

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121621\
 Data File : VX025831.D
 Acq On : 15 Dec 2021 21:44
 Operator : JC/MD
 Sample : M5067-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 16 07:32:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

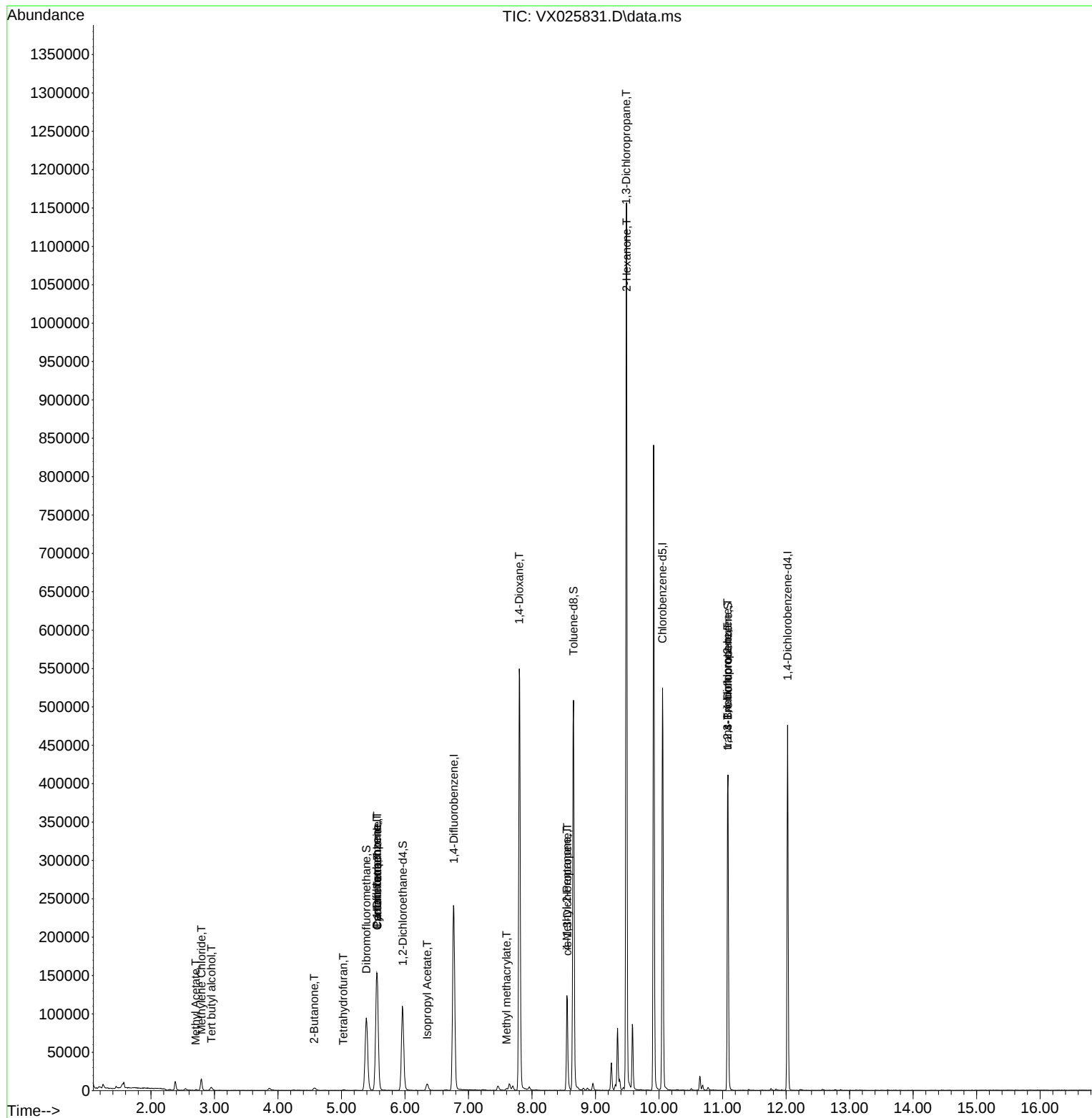
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	145432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	250712	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	239385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	100745	48.146	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.300%
35) Dibromofluoromethane	5.391	113	81703	46.728	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.460%
50) Toluene-d8	8.653	98	305080	47.888	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.780%
62) 4-Bromofluorobenzene	11.085	95	113473	46.890	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.780%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	2813	6.702	ug/l #	73
16) Acetone	2.380	43	12180	Below Cal		98
18) Methyl Acetate	2.703	43	1376	0.431	ug/l #	88
20) Methylene Chloride	2.794	84	6165	1.078	ug/l	98
25) 2-Butanone	4.568	43	4755	3.379	ug/l	94
29) Tetrahydrofuran	5.025	42	687	0.768	ug/l #	56
31) Cyclohexane	5.562	56	3452	1.357	ug/l #	33
36) 1,1-Dichloropropene	5.556	75	12359	5.212	ug/l #	50
38) Carbon Tetrachloride	5.562	117	16065	5.823	ug/l #	17
43) Isopropyl Acetate	6.348	43	11227	2.645	ug/l	99
48) Methyl methacrylate	7.598	41	3946	1.974	ug/l #	25
49) 1,4-Dioxane	7.799	88	46	1.054	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	43439	15.634	ug/l #	51
54) cis-1,3-Dichloropropene	8.555	75	19173	6.720	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	9932	3.133	ug/l #	42
59) 2-Hexanone	9.488	43	136800	64.984	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	57444	26.175	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	57444	81.149	ug/l #	10

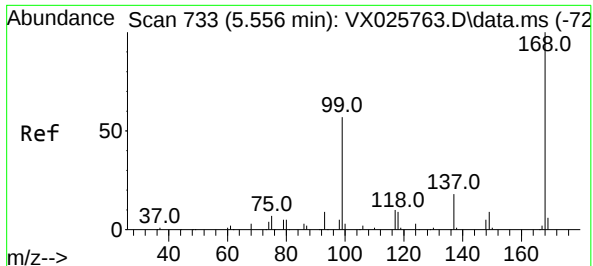
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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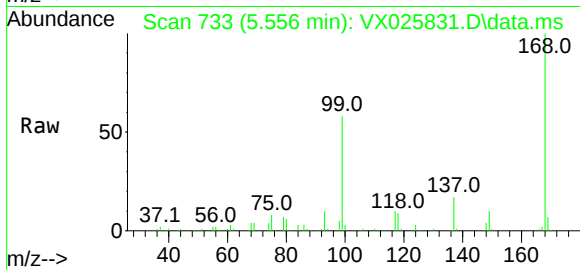
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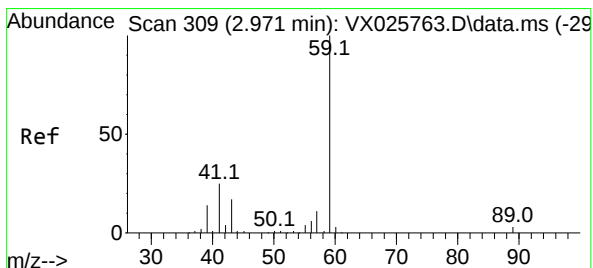
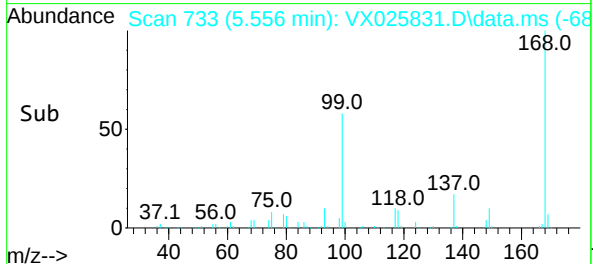
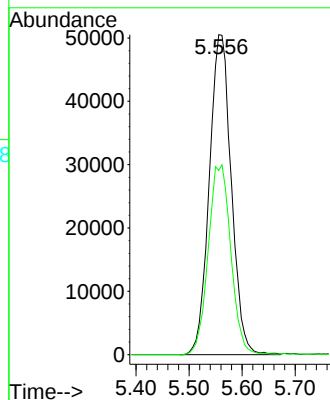


