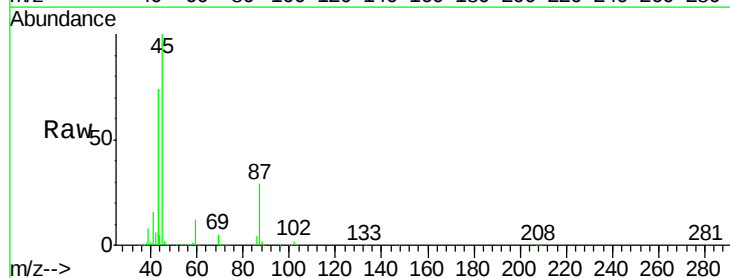
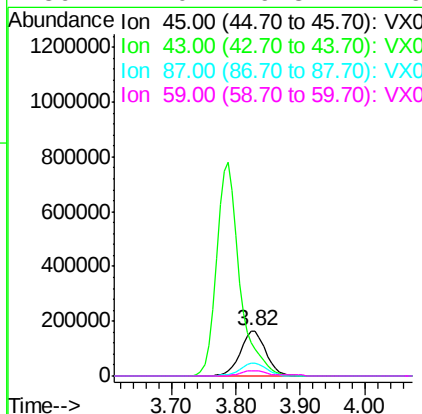
RT: 3.82 min Scan# 449

Delta R.T. -0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Tgt Ion:	45	Resp:	448375
Ion	Ratio	Lower	Upper
45	100		
43	73.4	61.1	91.7
87	29.2	23.0	34.6
59	12.0	9.8	14.6





#23

Vinyl Acetate

Concen: 253.376 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1972279

Ion Ratio Lower Upper

43 100

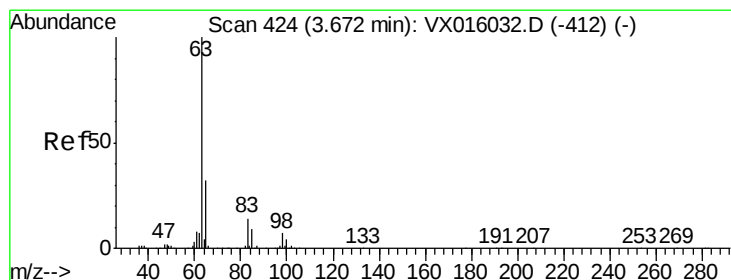
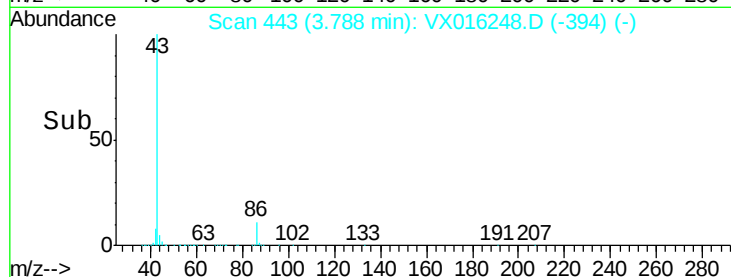
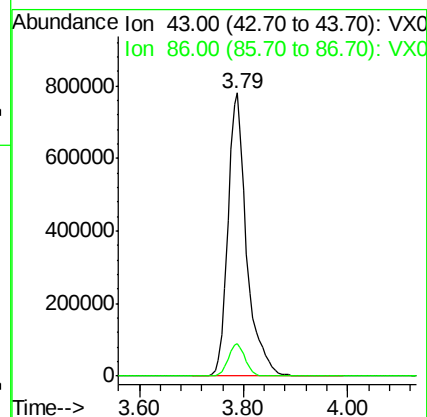
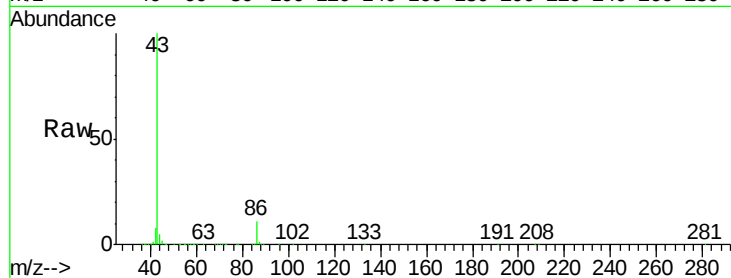
86 11.5 9.0 13.4

Manual Integrations

APPROVED

MMDadoda

5/15/2020 10:10:30 AM



#24

1,1-Dichloroethane

Concen: 51.792 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

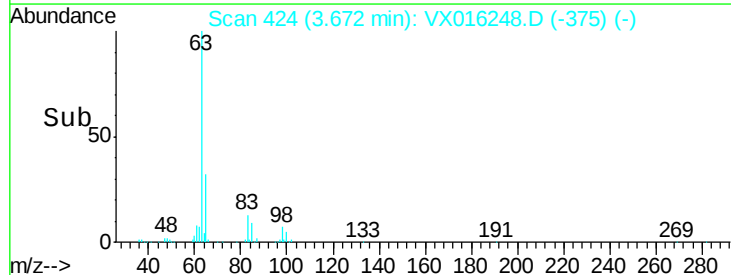
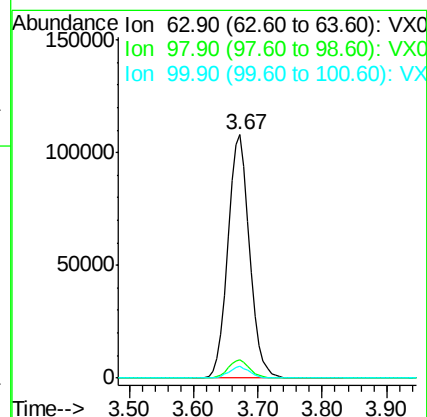
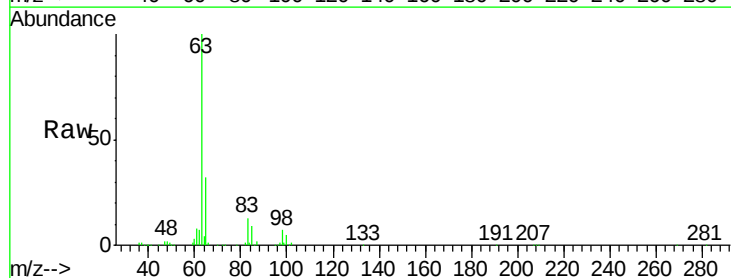
Tgt Ion: 63 Resp: 256336

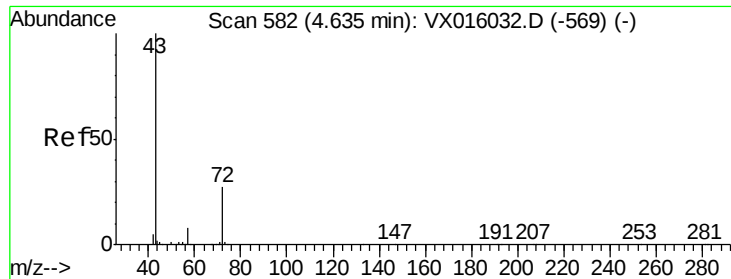
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.5

100 4.7 2.1 6.5





#25

2-Butanone

Concen: 255.177 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 594050

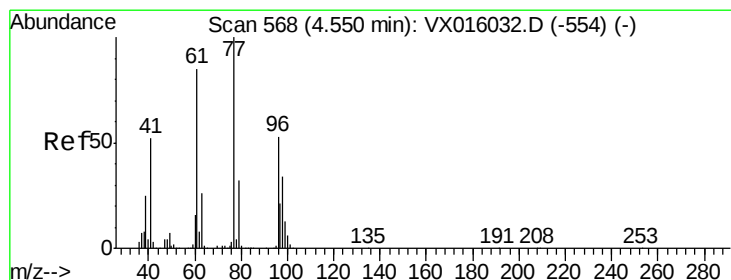
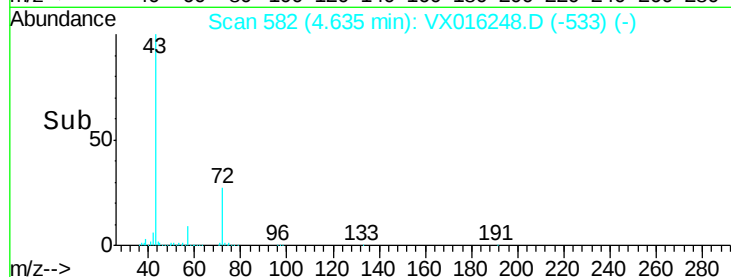
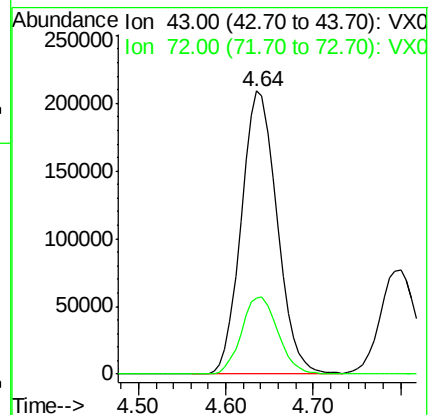
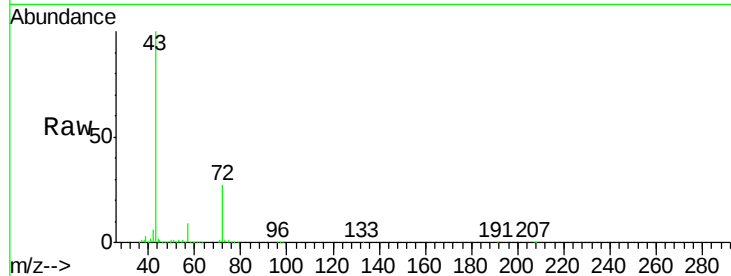
Ion Ratio Lower Upper

43 100

72 26.7 21.8 32.8

Manual Integrations
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MMDadoda
5/15/2020 10:10:30 AM



#26

2,2-Dichloropropane

Concen: 43.322 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.01 min

Lab File: VX016248.D

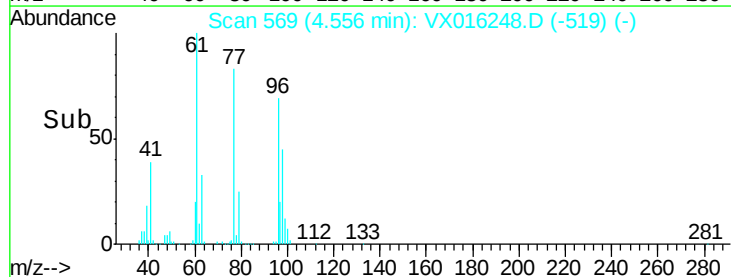
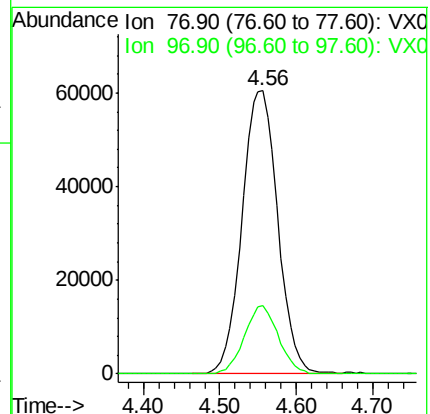
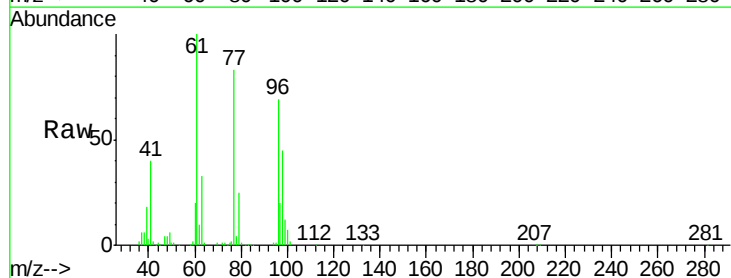
Acq: 14 May 2020 22:03

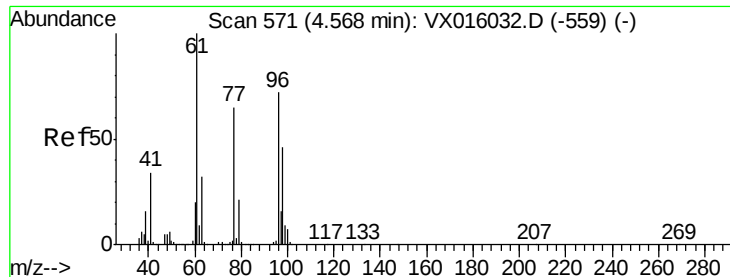
Tgt Ion: 77 Resp: 195815

Ion Ratio Lower Upper

77 100

97 23.1 11.2 33.6





#27

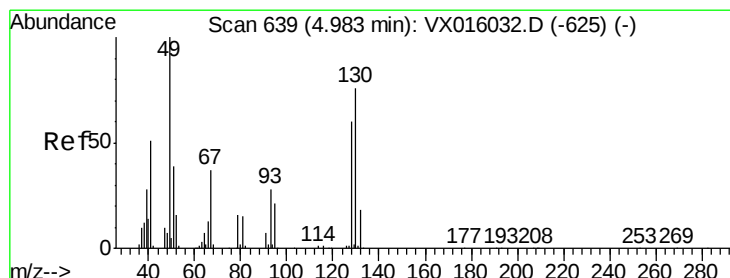
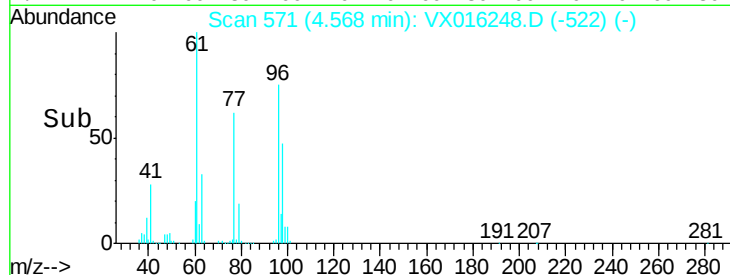
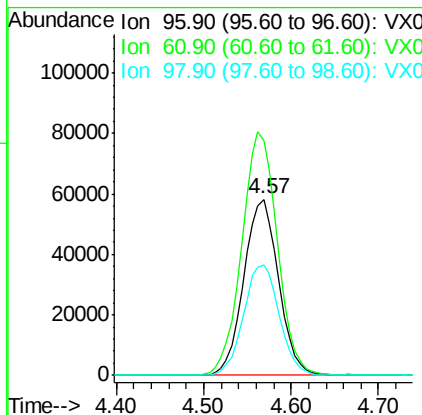
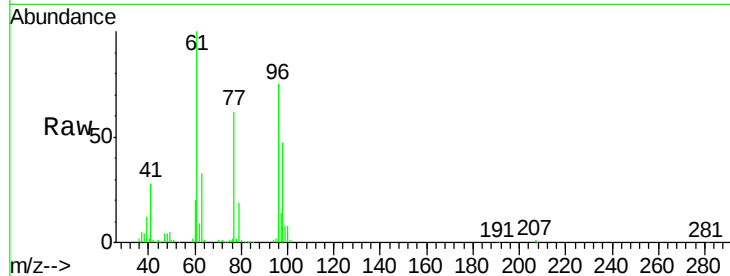
cis-1,2-Dichloroethene
Concen: 51.585 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	160742		
61	141.8	0.0	296.2	
98	64.7	0.0	129.4	

Manual Integrations
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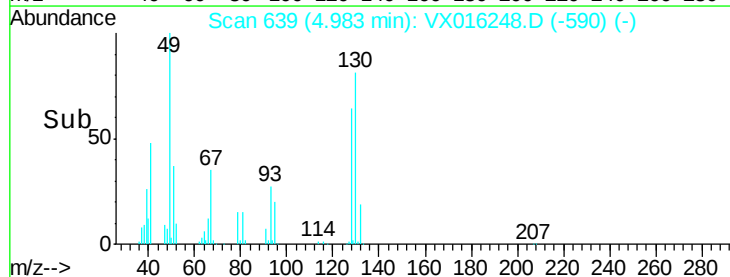
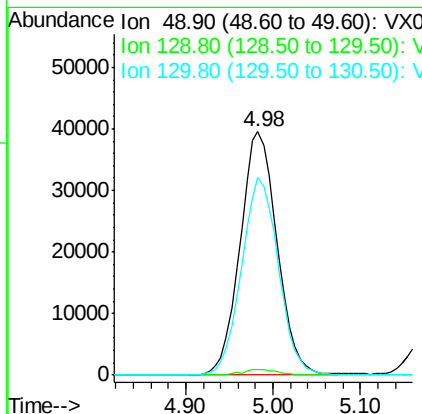
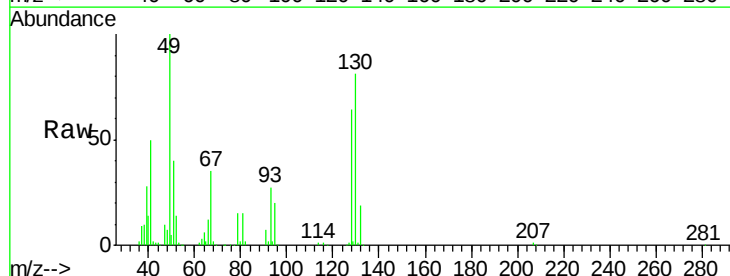
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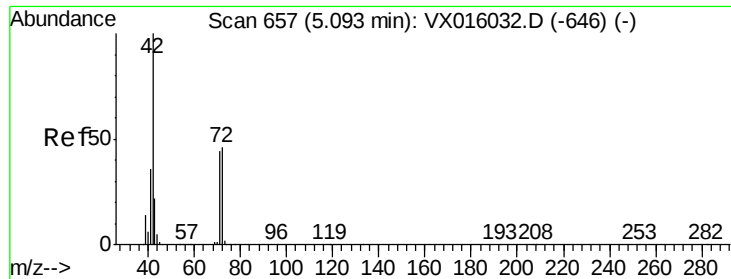


#28

Bromochloromethane
Concen: 51.624 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	116507		
129	2.2	0.0	4.0	
130	81.0	62.4	93.6	





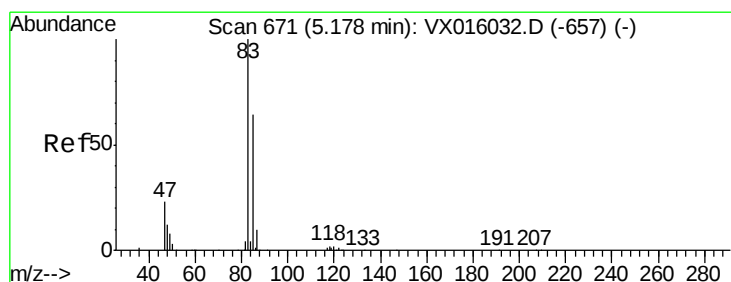
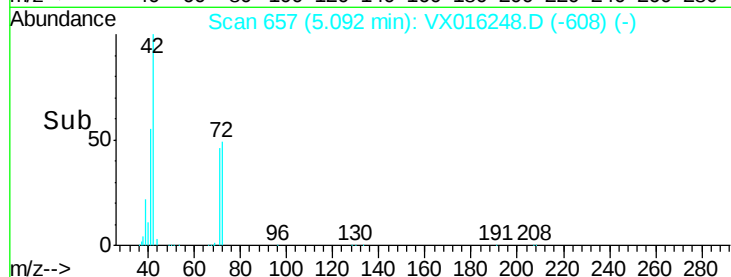
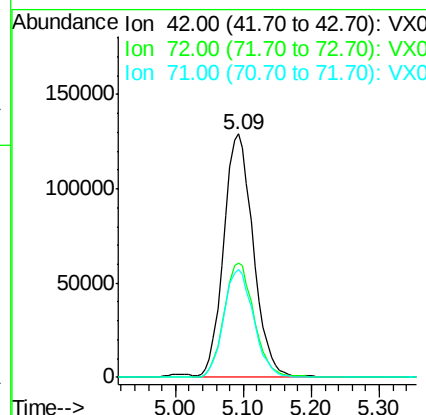
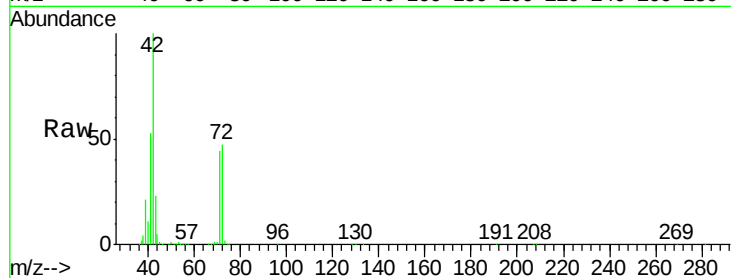
#29
Tetrahydrofuran
Concen: 251.590 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.1	37.1	55.7
71	45.0	34.5	51.7

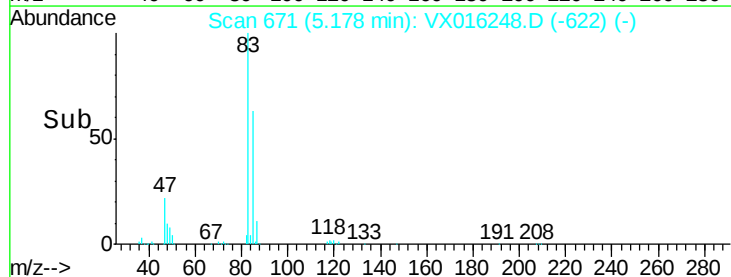
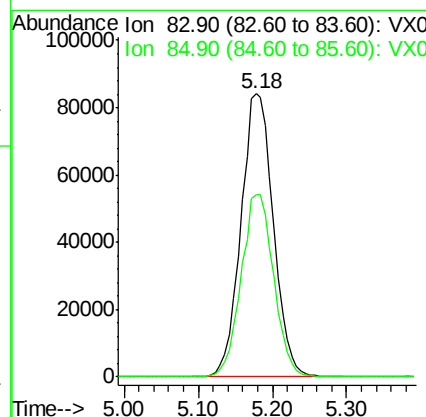
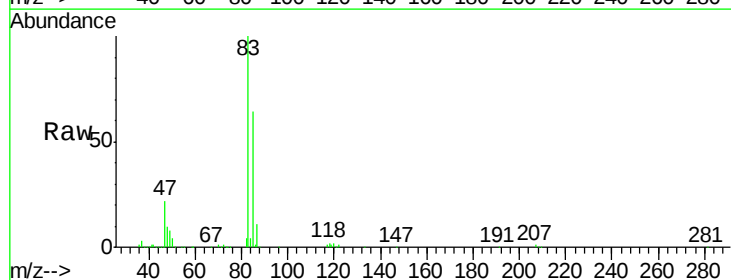
Manual Integrations
APPROVED

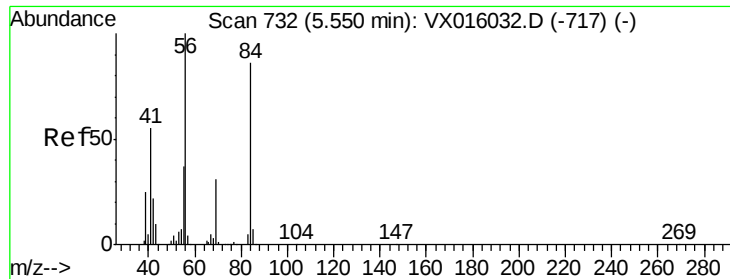
MMDadoda
5/15/2020 10:10:30 AM



#30
Chloroform
Concen: 52.091 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.6	77.4





#31

Cyclohexane

Concen: 49.216 ug/l

RT: 5.55 min Scan# 732

Delta R.T. -0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Instrument :

