

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120224\
 Data File : VX044065.D
 Acq On : 02 Dec 2024 14:52
 Operator : JC/MD
 Sample : P5001-05DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 03 00:20:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

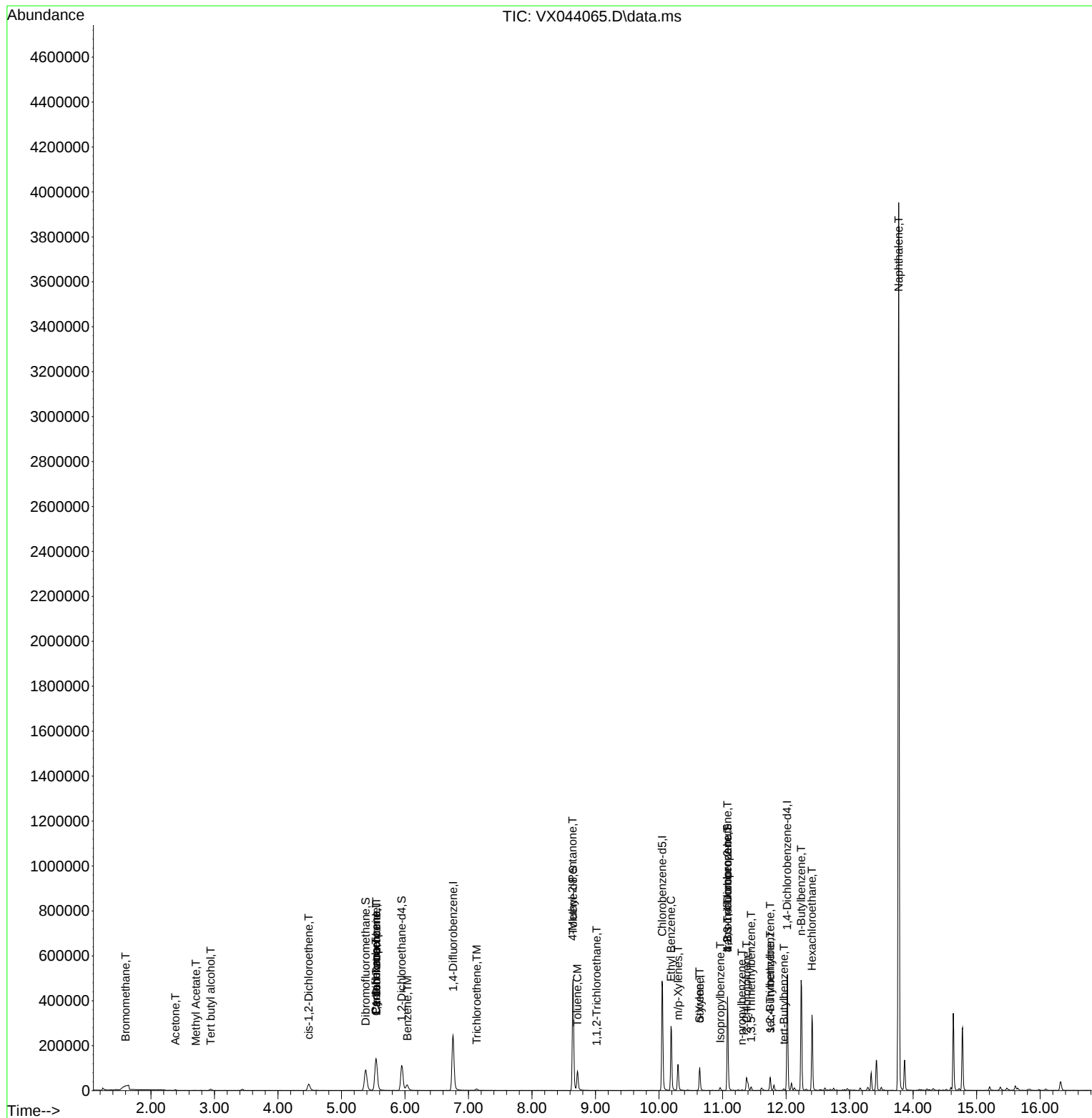
Internal Standards						
1) Pentafluorobenzene	5.544	168	122610	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	241771	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	210916	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	99346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	109043	51.852	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.700%	
35) Dibromofluoromethane	5.379	113	78946	45.698	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 91.400%	
50) Toluene-d8	8.647	98	293792	49.334	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.660%	
62) 4-Bromofluorobenzene	11.079	95	103588	51.112	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.220%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	237	0.222	ug/l #	3
11) Tert butyl alcohol	2.940	59	2843	8.423	ug/l #	73
16) Acetone	2.386	43	2696	2.791	ug/l #	85
18) Methyl Acetate	2.709	43	814	0.362	ug/l #	67
27) cis-1,2-Dichloroethene	4.483	96	17444	9.675	ug/l	91
31) Cyclohexane	5.544	56	3412	1.456	ug/l #	32
36) 1,1-Dichloropropene	5.550	75	11608	5.392	ug/l #	50
38) Carbon Tetrachloride	5.550	117	14724	6.087	ug/l #	18
40) Benzene	6.037	78	27964	4.170	ug/l	99
44) Trichloroethene	7.129	130	2205	1.162	ug/l	58
51) 4-Methyl-2-Pentanone	8.641	43	1756	0.677	ug/l #	1
52) Toluene	8.714	92	31614	7.877	ug/l	99
55) 1,1,2-Trichloroethane	9.019	97	442	0.267	ug/l #	15
67) Ethyl Benzene	10.189	91	168318	21.443	ug/l	100
68) m/p-Xylenes	10.299	106	26583	9.081	ug/l	96
69) o-Xylene	10.640	106	21201	7.418	ug/l	92
70) Styrene	10.640	104	1522	0.322	ug/l #	1
73) Isopropylbenzene	10.963	105	6656	0.872	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	58681	26.935	ug/l #	34
78) n-propylbenzene	11.305	91	2016	0.236	ug/l #	53
79) 2-Chlorotoluene	11.378	91	5656	1.049	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.451	105	7643	1.217	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	58681	73.498	ug/l #	7
83) tert-Butylbenzene	11.969	119	1640	0.263	ug/l	76
84) 1,2,4-Trimethylbenzene	11.750	105	24518	3.920	ug/l	95
85) sec-Butylbenzene	11.750	105	24518	3.213	ug/l #	57
89) n-Butylbenzene	12.237	91	35010	6.407	ug/l #	44
90) Hexachloroethane	12.408	117	12653	12.006	ug/l #	18
95) Naphthalene	13.774	128	2178441	306.560	ug/l	99

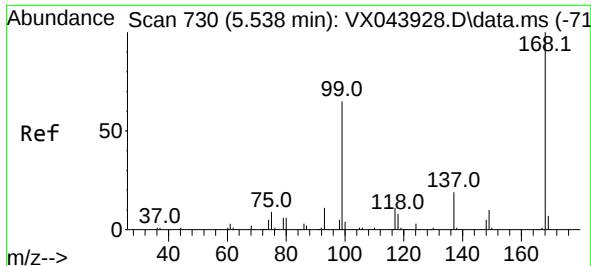
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120224\
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Sample : P5001-05DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

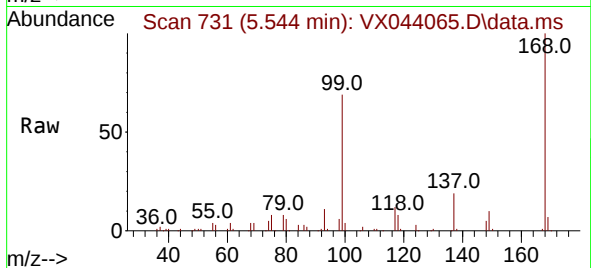
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



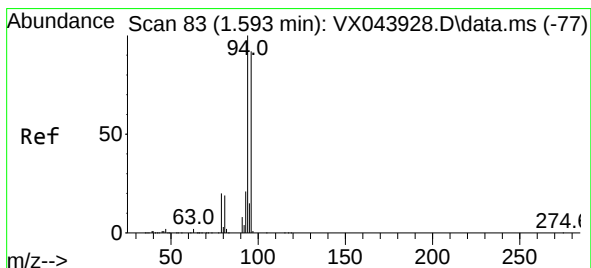
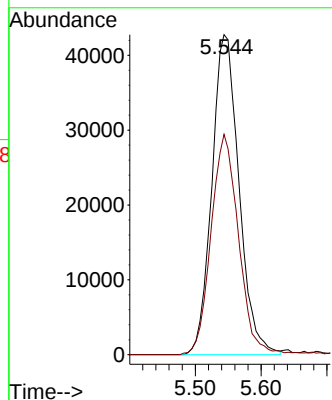
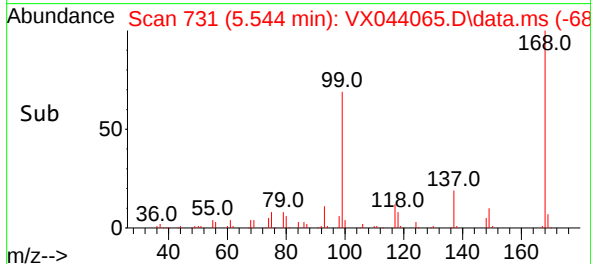


