

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110724\
 Data File : VX043727.D
 Acq On : 07 Nov 2024 11:29
 Operator : JC/MD
 Sample : VX1107MBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 08 04:03:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

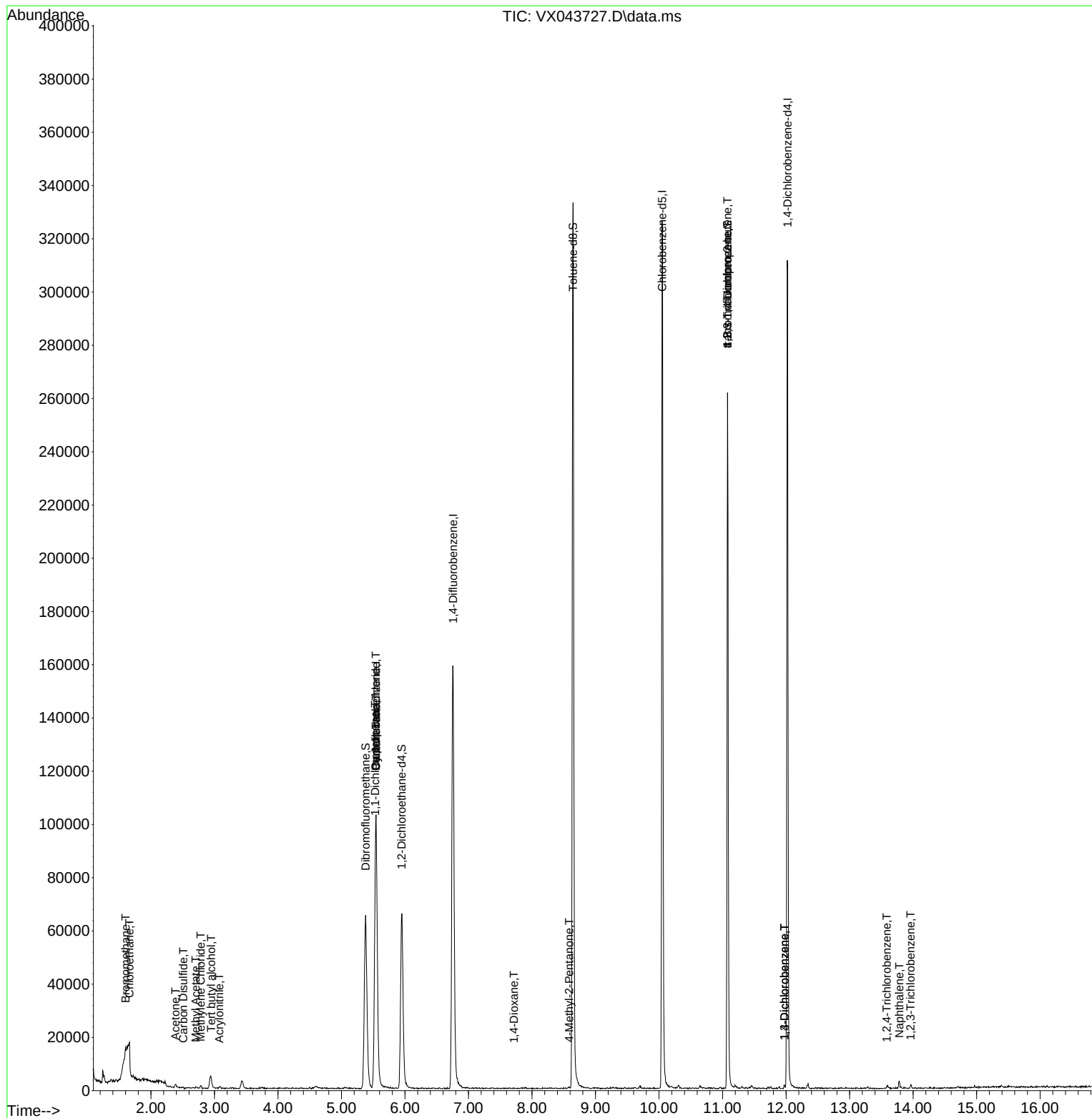
Internal Standards						
1) Pentafluorobenzene	5.543	168	104295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	185184	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	164618	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	63523	38.198	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	76.400%		
35) Dibromofluoromethane	5.379	113	59687	47.532	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.060%		
50) Toluene-d8	8.646	98	212673	48.926	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.860%		
62) 4-Bromofluorobenzene	11.079	95	74354	46.162	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.320%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	371	0.688	ug/l	87
6) Chloroethane	1.660	64	204	0.438	ug/l #	62
11) Tert butyl alcohol	2.946	59	2815	9.069	ug/l #	100
15) Acrylonitrile	3.074	53	204	0.291	ug/l #	55
16) Acetone	2.385	43	1228	1.860	ug/l	93
17) Carbon Disulfide	2.507	76	494	0.211	ug/l #	75
18) Methyl Acetate	2.702	43	503	0.261	ug/l #	51
20) Methylene Chloride	2.782	84	395	0.278	ug/l #	85
31) Cyclohexane	5.543	56	1939	1.104	ug/l #	1
36) 1,1-Dichloropropene	5.531	75	7398	4.968	ug/l #	44
38) Carbon Tetrachloride	5.543	117	10182	6.189	ug/l #	15
49) 1,4-Dioxane	7.714	88	24	0.824	ug/l #	25
51) 4-Methyl-2-Pentanone	8.585	43	396	0.217	ug/l #	36
76) 1,2,3-Trichloropropane	11.079	75	35179	22.625	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	35179	62.243	ug/l #	7
87) 1,3-Dichlorobenzene	11.975	146	530	0.222	ug/l	90
88) 1,4-Dichlorobenzene	11.975	146	530	0.215	ug/l	88
93) 1,2,4-Trichlorobenzene	13.585	180	547	0.370	ug/l #	60
95) Naphthalene	13.786	128	2892	0.511	ug/l #	91
96) 1,2,3-Trichlorobenzene	13.963	180	504	0.323	ug/l	91

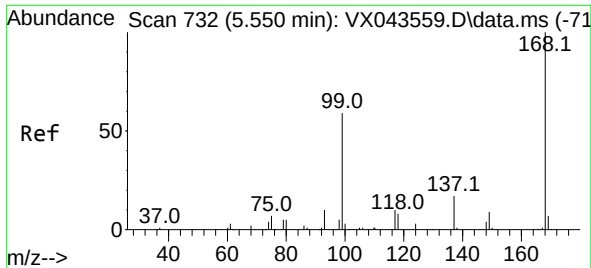
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

Quant Time: Nov 08 04:03:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

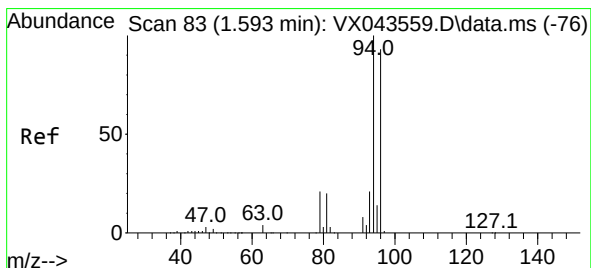
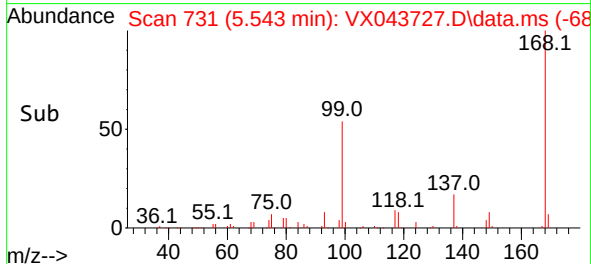
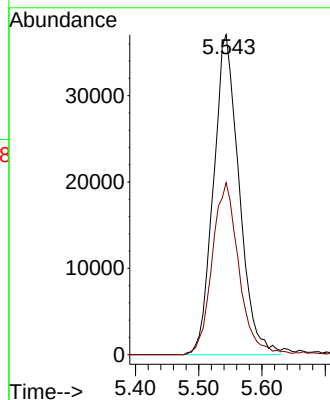
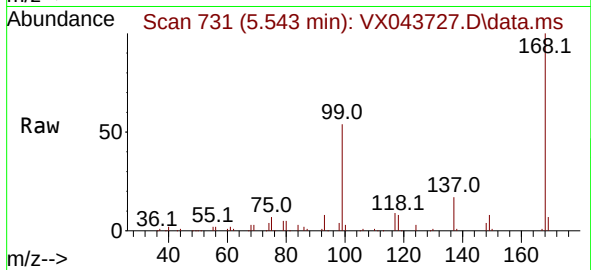




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX043727.D
Acq: 07 Nov 2024 11:29