MSVOA_X

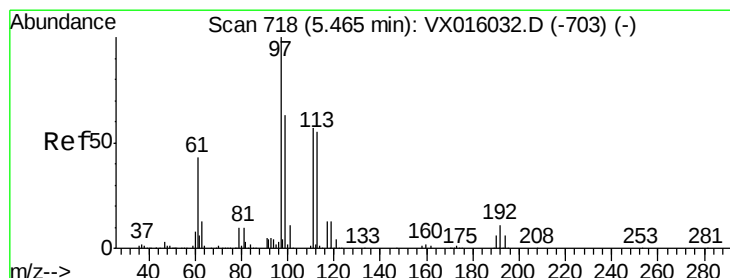
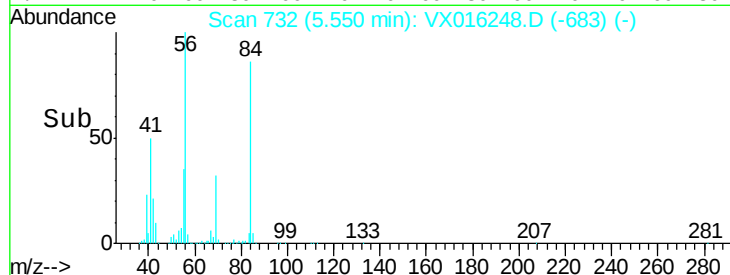
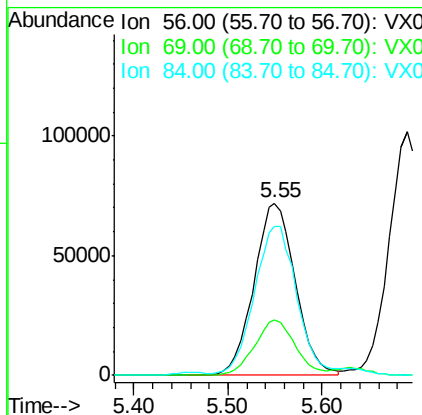
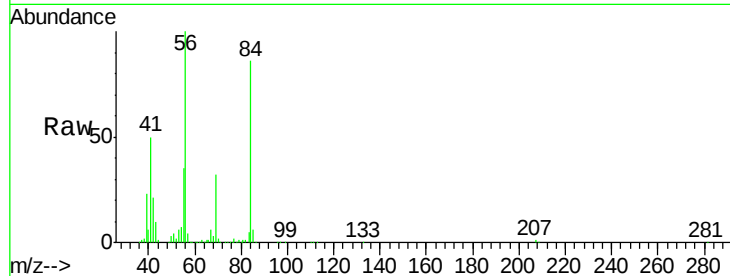
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	221373
Ion	Ratio	Lower	Upper
56	100		
69	32.5	25.0	37.6
84	85.0	69.0	103.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.535 ug/l

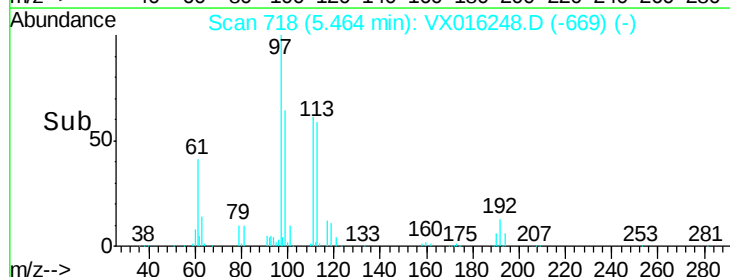
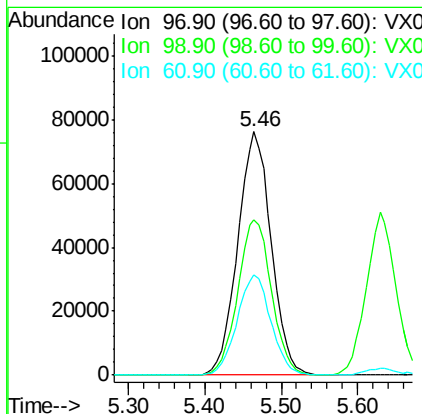
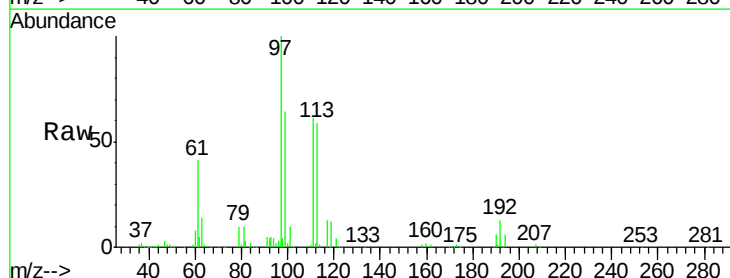
RT: 5.46 min Scan# 718

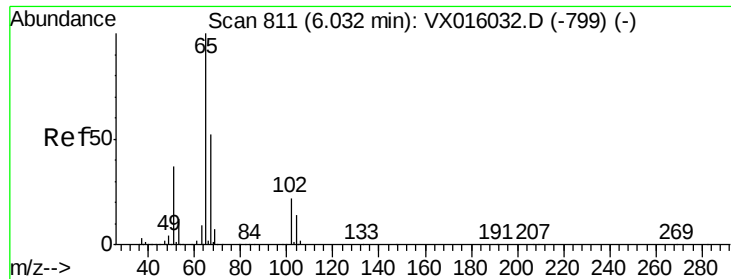
Delta R.T. -0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Tgt Ion:	97	Resp:	230843
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.4
61	41.7	34.5	51.7





#33

1,2-Dichloroethane-d4

Concen: 49.825 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 161325

Ion Ratio Lower Upper

65 100

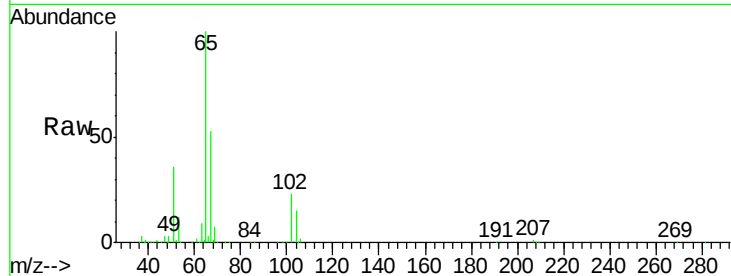
67 53.6 0.0 104.8

Manual Integrations

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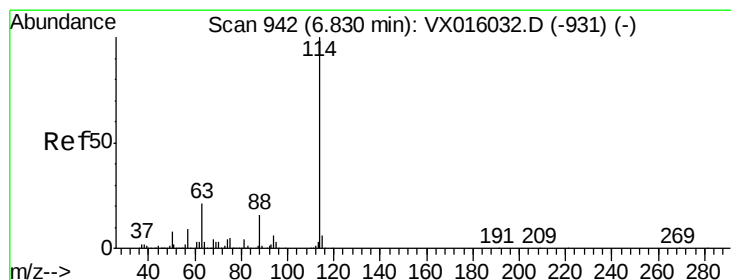
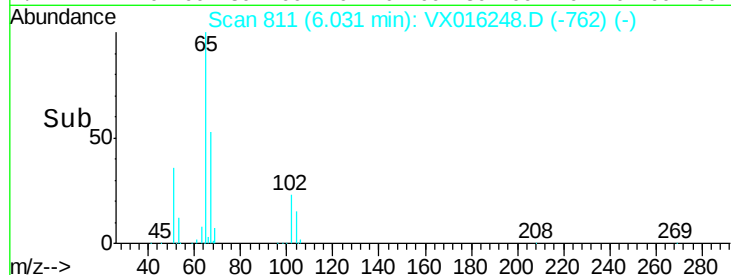
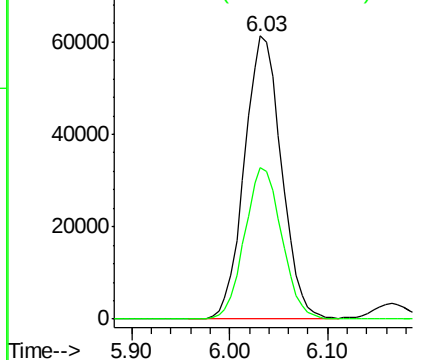
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

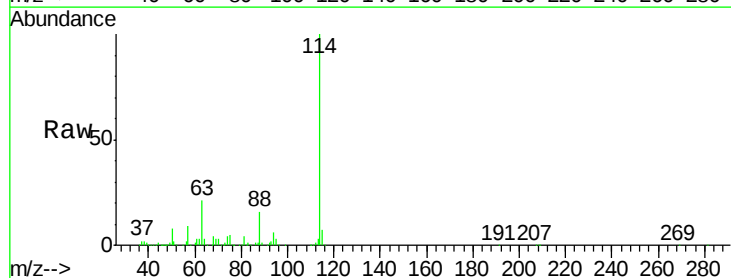
Tgt Ion: 114 Resp: 405451

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.8

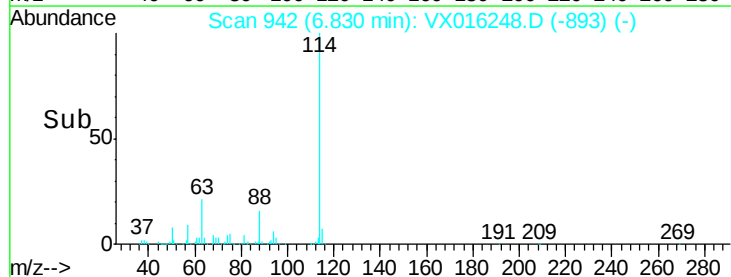
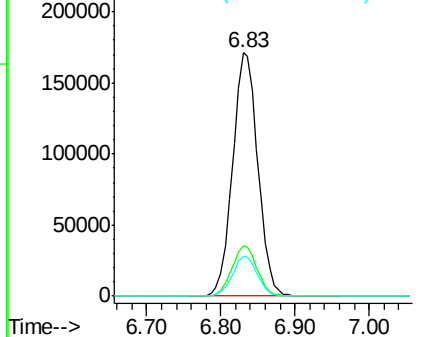
88 16.4 0.0 31.4



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: 50.787 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Instrument :

MSVOA_X

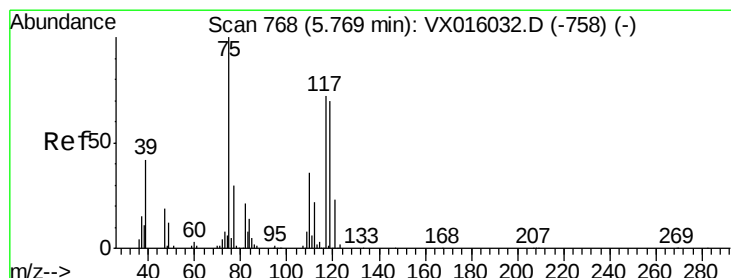
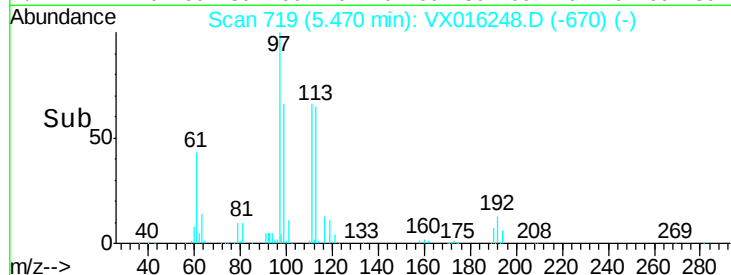
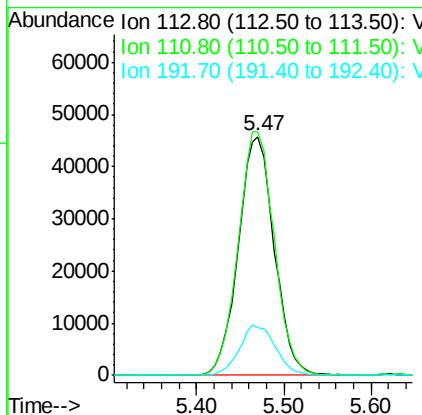
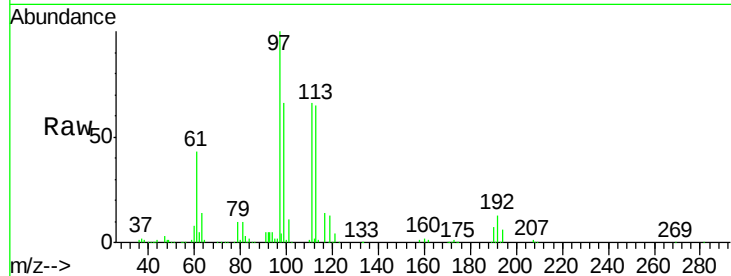
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	130457
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.6	122.4
192	21.1	17.0	25.4

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#36

1,1-Dichloropropene

Concen: 47.996 ug/l

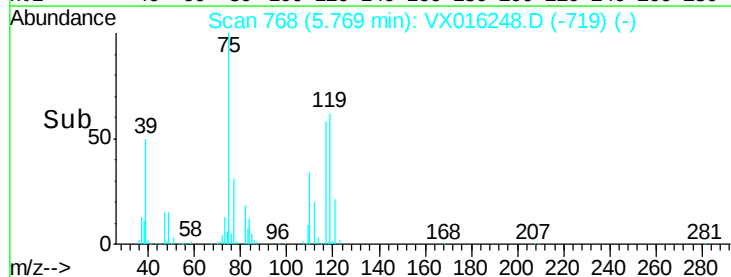
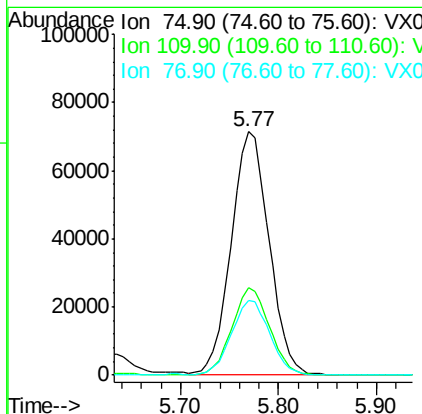
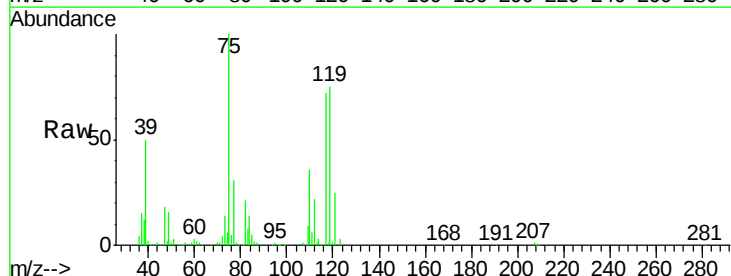
RT: 5.77 min Scan# 768

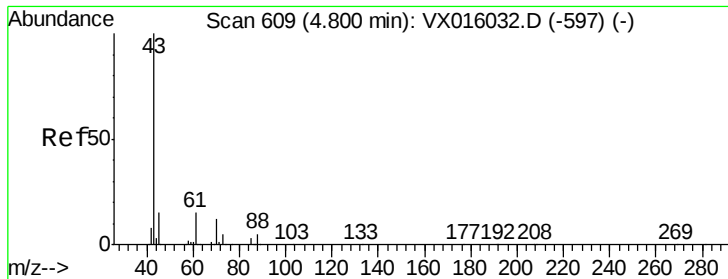
Delta R.T. -0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Tgt Ion:	75	Resp:	191558
Ion Ratio	Lower	Upper	
75	100		
110	35.8	18.1	54.1
77	31.0	25.0	37.6





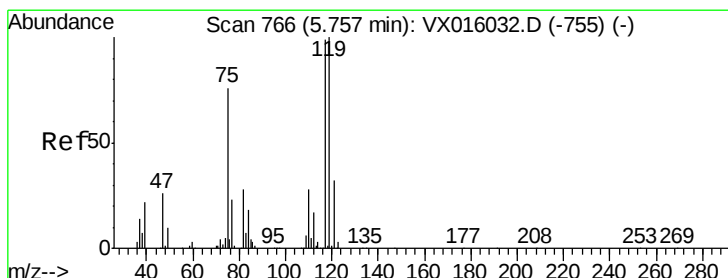
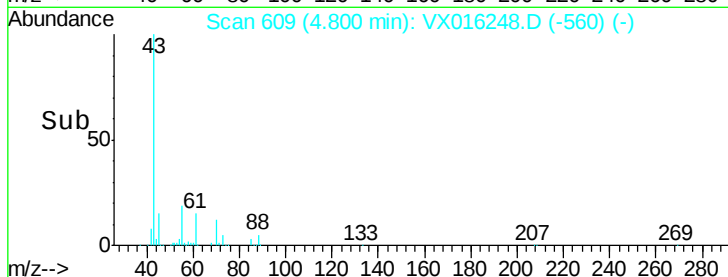
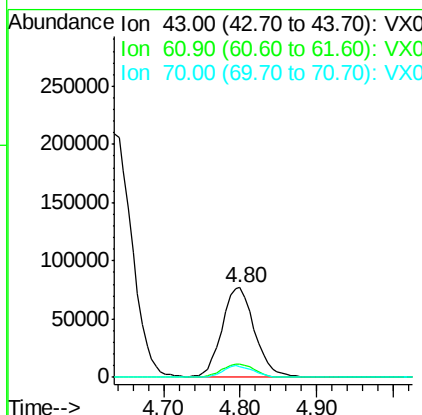
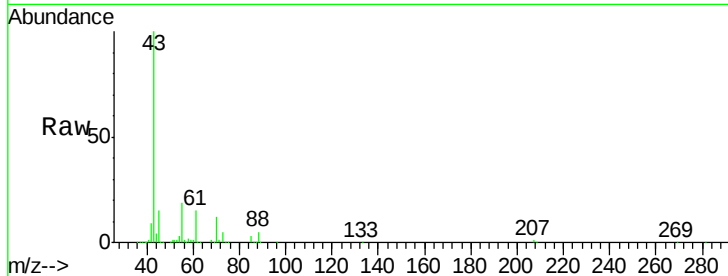
#37
Ethyl Acetate
Concen: 48.952 ug/l
RT: 4.80 min Scan# 609
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	226442
Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.7	17.5
70	12.2	9.3	13.9

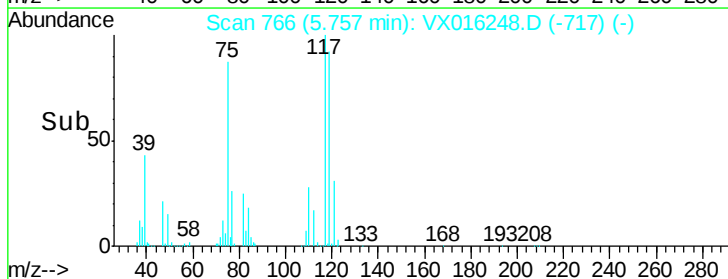
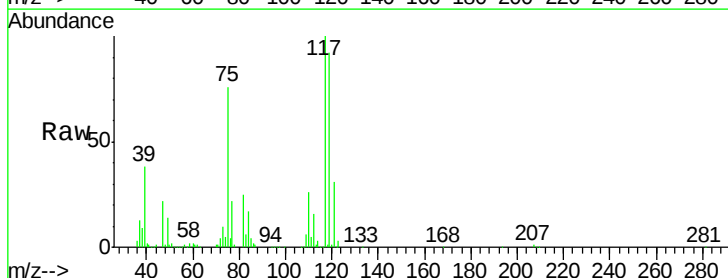
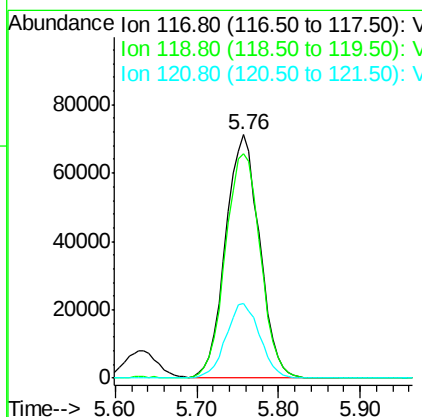
Manual Integrations
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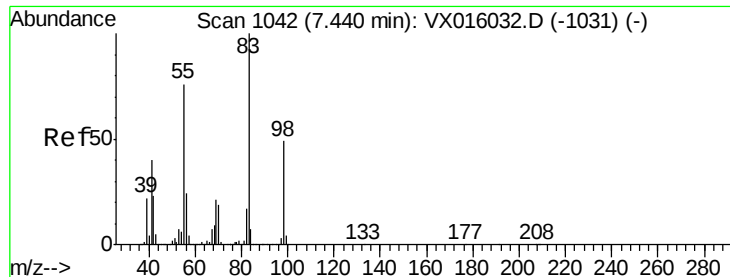
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#38
Carbon Tetrachloride
Concen: 50.571 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Tgt Ion:	117	Resp:	205148
Ion	Ratio	Lower	Upper
117	100		
119	92.3	80.3	120.5
121	30.5	25.7	38.5





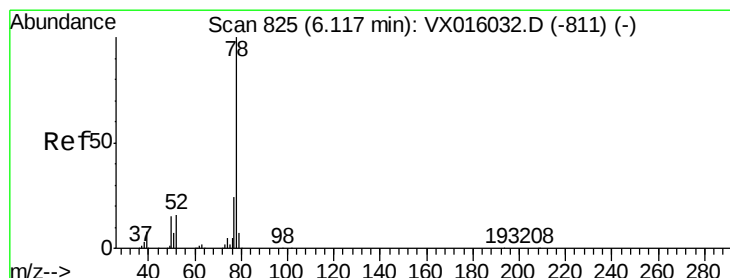
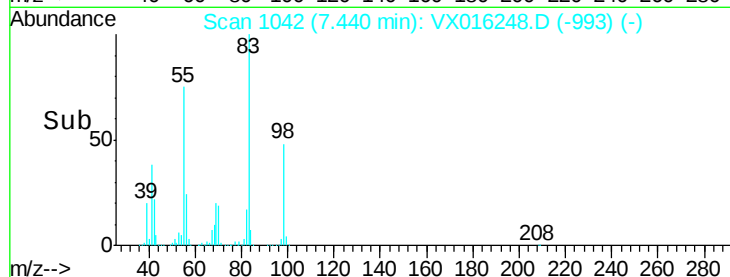
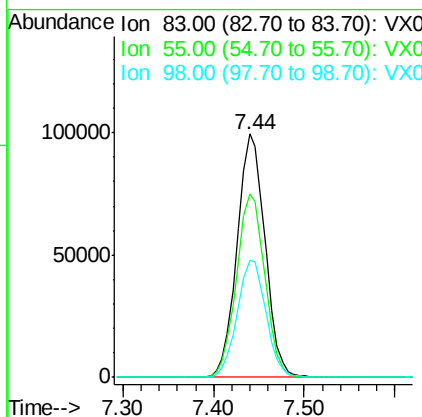
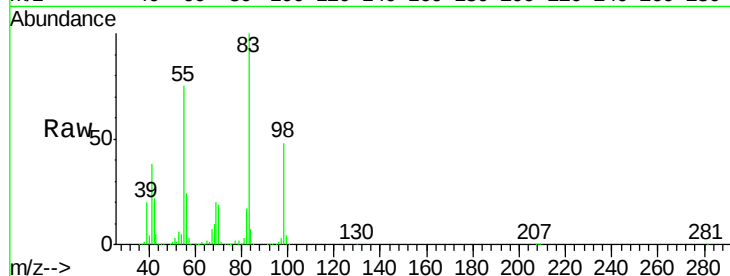
#39
Methvlcvclohexane
Concen: 44.242 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.1	61.1	91.7
98	48.0	39.0	58.4

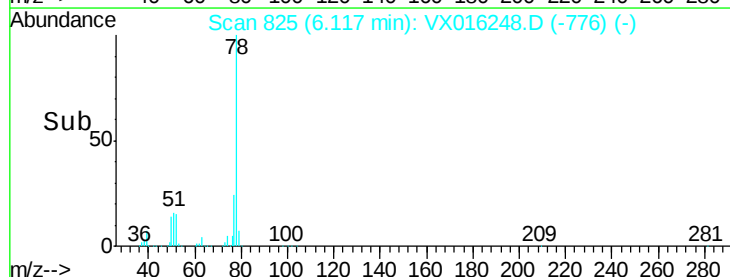
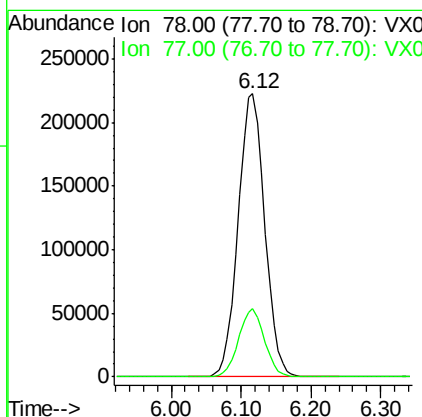
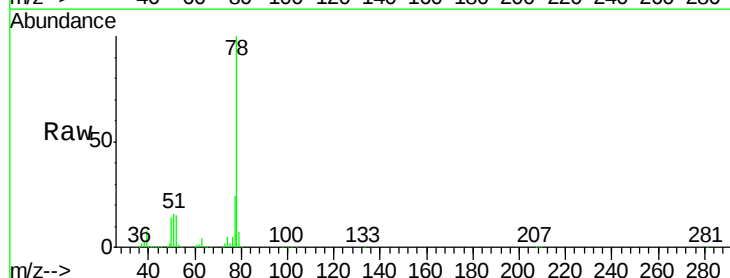
Manual Integrations
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#40
Benzene
Concen: 50.368 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4