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025831.D
Acq: 15 Dec 2021 21:44

Instrument :
MSVOA_X
ClientSampleId :

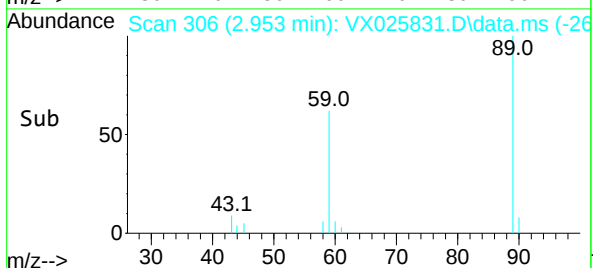
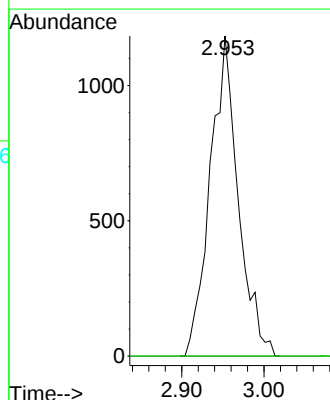
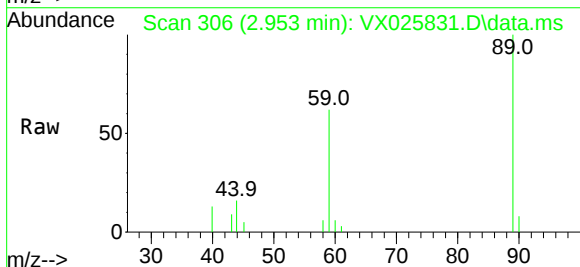


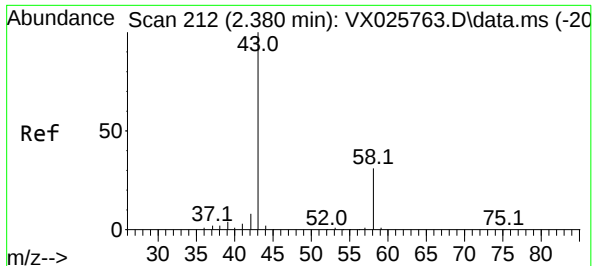
Tgt Ion:168 Resp: 145432
Ion Ratio Lower Upper
168 100
99 57.6 45.8 68.8



#11
Tert butyl alcohol
Concen: 6.702 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.018 min
Lab File: VX025831.D
Acq: 15 Dec 2021 21:44

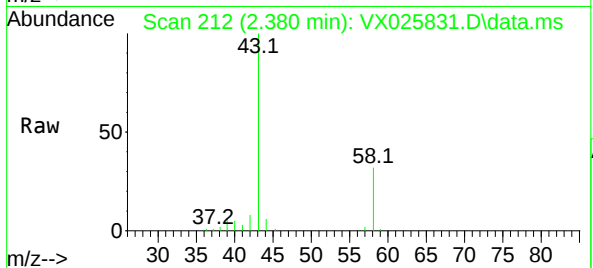
Tgt Ion: 59 Resp: 2813
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



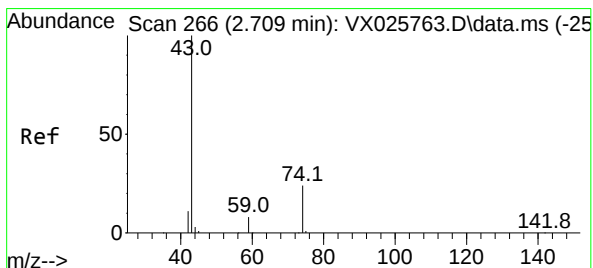
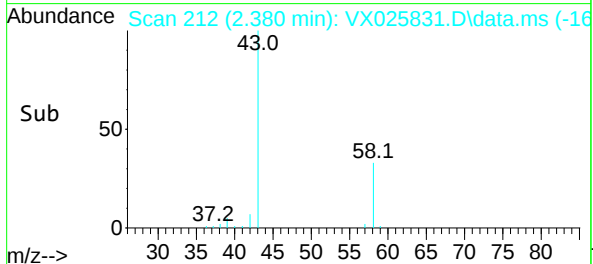
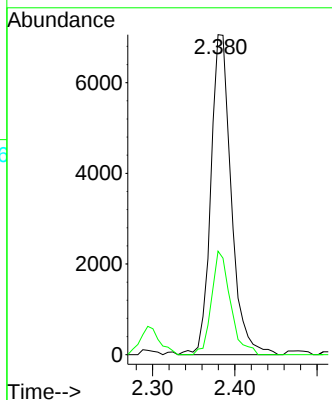


#16
Acetone
Concen: Below Cal
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX025831.D
Acq: 15 Dec 2021 21:44

Instrument :
MSVOA_X
ClientSampleId :

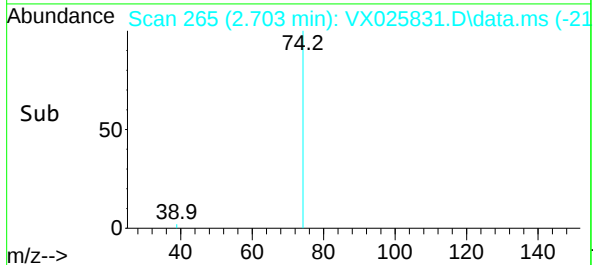
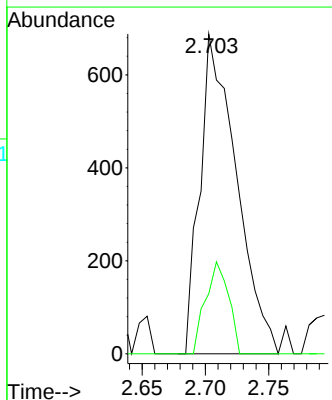
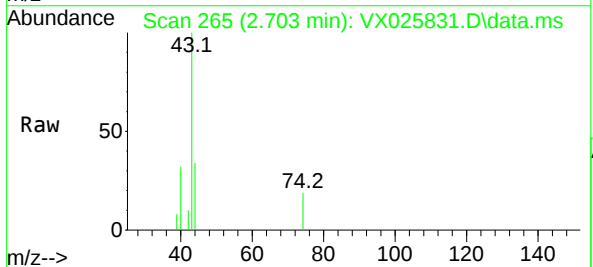


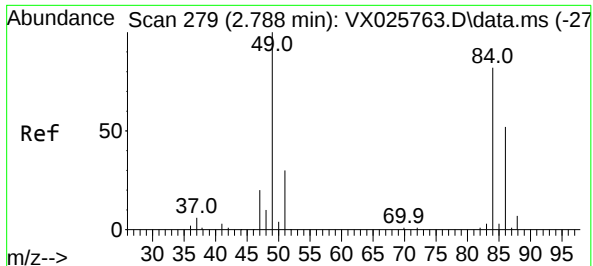
Tgt Ion: 43 Resp: 12180
Ion Ratio Lower Upper
43 100
58 32.3 24.8 37.2



#18
Methyl Acetate
Concen: 0.431 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX025831.D
Acq: 15 Dec 2021 21:44

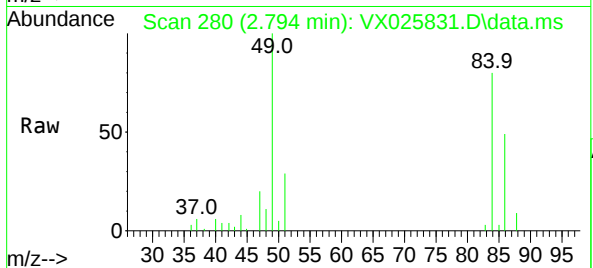
Tgt Ion: 43 Resp: 1376
Ion Ratio Lower Upper
43 100
74 18.1 19.1 28.7#