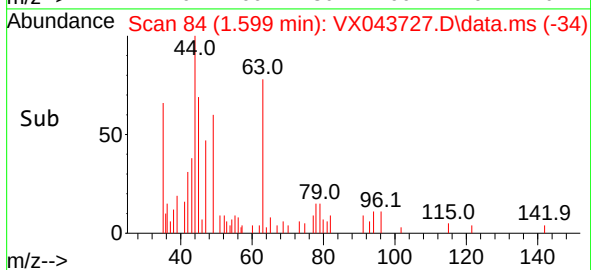
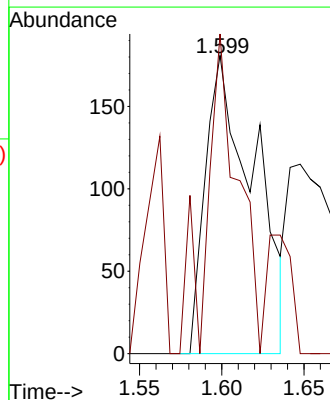
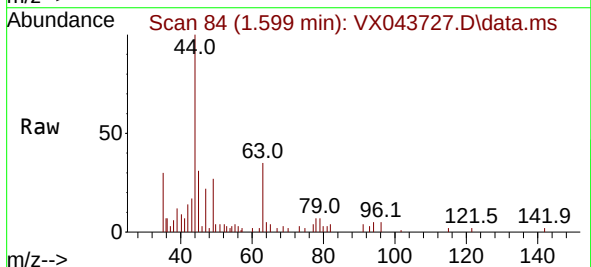
Instrument :
MSVOA_X
ClientSampleId :

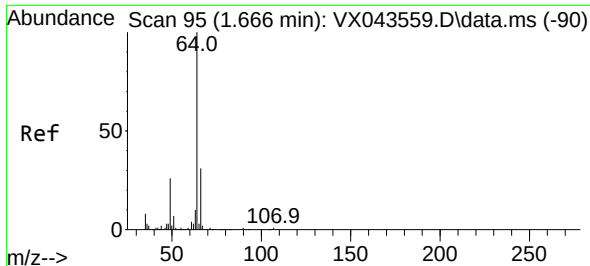
Tgt Ion:168 Resp: 104295
Ion Ratio Lower Upper
168 100
99 53.7 52.6 78.8



#5
Bromomethane
Concen: 0.688 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX043727.D
Acq: 07 Nov 2024 11:29

Tgt Ion: 94 Resp: 371
Ion Ratio Lower Upper
94 100
96 107.2 75.9 113.9

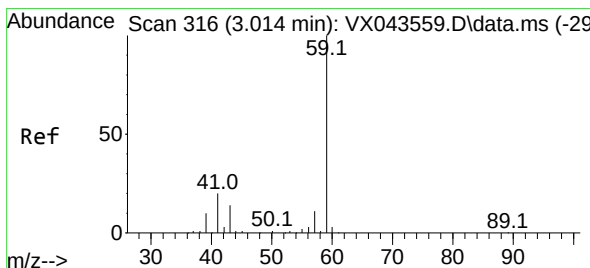
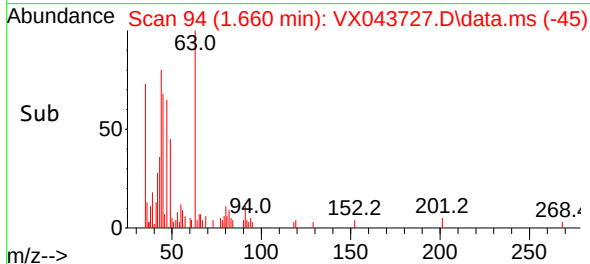
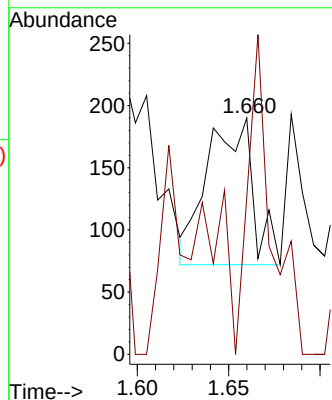
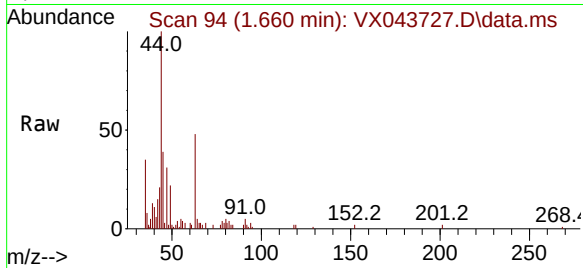




#6
Chloroethane
Concen: 0.438 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX043727.D
Acq: 07 Nov 2024 11:29

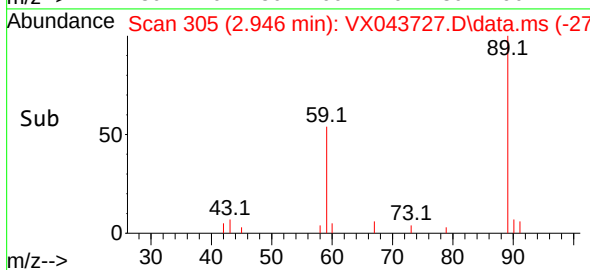
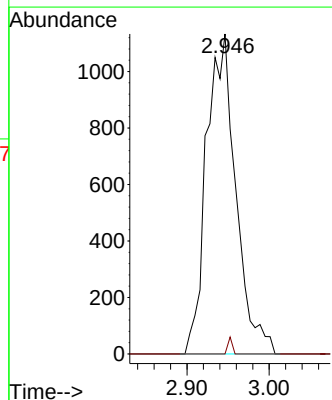
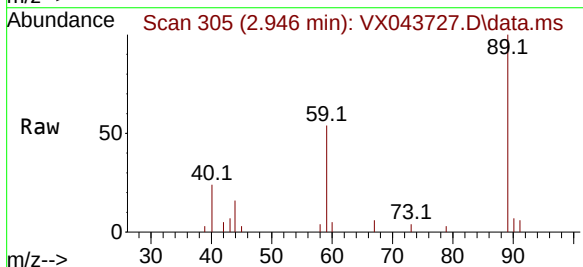
Instrument :
MSVOA_X
ClientSampleId :

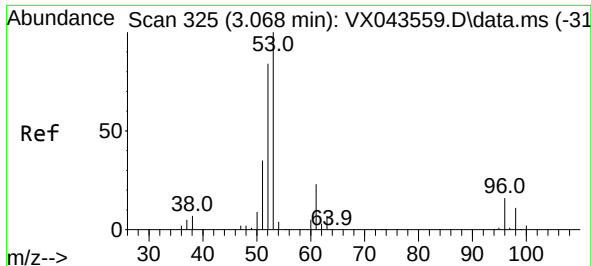
Tgt Ion: 64 Resp: 204
Ion Ratio Lower Upper
64 100
66 52.5 25.1 37.7#



#11
Tert butyl alcohol
Concen: 9.069 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.104 min
Lab File: VX043727.D
Acq: 07 Nov 2024 11:29

Tgt Ion: 59 Resp: 2815
Ion Ratio Lower Upper
59 100
57 0.8 0.0 0.0#





#15

Acrylonitrile

Concen: 0.291 ug/l

RT: 3.074 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX043727.D

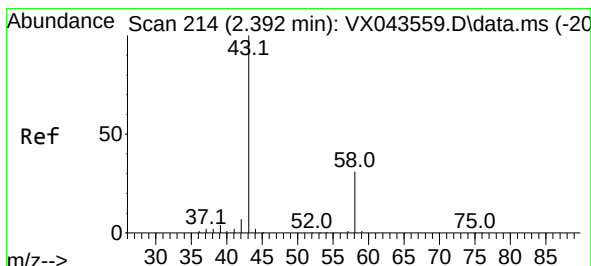
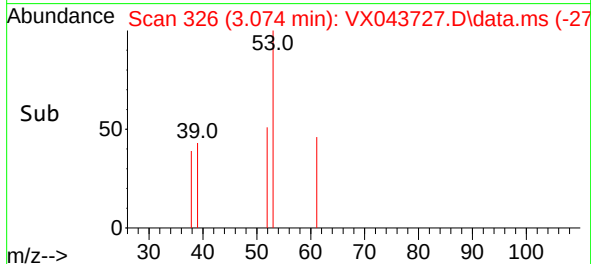
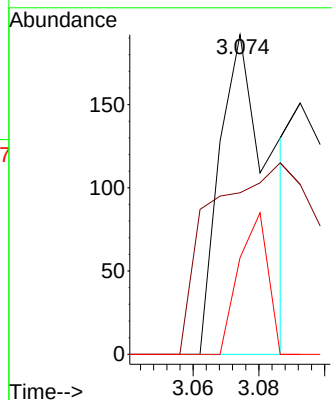
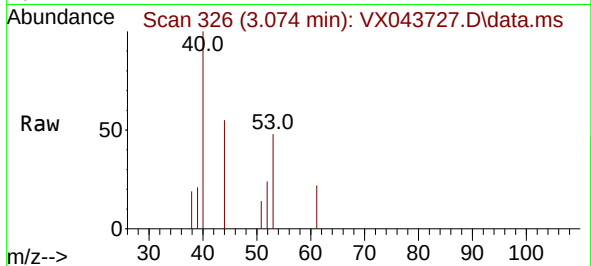
Acq: 07 Nov 2024 11:29