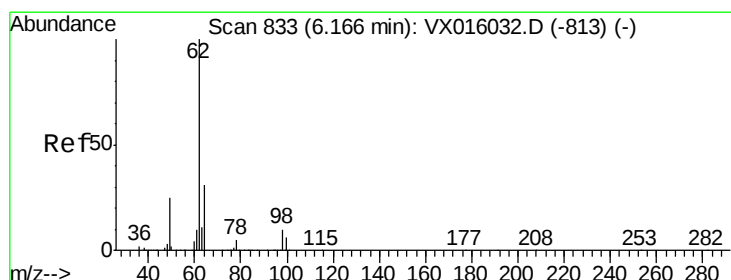
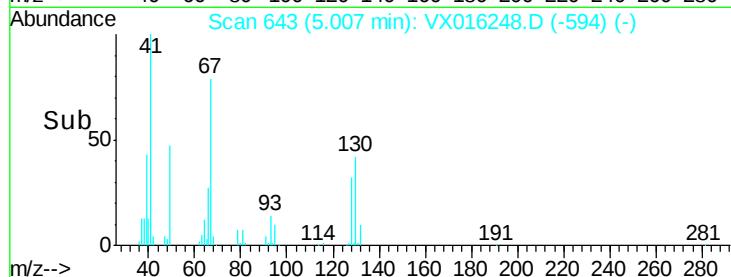
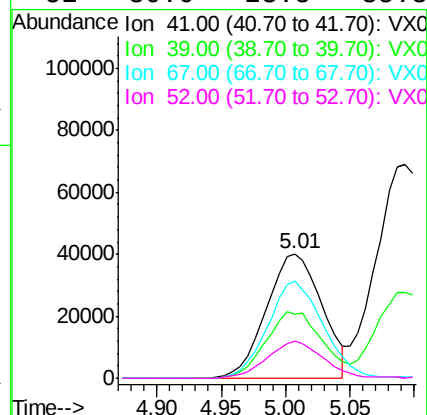
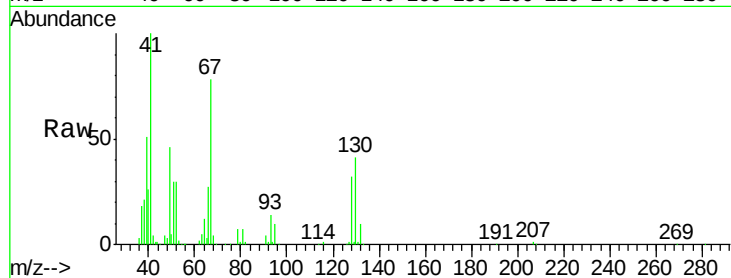
#41
Methacrylonitrile
Concen: 47.933 ug/l
RT: 5.01 min Scan# 643
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		119743		
39	54.7	43.2	64.8		
67	78.7	59.3	88.9		
52	30.0	23.5	35.3		

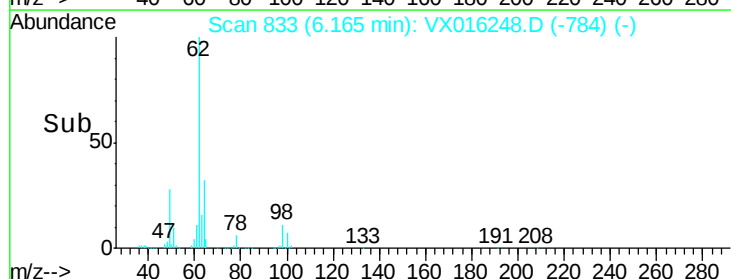
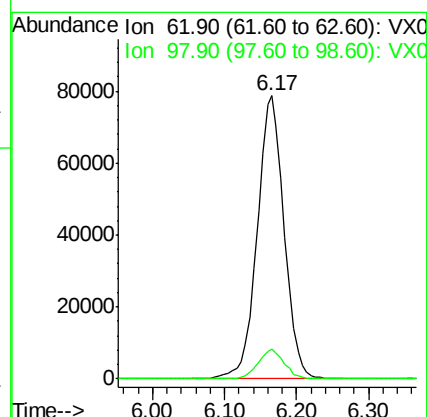
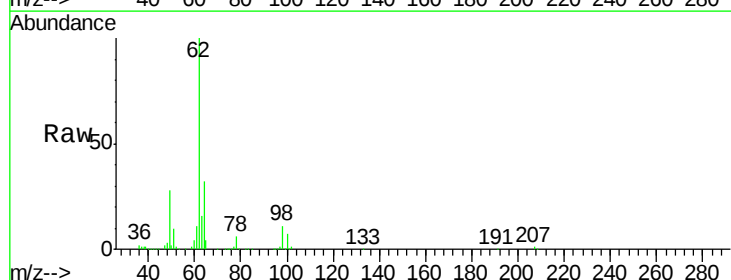
Manual Integrations
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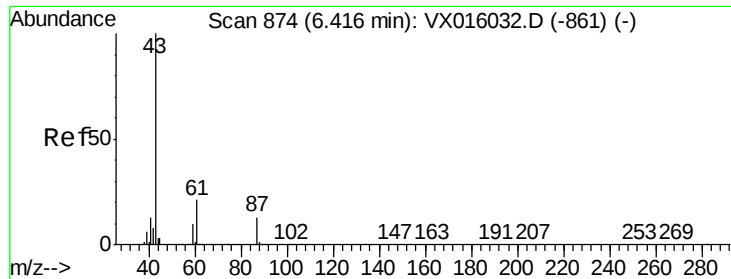
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.390 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		203562		
98	10.1	0.0	19.4		





#43

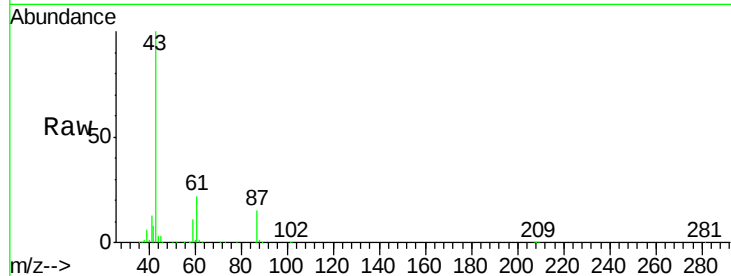
Isopropyl Acetate
 Concen: 49.073 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX016248.D
 Acq: 14 May 2020 22:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

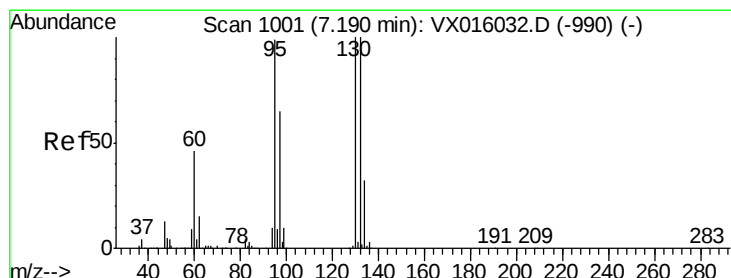
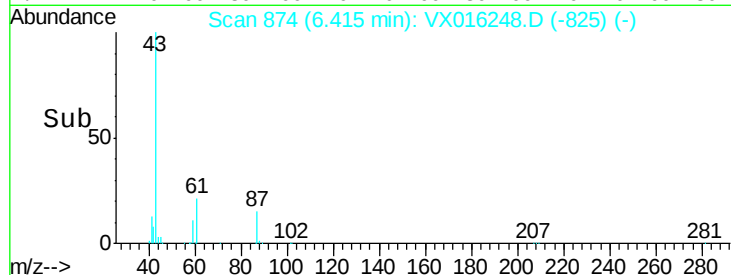
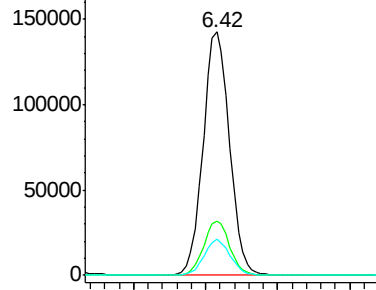
Tot Ion	Ratio	Lower	Upper
43	100		
61	22.0	17.0	25.4
87	14.5	11.0	16.6

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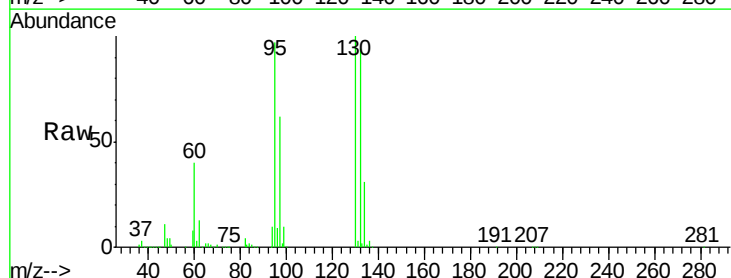
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



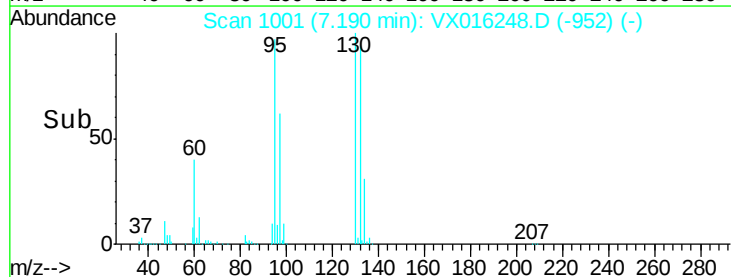
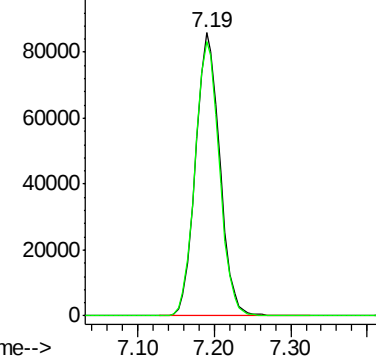
#44

Trichloroethene
 Concen: 45.239 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX016248.D
 Acq: 14 May 2020 22:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	197.4



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





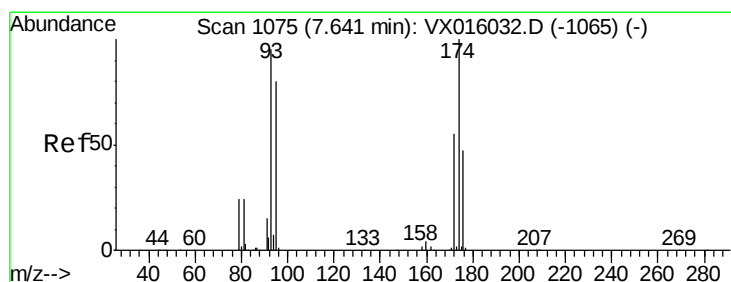
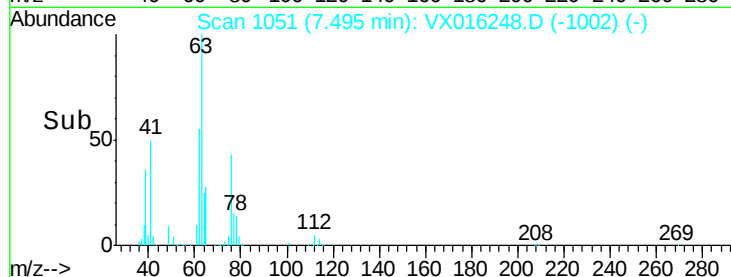
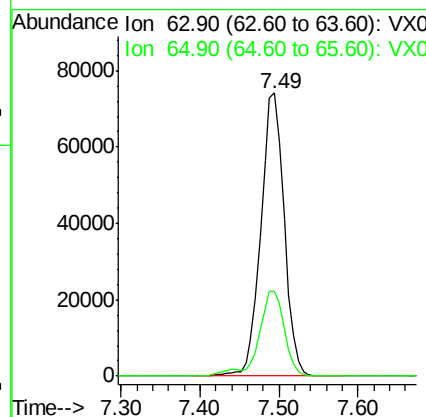
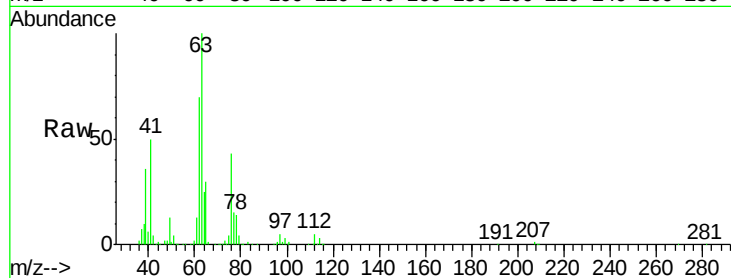
#45
 1,2-Dichloropropane
 Concen: 51.884 ug/l
 RT: 7.49 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VX016248.D
 Acq: 14 May 2020 22:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100	153310		
65	30.1		24.4	36.6

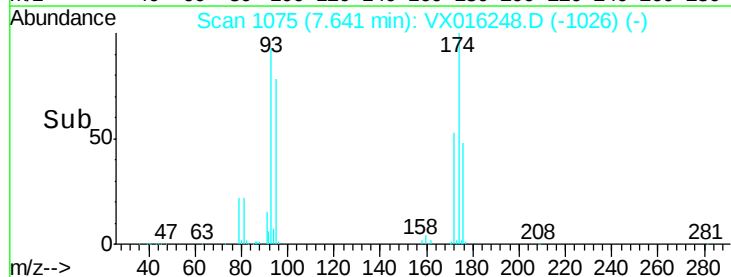
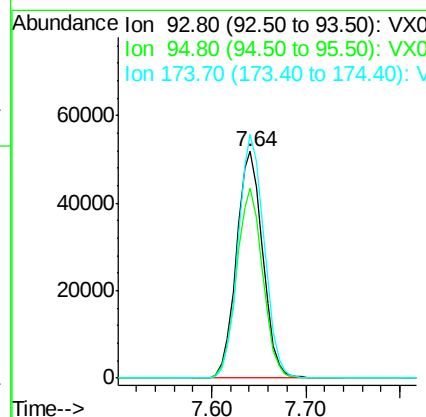
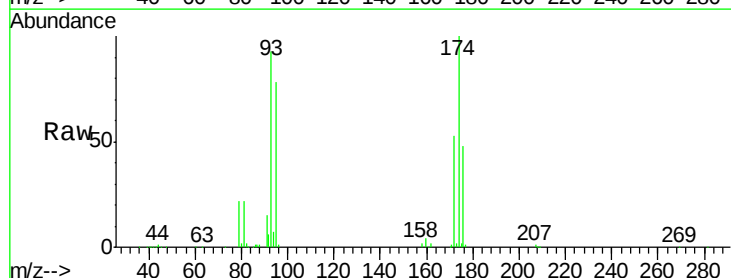
Manual Integrations
 APPROVED

MMDadoda
 5/15/2020 10:10:30 AM



#46
 Dibromomethane
 Concen: 49.817 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VX016248.D
 Acq: 14 May 2020 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	100034		
95	83.2		66.6	100.0
174	106.4		84.2	126.4





#47

Bromodichloromethane

Concen: 51.426 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Instrument :

MSVOA_X

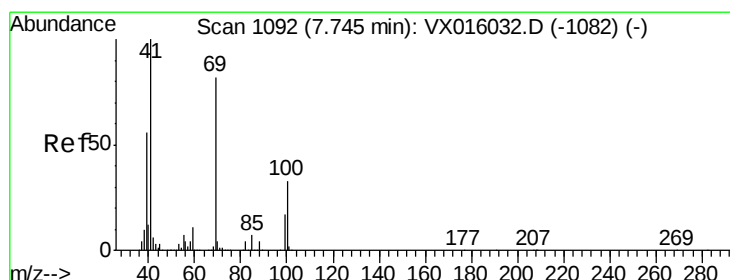
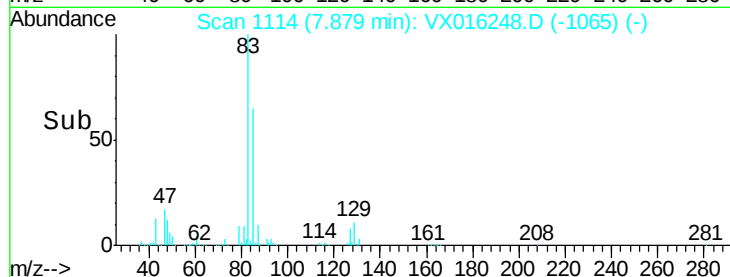
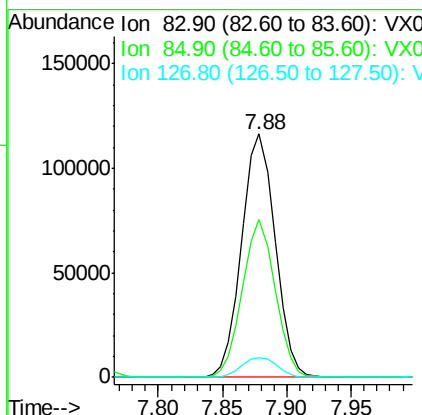
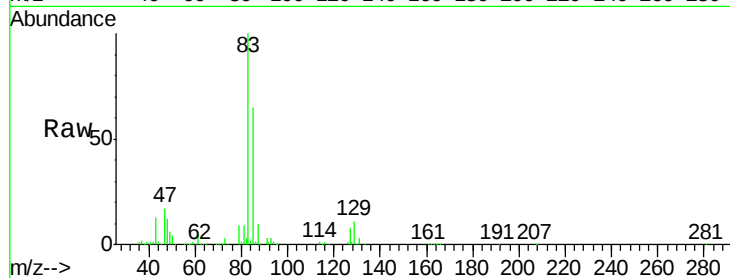
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	210317
Ion Ratio	Lower	Upper	
83	100		
85	64.9	50.5	75.7
127	8.2	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
5/15/2020 10:10:30 AM



#48

Methyl methacrylate

Concen: 48.754 ug/l

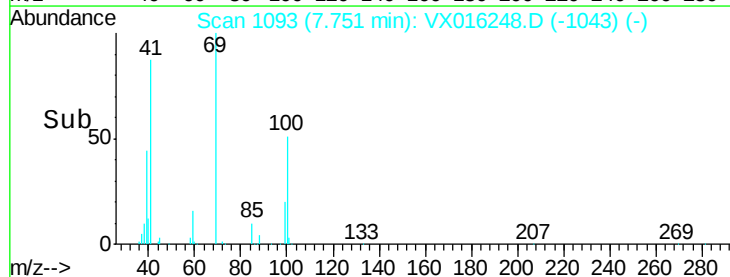
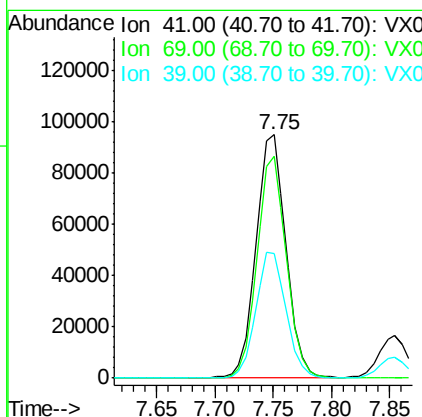
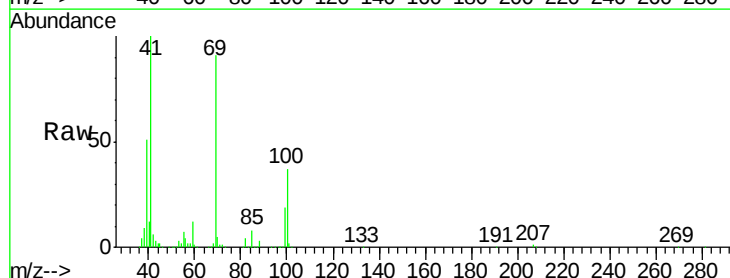
RT: 7.75 min Scan# 1093

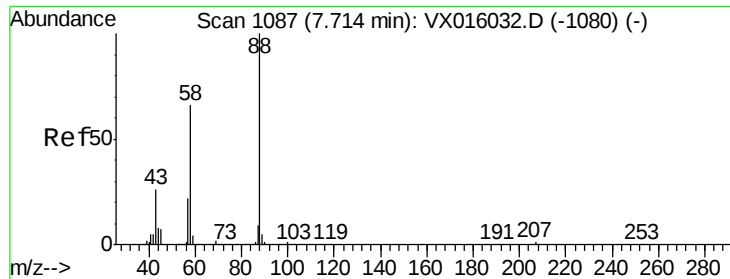
Delta R.T. 0.01 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Tgt Ion:	41	Resp:	170507
Ion Ratio	Lower	Upper	
41	100		
69	89.6	67.8	101.6
39	52.2	44.6	67.0





#49

1,4-Dioxane

Concen: 924.394 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Instrument :

MSVOA_X

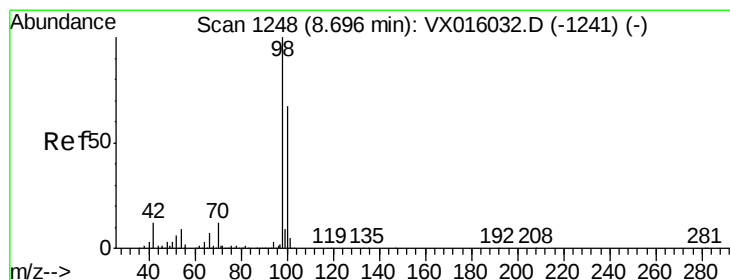
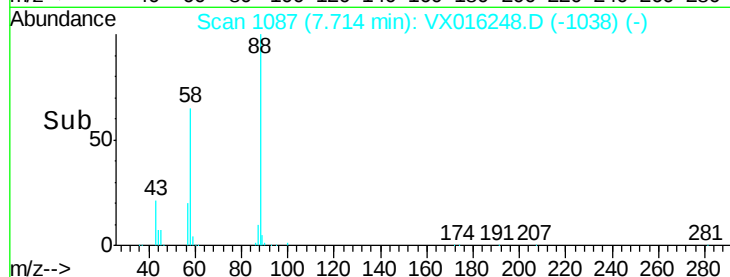
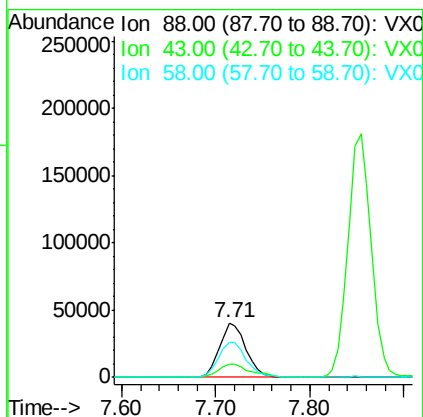
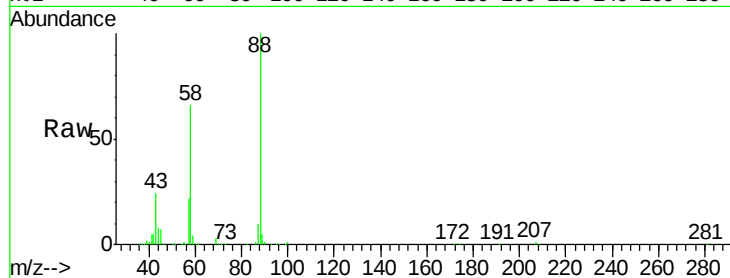
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	77535
Ion	Ratio	Lower	Upper
88	100		
43	29.1	25.3	37.9
58	69.2	55.9	83.9

Manual Integrations
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MMDadoda
5/15/2020 10:10:30 AM