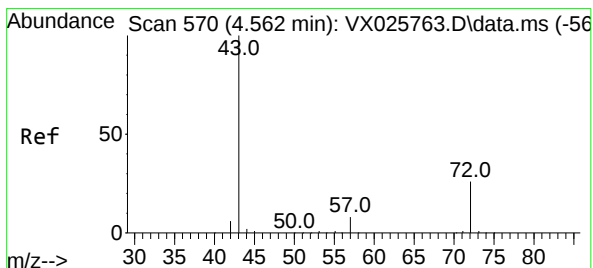
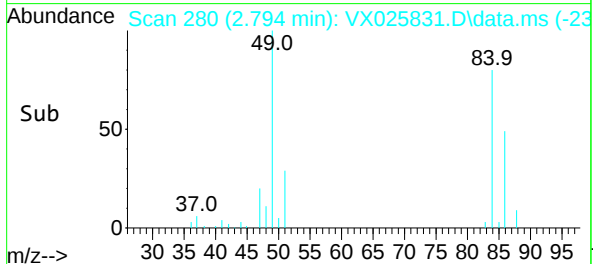
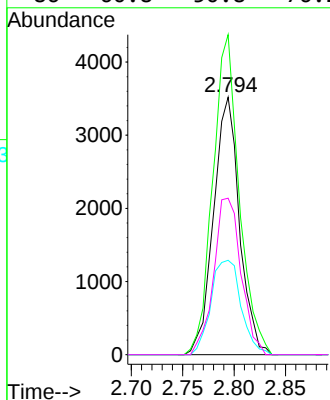


#20
Methylene Chloride
Concen: 1.078 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX025831.D
Acq: 15 Dec 2021 21:44

Instrument :
MSVOA_X
ClientSampleId :

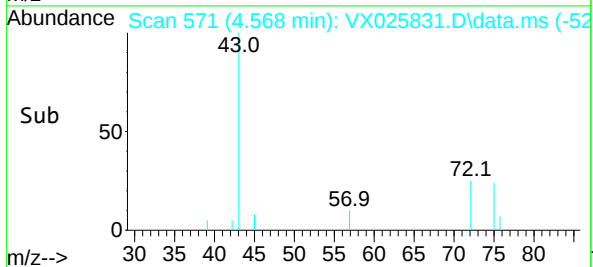
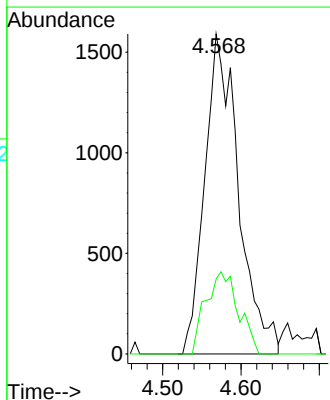
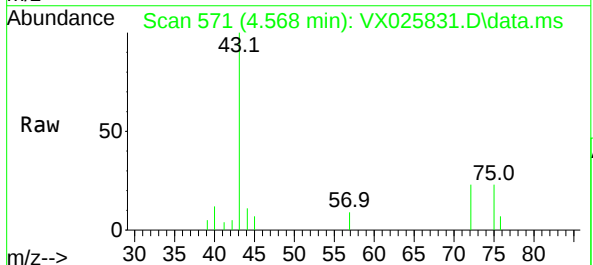


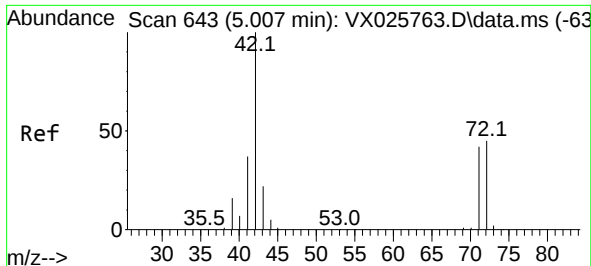
Tgt Ion: 84	Resp: 6165
Ion Ratio	Lower Upper
84	100
49	124.3 97.1 145.7
51	36.7 29.3 43.9
86	60.8 50.8 76.2



#25
2-Butanone
Concen: 3.379 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX025831.D
Acq: 15 Dec 2021 21:44

Tgt Ion: 43	Resp: 4755
Ion Ratio	Lower Upper
43	100
72	23.4 21.0 31.4





#29

Tetrahydrofuran

Concen: 0.768 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.018 min

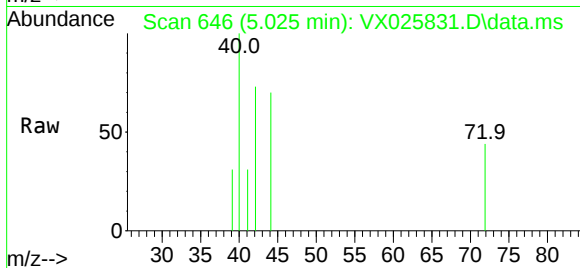
Lab File: VX025831.D

Acq: 15 Dec 2021 21:44

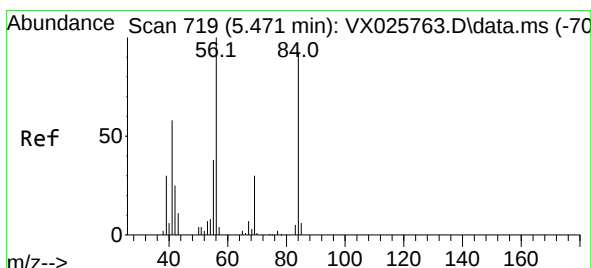
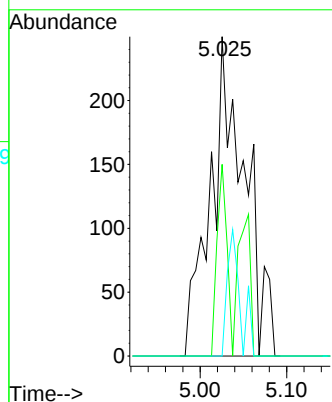
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	687
Ion Ratio	100	Lower	Upper
72	17.3	37.0	55.6#
71	14.8	34.1	51.1#



#31

Cyclohexane

Concen: 1.357 ug/l

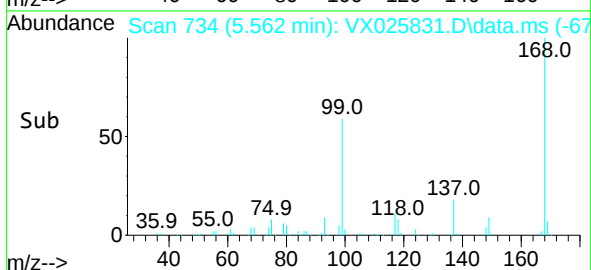
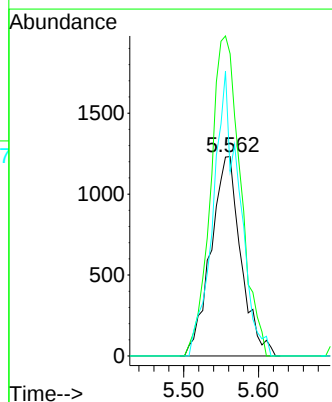
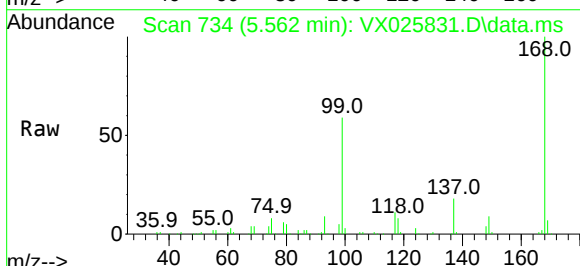
RT: 5.562 min Scan# 734

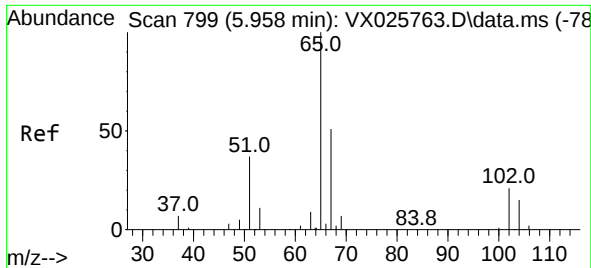
Delta R.T. 0.091 min

Lab File: VX025831.D

Acq: 15 Dec 2021 21:44

Tgt Ion:	56	Resp:	3452
Ion Ratio	100	Lower	Upper
69	151.5	23.9	35.9#
84	105.7	73.2	109.8