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 53	Resp: 204
Ion Ratio	Lower Upper
53 100	
52 133.3	65.8 98.6#
51 25.5	28.5 42.7#



#16

Acetone

Concen: 1.860 ug/l

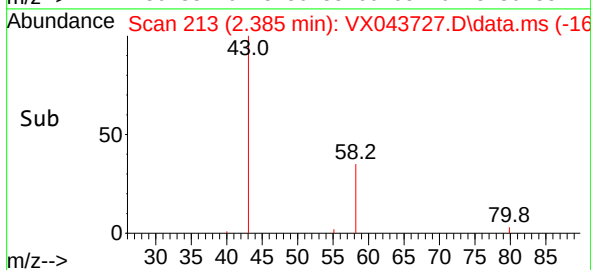
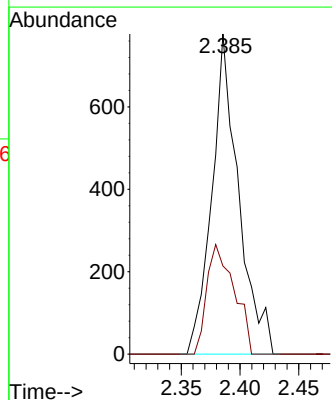
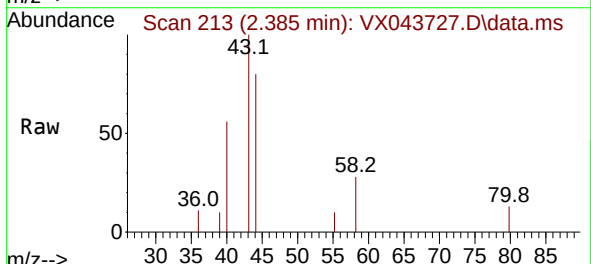
RT: 2.385 min Scan# 213

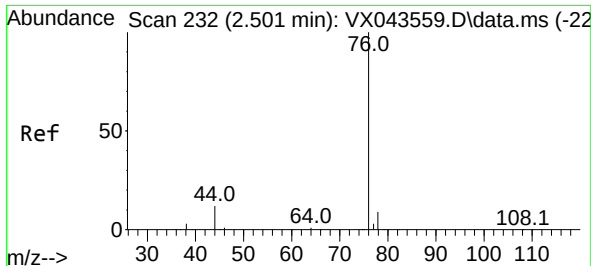
Delta R.T. -0.012 min

Lab File: VX043727.D

Acq: 07 Nov 2024 11:29

Tgt Ion: 43	Resp: 1228
Ion Ratio	Lower Upper
43 100	
58 27.5	25.1 37.7





#17

Carbon Disulfide

Concen: 0.211 ug/l

RT: 2.507 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX043727.D

Acq: 07 Nov 2024 11:29

Instrument :

MSVOA_X

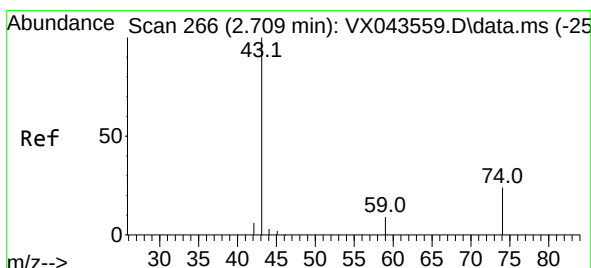
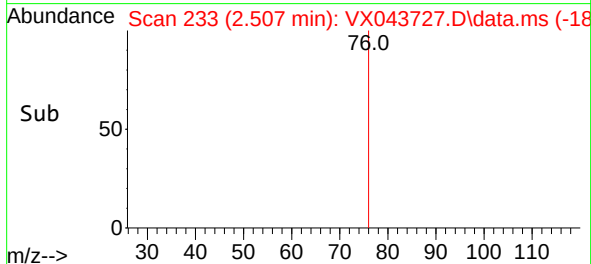
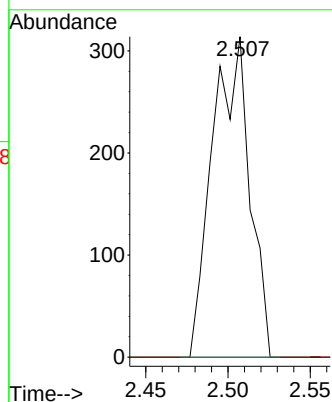
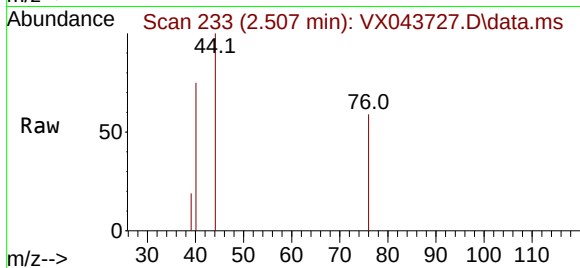
ClientSampleId :

Tgt Ion: 76 Resp: 494

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



#18

Methyl Acetate

Concen: 0.261 ug/l

RT: 2.702 min Scan# 265

Delta R.T. -0.006 min

Lab File: VX043727.D

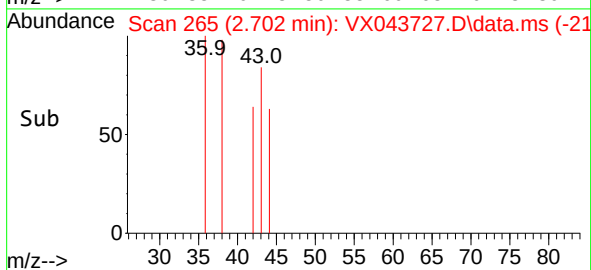
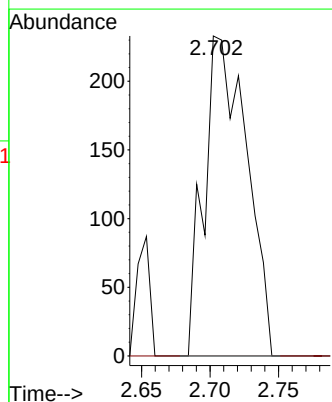
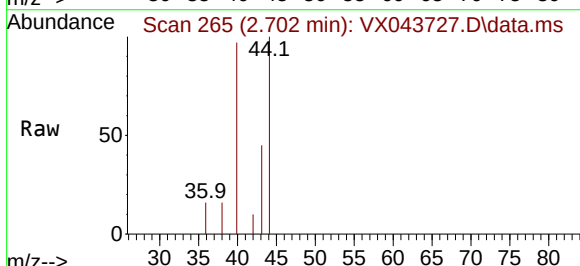
Acq: 07 Nov 2024 11:29

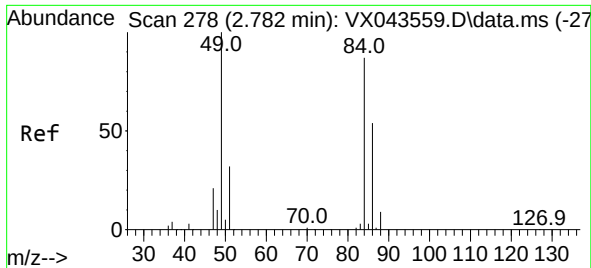
Tgt Ion: 43 Resp: 503

Ion Ratio Lower Upper

43 100

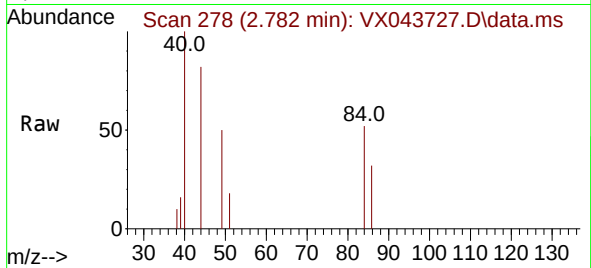
74 0.0 19.1 28.7#



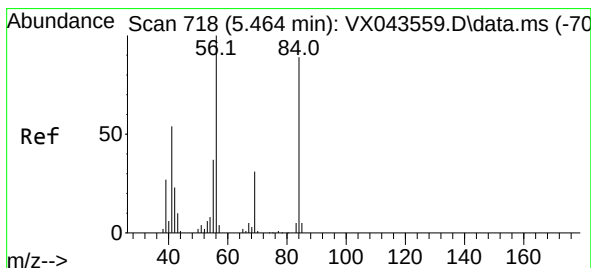
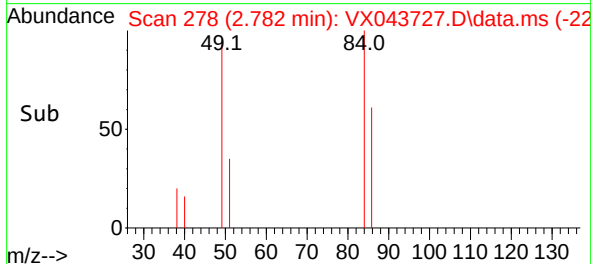
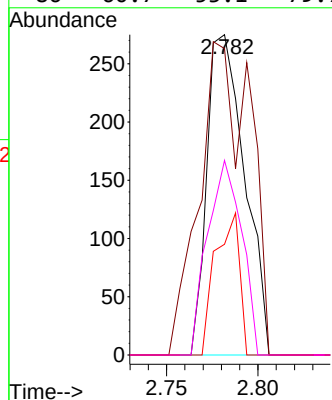