#50

Toluene-d8

Concen: 51.555 ug/l

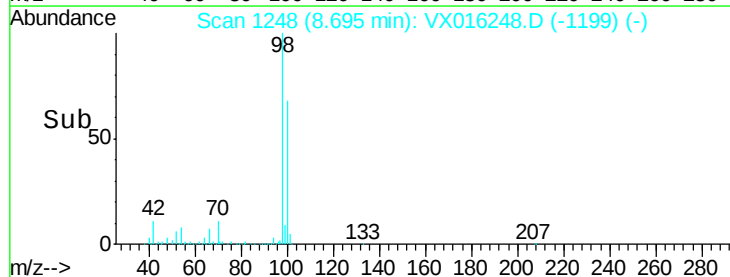
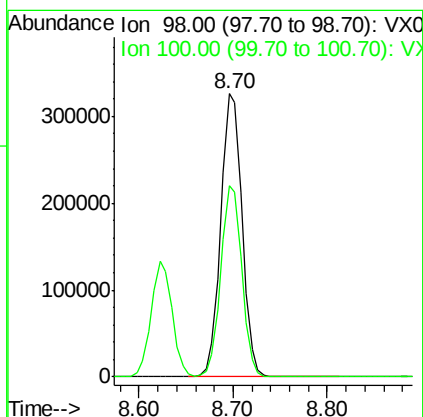
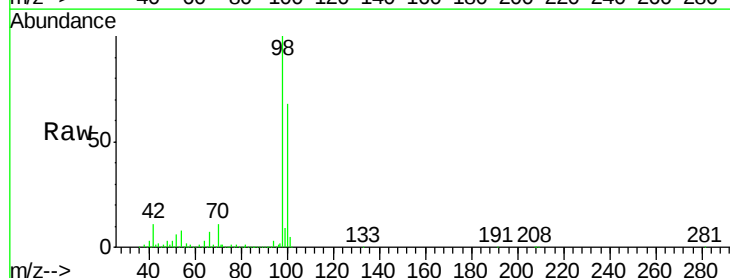
RT: 8.70 min Scan# 1248

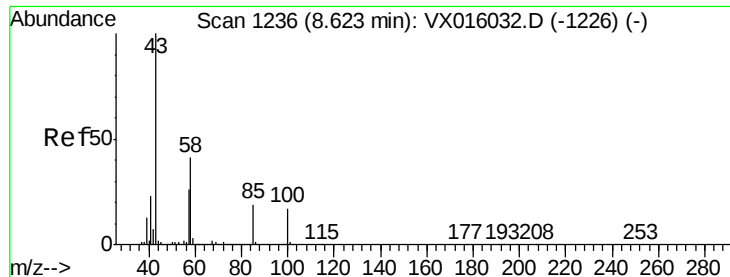
Delta R.T. -0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Tgt Ion:	98	Resp:	510262
Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 254.866 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1151102

Ion Ratio Lower Upper

43 100

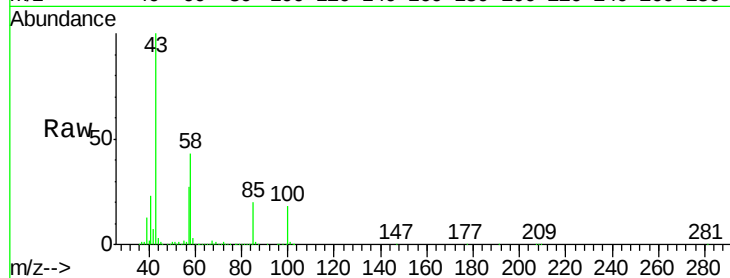
58 42.4 33.0 49.4

Manual Integrations

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MMDadoda

5/15/2020 10:10:30 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

800000

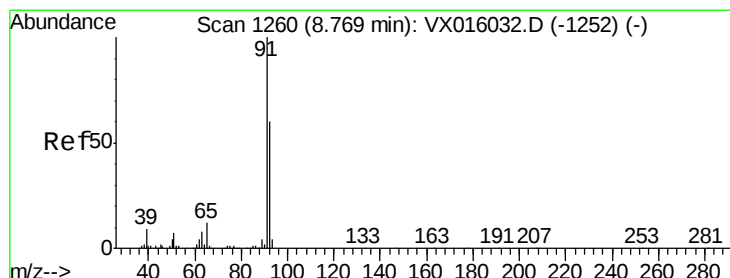
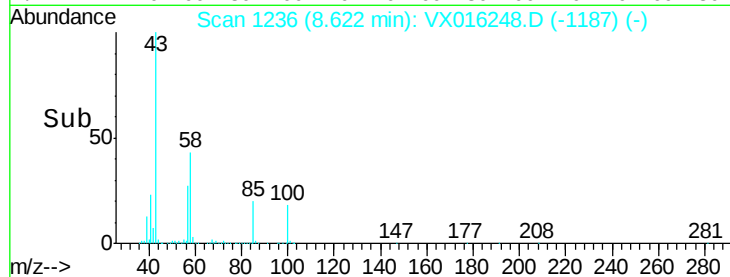
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.401 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016248.D

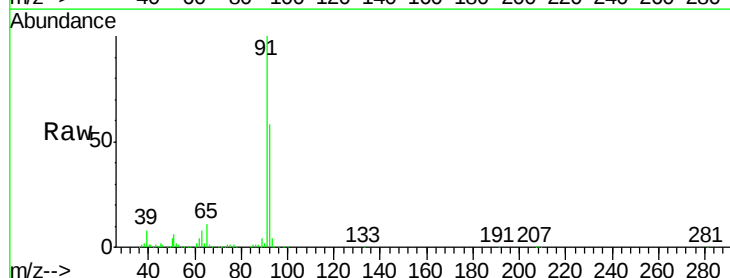
Acq: 14 May 2020 22:03

Tgt Ion: 92 Resp: 366862

Ion Ratio Lower Upper

92 100

91 170.7 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.77

400000

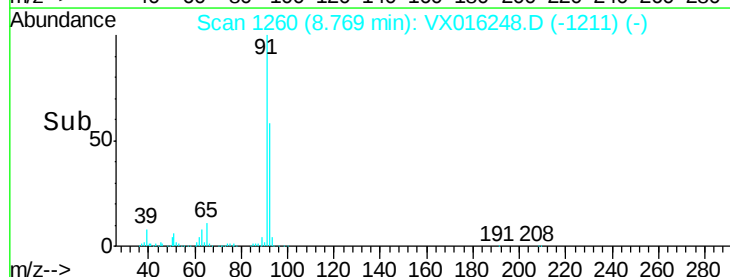
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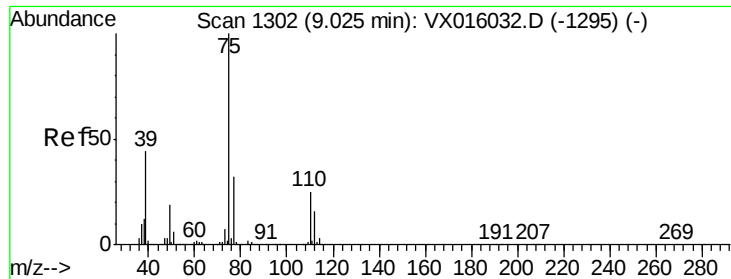
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100000

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Time-->





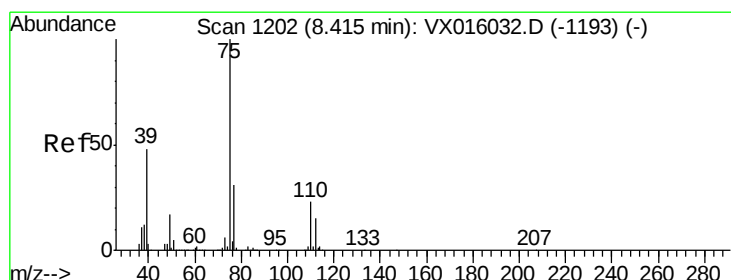
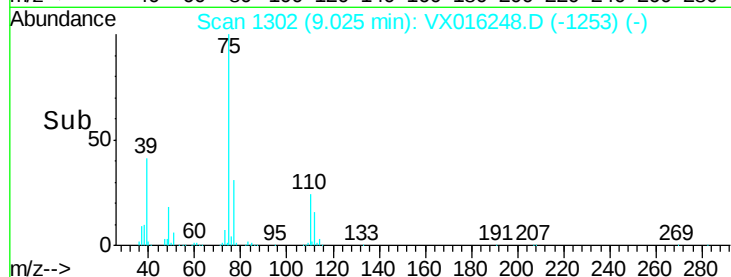
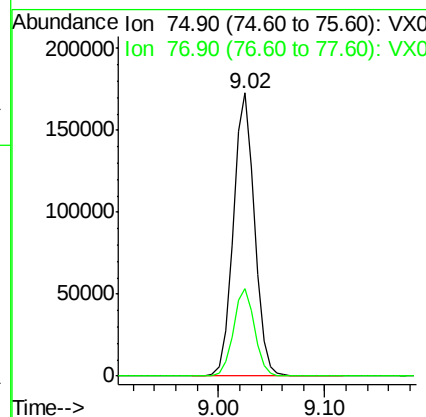
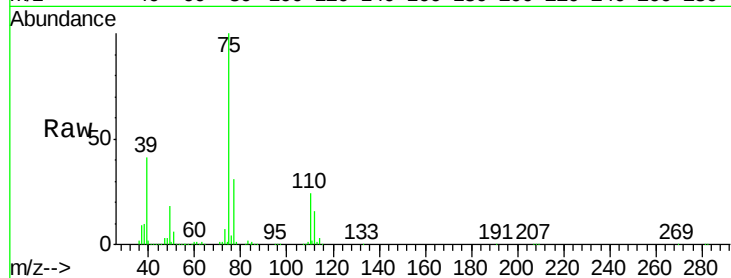
#53
t-1,3-Dichloropropene
Concen: 49.419 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.7	38.5

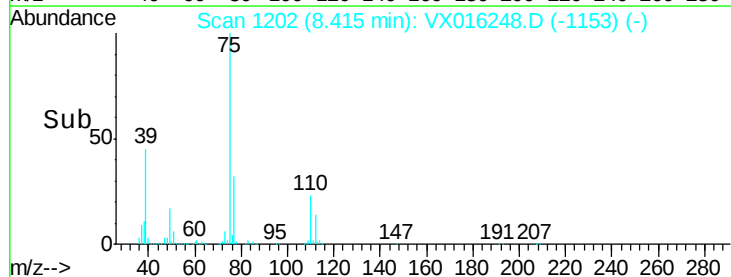
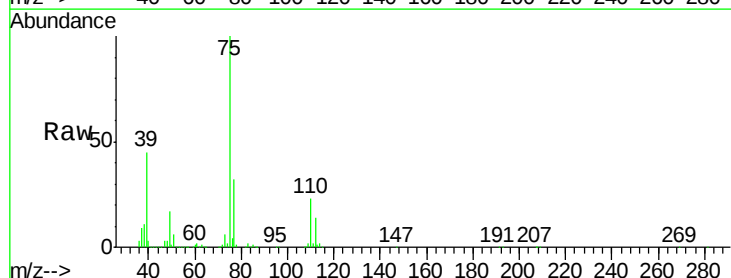
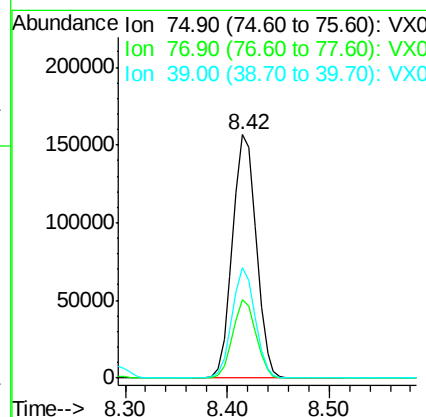
Manual Integrations
APPROVED

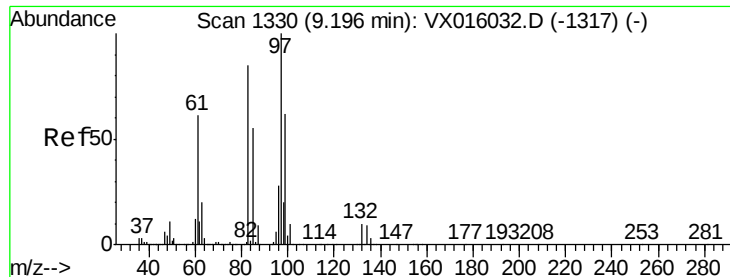
MMDadoda
5/15/2020 10:10:30 AM



#54
cis-1,3-Dichloropropene
Concen: 49.512 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.7	37.1
39	45.1	38.7	58.1





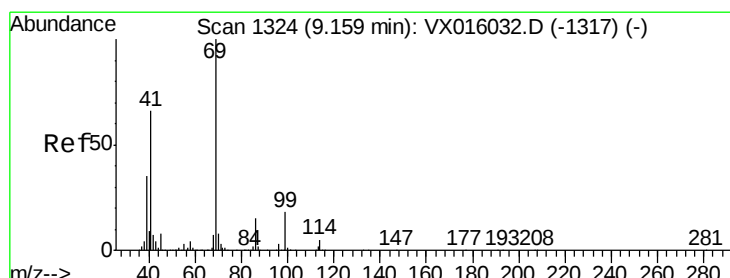
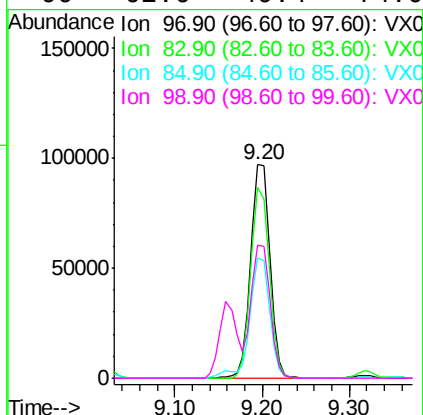
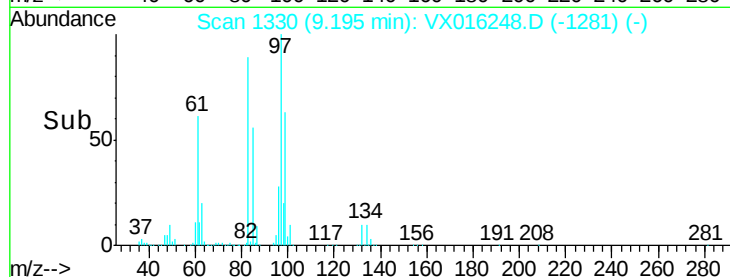
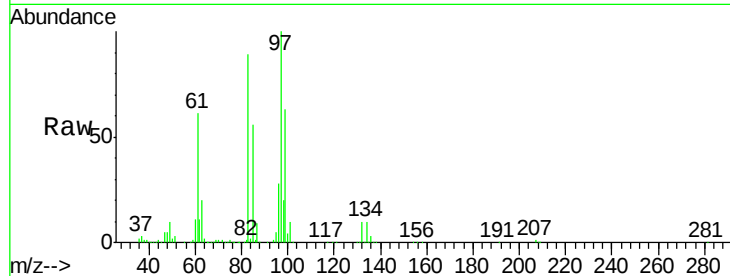
#55
 1,1,2-Trichloroethane
 Concen: 51.849 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016248.D
 Acq: 14 May 2020 22:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	148484
Ion	Ratio	Lower	Upper
97	100		
83	89.1	67.8	101.8
85	56.3	43.8	65.8
99	62.6	49.4	74.0

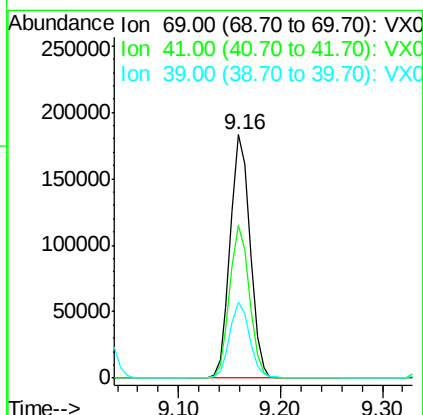
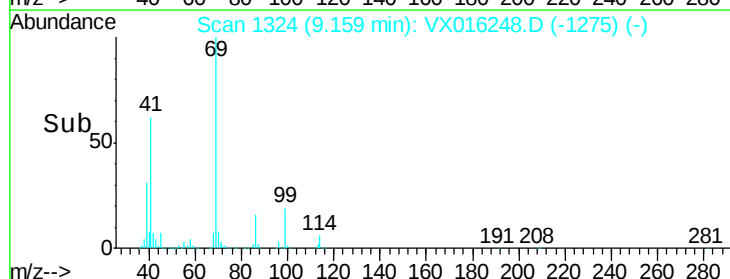
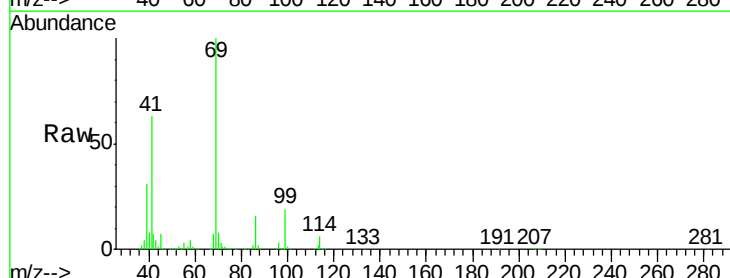
Manual Integrations
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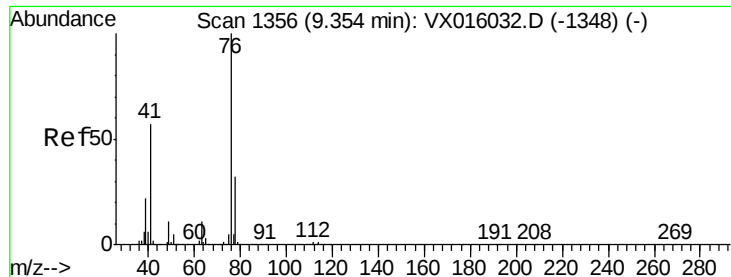
MMDadoda
 5/15/2020 10:10:30 AM



#56
 Ethyl methacrylate
 Concen: 52.652 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016248.D
 Acq: 14 May 2020 22:03

Tgt Ion:	69	Resp:	246130
Ion	Ratio	Lower	Upper
69	100		
41	62.2	52.2	78.4
39	31.5	28.2	42.4





#57

1,3-Dichloropropane

Concen: 52.041 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 260053

Ion Ratio Lower Upper

76 100

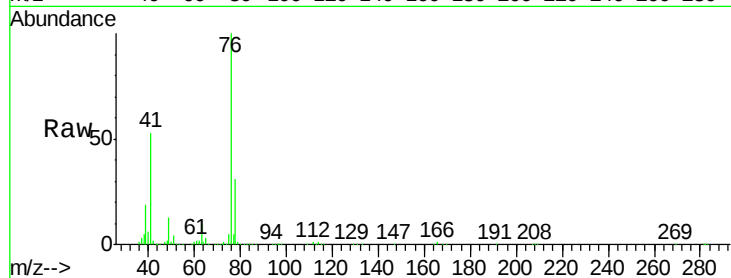
78 31.8 25.9 38.9

Manual Integrations

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MMDadoda

5/15/2020 10:10:30 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

200000

150000

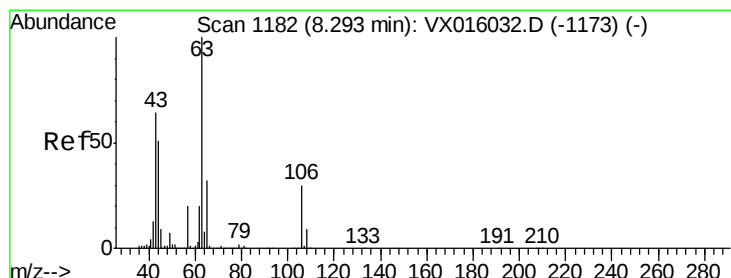
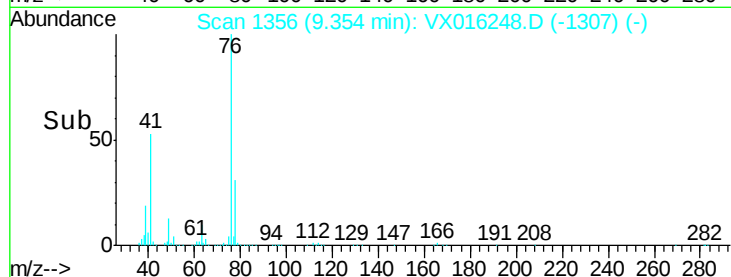
100000

50000

0

9.30 9.40

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 254.077 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX016248.D

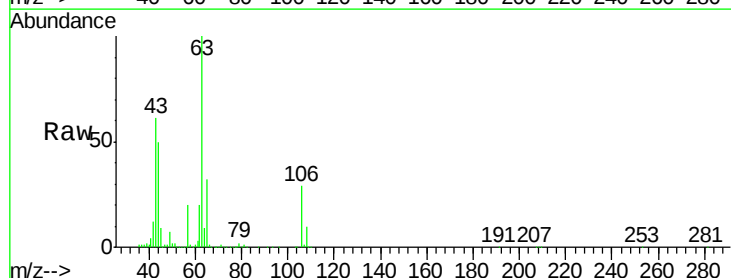
Acq: 14 May 2020 22:03

Tgt Ion: 63 Resp: 632308

Ion Ratio Lower Upper

63 100

106 29.2 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.29

400000

300000

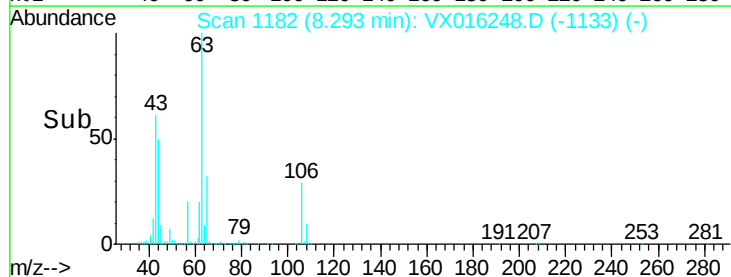
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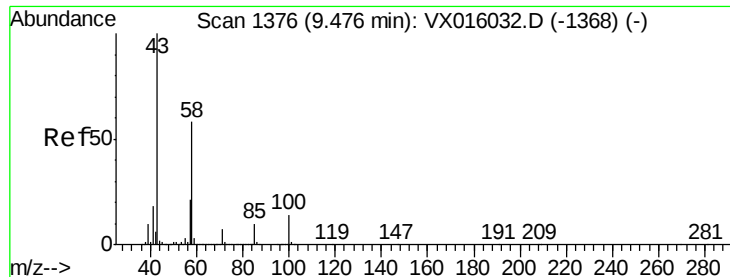
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8.20 8.30 8.40

Time-->





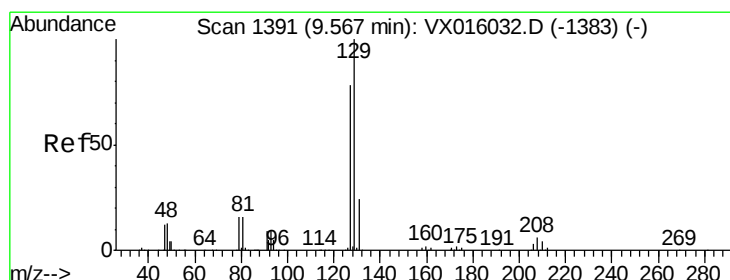
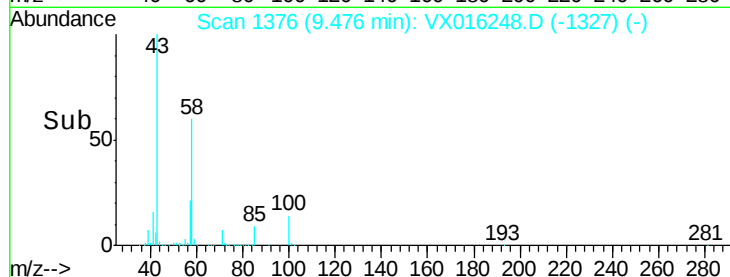
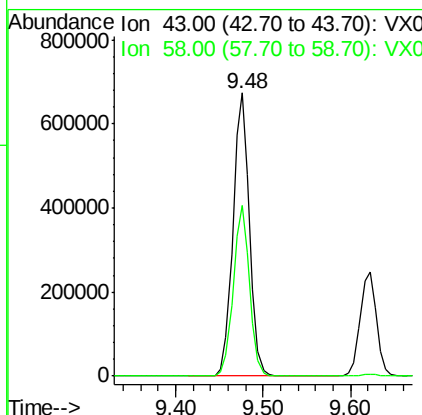
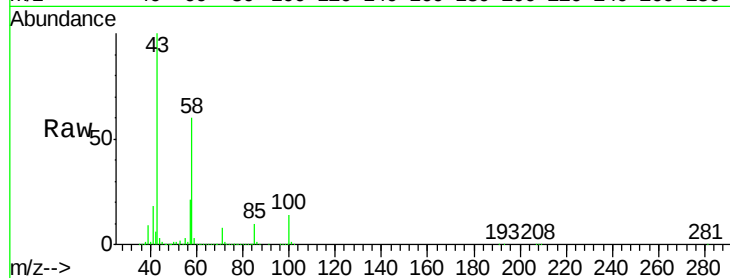
#59
2-Hexanone
Concen: 249.343 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.5	28.6	85.9