#33

1,2-Dichloroethane-d4

Concen: 48.146 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX025831.D

Acq: 15 Dec 2021 21:44

Instrument :

MSVOA_X

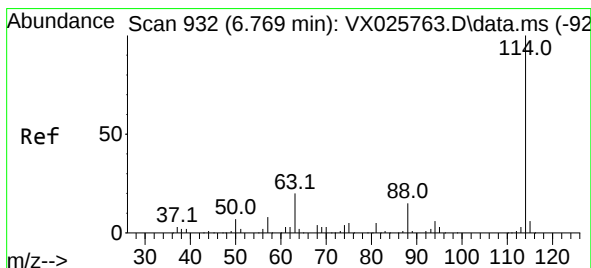
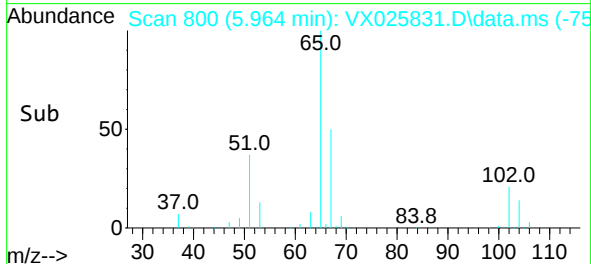
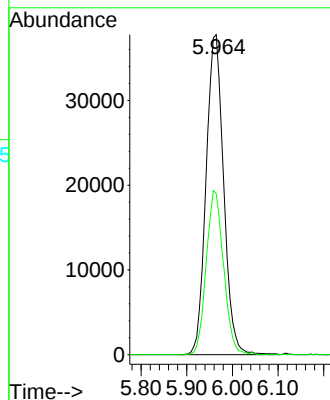
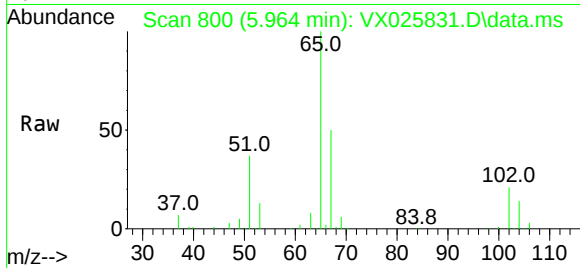
ClientSampleId :

Tgt Ion: 65 Resp: 100745

Ion Ratio Lower Upper

65 100

67 50.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX025831.D

Acq: 15 Dec 2021 21:44

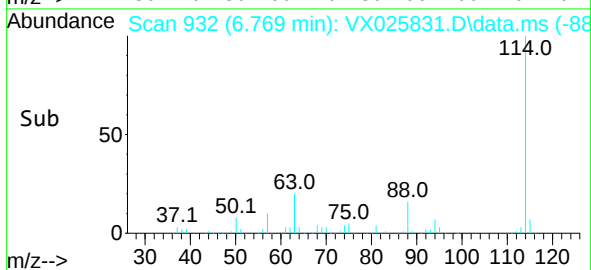
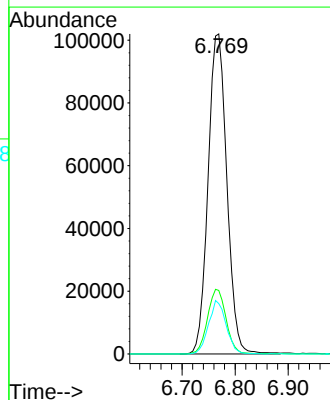
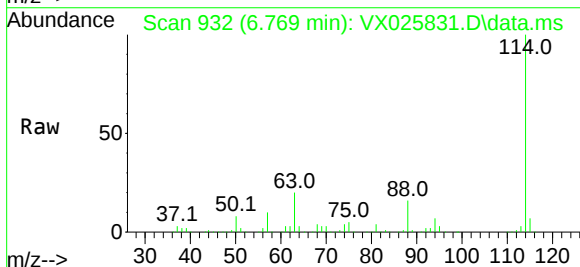
Tgt Ion: 114 Resp: 250712

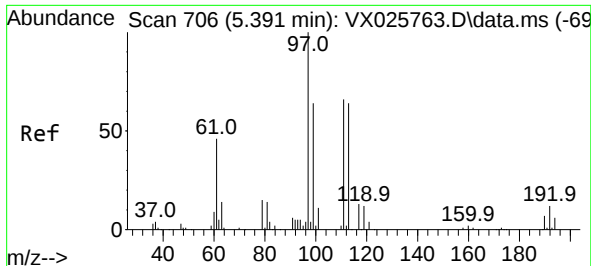
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

88 15.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 46.728 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

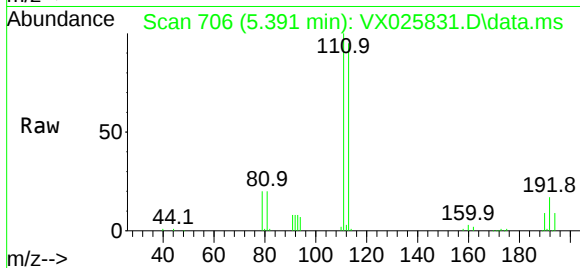
Lab File: VX025831.D

Acq: 15 Dec 2021 21:44

Instrument :

MSVOA_X

ClientSampleId :



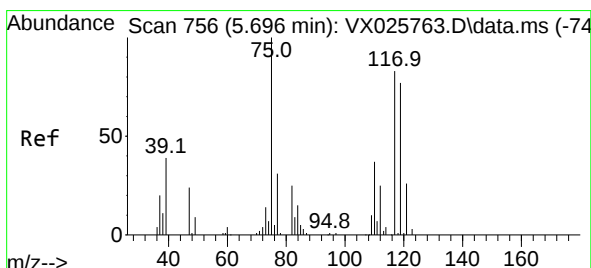
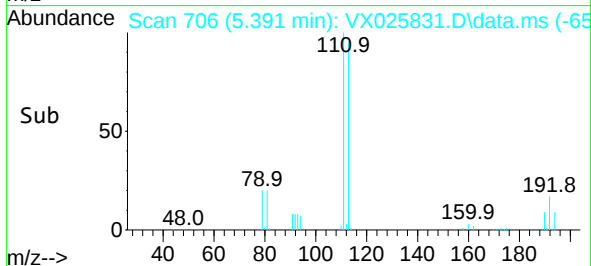
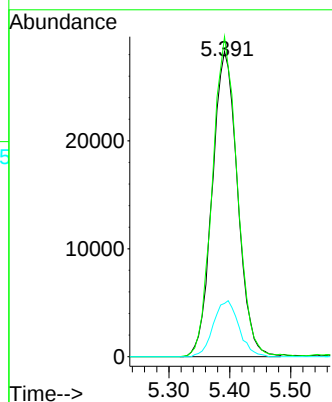
Tgt Ion:113 Resp: 81703

Ion Ratio Lower Upper

113 100

111 103.4 81.8 122.8

192 18.5 15.0 22.4



#36

1,1-Dichloropropene

Concen: 5.212 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX025831.D

Acq: 15 Dec 2021 21:44

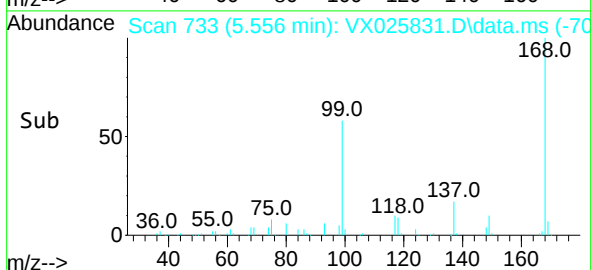
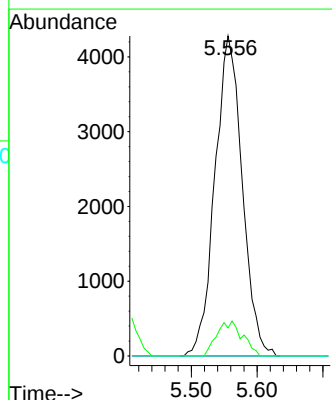
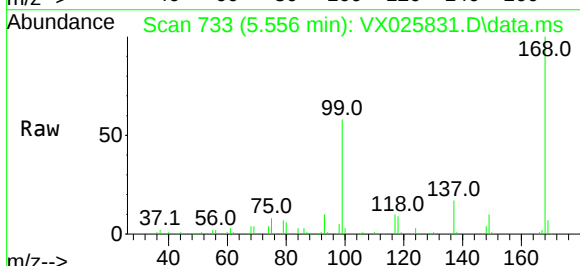
Tgt Ion: 75 Resp: 12359