#20
Methylene Chloride
Concen: 0.278 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043727.D
Acq: 07 Nov 2024 11:29

Instrument :
MSVOA_X
ClientSampleId :

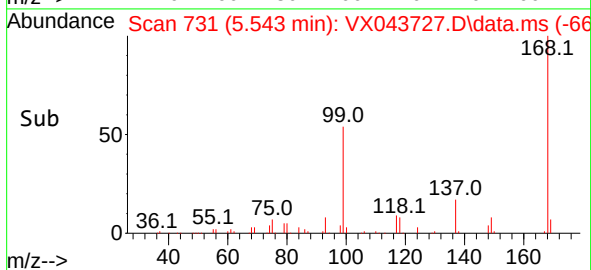
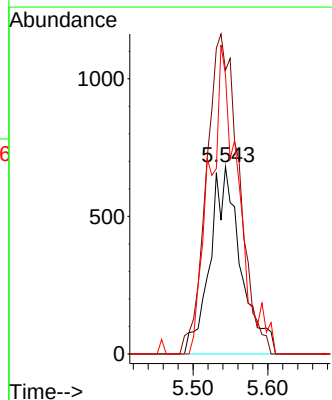
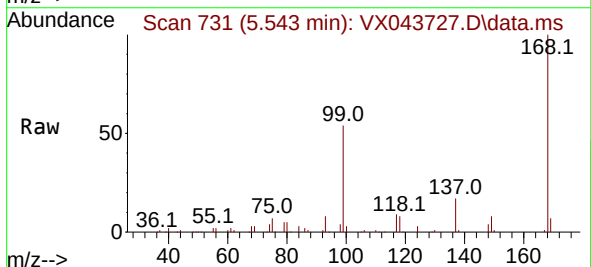


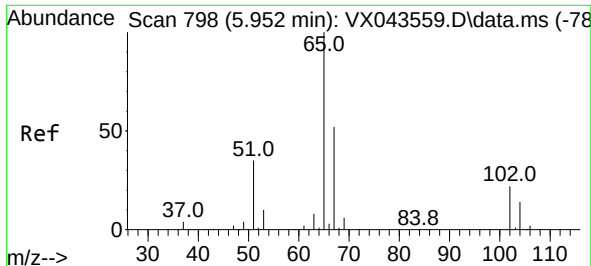
Tgt Ion:	84	Resp:	395
Ion	Ratio	Lower	Upper
84	100		
49	95.6	97.0	145.6#
51	34.5	29.8	44.8
86	60.7	53.1	79.7



#31
Cyclohexane
Concen: 1.104 ug/l
RT: 5.543 min Scan# 731
Delta R.T. 0.085 min
Lab File: VX043727.D
Acq: 07 Nov 2024 11:29

Tgt Ion:	56	Resp:	1939
Ion	Ratio	Lower	Upper
56	100		
69	151.4	24.9	37.3#
84	148.9	73.3	109.9#





#33

1,2-Dichloroethane-d4

Concen: 38.198 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX043727.D

Acq: 07 Nov 2024 11:29

Instrument :

MSVOA_X

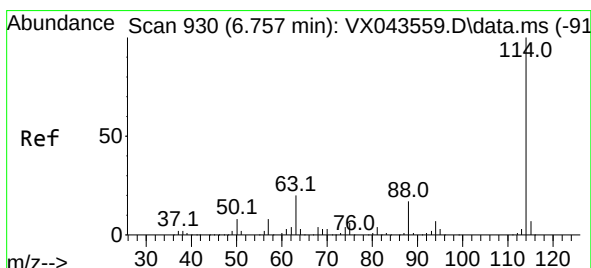
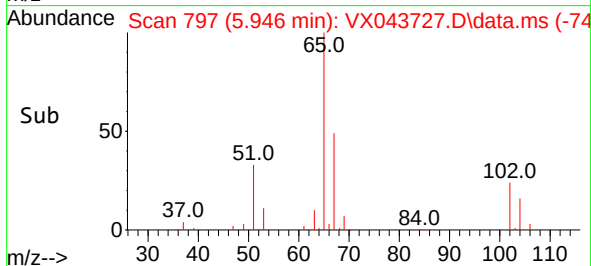
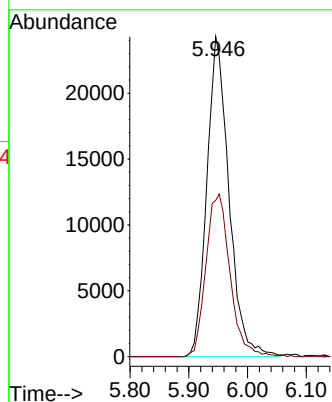
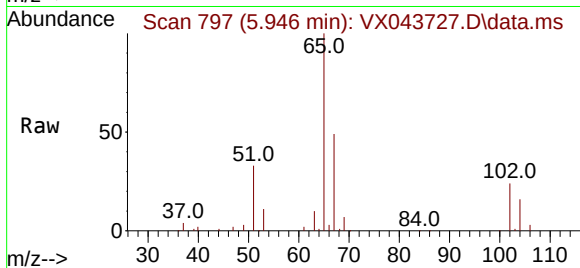
ClientSampleId :

Tgt Ion: 65 Resp: 63523

Ion Ratio Lower Upper

65 100

67 55.4 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX043727.D

Acq: 07 Nov 2024 11:29

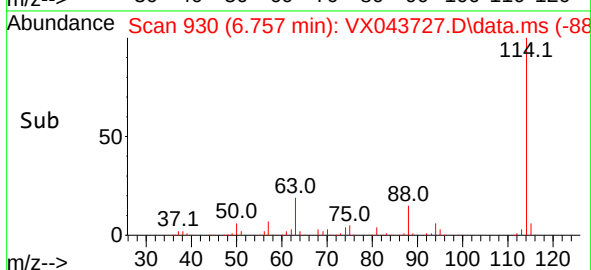
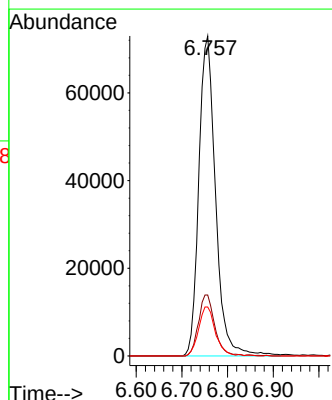
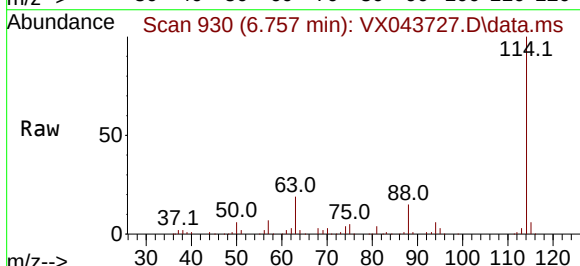
Tgt Ion: 114 Resp: 185184

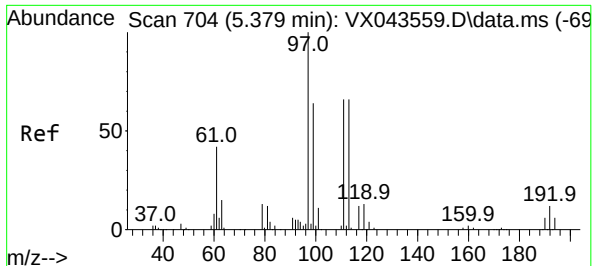
Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.2

88 15.3 0.0 34.0





#35

Dibromofluoromethane

Concen: 47.532 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.006 min

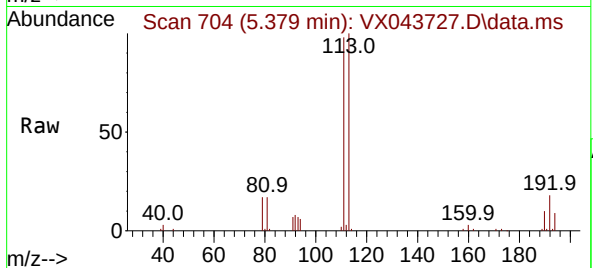
Lab File: VX043727.D

Acq: 07 Nov 2024 11:29

Instrument :