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX044065.D
Acq: 02 Dec 2024 14:52

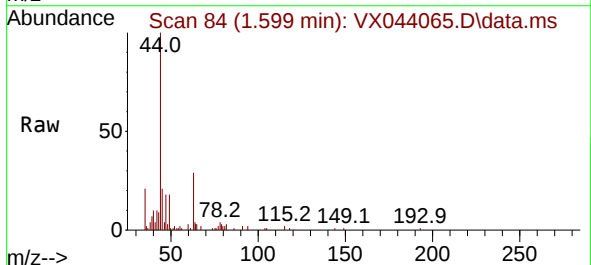
Instrument :
MSVOA_X
ClientSampleId :



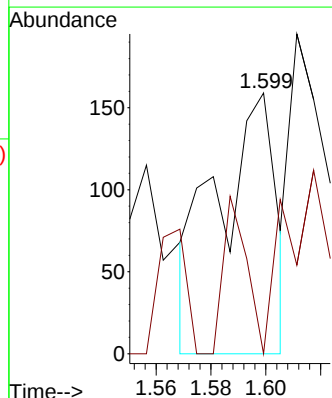
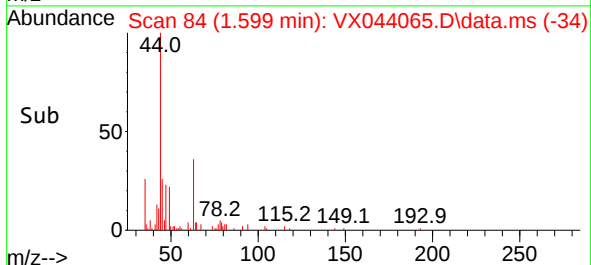
Tgt Ion:168 Resp: 122610
Ion Ratio Lower Upper
168 100
99 68.8 51.8 77.8

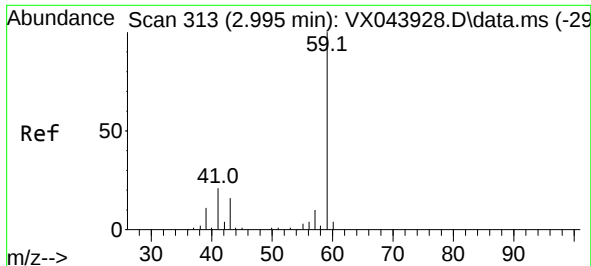


#5
Bromomethane
Concen: 0.222 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX044065.D
Acq: 02 Dec 2024 14:52



Tgt Ion: 94 Resp: 237
Ion Ratio Lower Upper
94 100
96 0.0 73.9 110.9#

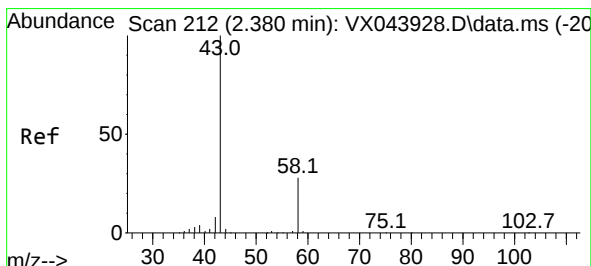
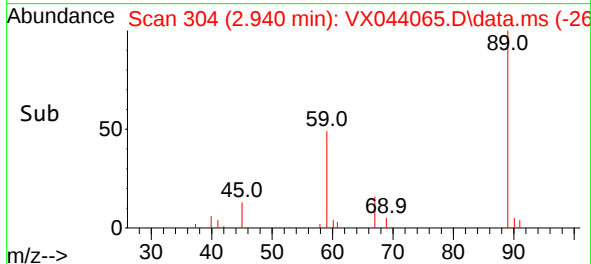
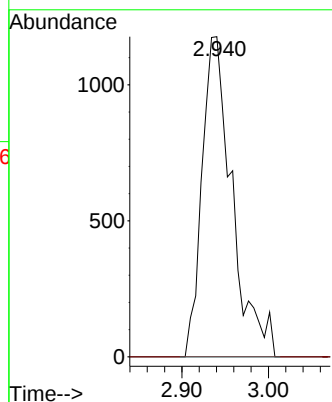
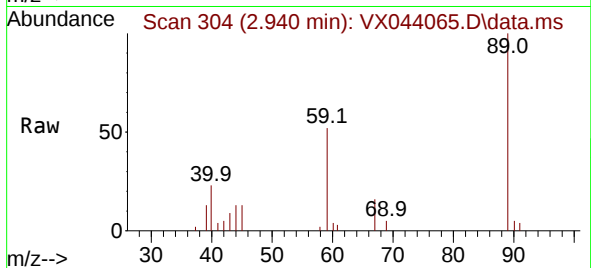




#11
Tert butyl alcohol
Concen: 8.423 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX044065.D
Acq: 02 Dec 2024 14:52

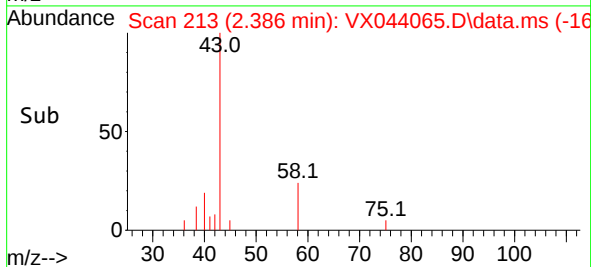
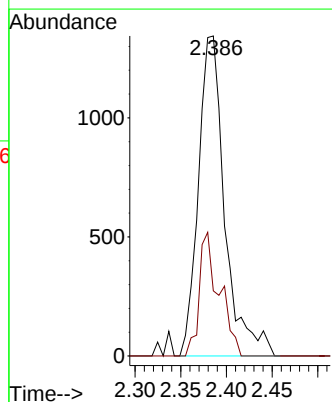
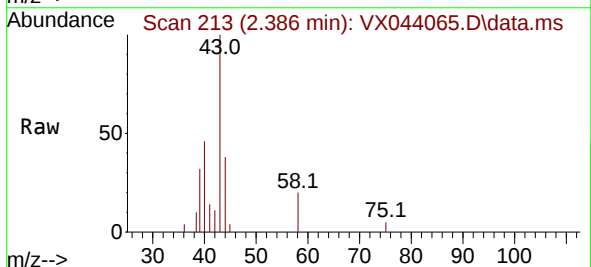
Instrument :
MSVOA_X
ClientSampleId :

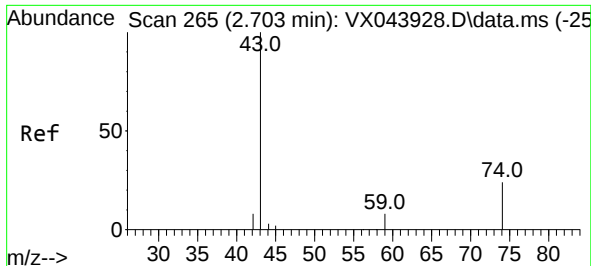
Tgt Ion: 59 Resp: 2843
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#16
Acetone
Concen: 2.791 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044065.D
Acq: 02 Dec 2024 14:52