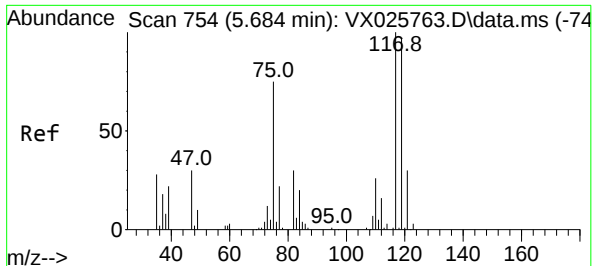
Ion Ratio Lower Upper

75 100

110 10.3 18.2 54.6#

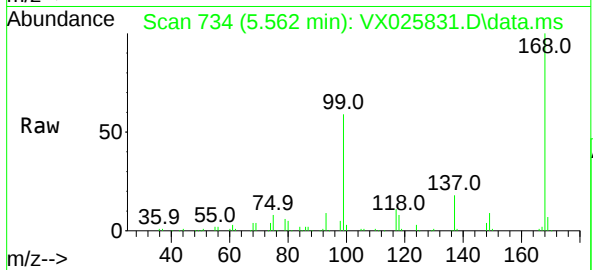
77 0.0 24.7 37.1#



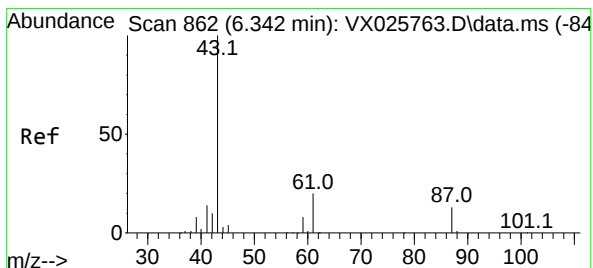
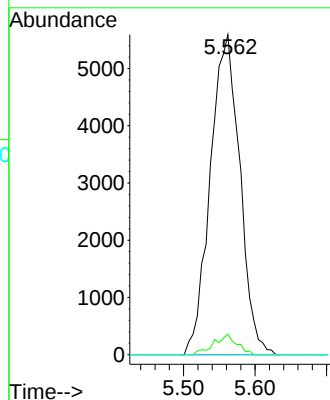
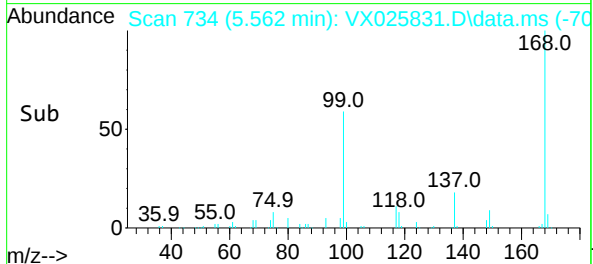


#38
Carbon Tetrachloride
Concen: 5.823 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX025831.D
Acq: 15 Dec 2021 21:44

Instrument :
MSVOA_X
ClientSampleId :

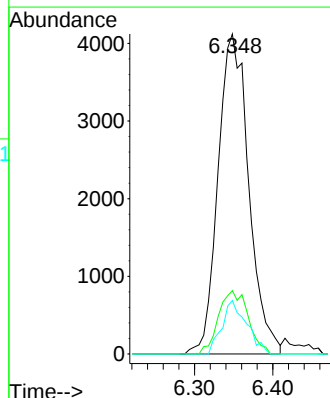
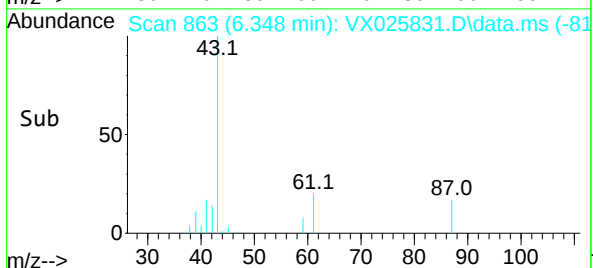
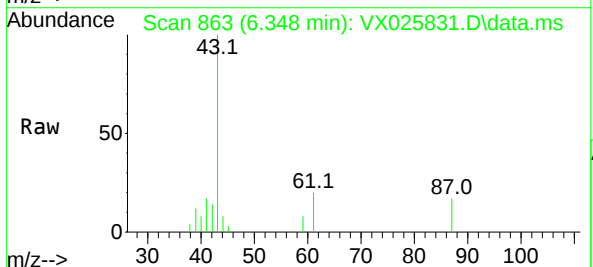


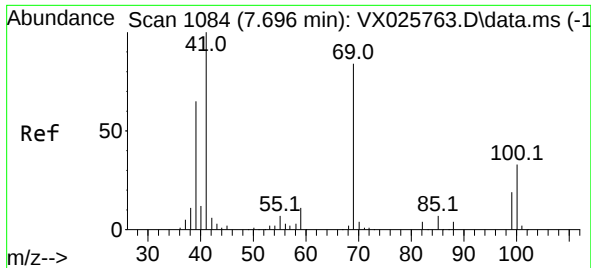
Tgt Ion:117 Resp: 16065
Ion Ratio Lower Upper
117 100
119 6.4 77.2 115.8#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 2.645 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX025831.D
Acq: 15 Dec 2021 21:44

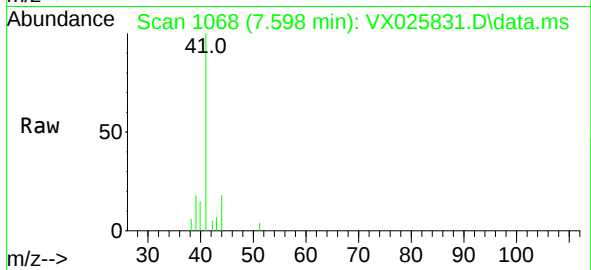
Tgt Ion: 43 Resp: 11227
Ion Ratio Lower Upper
43 100
61 19.1 15.7 23.5
87 13.5 11.2 16.8



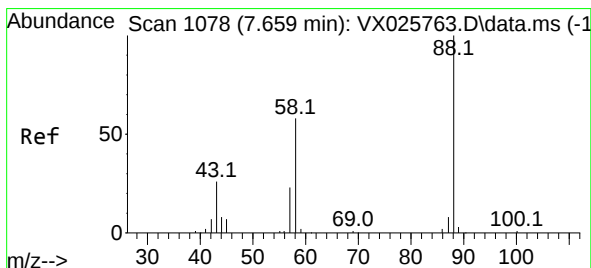
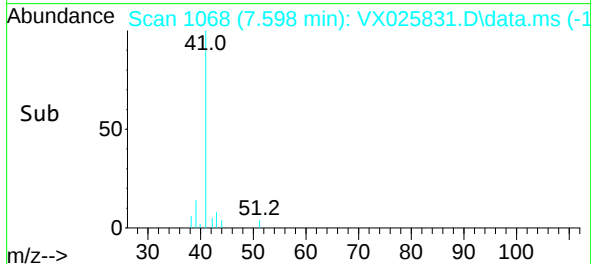
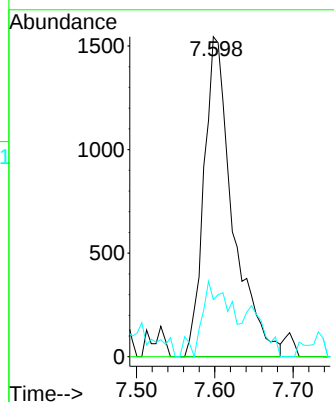