MSVOA_X

ClientSampleId :



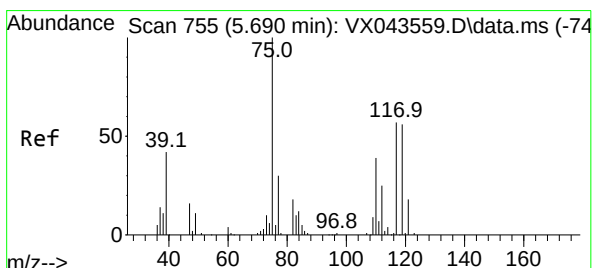
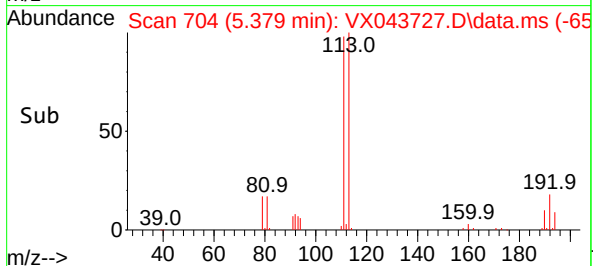
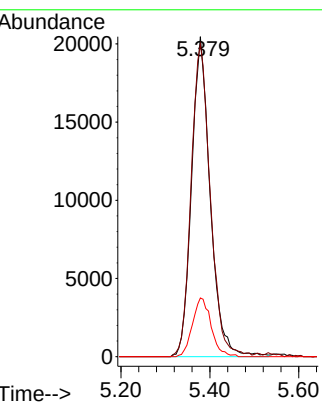
Tgt Ion:113 Resp: 59687

Ion Ratio Lower Upper

113 100

111 100.4 81.4 122.0

192 18.4 14.1 21.1



#36

1,1-Dichloropropene

Concen: 4.968 ug/l

RT: 5.531 min Scan# 729

Delta R.T. -0.153 min

Lab File: VX043727.D

Acq: 07 Nov 2024 11:29

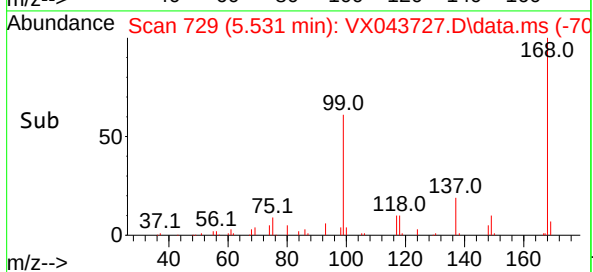
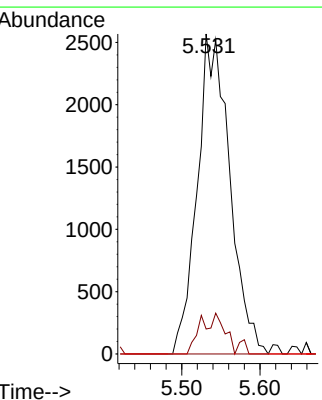
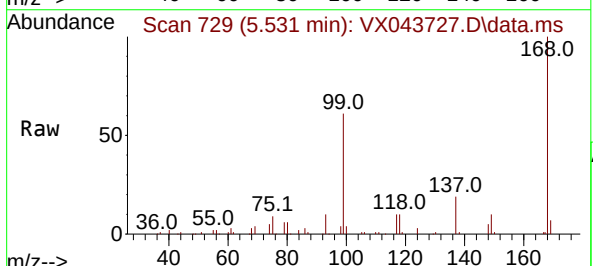
Tgt Ion: 75 Resp: 7398

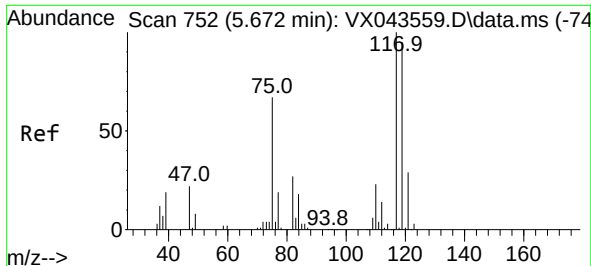
Ion Ratio Lower Upper

75 100

110 3.7 17.9 53.7#

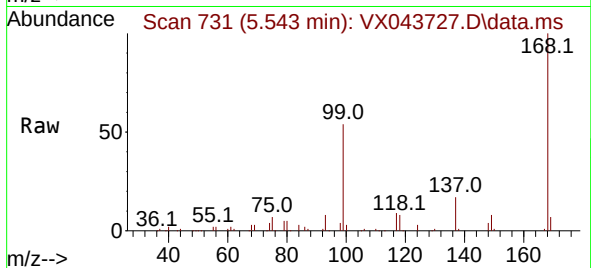
77 0.0 25.0 37.4#



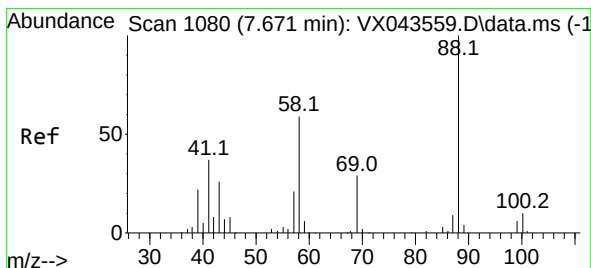
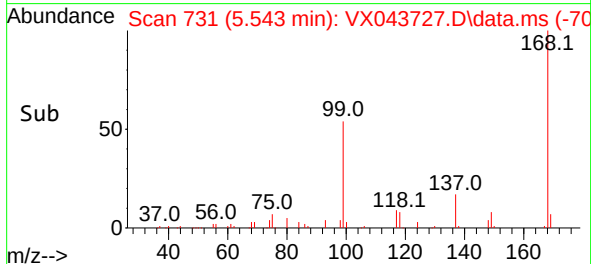
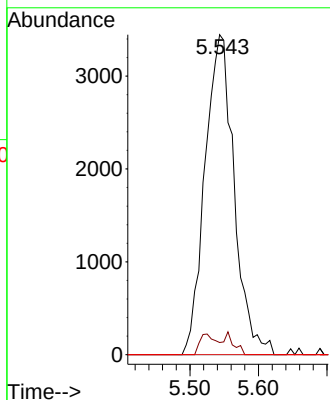


#38
Carbon Tetrachloride
Concen: 6.189 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX043727.D
Acq: 07 Nov 2024 11:29

Instrument :
MSVOA_X
ClientSampleId :

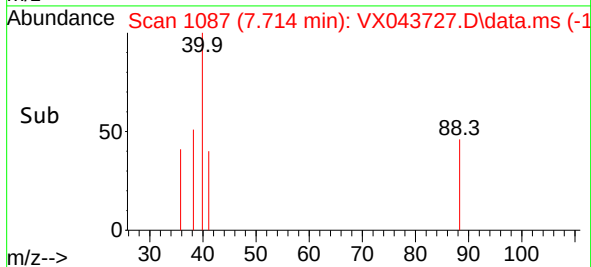
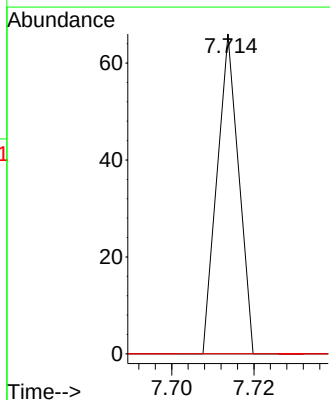
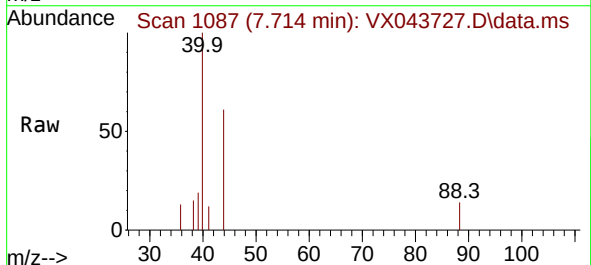


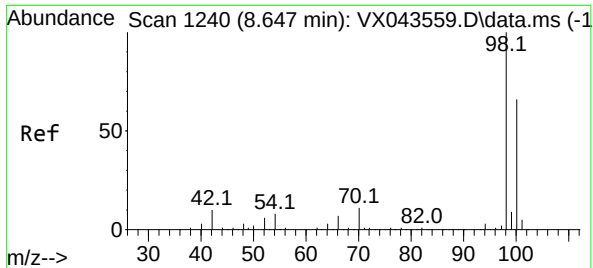
Tgt Ion:117 Resp: 10182
Ion Ratio Lower Upper
117 100
119 3.8 77.0 115.6#
121 0.0 24.7 37.1#