Tgt Ion: 43 Resp: 2696
Ion Ratio Lower Upper
43 100
58 20.4 22.7 34.1#

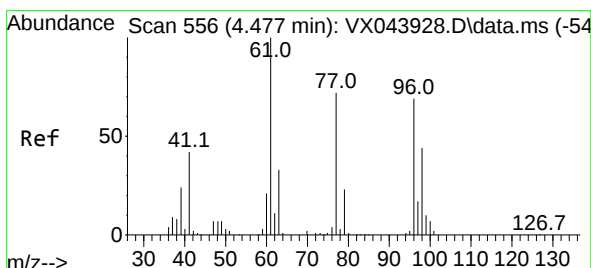
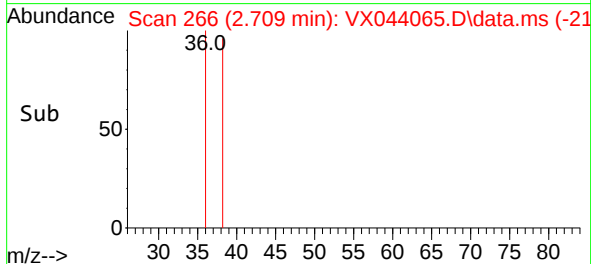
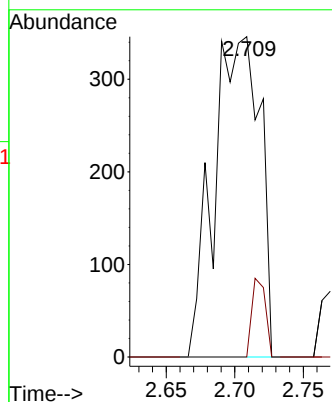
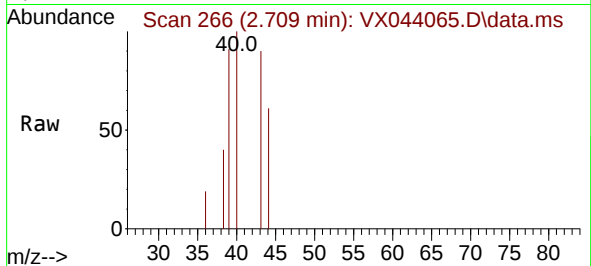




#18
Methyl Acetate
Concen: 0.362 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044065.D
Acq: 02 Dec 2024 14:52

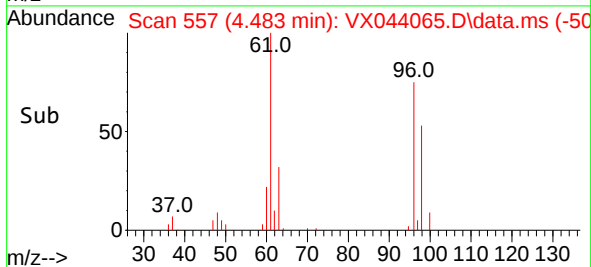
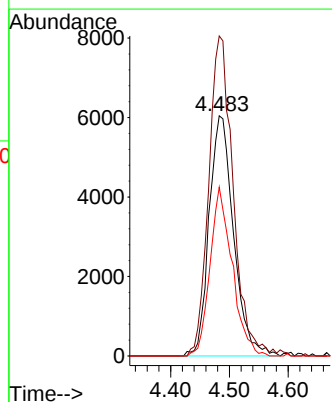
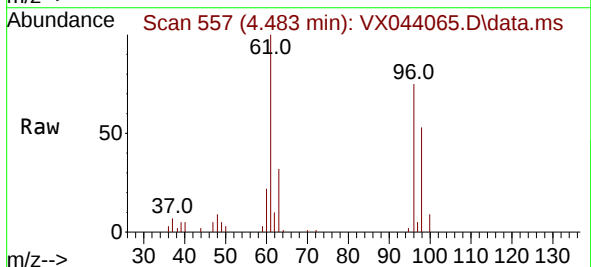
Instrument :
MSVOA_X
ClientSampleId :

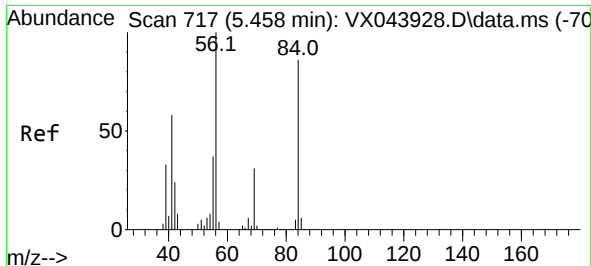
Tgt Ion: 43 Resp: 814
Ion Ratio Lower Upper
43 100
74 7.2 18.9 28.3#



#27
cis-1,2-Dichloroethene
Concen: 9.675 ug/l
RT: 4.483 min Scan# 557
Delta R.T. 0.006 min
Lab File: VX044065.D
Acq: 02 Dec 2024 14:52

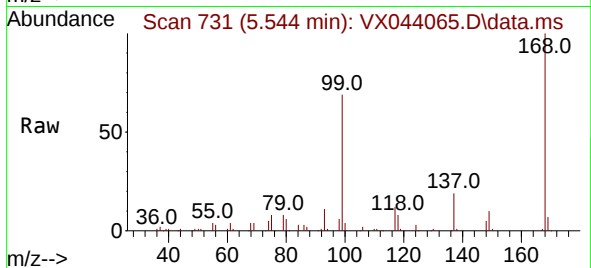
Tgt Ion: 96 Resp: 17444
Ion Ratio Lower Upper
96 100
61 133.4 0.0 297.4
98 63.6 0.0 127.8



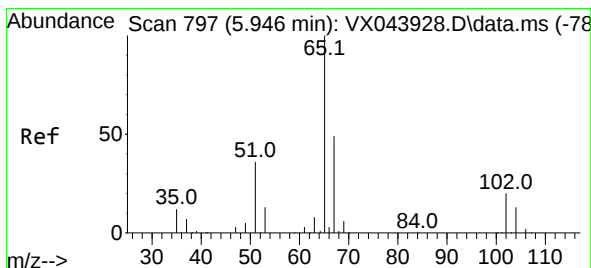
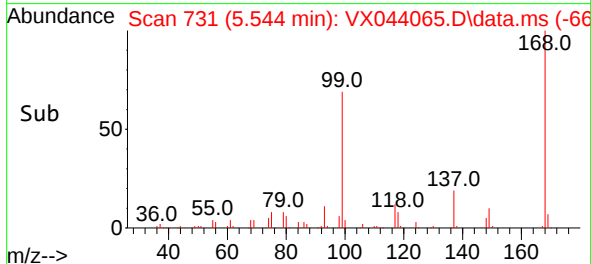
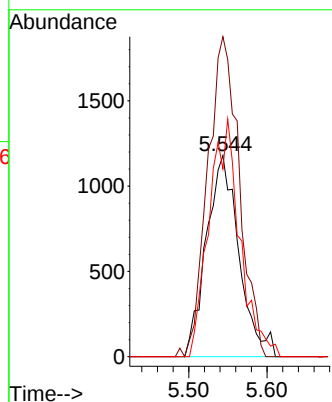


#31
Cyclohexane
Concen: 1.456 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX044065.D
Acq: 02 Dec 2024 14:52

Instrument :
MSVOA_X
ClientSampleId :

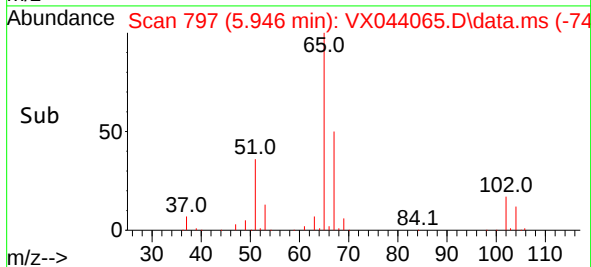
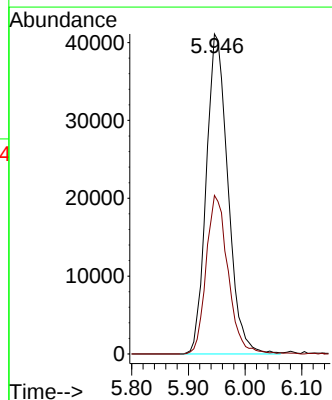
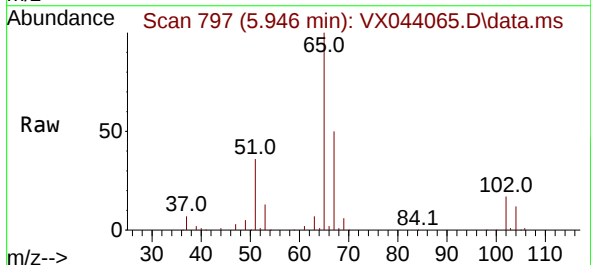


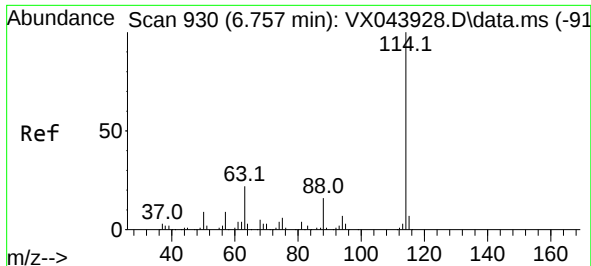
Tgt Ion: 56 Resp: 3412
Ion Ratio Lower Upper
56 100
69 159.1 24.7 37.1#
84 93.4 68.7 103.1