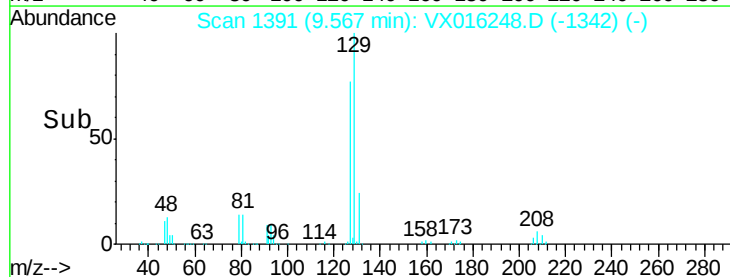
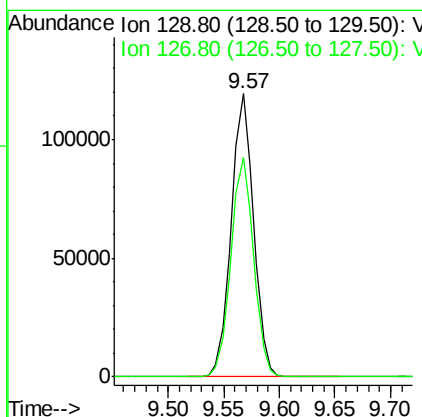
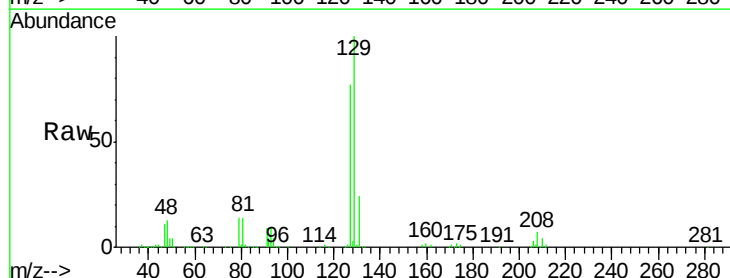
Manual Integrations
APPROVED

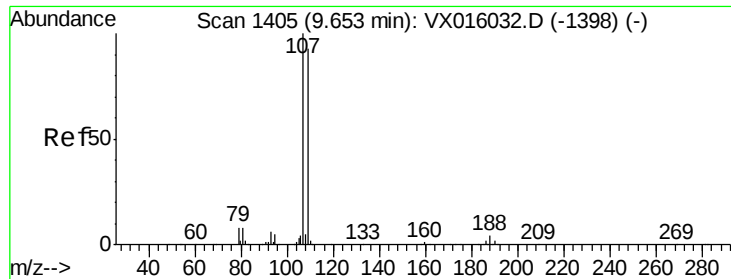
MMDadoda
5/15/2020 10:10:30 AM



#60
Dibromochloromethane
Concen: 52.664 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.4	115.2





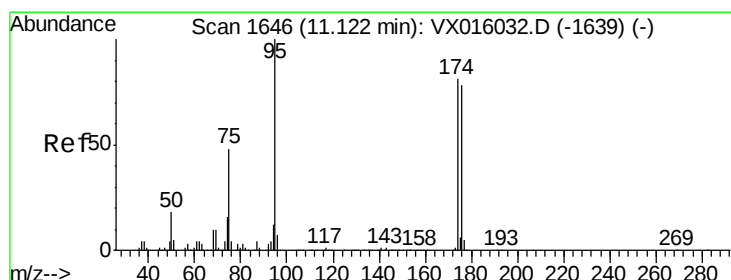
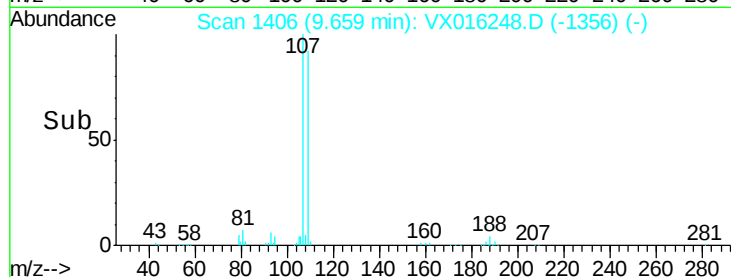
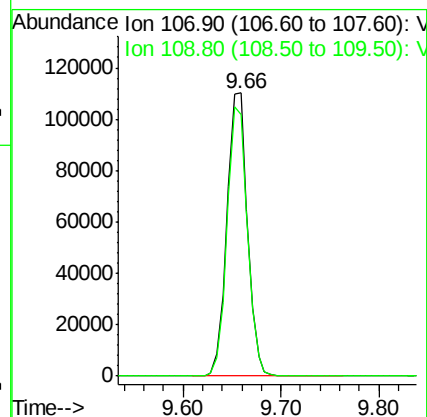
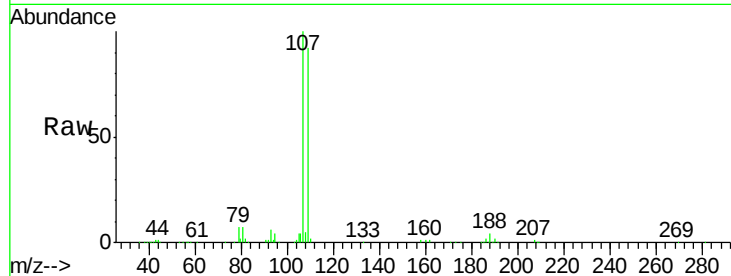
#61
 1,2-Dibromoethane
 Concen: 51.775 ug/l
 RT: 9.66 min Scan# 1406
 Delta R.T. 0.01 min
 Lab File: VX016248.D
 Acq: 14 May 2020 22:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	160607		
109	94.7	74.9	112.3	

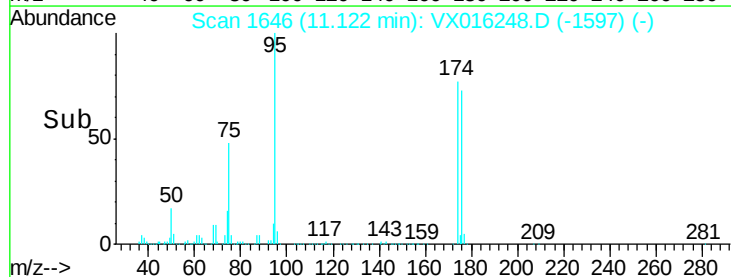
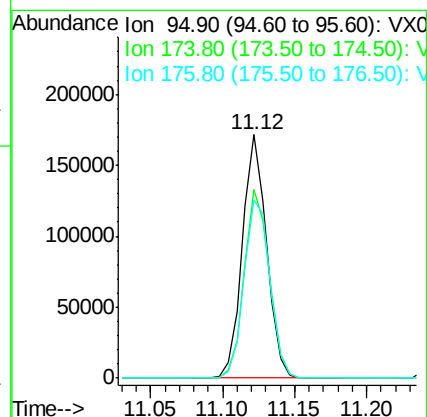
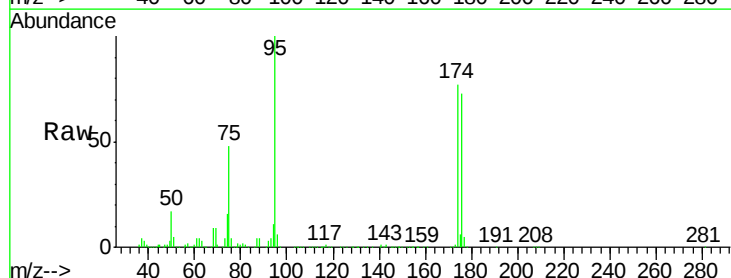
Manual Integrations
 APPROVED

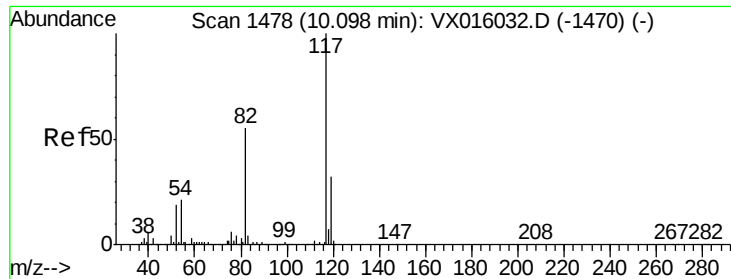
MMDadoda
 5/15/2020 10:10:30 AM



#62
 4-Bromofluorobenzene
 Concen: 53.277 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX016248.D
 Acq: 14 May 2020 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	200563		
174	79.8	0.0	159.4	
176	78.3	0.0	157.6	





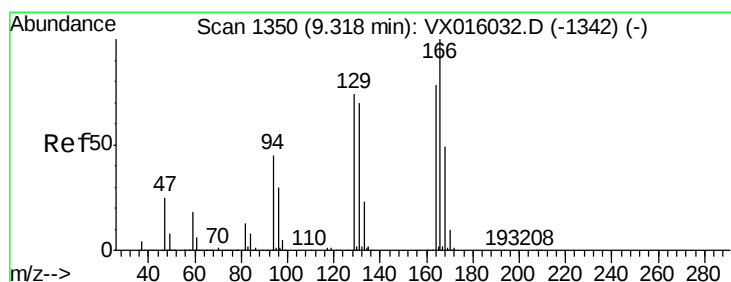
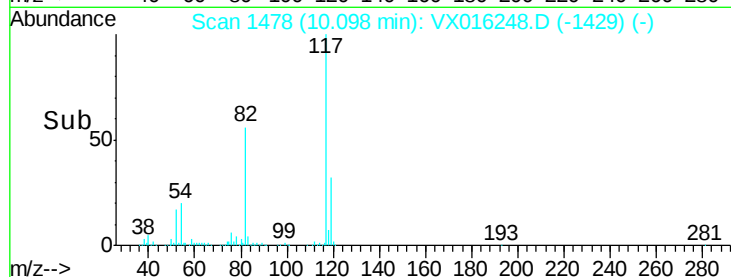
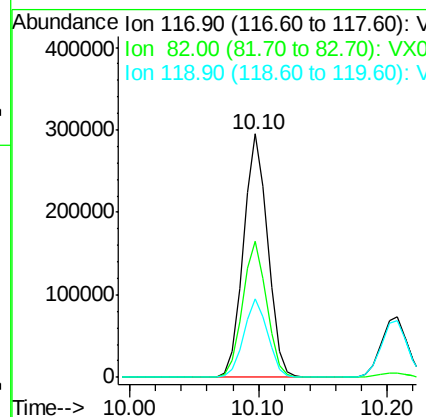
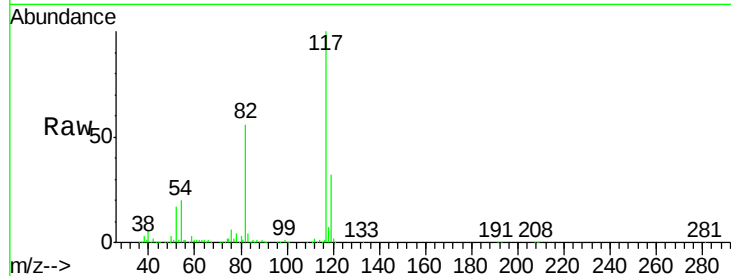
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	56.1	44.4	66.6	
119	32.3	25.5	38.3	

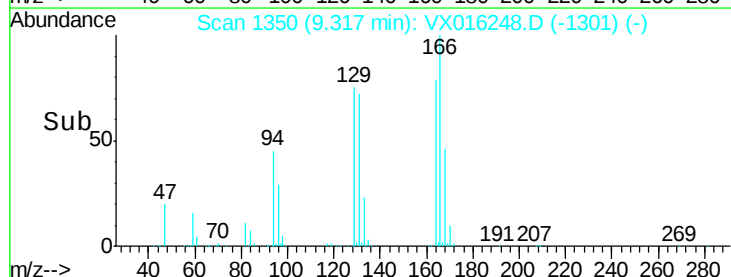
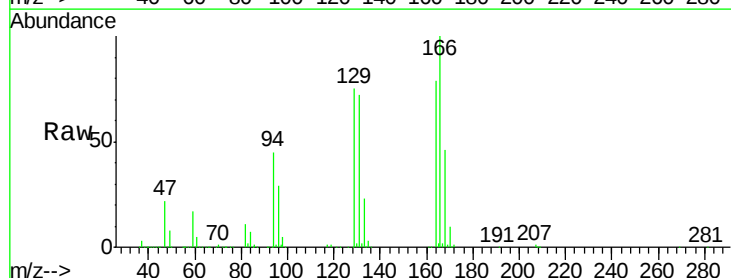
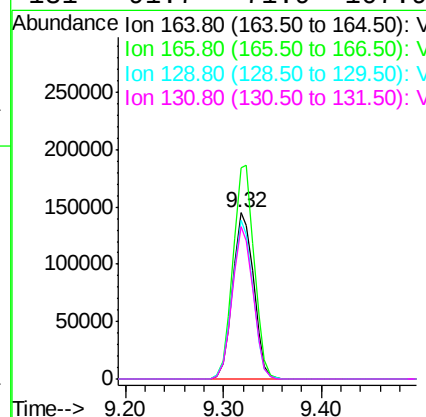
Manual Integrations
APPROVED

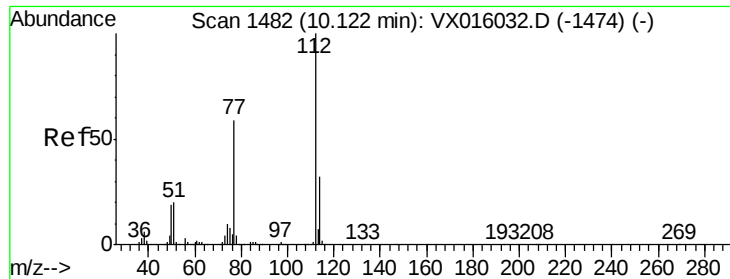
MMDadoda
5/15/2020 10:10:30 AM



#64
Tetrachloroethene
Concen: 45.836 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	127.3	102.9	154.3	
129	96.1	76.1	114.1	
131	91.7	71.9	107.9	





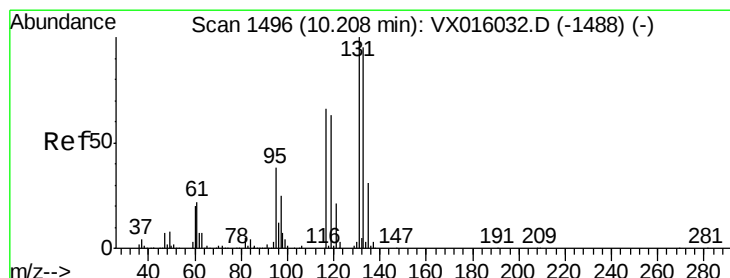
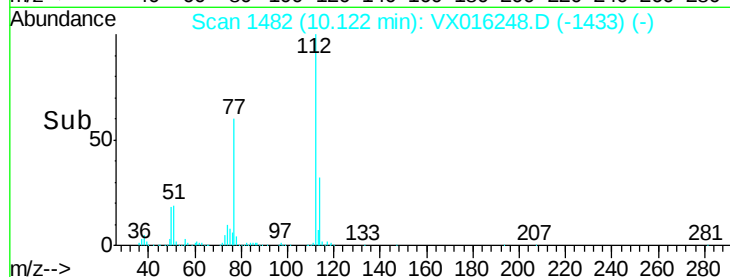
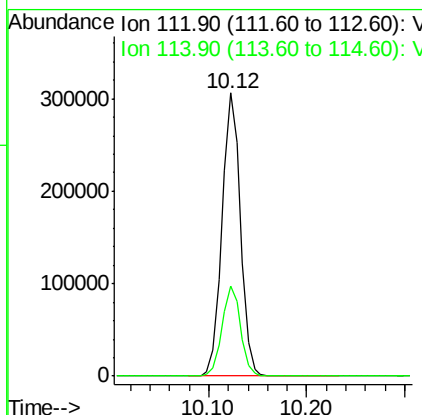
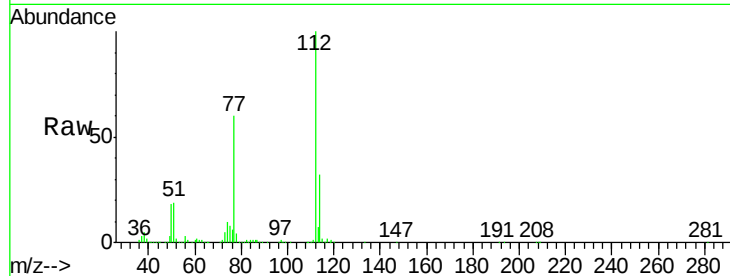
#65
Chlorobenzene
Concen: 49.792 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.7	38.5

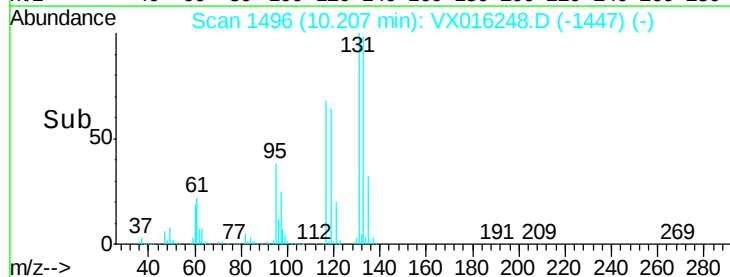
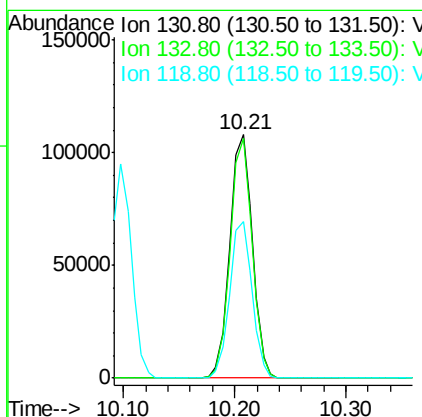
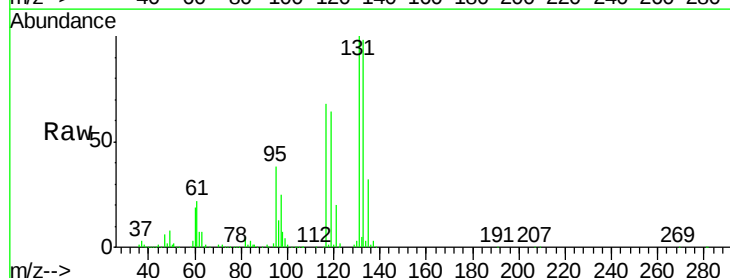
Manual Integrations
APPROVED

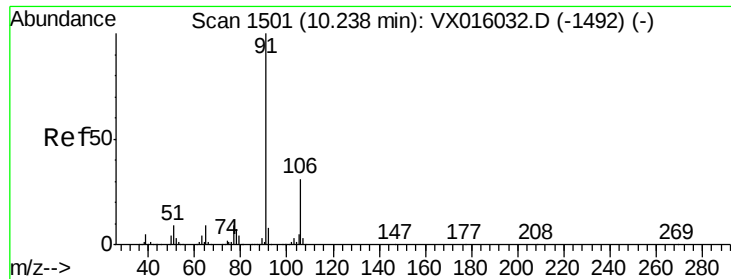
MMDadoda
5/15/2020 10:10:30 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.061 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.3	144.8
119	64.0	32.3	96.9





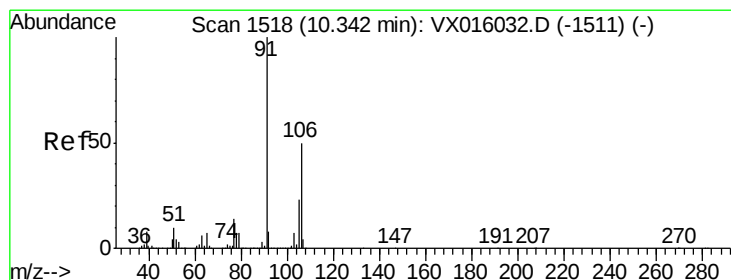
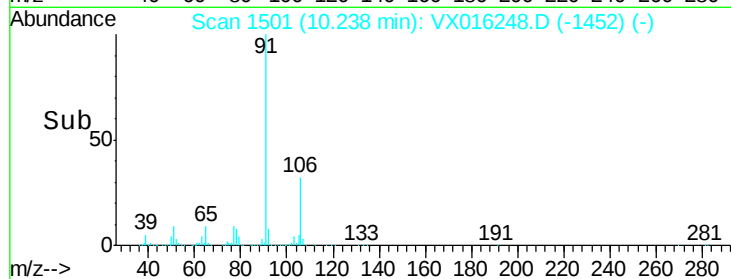
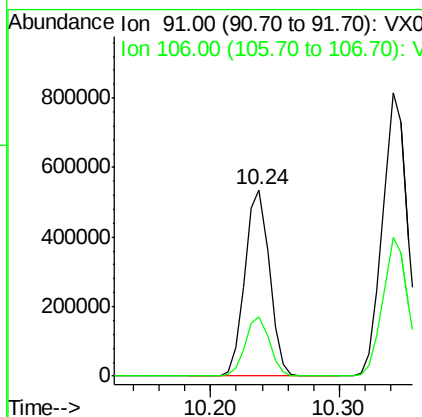
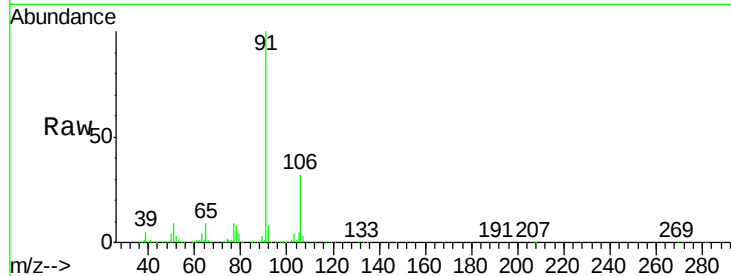
#67
Ethyl Benzene
Concen: 49.078 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 701668
Ion Ratio Lower Upper
91 100
106 32.0 25.1 37.7

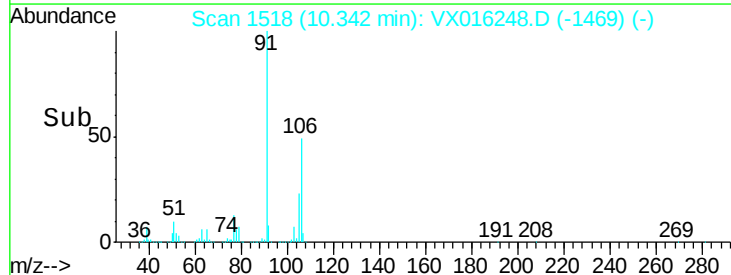
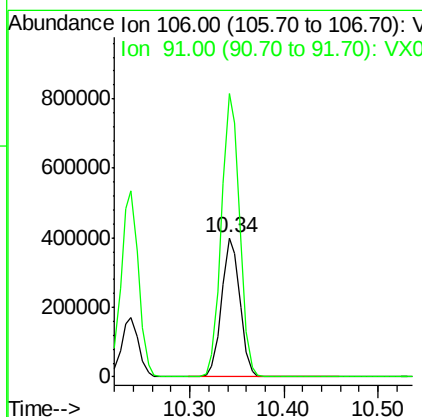
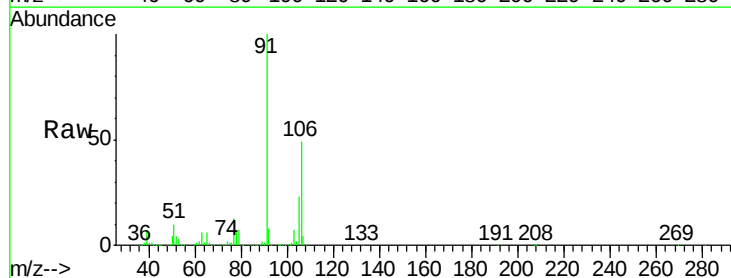
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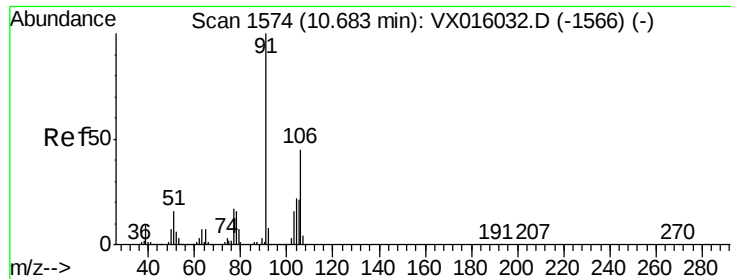
MMDadoda
5/15/2020 10:10:30 AM