#48
Methyl methacrylate
Concen: 1.974 ug/l
RT: 7.598 min Scan# 1100
Delta R.T. -0.098 min
Lab File: VX025831.D
Acq: 15 Dec 2021 21:44

Instrument :
MSVOA_X
ClientSampleId :

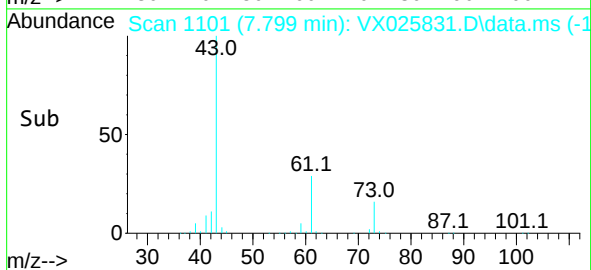
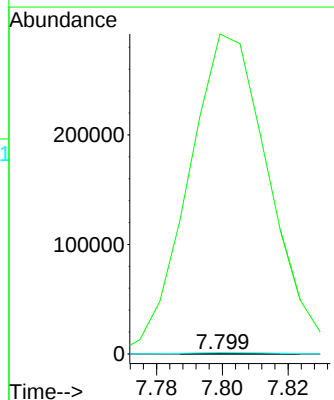
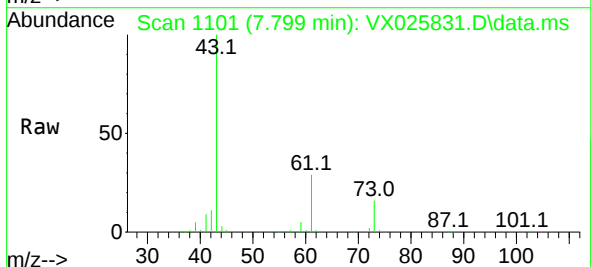


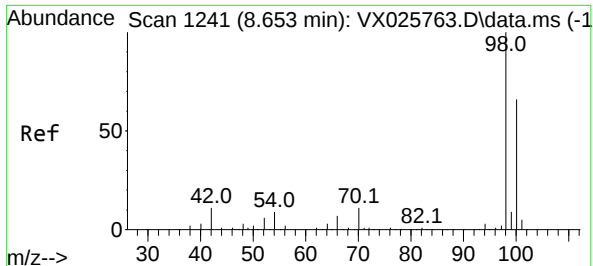
Tgt Ion: 41 Resp: 3946
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 23.8 50.2 75.2#



#49
1,4-Dioxane
Concen: 1.054 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX025831.D
Acq: 15 Dec 2021 21:44

Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 1103443.5 25.3 37.9#
58 5430.4 51.8 77.6#

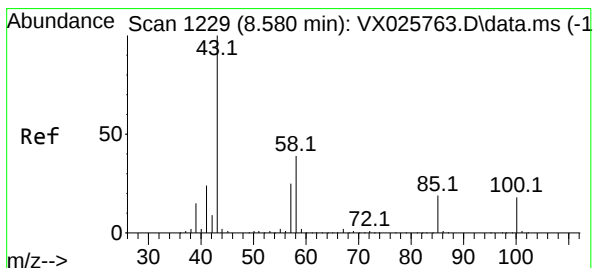
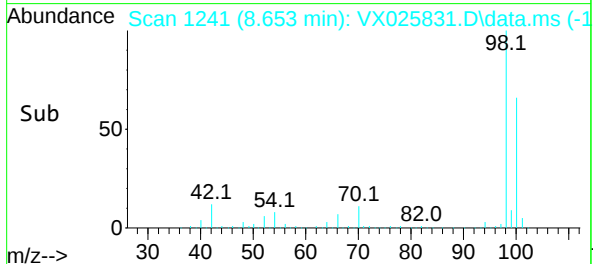
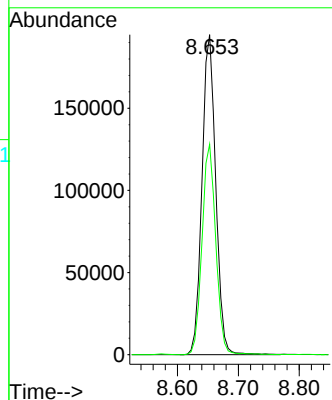
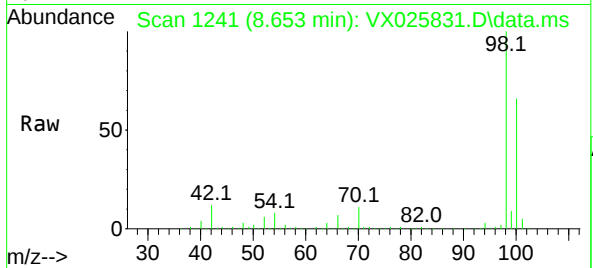




#50
Toluene-d8
Concen: 47.888 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025831.D
Acq: 15 Dec 2021 21:44

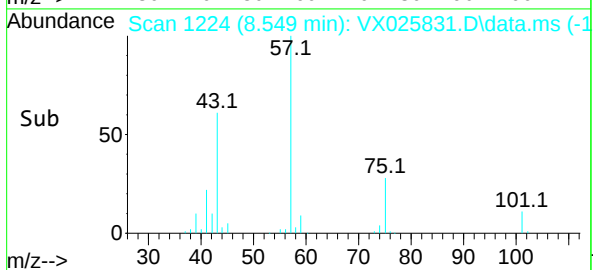
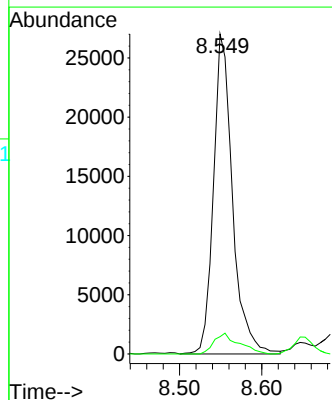
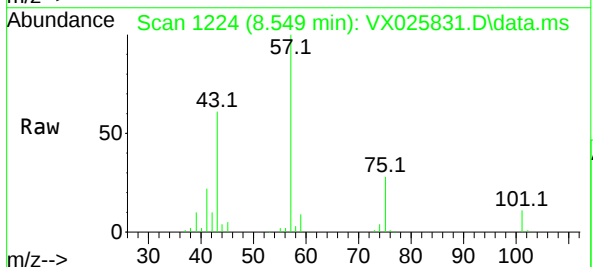
Instrument :
MSVOA_X
ClientSampleId :

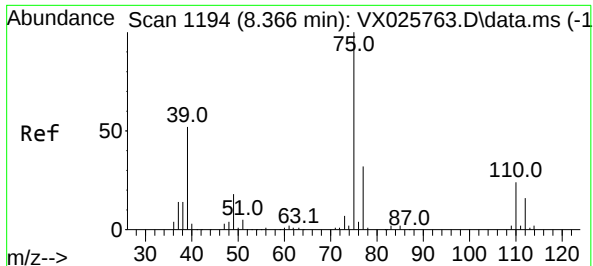
Tgt Ion: 98 Resp: 305080
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 15.634 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX025831.D
Acq: 15 Dec 2021 21:44

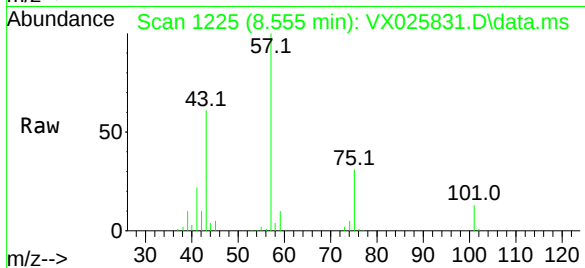
Tgt Ion: 43 Resp: 43439
Ion Ratio Lower Upper
43 100
58 8.5 30.8 46.2#