#33
1,2-Dichloroethane-d4
Concen: 51.852 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.000 min
Lab File: VX044065.D
Acq: 02 Dec 2024 14:52

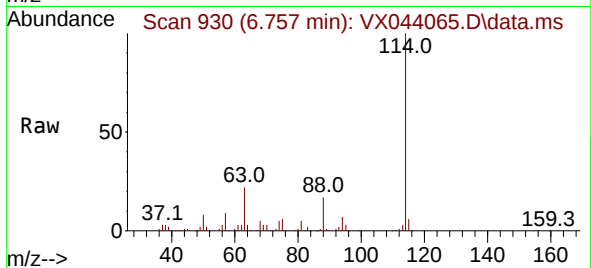
Tgt Ion: 65 Resp: 109043
Ion Ratio Lower Upper
65 100
67 50.1 0.0 100.8



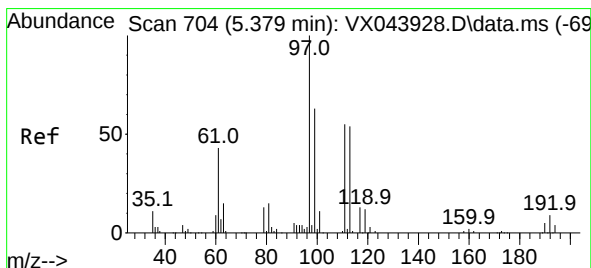
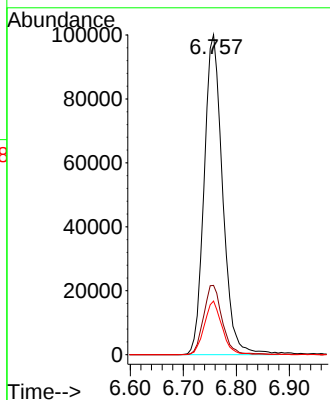
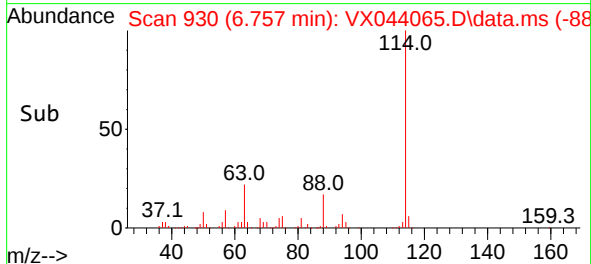


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX044065.D
Acq: 02 Dec 2024 14:52

Instrument :
MSVOA_X
ClientSampleId :

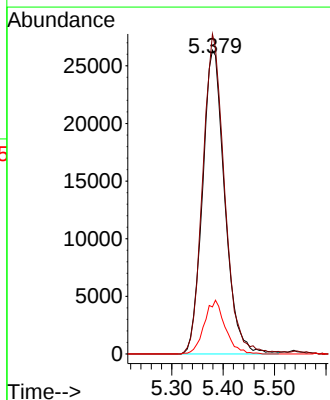
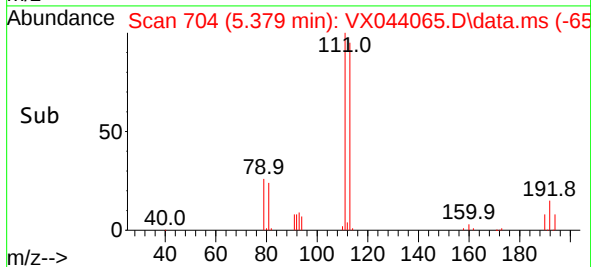
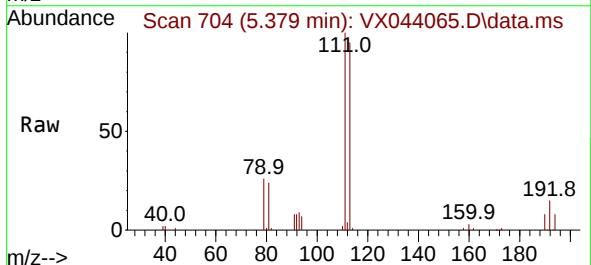


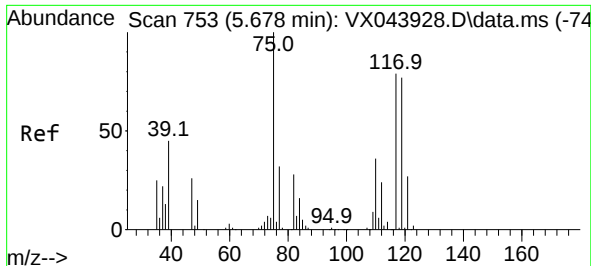
Tgt Ion:114 Resp: 241771
Ion Ratio Lower Upper
114 100
63 21.6 0.0 44.0
88 16.8 0.0 32.4



#35
Dibromofluoromethane
Concen: 45.698 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044065.D
Acq: 02 Dec 2024 14:52

Tgt Ion:113 Resp: 78946
Ion Ratio Lower Upper
113 100
111 103.7 81.0 121.4
192 16.7 13.0 19.6

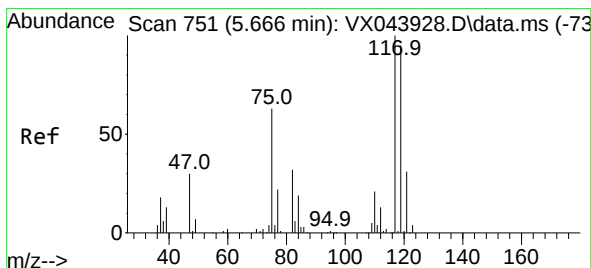
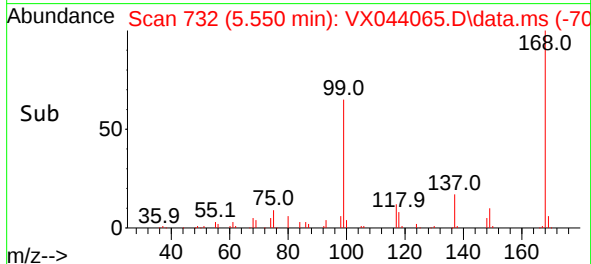
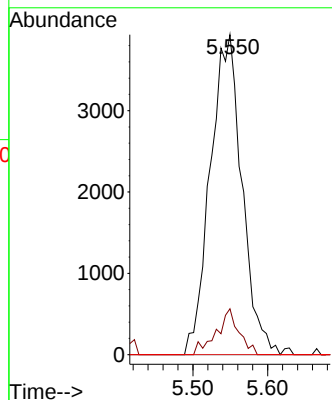
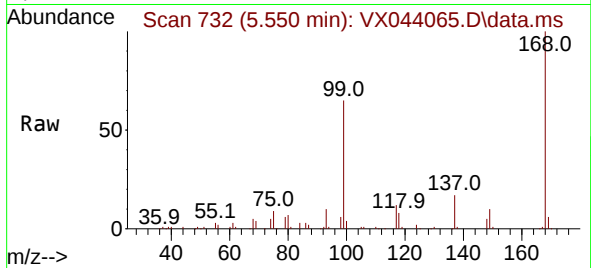




#36
1,1-Dichloropropene
Concen: 5.392 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.128 min
Lab File: VX044065.D
Acq: 02 Dec 2024 14:52

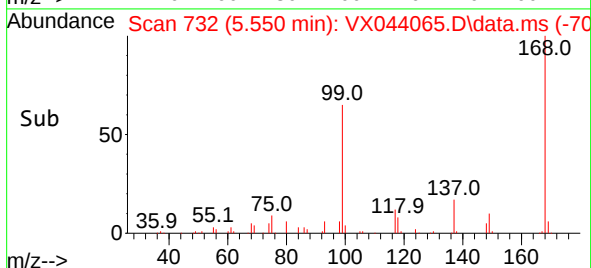
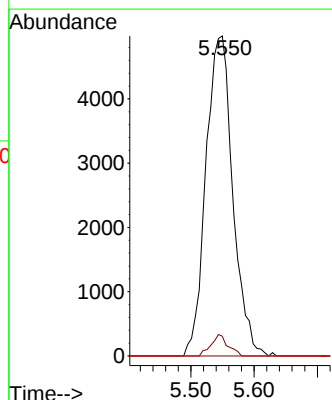
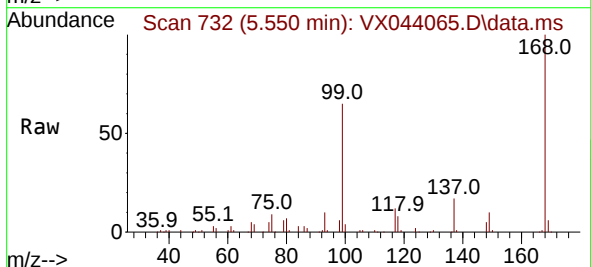
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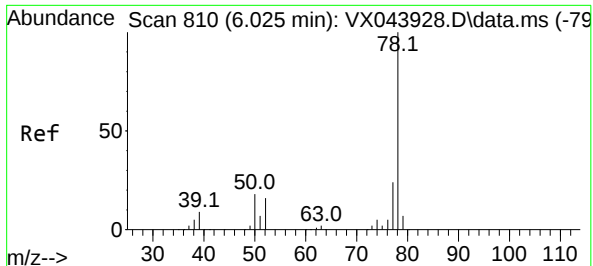
Tgt Ion: 75 Resp: 11608
Ion Ratio Lower Upper
75 100
110 10.1 17.4 52.2#
77 0.0 25.8 38.8#