#68
m/p-Xylenes
Concen: 99.889 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Tgt Ion: 106 Resp: 535063
Ion Ratio Lower Upper
106 100
91 203.5 161.7 242.5





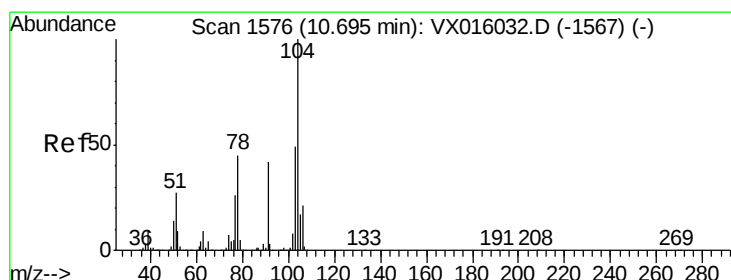
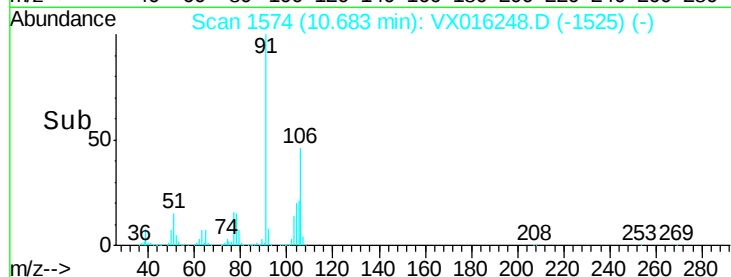
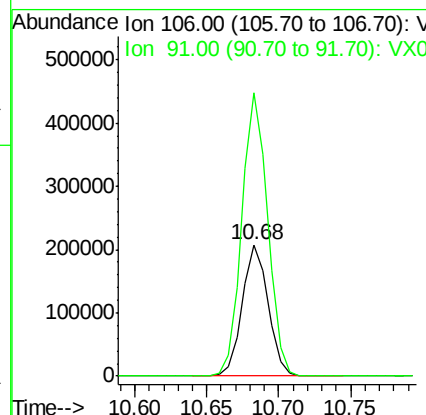
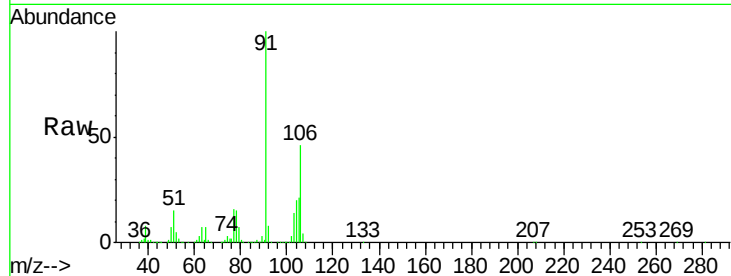
#69
o-Xylene
Concen: 50.325 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.9	107.5	322.6

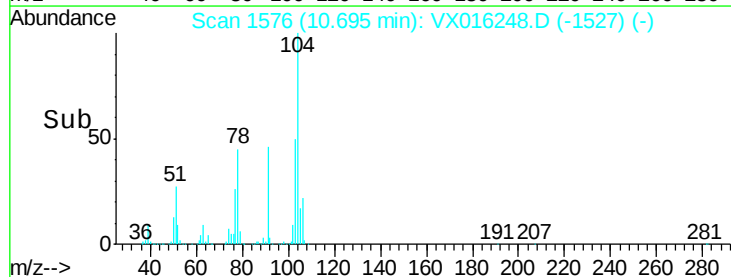
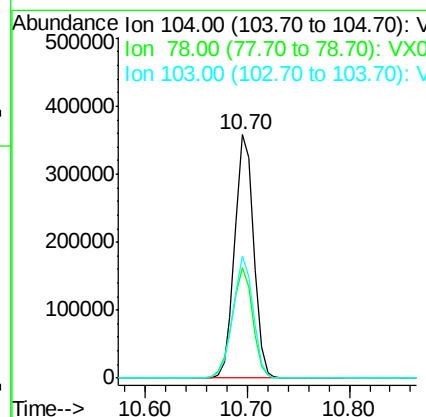
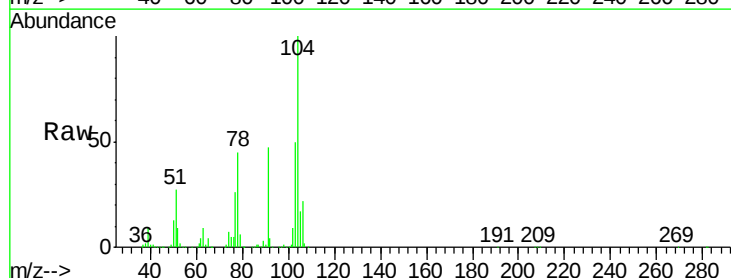
Manual Integrations
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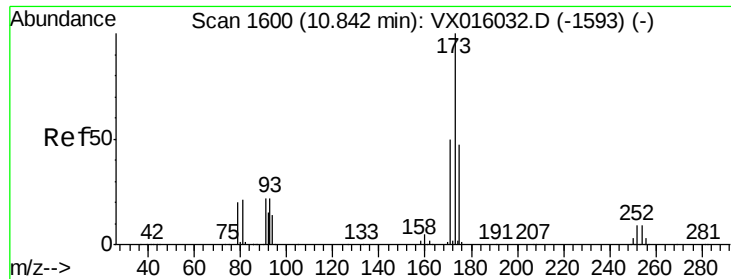
MMDadoda
5/15/2020 10:10:30 AM



#70
Styrene
Concen: 52.430 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.3	40.2	60.2
103	53.1	43.0	64.6





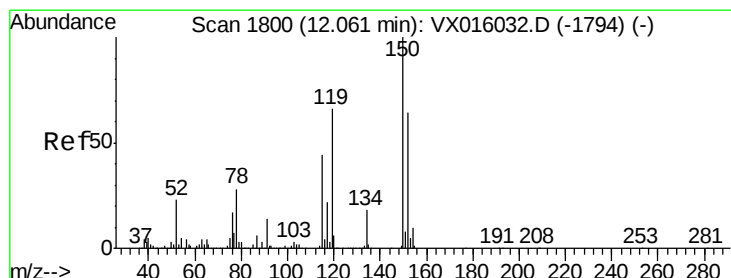
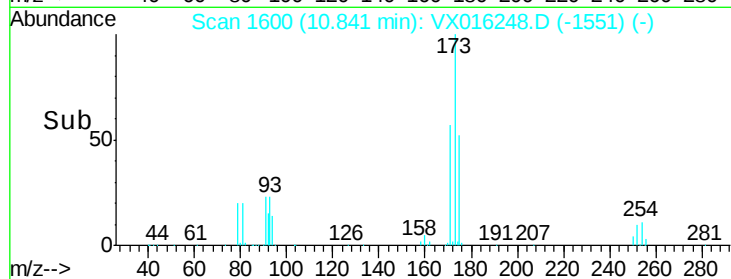
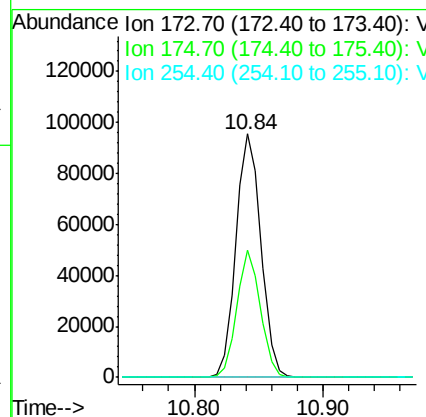
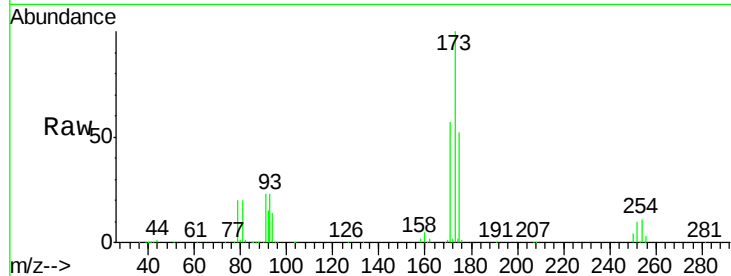
#71
Bromoform
Concen: 53.614 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.0	72.0
254	0.1	0.1	0.1

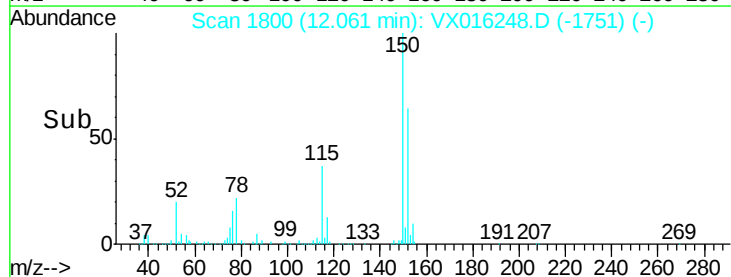
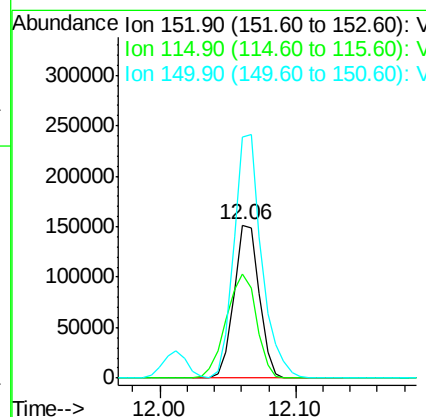
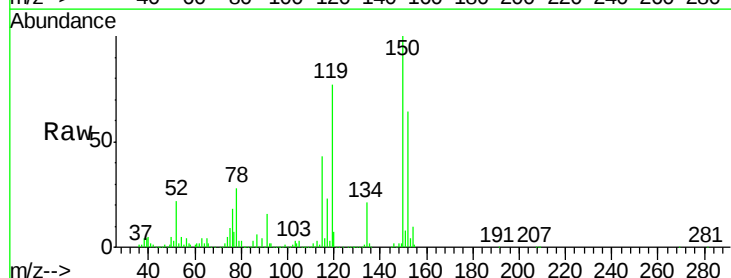
Manual Integrations
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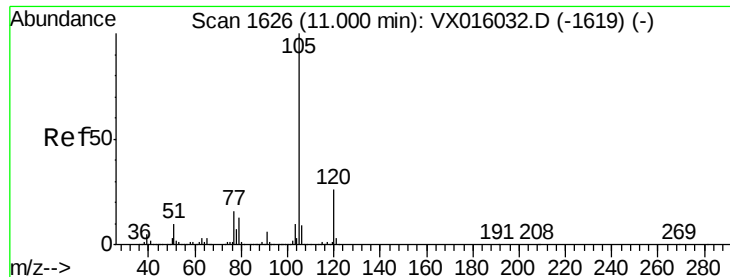
MMDadoda
5/15/2020 10:10:30 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	81.7	41.3	124.1
150	174.1	0.0	352.2





#73

Isopropylbenzene

Concen: 48.953 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 695164

Ion Ratio Lower Upper

105 100

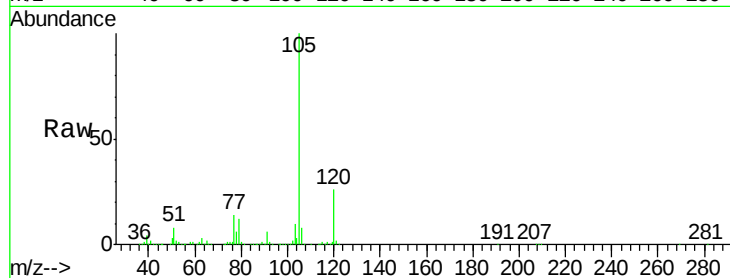
120 26.2 13.4 40.2

Manual Integrations

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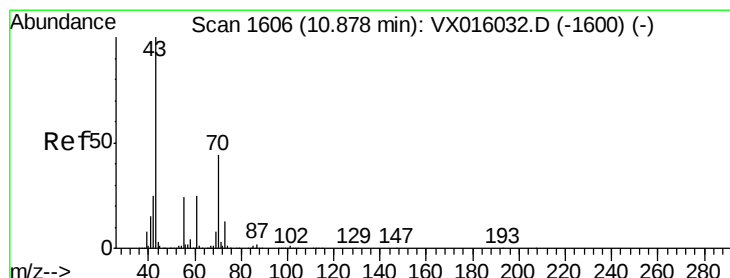
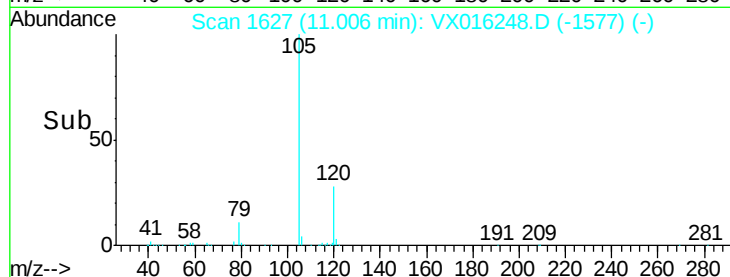
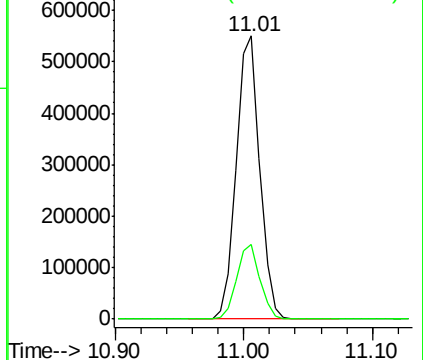
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.602 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Tgt Ion: 43 Resp: 315307

Ion Ratio Lower Upper

43 100

70 46.8 36.5 54.7

55 25.6 19.7 29.5

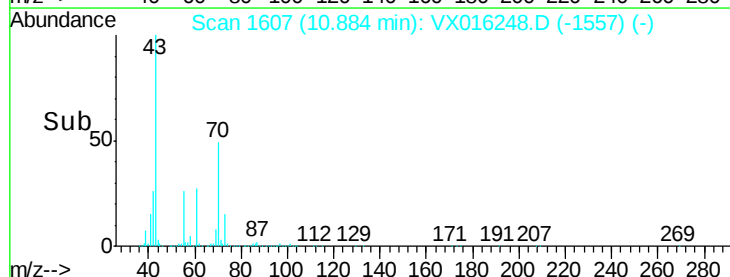
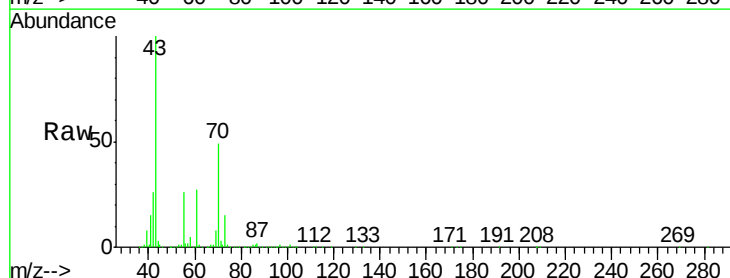
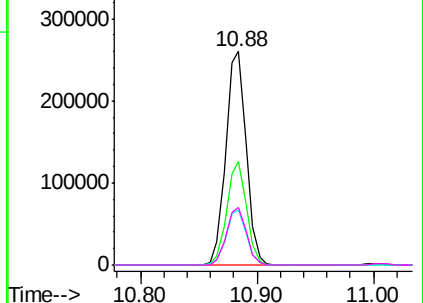
61 26.5 20.9 31.3

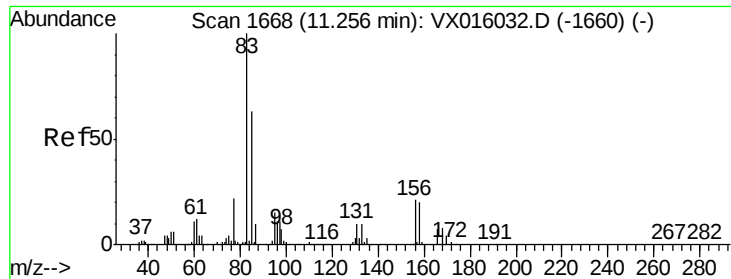
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 60.519 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Instrument :

MSVOA_X

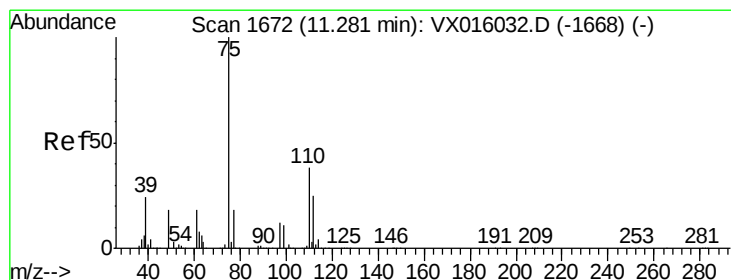
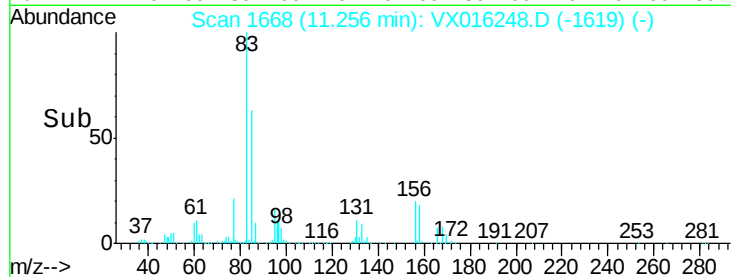
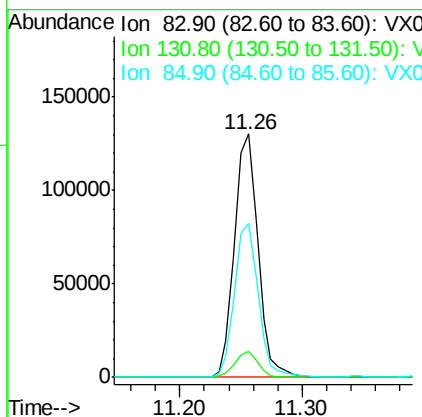
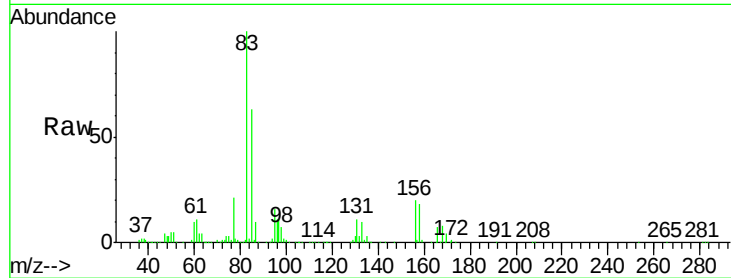
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	173325
Ion Ratio		Lower	Upper
83	100		
131	10.4	5.1	15.4
85	64.0	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 48.962 ug/l m

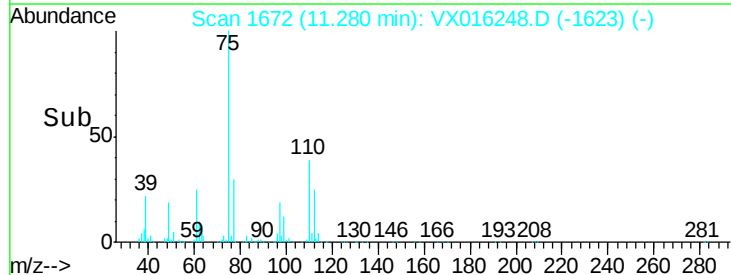
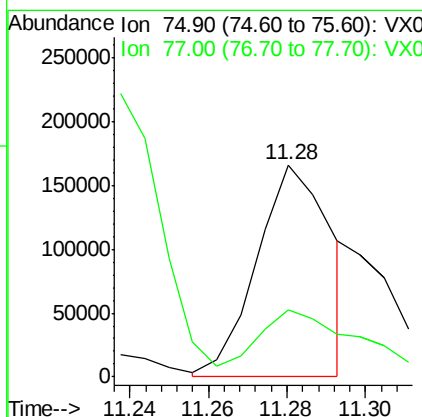
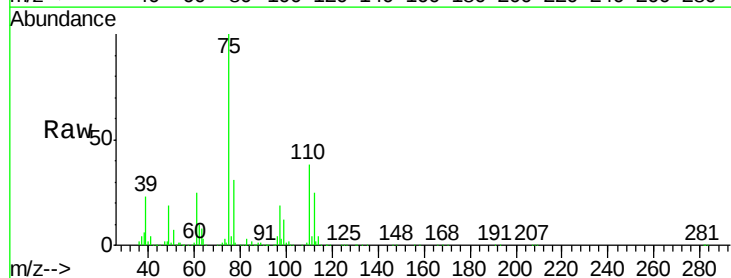
RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Tgt Ion:	75	Resp:	216926
Ion Ratio		Lower	Upper
75	100		
77	43.3	21.2	63.6





#77

Bromobenzene

Concen: 48.613 ug/l

RT: 11.24 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Instrument :

MSVOA_X

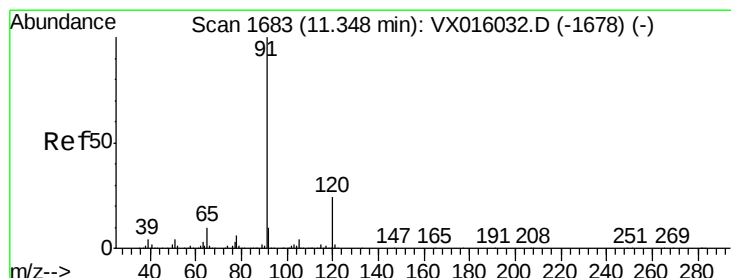
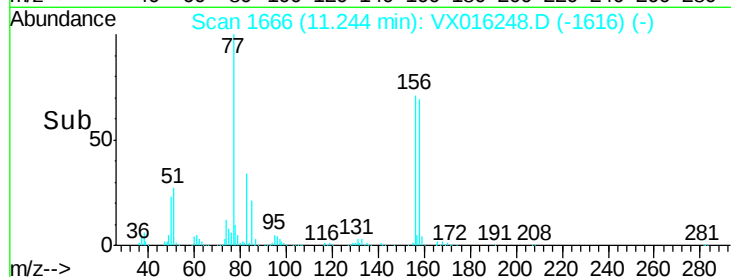
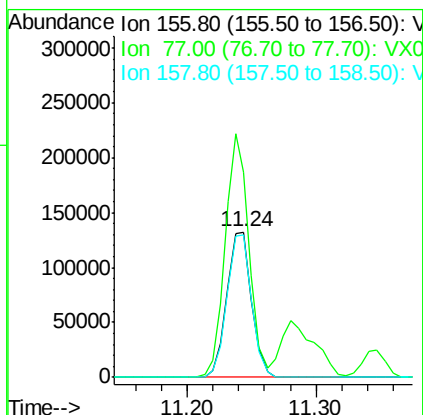
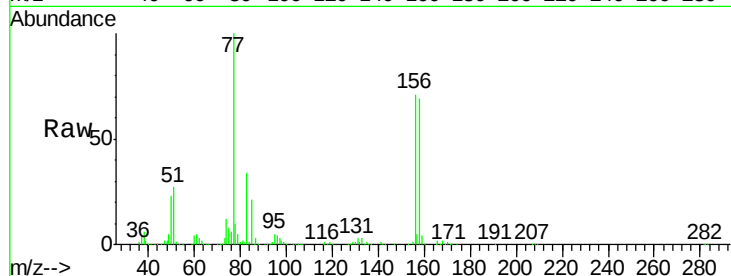
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	178188
Ion Ratio	Lower	Upper	
156	100		
77	160.5	80.1	240.3
158	98.2	49.4	148.2