#49
1,4-Dioxane
Concen: 0.824 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.042 min
Lab File: VX043727.D
Acq: 07 Nov 2024 11:29

Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 0.0 25.3 37.9#
58 0.0 53.9 80.9#

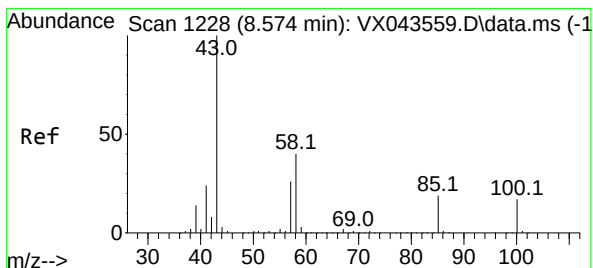
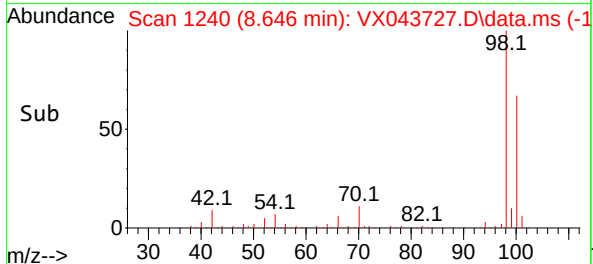
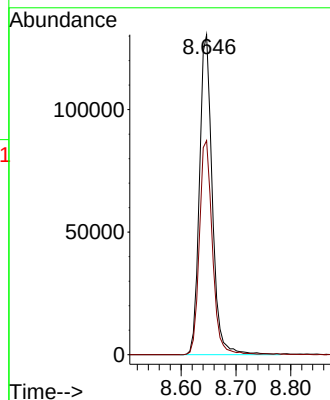
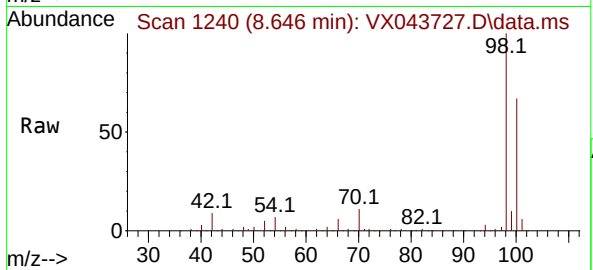




#50
Toluene-d8
Concen: 48.926 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043727.D
Acq: 07 Nov 2024 11:29

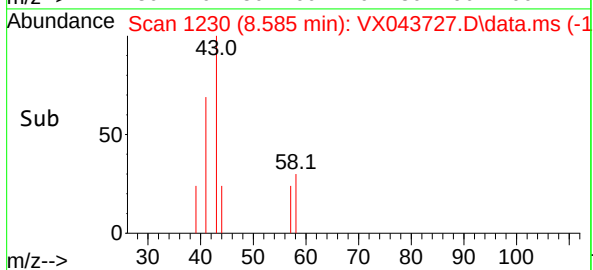
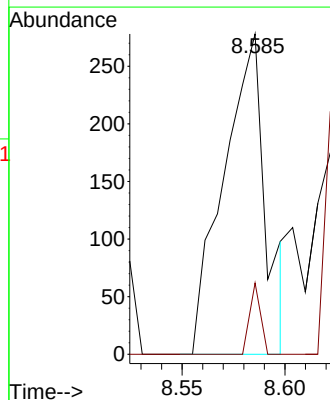
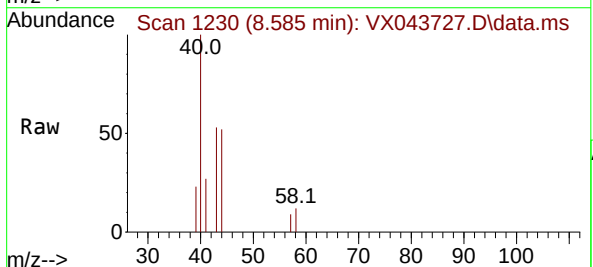
Instrument :
MSVOA_X
ClientSampleId :

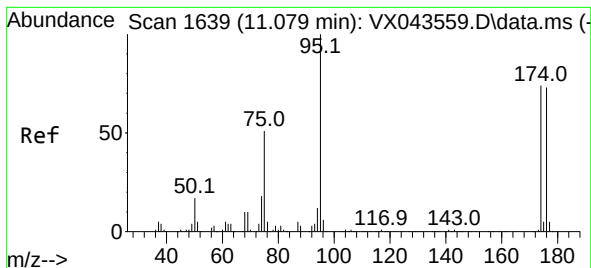
Tgt Ion: 98 Resp: 212673
Ion Ratio Lower Upper
98 100
100 67.8 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.217 ug/l
RT: 8.585 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VX043727.D
Acq: 07 Nov 2024 11:29

Tgt Ion: 43 Resp: 396
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#

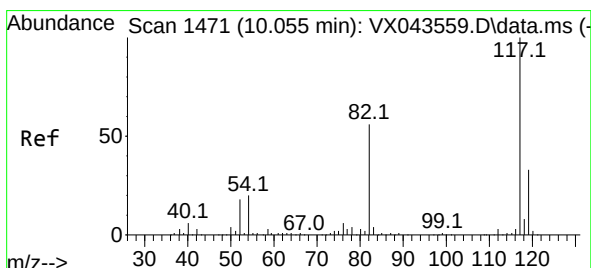
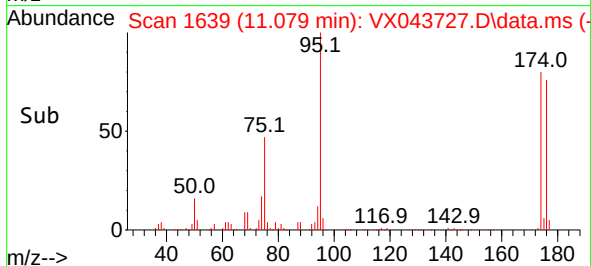
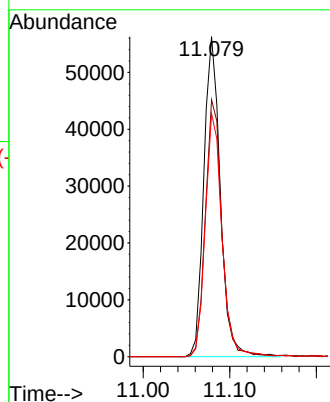
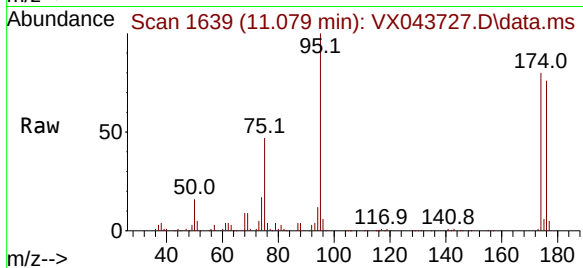




#62
4-Bromofluorobenzene
Concen: 46.162 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043727.D
Acq: 07 Nov 2024 11:29

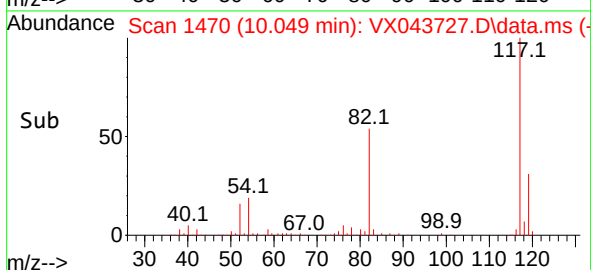
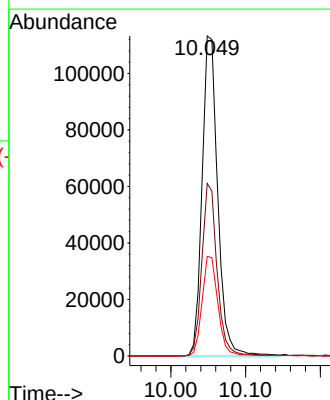
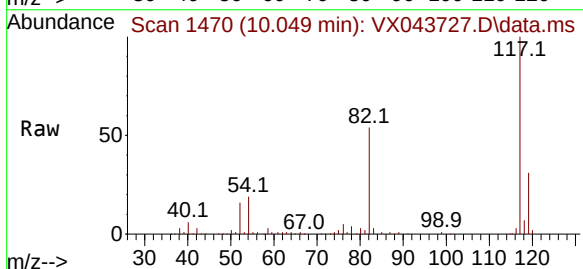
Instrument :
MSVOA_X
ClientSampleId :