#38
Carbon Tetrachloride
Concen: 6.087 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.116 min
Lab File: VX044065.D
Acq: 02 Dec 2024 14:52

Tgt Ion: 117 Resp: 14724
Ion Ratio Lower Upper
117 100
119 6.2 75.2 112.8#
121 0.0 24.5 36.7#

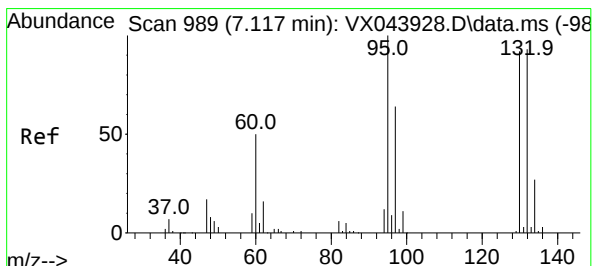
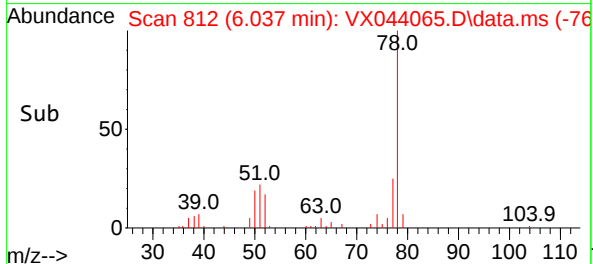
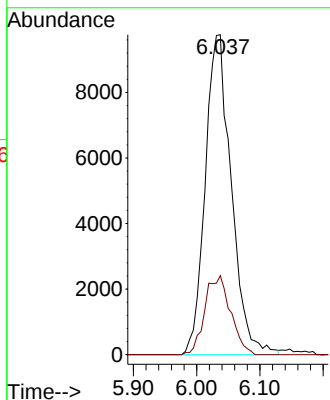
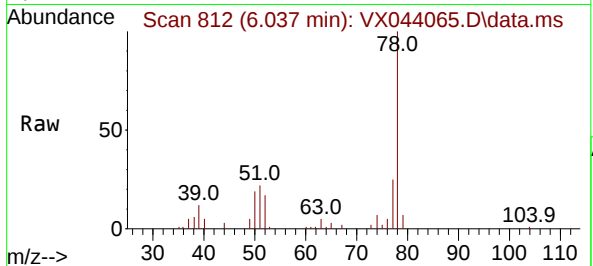




#40
Benzene
Concen: 4.170 ug/l
RT: 6.037 min Scan# 810
Delta R.T. 0.012 min
Lab File: VX044065.D
Acq: 02 Dec 2024 14:52

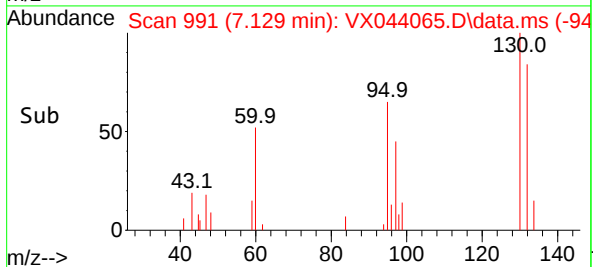
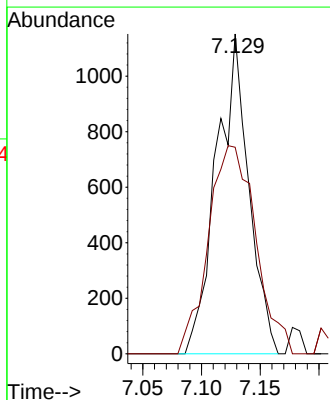
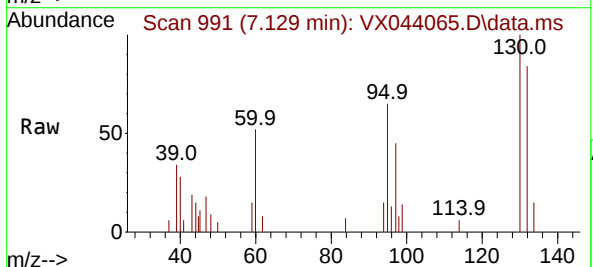
Instrument :
MSVOA_X
ClientSampleId :

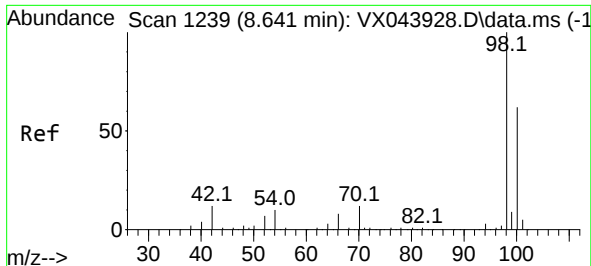
Tgt Ion: 78 Resp: 27964
Ion Ratio Lower Upper
78 100
77 24.7 19.2 28.8



#44
Trichloroethene
Concen: 1.162 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.012 min
Lab File: VX044065.D
Acq: 02 Dec 2024 14:52

Tgt Ion:130 Resp: 2205
Ion Ratio Lower Upper
130 100
95 64.6 0.0 217.8

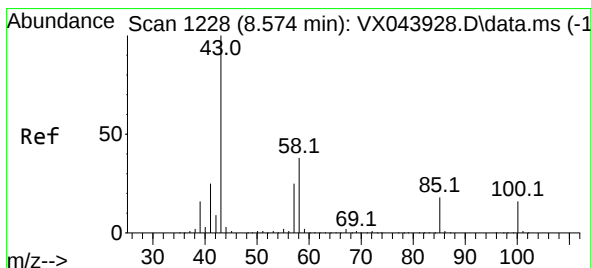
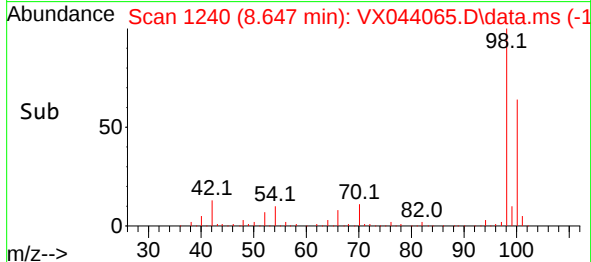
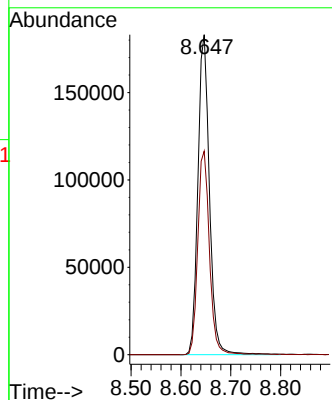
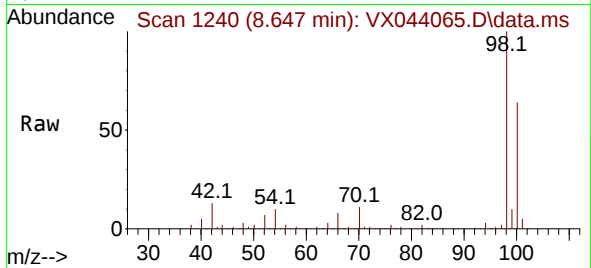




#50
Toluene-d8
Concen: 49.334 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044065.D
Acq: 02 Dec 2024 14:52