Manual Integrations
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5/15/2020 10:10:30 AM



#78

n-propylbenzene

Concen: 48.007 ug/l

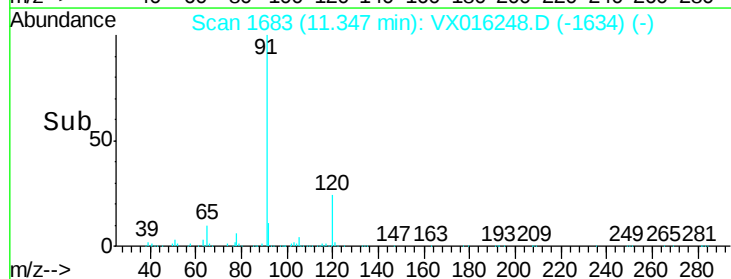
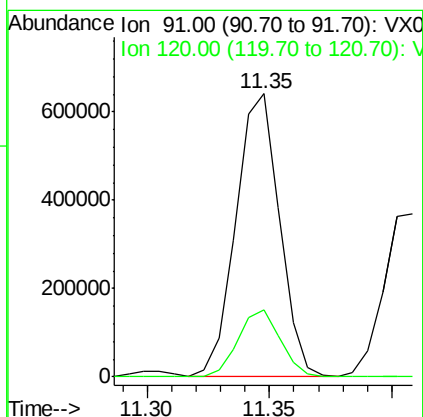
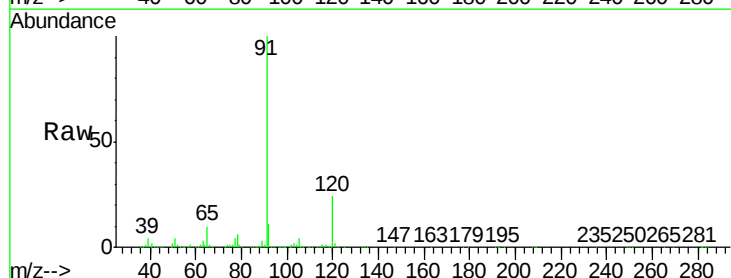
RT: 11.35 min Scan# 1683

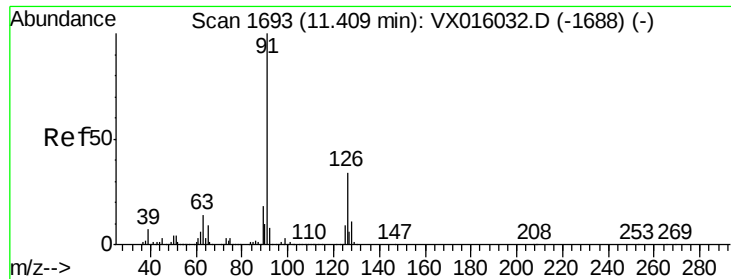
Delta R.T. -0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Tgt Ion:	91	Resp:	793087
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.5	34.5





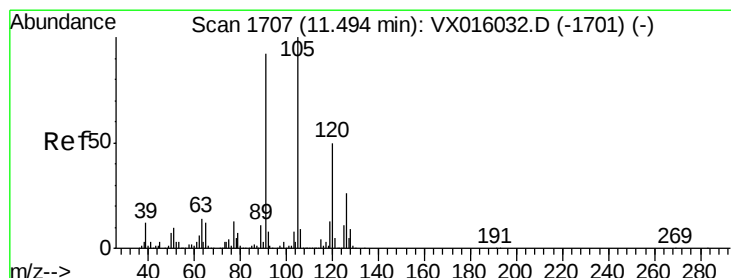
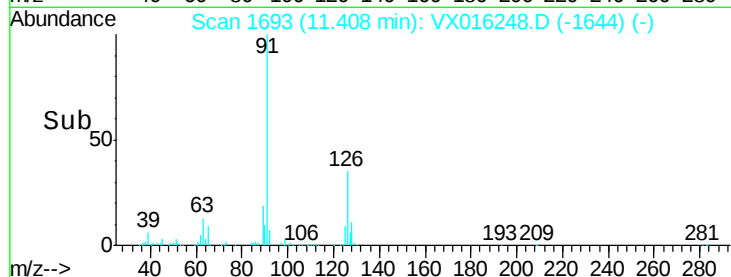
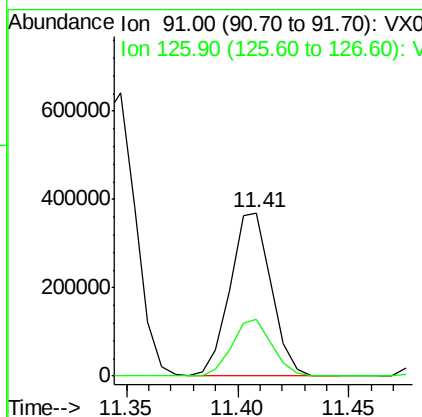
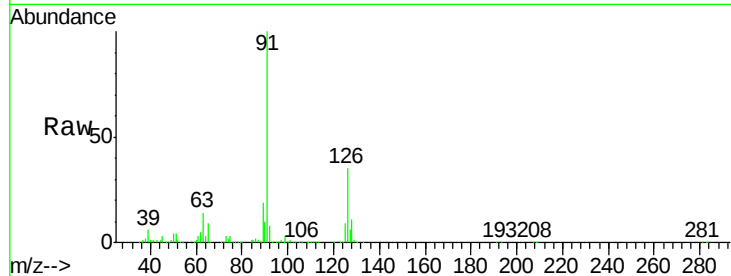
#79
 2-Chlorotoluene
 Concen: 48.789 ug/l
 RT: 11.41 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VX016248.D
 Acq: 14 May 2020 22:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 475764
 Ion Ratio Lower Upper
 91 100
 126 33.8 16.9 50.6

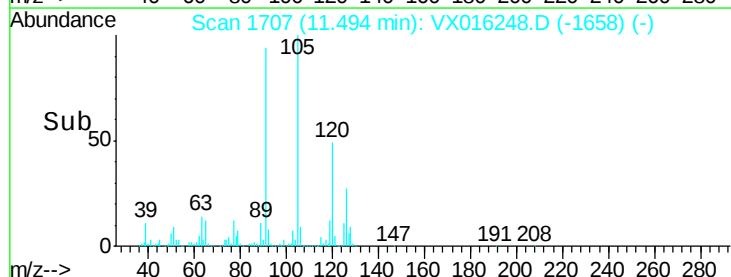
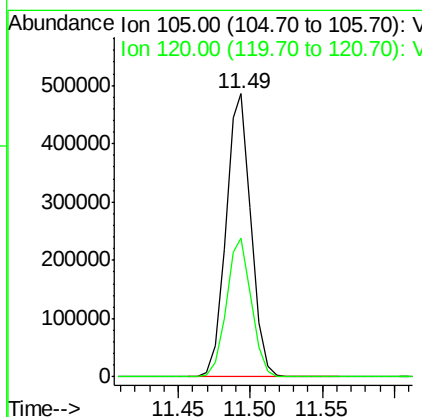
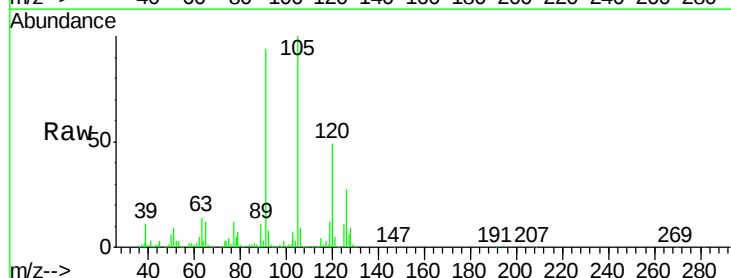
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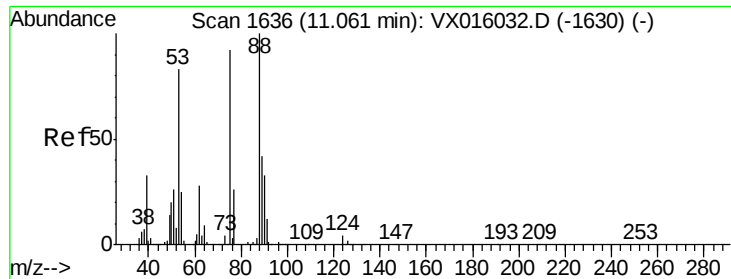
MMDadoda
 5/15/2020 10:10:30 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 49.303 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX016248.D
 Acq: 14 May 2020 22:03

Tgt Ion: 105 Resp: 591148
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.6 74.0





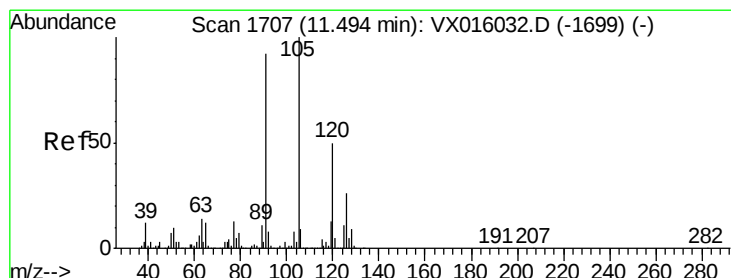
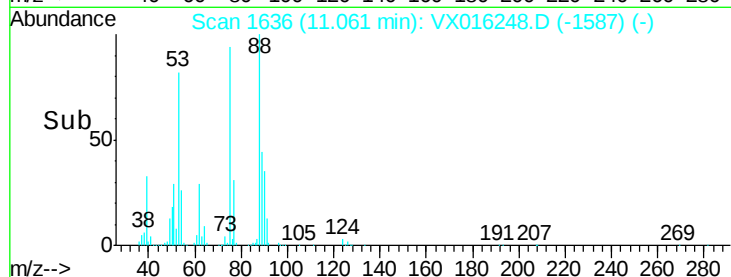
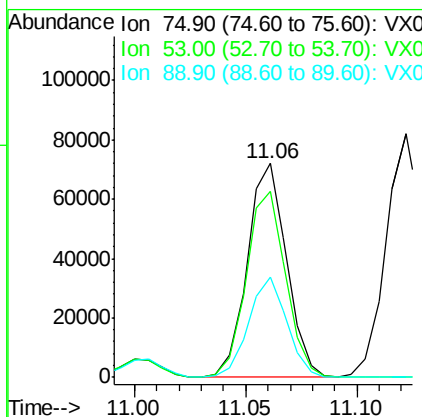
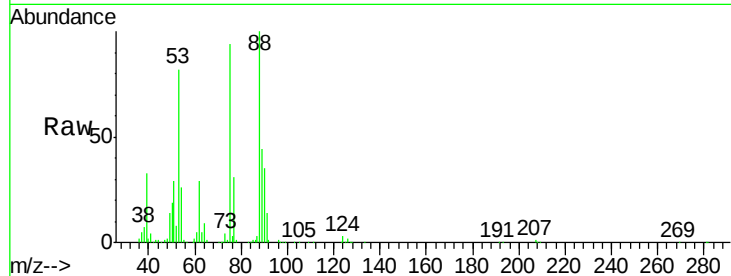
#81
trans-1,4-Dichloro-2-butene
Concen: 47.308 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.7	73.1	109.7
89	46.0	36.7	55.1

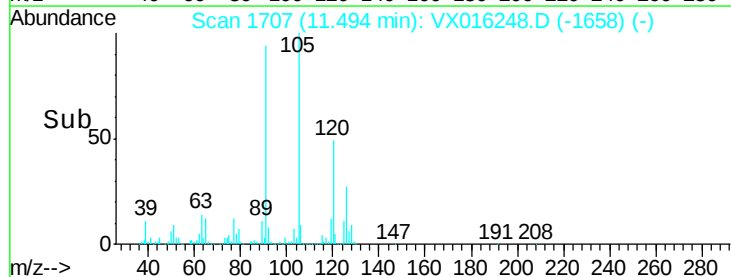
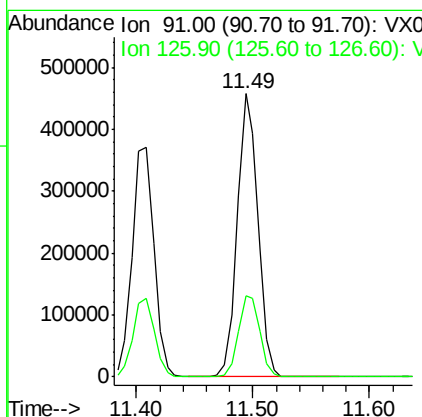
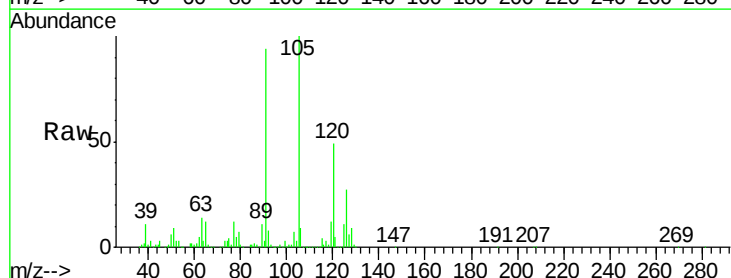
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#82
4-Chlorotoluene
Concen: 49.091 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.8	14.8	44.3





#83

tert-Butylbenzene

Concen: 49.035 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Instrument :

MSVOA_X

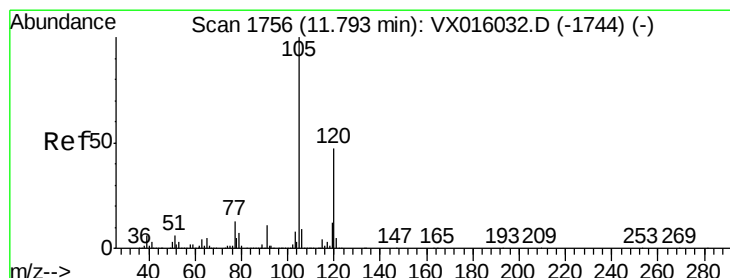
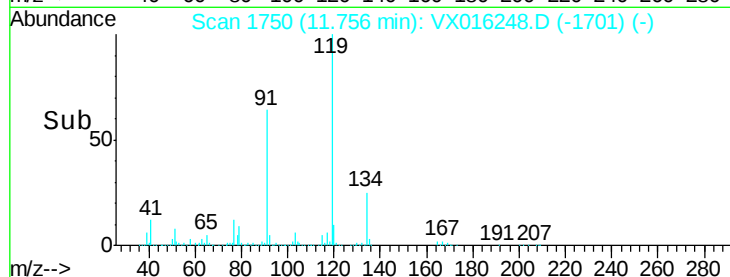
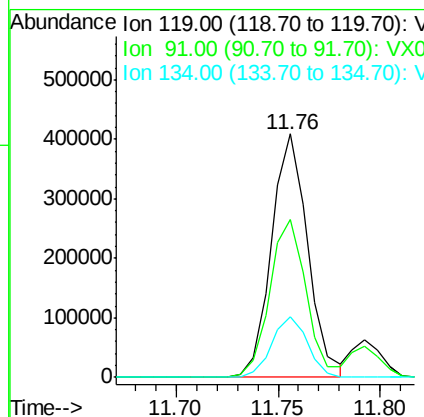
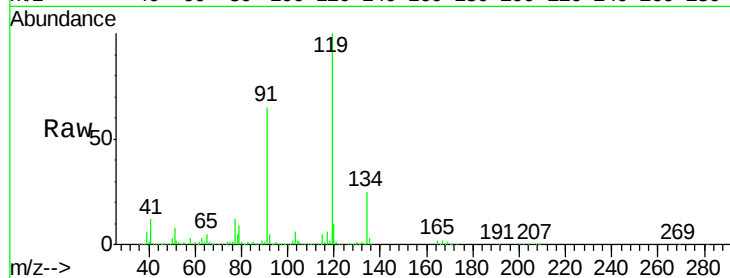
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	506673
Ion Ratio	Lower	Upper	
119	100		
91	65.4	32.8	98.4
134	24.8	12.4	37.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 49.532 ug/l

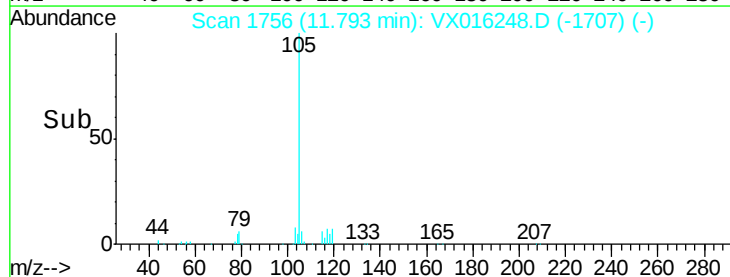
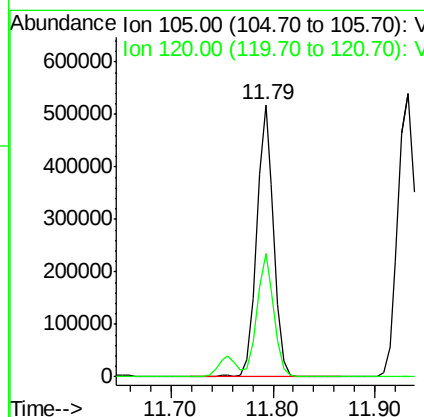
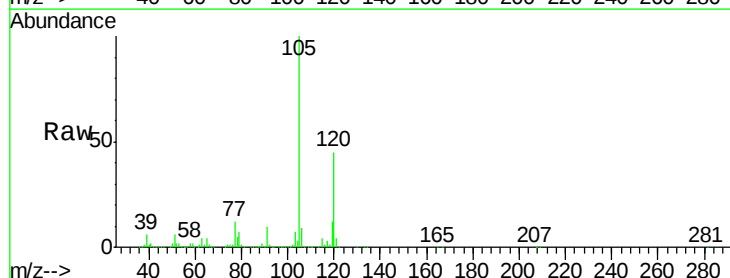
RT: 11.79 min Scan# 1756

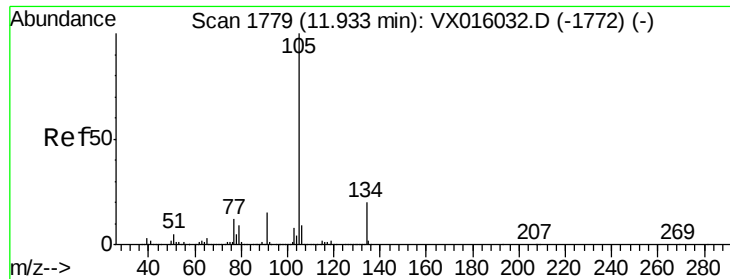
Delta R.T. -0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Tgt Ion:	105	Resp:	600418
Ion Ratio	Lower	Upper	
105	100		
120	45.2	23.0	69.0





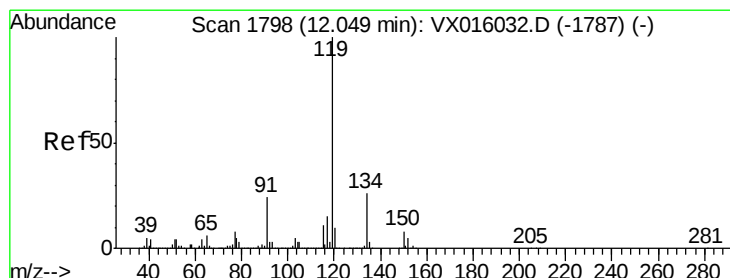
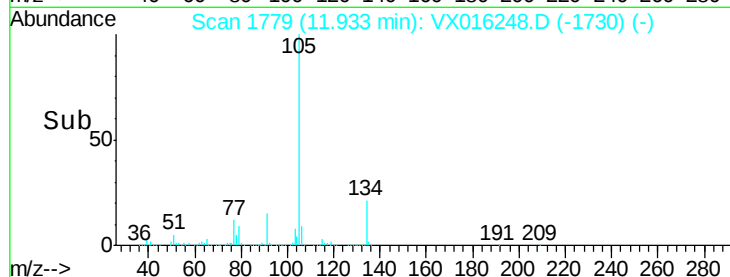
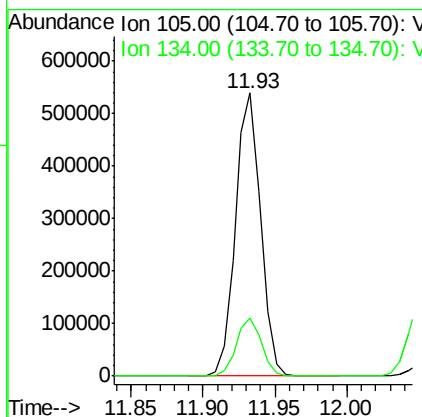
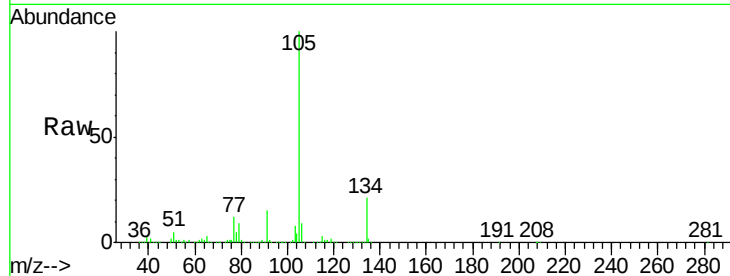
#85
 sec-Butylbenzene
 Concen: 46.914 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX016248.D
 Acq: 14 May 2020 22:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.1	30.3

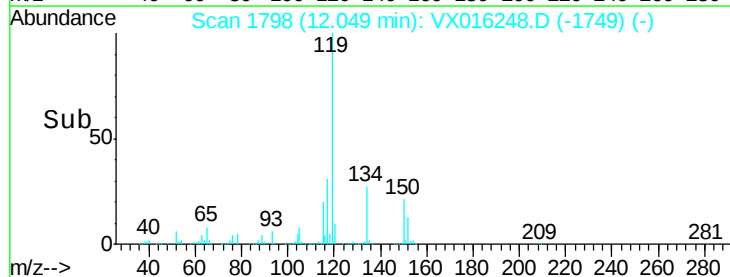
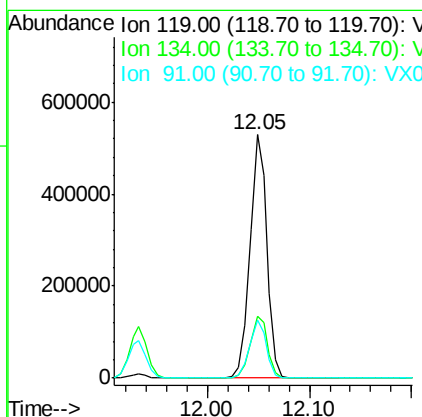
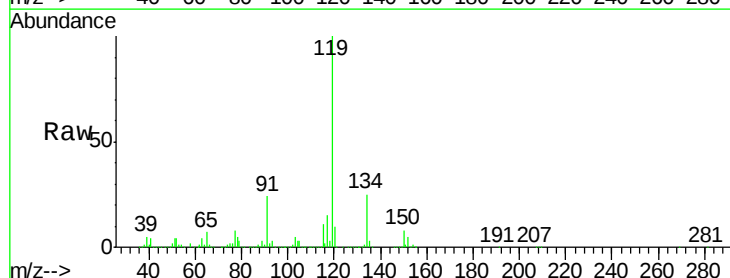
Manual Integrations
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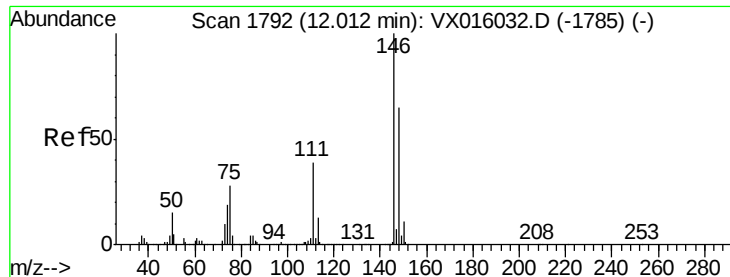
MMDadoda
 5/15/2020 10:10:30 AM