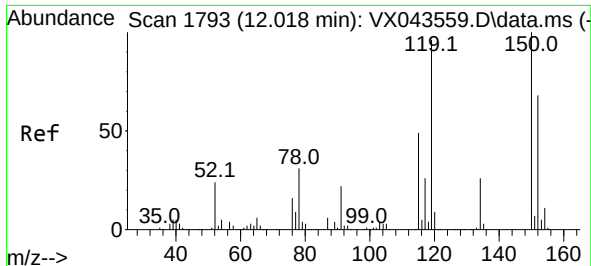
Tgt Ion: 95 Resp: 74354
Ion Ratio Lower Upper
95 100
174 80.8 0.0 146.6
176 77.0 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VX043727.D
Acq: 07 Nov 2024 11:29

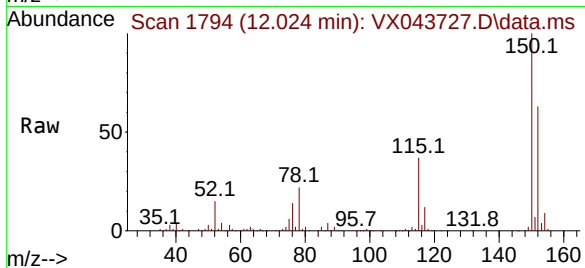
Tgt Ion: 117 Resp: 164618
Ion Ratio Lower Upper
117 100
82 53.9 42.1 63.1
119 31.1 25.4 38.2



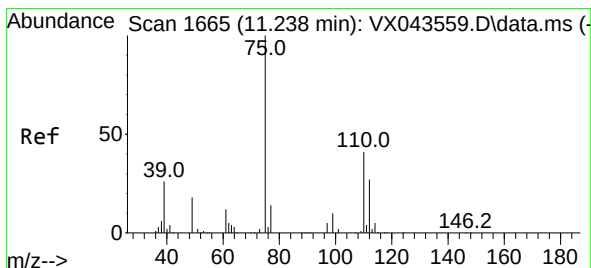
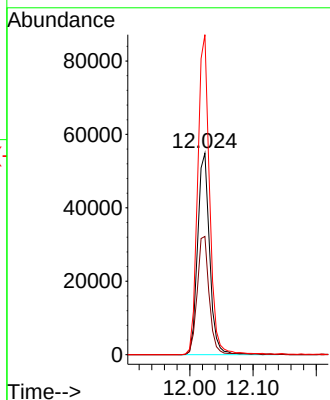
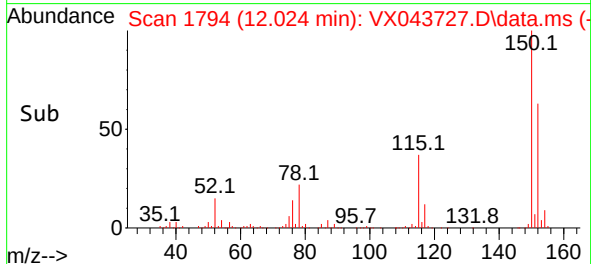


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043727.D
Acq: 07 Nov 2024 11:29

Instrument :
MSVOA_X
ClientSampleId :

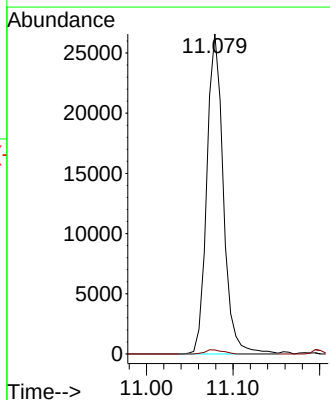
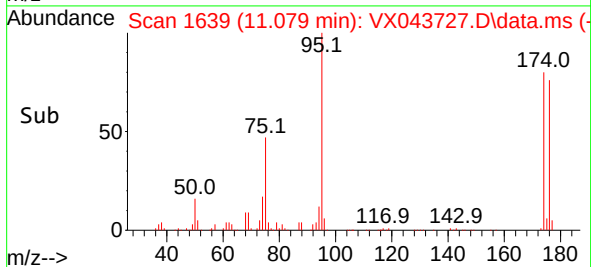
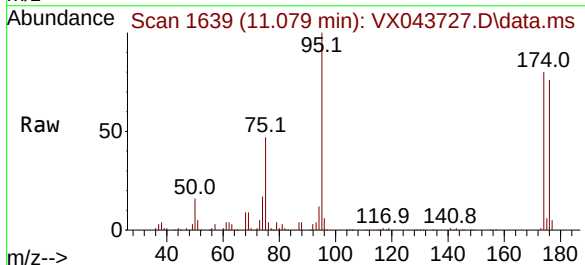


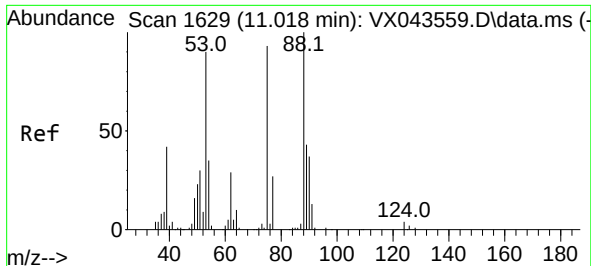
Tgt Ion:152 Resp: 72720
Ion Ratio Lower Upper
152 100
115 59.0 42.9 128.7
150 157.2 0.0 343.6



#76
1,2,3-Trichloropropane
Concen: 22.625 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043727.D
Acq: 07 Nov 2024 11:29

Tgt Ion: 75 Resp: 35179
Ion Ratio Lower Upper
75 100
77 1.4 22.4 67.2#

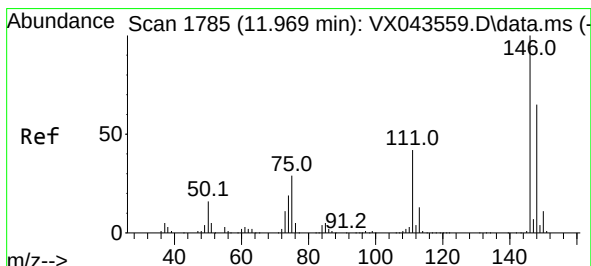
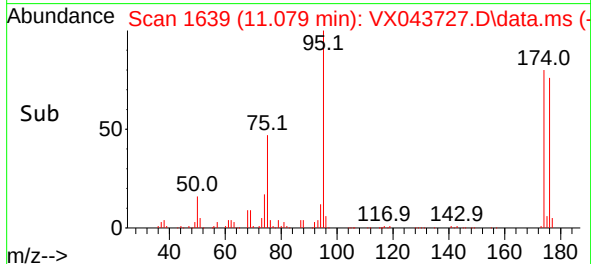
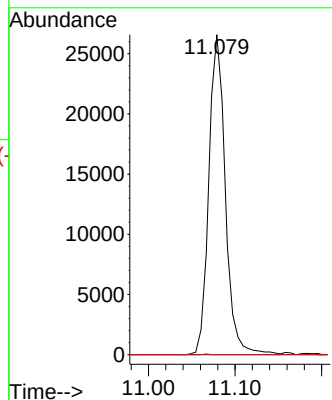
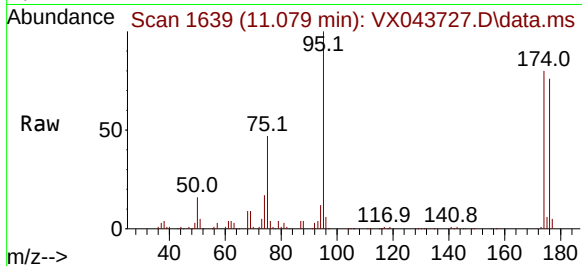




#81
trans-1,4-Dichloro-2-butene
Concen: 62.243 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043727.D
Acq: 07 Nov 2024 11:29

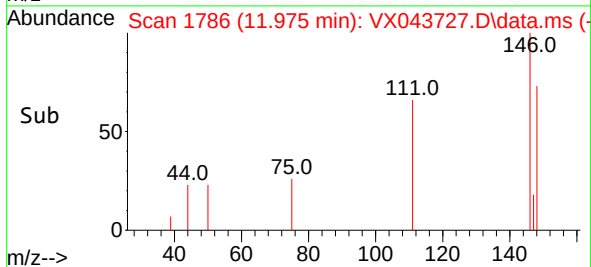
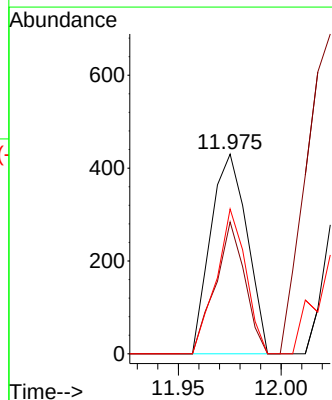
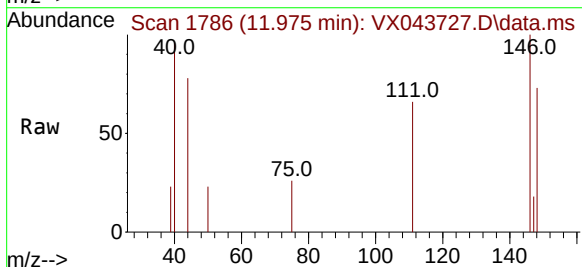
Instrument :
MSVOA_X
ClientSampleId :