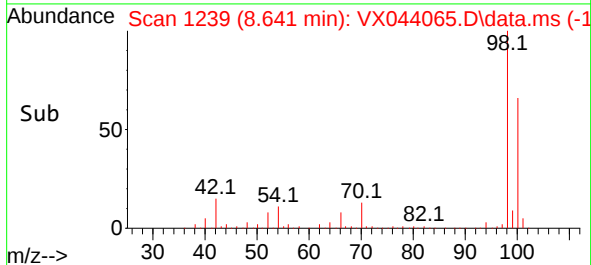
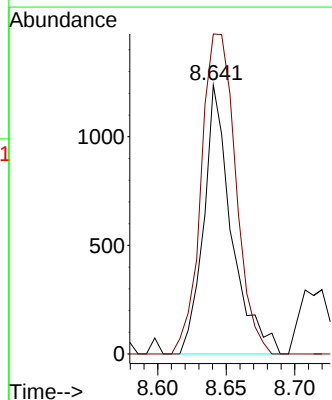
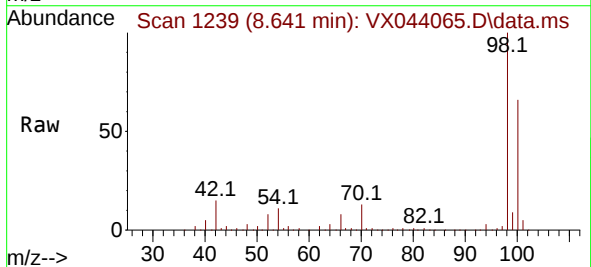
Instrument :
MSVOA_X
ClientSampleId :

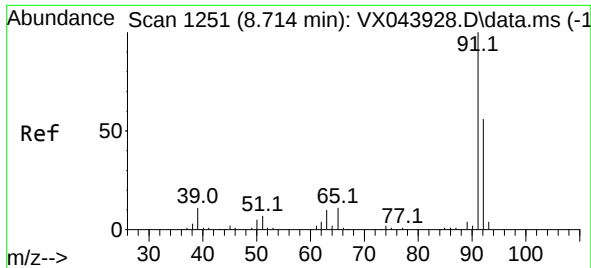
Tgt Ion: 98 Resp: 293792
Ion Ratio Lower Upper
98 100
100 64.1 52.6 79.0



#51
4-Methyl-2-Pentanone
Concen: 0.677 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX044065.D
Acq: 02 Dec 2024 14:52

Tgt Ion: 43 Resp: 1756
Ion Ratio Lower Upper
43 100
58 147.5 30.0 45.0#





#52

Toluene

Concen: 7.877 ug/l

RT: 8.714 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX044065.D

Acq: 02 Dec 2024 14:52

Instrument :

MSVOA_X

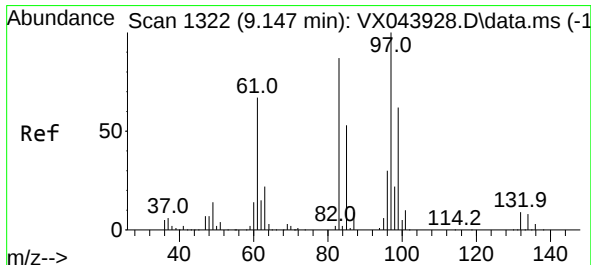
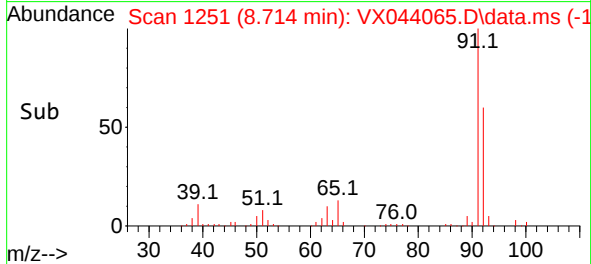
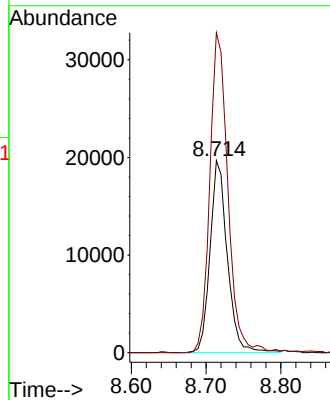
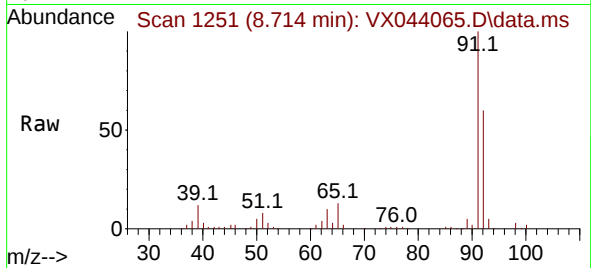
ClientSampleId :

Tgt Ion: 92 Resp: 31614

Ion Ratio Lower Upper

92 100

91 173.5 139.7 209.5



#55

1,1,2-Trichloroethane

Concen: 0.267 ug/l

RT: 9.019 min Scan# 1301

Delta R.T. -0.128 min

Lab File: VX044065.D

Acq: 02 Dec 2024 14:52

Tgt Ion: 97 Resp: 442

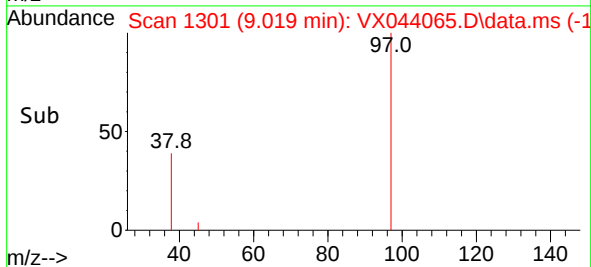
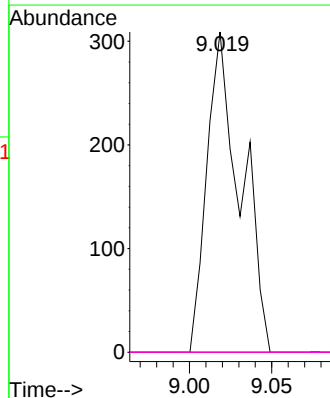
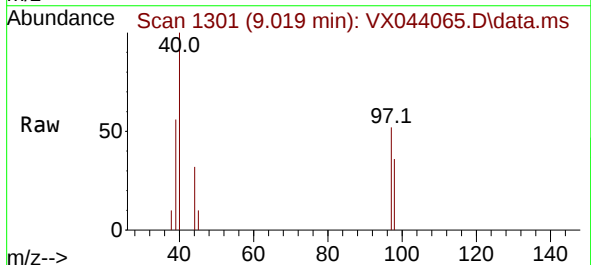
Ion Ratio Lower Upper

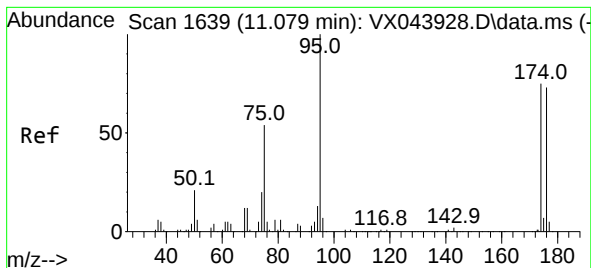
97 100

83 0.0 69.4 104.0#

85 0.0 42.3 63.5#

99 0.0 49.6 74.4#

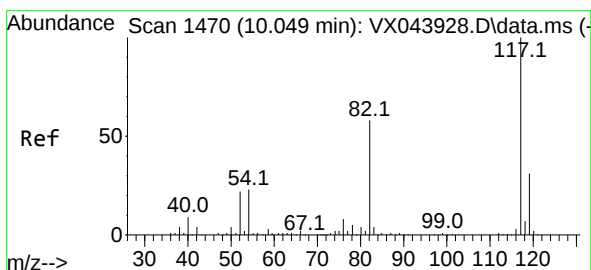
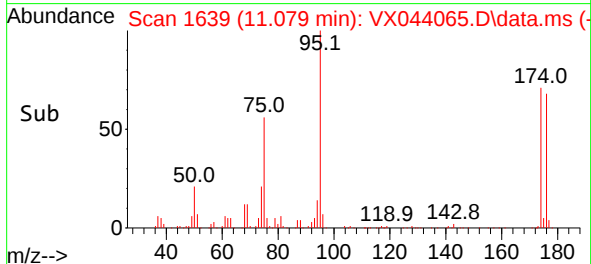
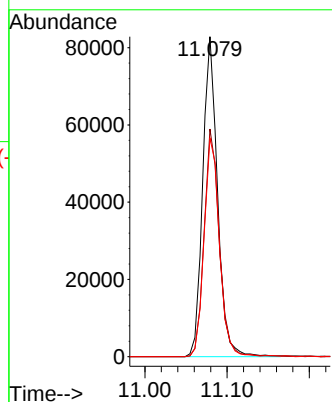
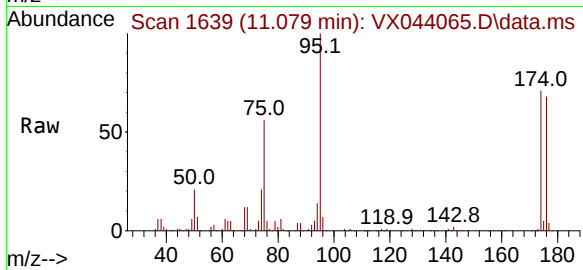