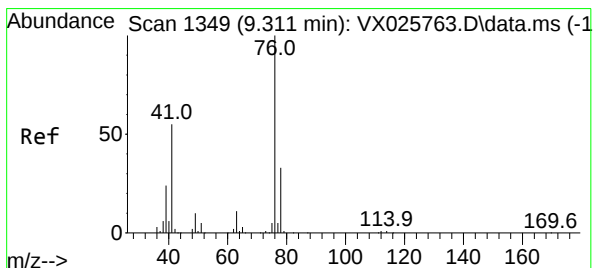
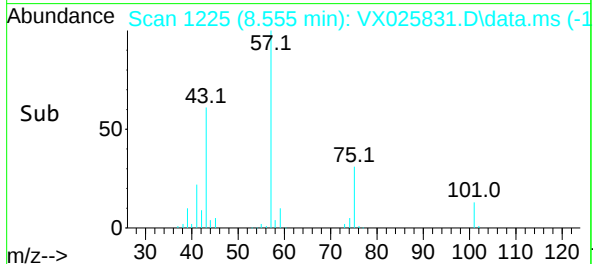
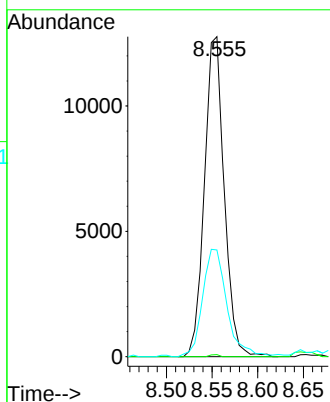


#54
 cis-1,3-Dichloropropene
 Concen: 6.720 ug/l
 RT: 8.555 min Scan# 1194
 Delta R.T. 0.189 min
 Lab File: VX025831.D
 Acq: 15 Dec 2021 21:44

Instrument :
 MSVOA_X
 ClientSampleId :

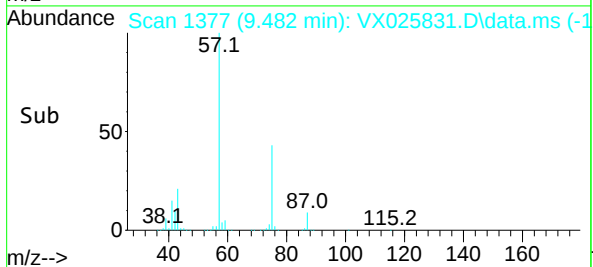
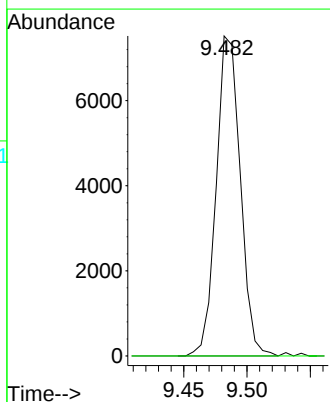
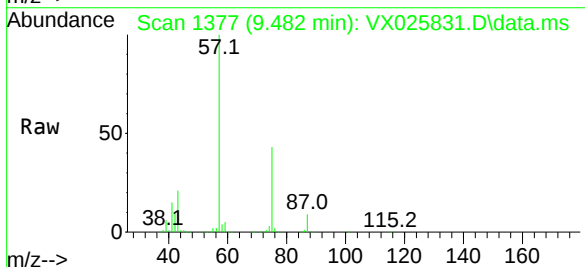


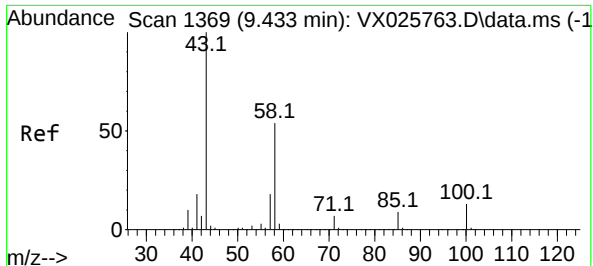
Tgt Ion: 75 Resp: 19173
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.3 37.9#
 39 33.3 41.4 62.0#



#57
 1,3-Dichloropropane
 Concen: 3.133 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.170 min
 Lab File: VX025831.D
 Acq: 15 Dec 2021 21:44

Tgt Ion: 76 Resp: 9932
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 64.984 ug/l

RT: 9.488 min Scan# 11

Delta R.T. 0.055 min

Lab File: VX025831.D

Acq: 15 Dec 2021 21:44

Instrument :

MSVOA_X

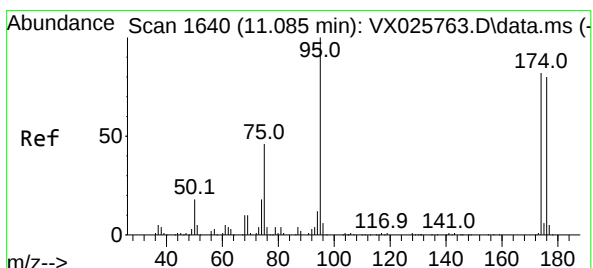
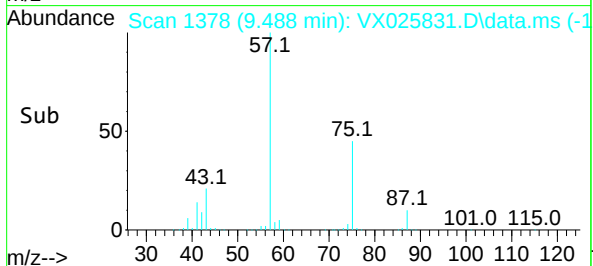
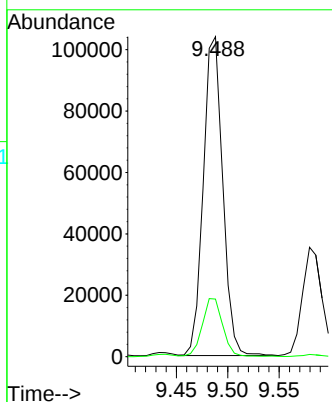
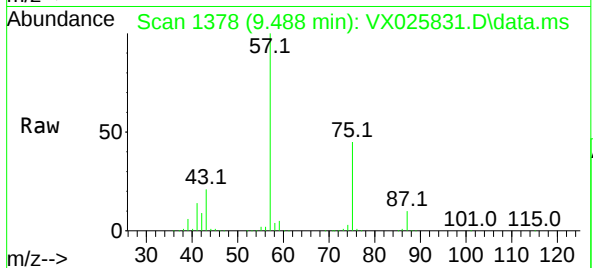
ClientSampleId :

Tgt Ion: 43 Resp: 136800

Ion Ratio Lower Upper

43 100

58 19.4 26.9 80.6#



#62

4-Bromofluorobenzene

Concen: 46.890 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.000 min

Lab File: VX025831.D

Acq: 15 Dec 2021 21:44

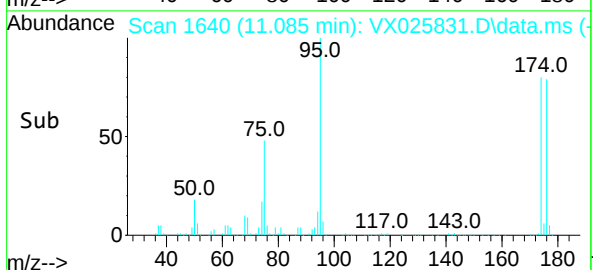
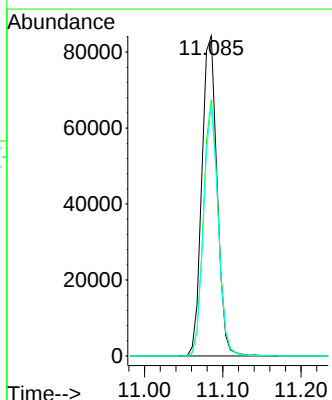
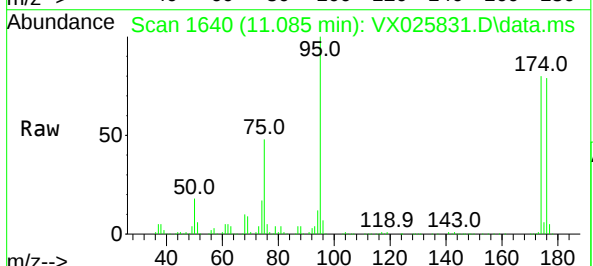
Tgt Ion: 95 Resp: 113473