#86
 p-Isopropyltoluene
 Concen: 47.180 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016248.D
 Acq: 14 May 2020 22:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.3
91	23.4	11.8	35.4





#87

1,3-Dichlorobenzene

Concen: 48.392 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Instrument :

MSVOA_X

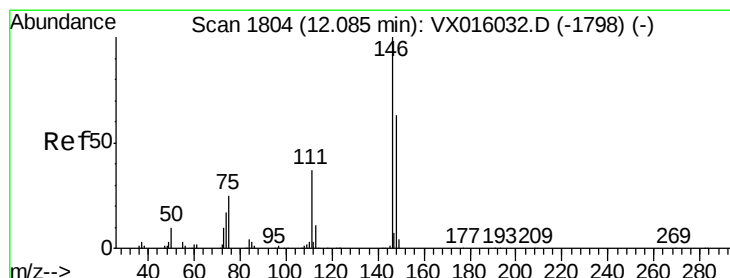
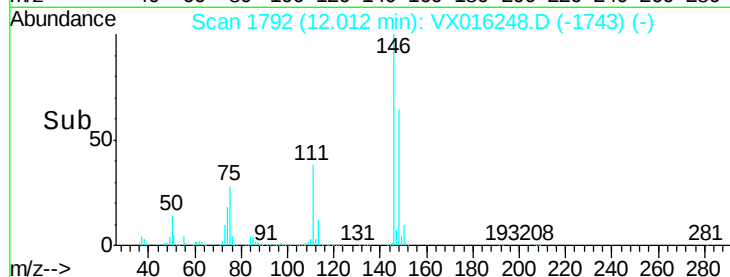
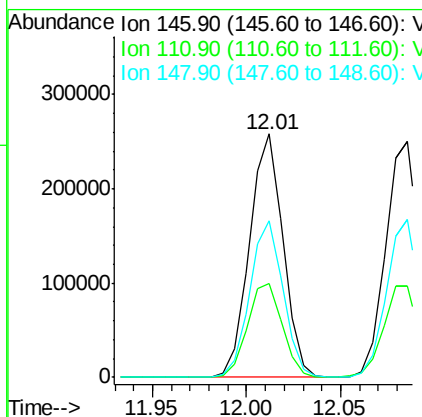
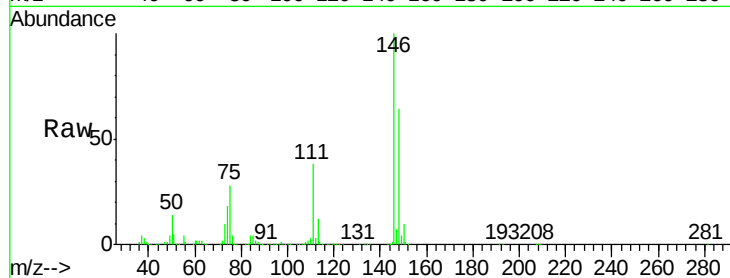
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	318488
Ion Ratio	Lower	Upper	
146	100		
111	40.2	20.2	60.6
148	63.5	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.567 ug/l

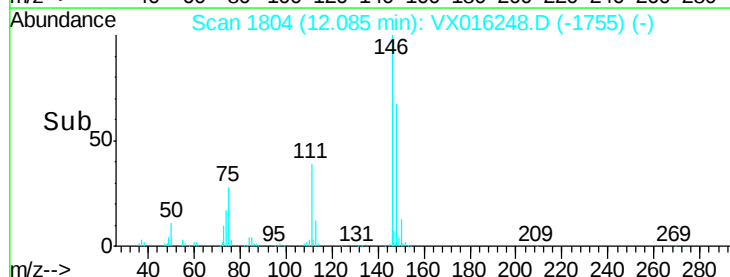
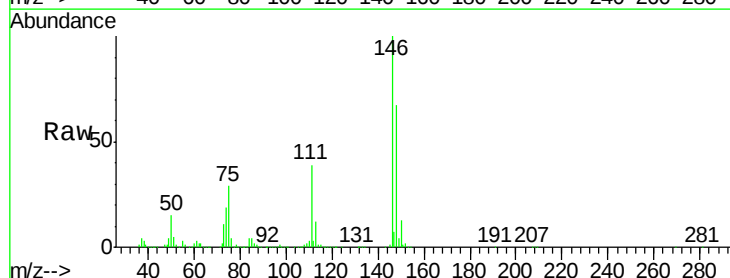
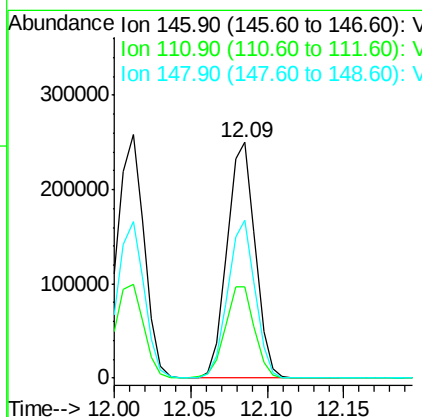
RT: 12.09 min Scan# 1804

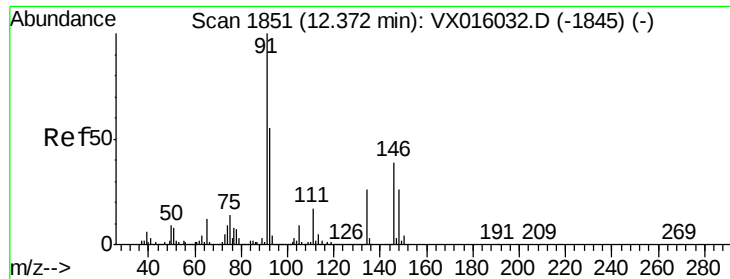
Delta R.T. -0.00 min

Lab File: VX016248.D

Acq: 14 May 2020 22:03

Tgt Ion:	146	Resp:	317743
Ion Ratio	Lower	Upper	
146	100		
111	40.1	19.6	58.7
148	65.4	31.8	95.3





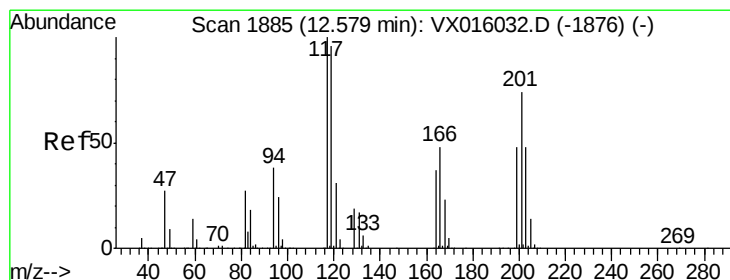
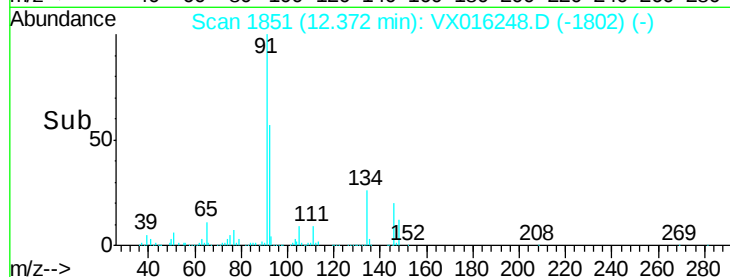
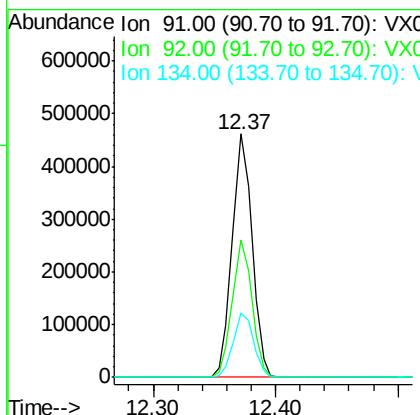
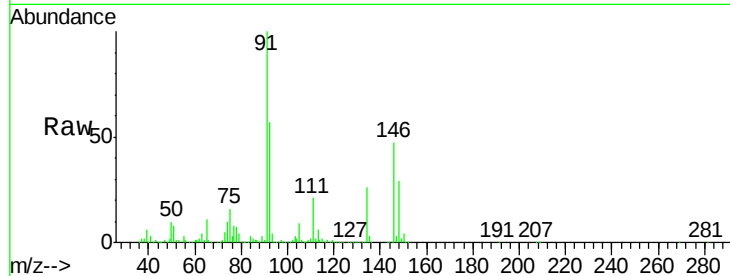
#89
n-Butylbenzene
Concen: 43.816 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.6	27.6	82.7
134	27.1	13.4	40.1

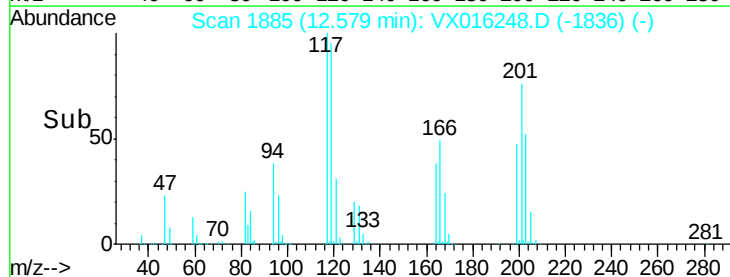
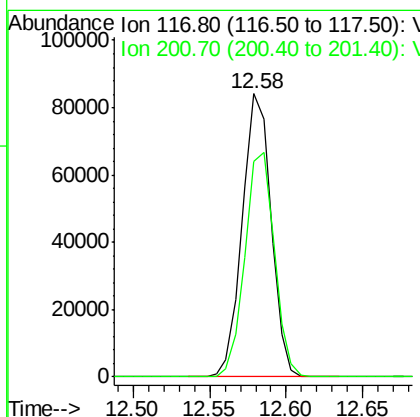
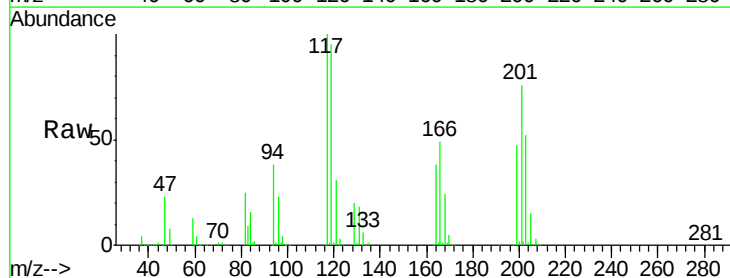
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#90
Hexachloroethane
Concen: 49.506 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.2	39.8	119.3





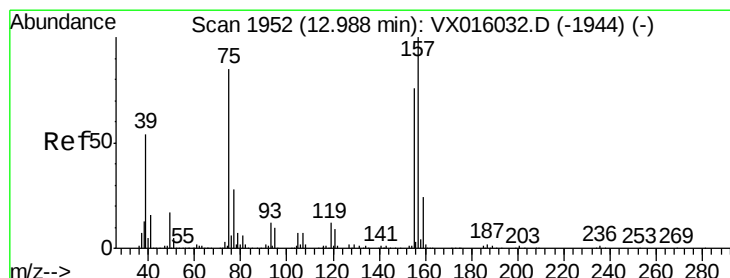
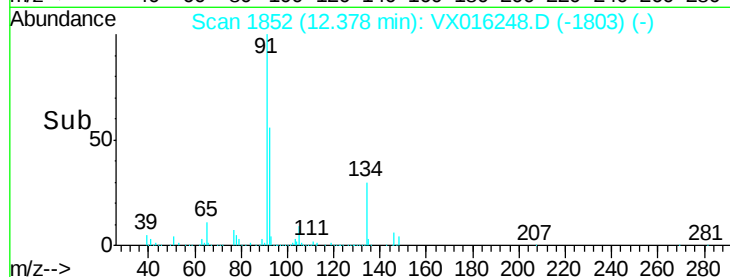
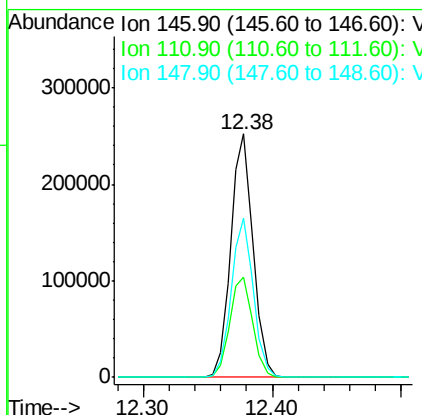
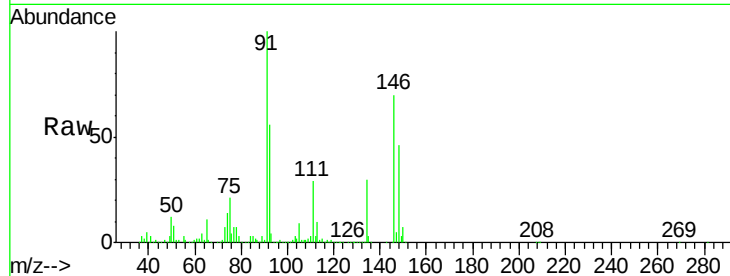
#91
 1,2-Dichlorobenzene
 Concen: 48.289 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016248.D
 Acq: 14 May 2020 22:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.5	21.1	63.1	
148	64.9	32.4	97.0	

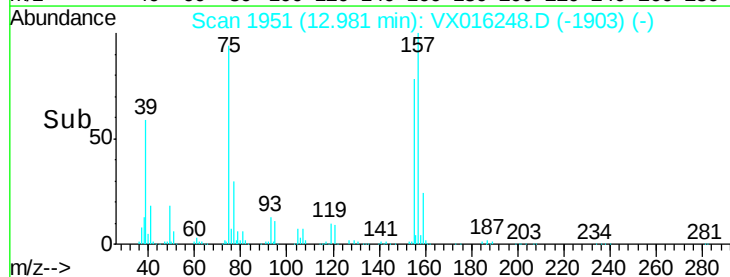
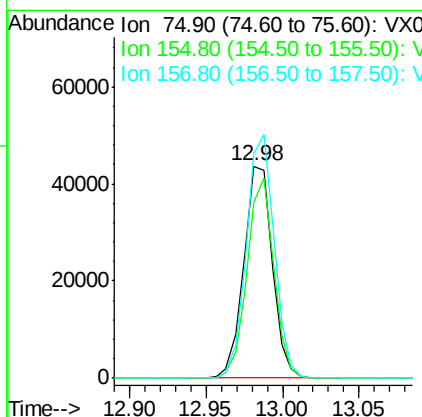
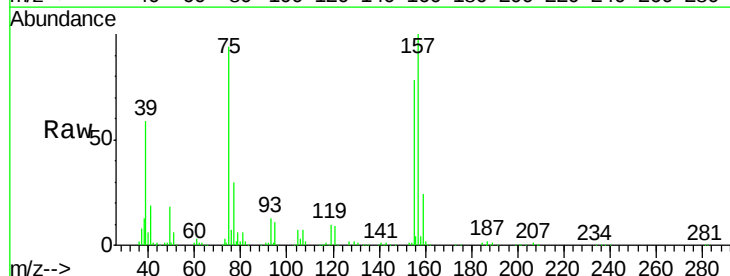
Manual Integrations
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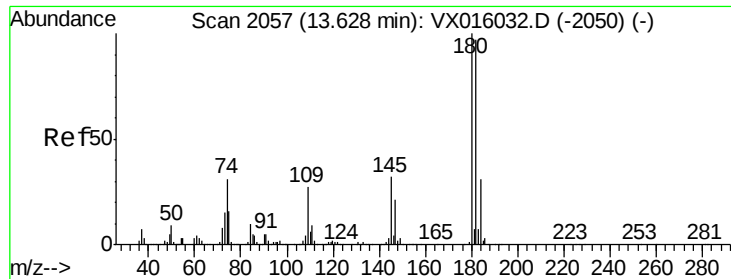
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.524 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.01 min
 Lab File: VX016248.D
 Acq: 14 May 2020 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	88.6	42.5	127.5	
157	111.8	55.3	165.8	





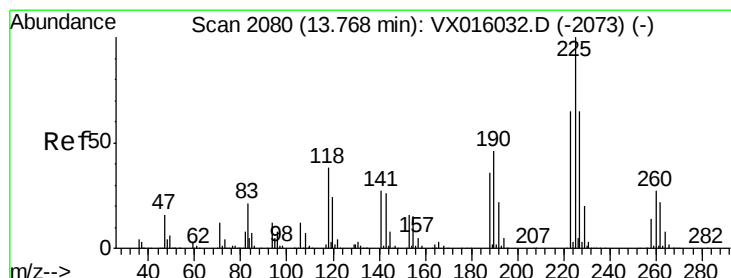
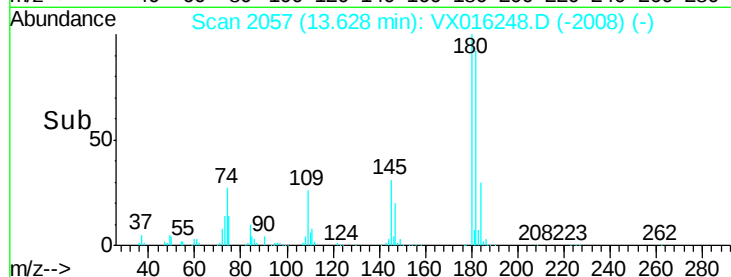
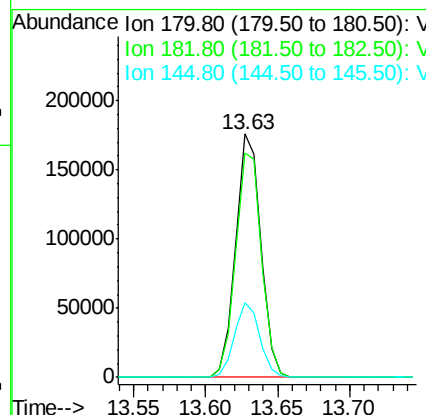
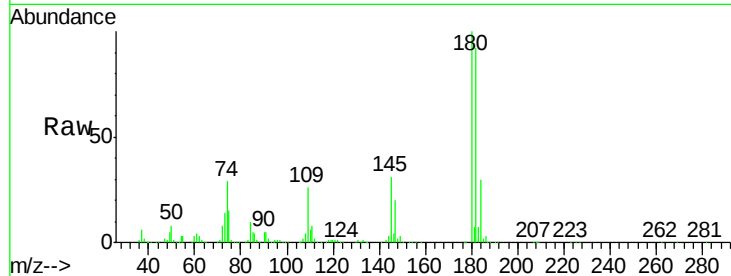
#93
 1,2,4-Trichlorobenzene
 Concen: 46.242 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016248.D
 Acq: 14 May 2020 22:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	216962		
182	94.7	48.7	146.1	
145	30.8	15.7	47.1	

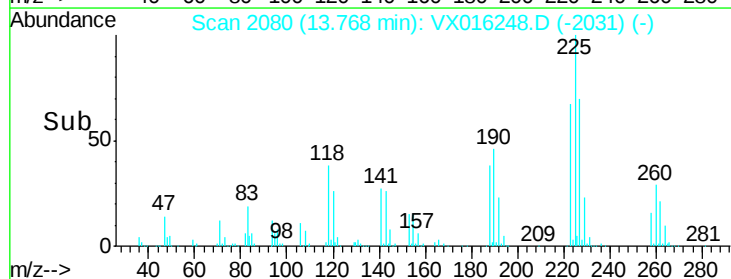
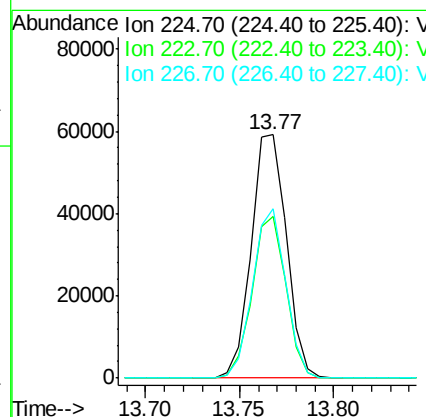
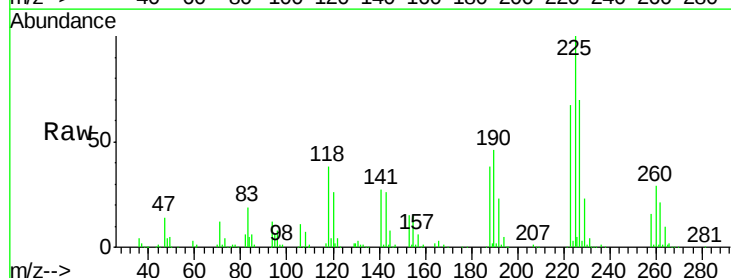
Manual Integrations
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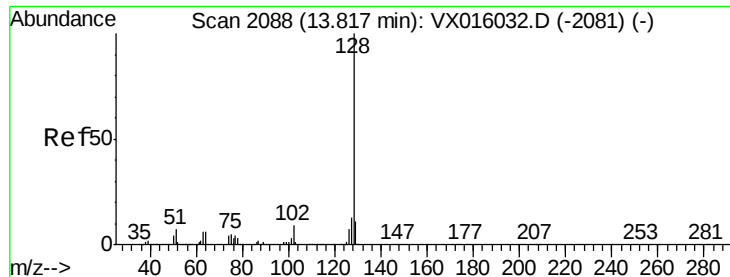
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#94
 Hexachlorobutadiene
 Concen: 38.043 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016248.D
 Acq: 14 May 2020 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76602		
223	64.0	32.3	96.9	
227	65.6	31.8	95.4	





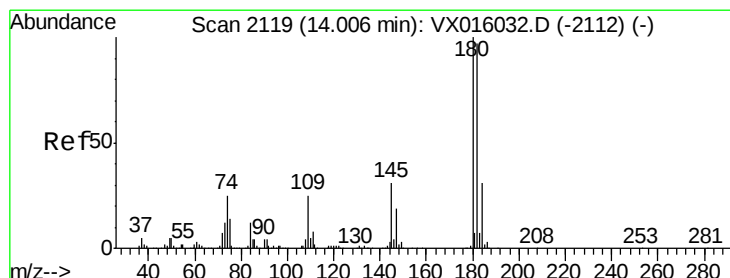
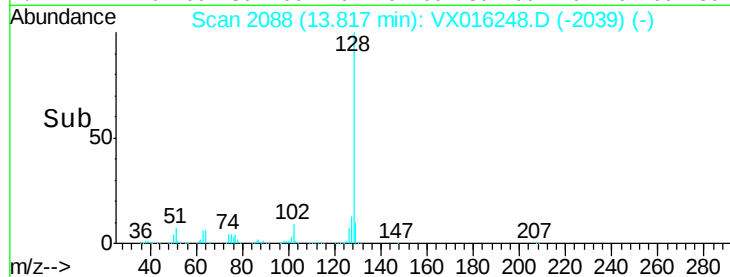
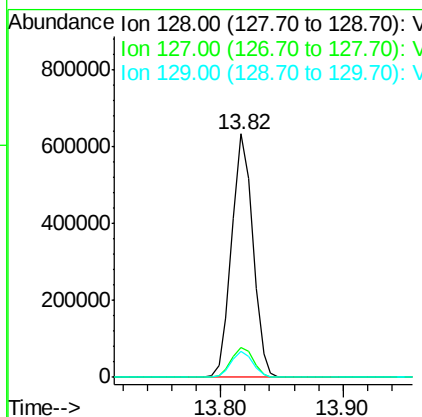
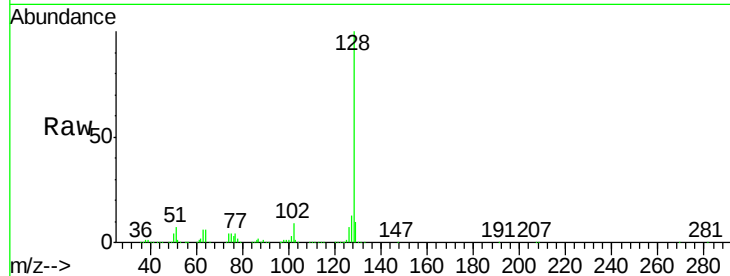
#95
Naphthalene
Concen: 49.497 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/15/2020 10:10:30 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.320 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VX016248.D
Acq: 14 May 2020 22:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.4	145.0
145	32.7	16.4	49.1