#62
4-Bromofluorobenzene
Concen: 51.112 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044065.D
Acq: 02 Dec 2024 14:52

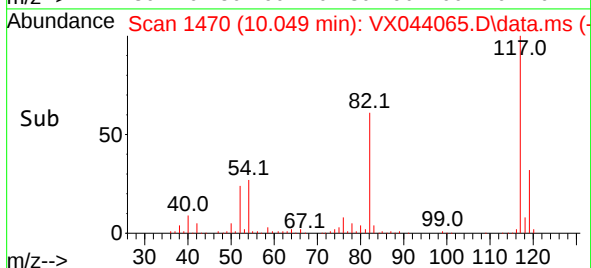
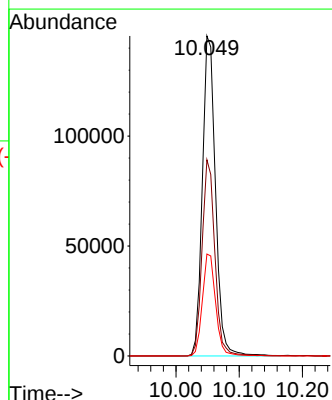
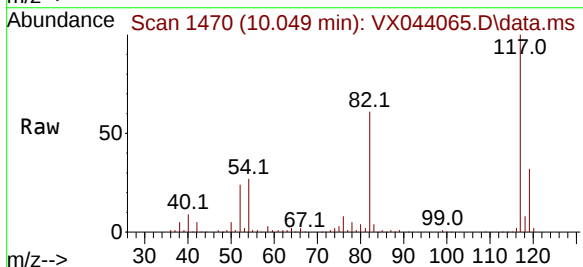
Instrument :
MSVOA_X
ClientSampleId :

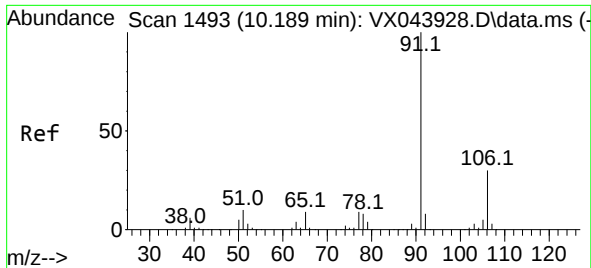
Tgt Ion: 95 Resp: 103588
Ion Ratio Lower Upper
95 100
174 72.9 0.0 150.4
176 70.8 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044065.D
Acq: 02 Dec 2024 14:52

Tgt Ion: 117 Resp: 210916
Ion Ratio Lower Upper
117 100
82 61.3 46.4 69.6
119 31.8 24.6 37.0

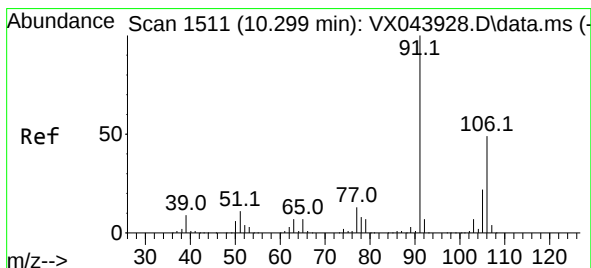
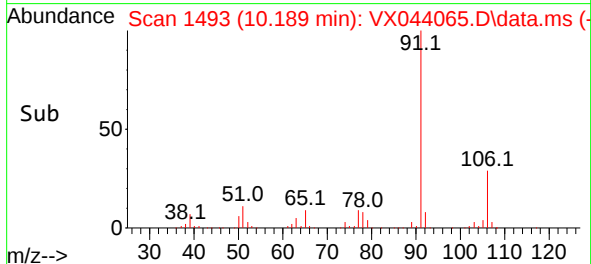
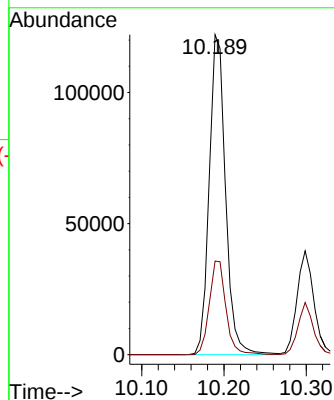
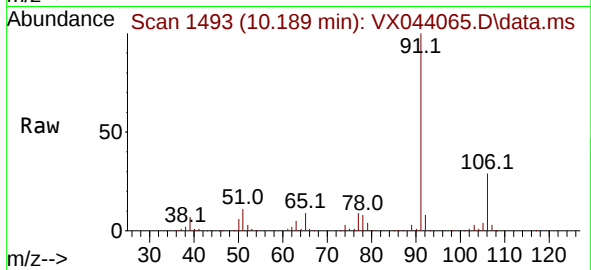




#67
Ethyl Benzene
Concen: 21.443 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX044065.D
Acq: 02 Dec 2024 14:52

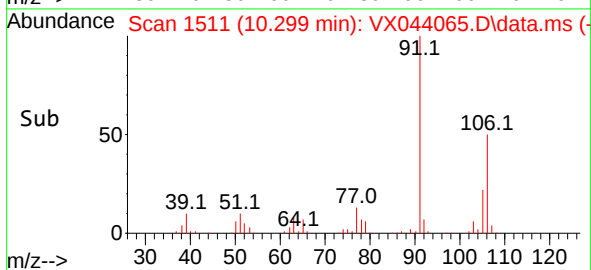
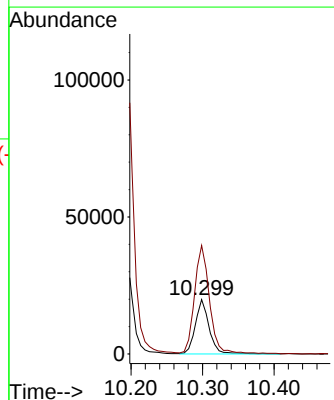
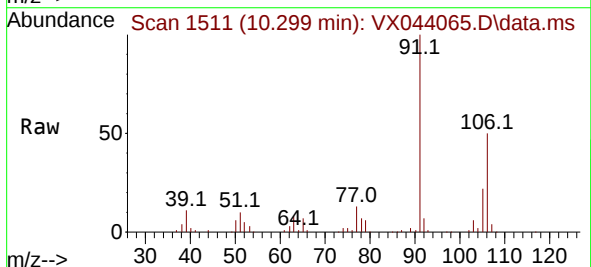
Instrument :
MSVOA_X
ClientSampleId :

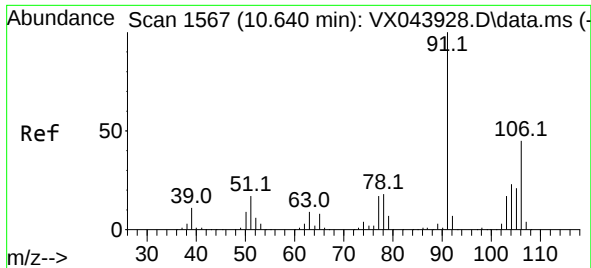
Tgt Ion: 91 Resp: 168318
Ion Ratio Lower Upper
91 100
106 29.2 23.6 35.4



#68
m/p-Xylenes
Concen: 9.081 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044065.D
Acq: 02 Dec 2024 14:52