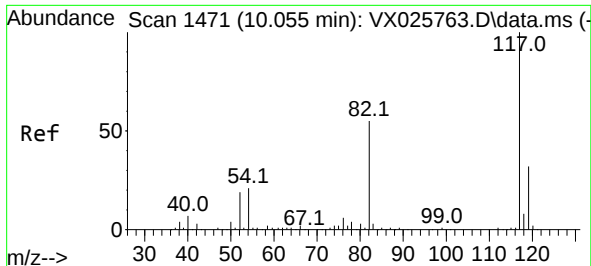
Ion Ratio Lower Upper

95 100

174 77.9 0.0 157.4

176 75.2 0.0 154.6

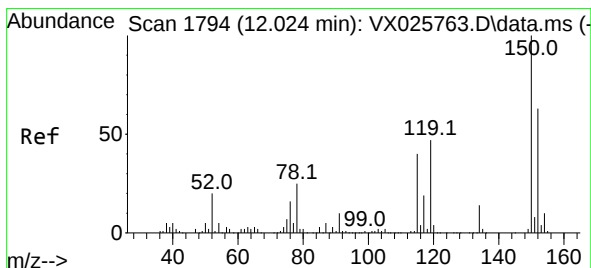
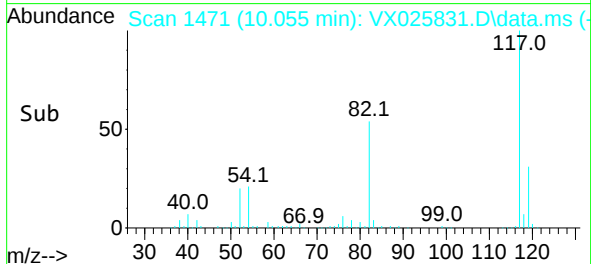
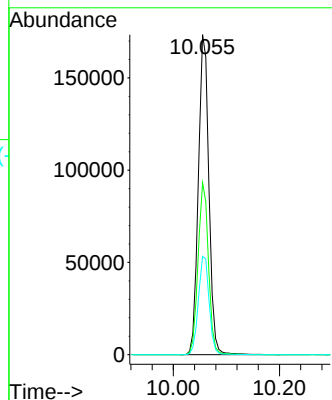
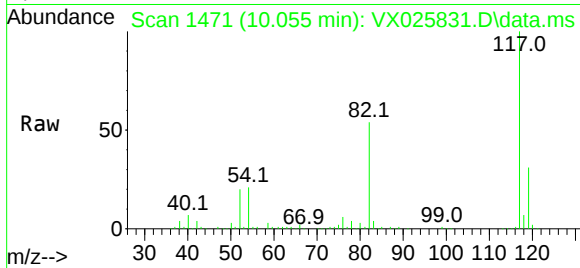




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025831.D
Acq: 15 Dec 2021 21:44

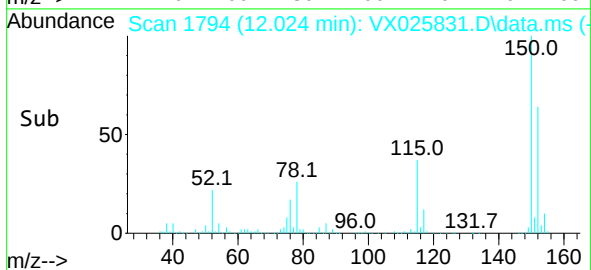
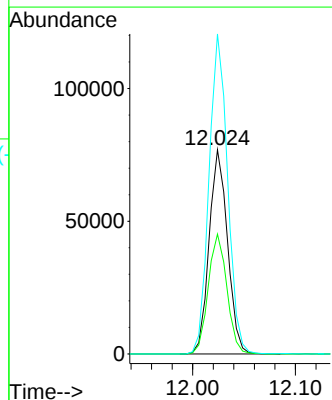
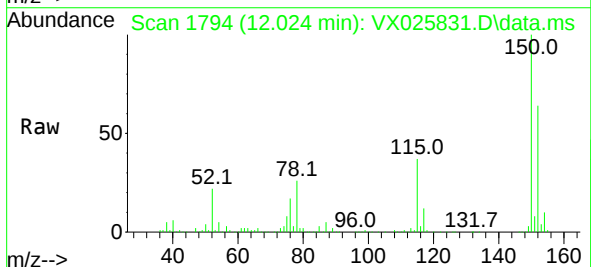
Instrument :
MSVOA_X
ClientSampleId :

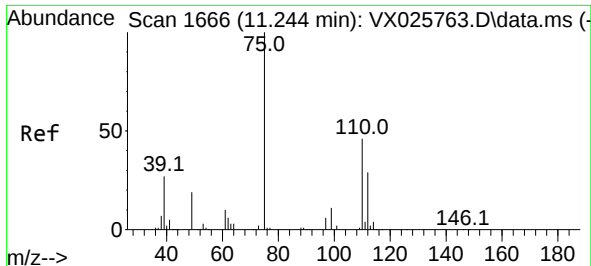
Tgt Ion:117 Resp: 239385
Ion Ratio Lower Upper
117 100
82 53.8 43.8 65.6
119 30.8 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX025831.D
Acq: 15 Dec 2021 21:44

Tgt Ion:152 Resp: 95786
Ion Ratio Lower Upper
152 100
115 59.4 41.3 123.9
150 157.8 0.0 351.8

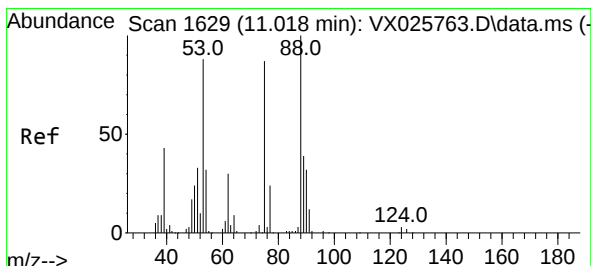
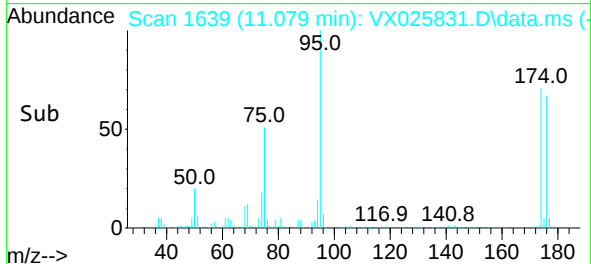
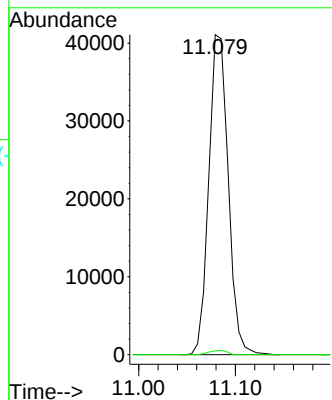
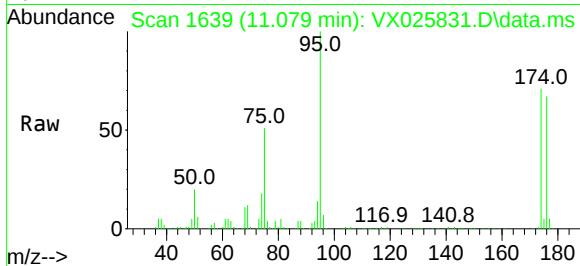




#76
1,2,3-Trichloropropane
Concen: 26.175 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025831.D
Acq: 15 Dec 2021 21:44

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 57444
Ion Ratio Lower Upper
75 100
77 1.2 19.0 57.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.149 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025831.D
Acq: 15 Dec 2021 21:44

Tgt Ion: 75 Resp: 57444
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.1 38.3 57.5#