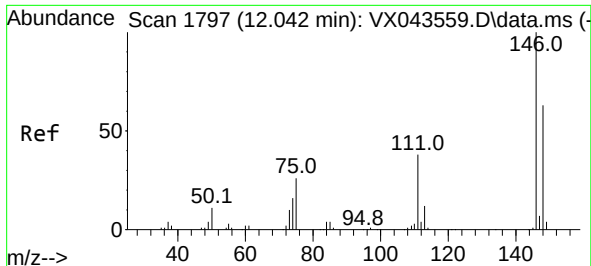
Tgt Ion: 75 Resp: 35179
Ion Ratio Lower Upper
75 100
53 0.0 84.6 126.8#
89 0.1 38.6 58.0#



#87
1,3-Dichlorobenzene
Concen: 0.222 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX043727.D
Acq: 07 Nov 2024 11:29

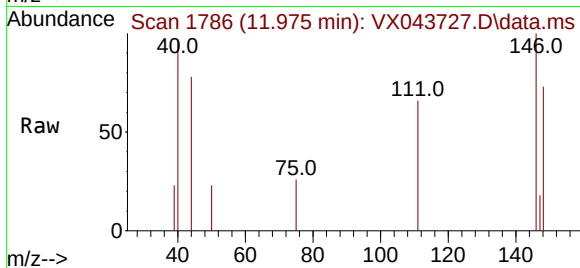
Tgt Ion:146 Resp: 530
Ion Ratio Lower Upper
146 100
111 53.4 21.1 63.4
148 59.1 31.6 94.8



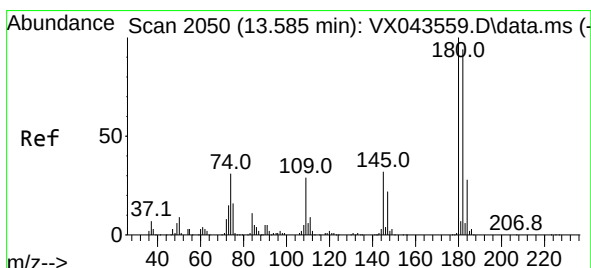
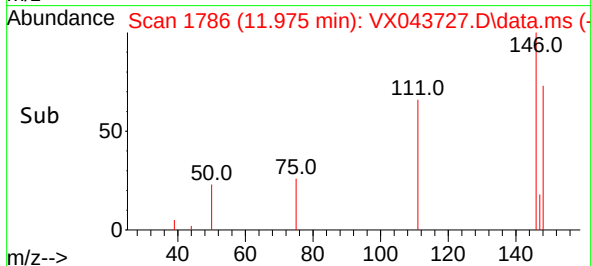
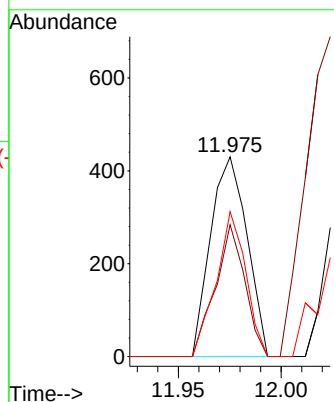


#88
 1,4-Dichlorobenzene
 Concen: 0.215 ug/l
 RT: 11.975 min Scan# 1786
 Delta R.T. -0.067 min
 Lab File: VX043727.D
 Acq: 07 Nov 2024 11:29

Instrument :
 MSVOA_X
 ClientSampleId :

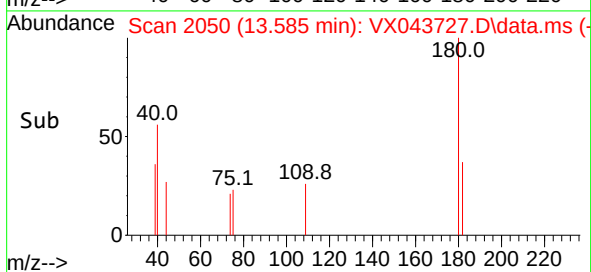
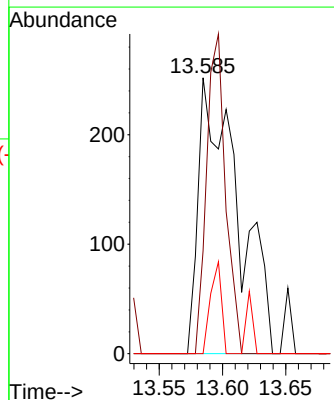
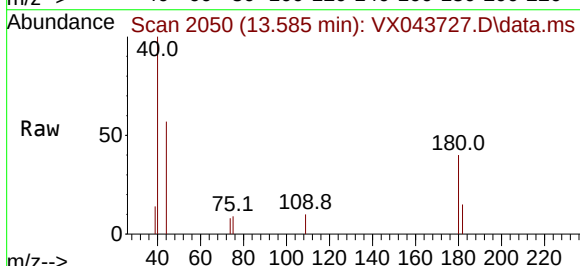


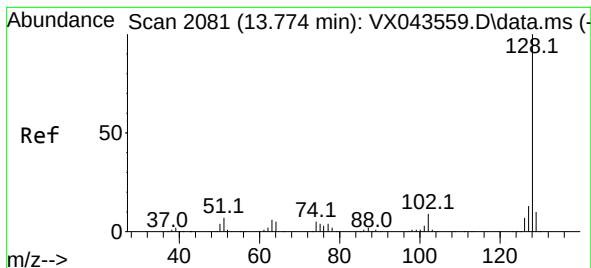
Tgt Ion:146 Resp: 530
 Ion Ratio Lower Upper
 146 100
 111 53.4 20.4 61.3
 148 59.1 31.9 95.9



#93
 1,2,4-Trichlorobenzene
 Concen: 0.370 ug/l
 RT: 13.585 min Scan# 2050
 Delta R.T. -0.000 min
 Lab File: VX043727.D
 Acq: 07 Nov 2024 11:29

Tgt Ion:180 Resp: 547
 Ion Ratio Lower Upper
 180 100
 182 55.9 46.8 140.4
 145 9.3 16.1 48.3#





#95

Naphthalene

Concen: 0.511 ug/l

RT: 13.786 min Scan# 2083

Delta R.T. 0.012 min

Lab File: VX043727.D

Acq: 07 Nov 2024 11:29

Instrument :

MSVOA_X

ClientSampleId :

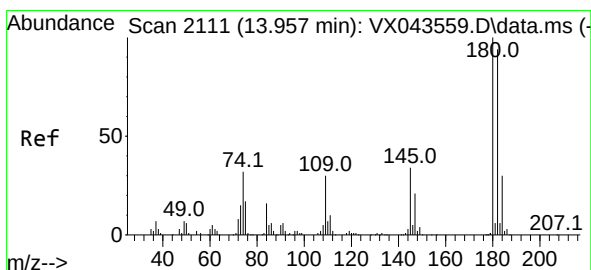
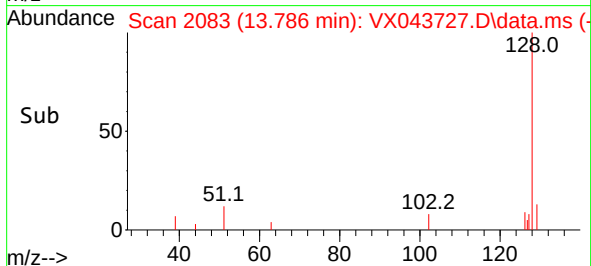
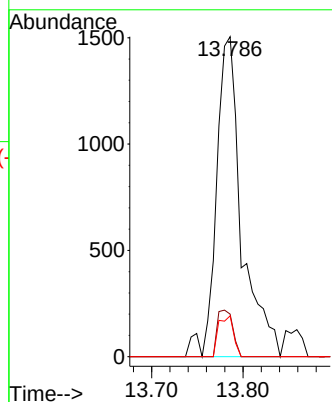
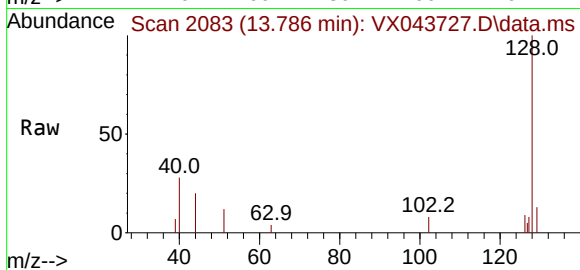
Tgt Ion:128 Resp: 2892

Ion Ratio Lower Upper

128 100

127 8.9 10.2 15.4#

129 7.5 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.323 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX043727.D

Acq: 07 Nov 2024 11:29

Tgt Ion:180 Resp: 504

Ion Ratio Lower Upper

180 100

182 87.7 47.1 141.3

145 25.6 17.4 52.3