Tgt Ion: 106 Resp: 26583
Ion Ratio Lower Upper
106 100
91 216.7 168.1 252.1

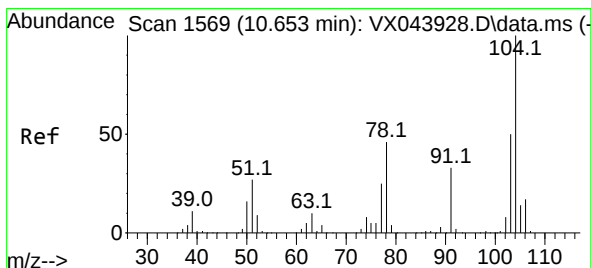
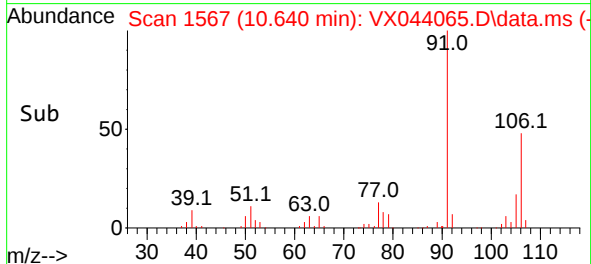
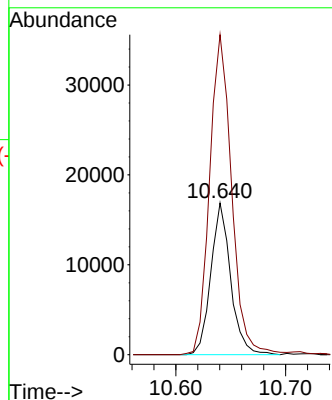
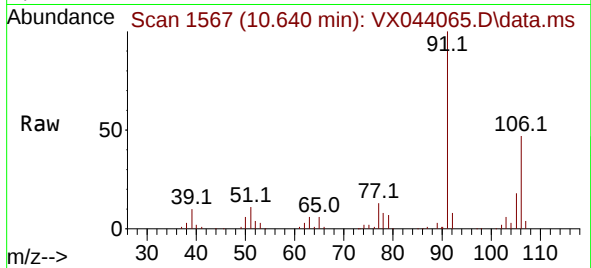




#69
o-Xylene
Concen: 7.418 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX044065.D
Acq: 02 Dec 2024 14:52

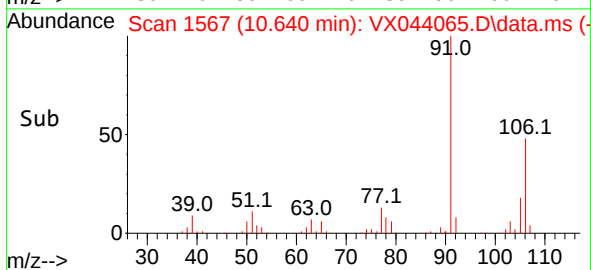
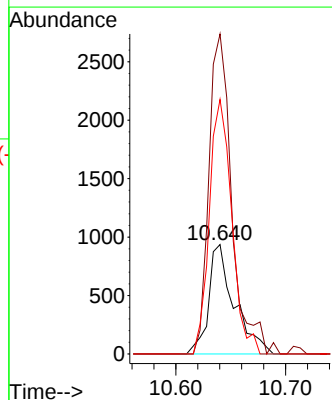
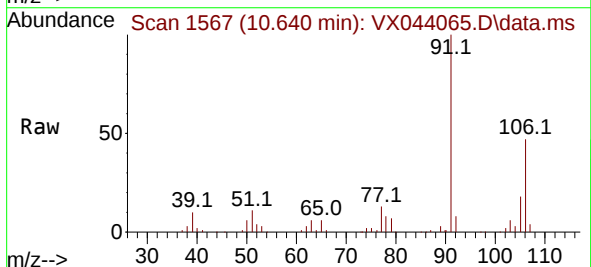
Instrument :
MSVOA_X
ClientSampleId :

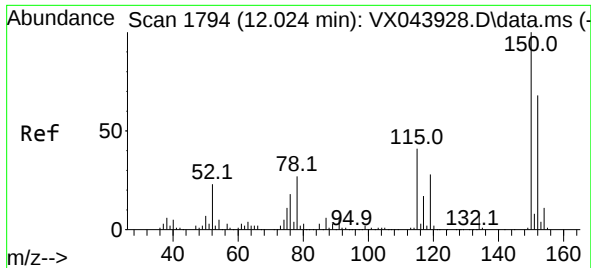
Tgt Ion:106 Resp: 21201
Ion Ratio Lower Upper
106 100
91 234.1 110.2 330.6



#70
Styrene
Concen: 0.322 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.012 min
Lab File: VX044065.D
Acq: 02 Dec 2024 14:52

Tgt Ion:104 Resp: 1522
Ion Ratio Lower Upper
104 100
78 262.1 42.2 63.2#
103 204.1 44.7 67.1#

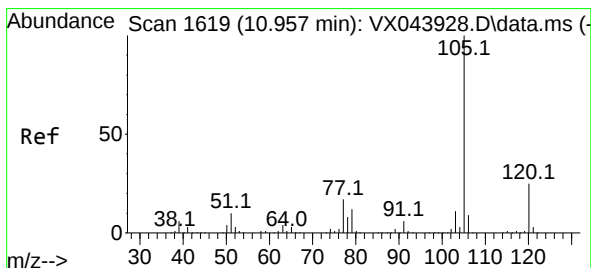
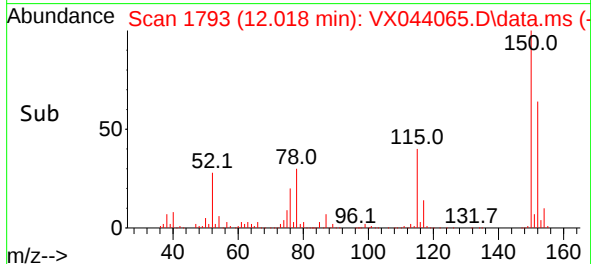
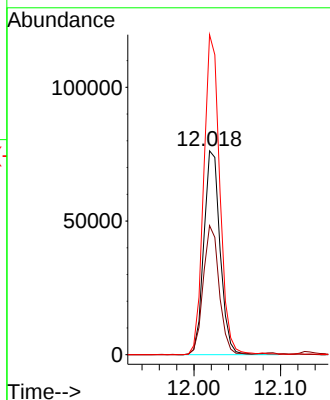
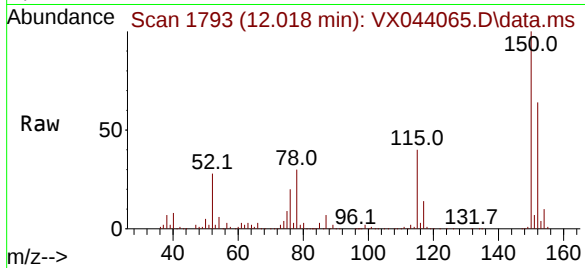




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX044065.D
 Acq: 02 Dec 2024 14:52

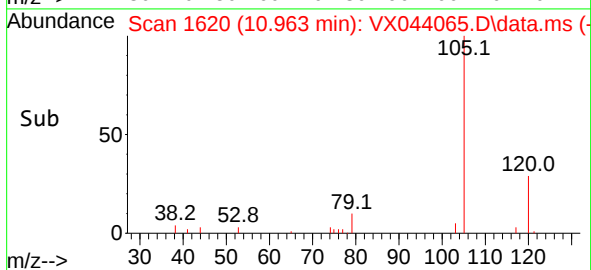
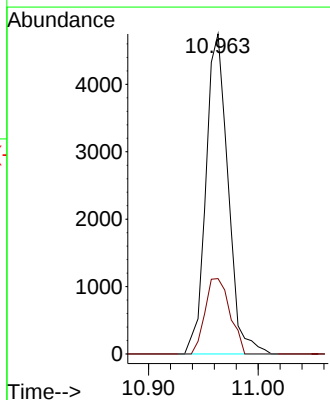
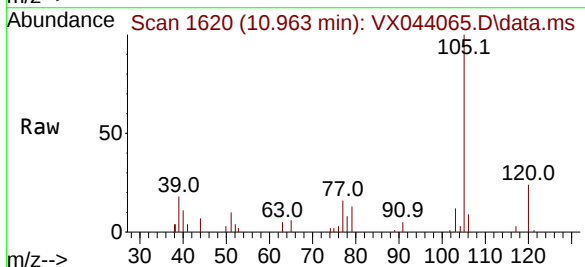
Instrument :
 MSVOA_X
 ClientSampleId :

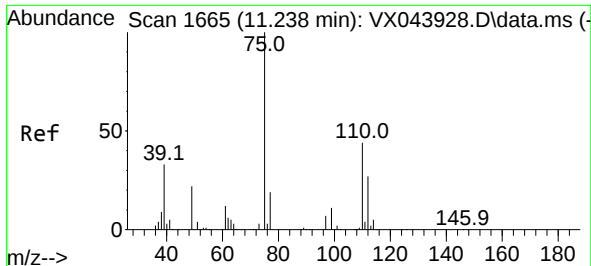
Tgt Ion:152 Resp: 99346
 Ion Ratio Lower Upper
 152 100
 115 62.1 45.4 136.2
 150 155.5 0.0 353.0



#73
 Isopropylbenzene
 Concen: 0.872 ug/l
 RT: 10.963 min Scan# 1620
 Delta R.T. 0.006 min
 Lab File: VX044065.D
 Acq: 02 Dec 2024 14:52

Tgt Ion:105 Resp: 6656
 Ion Ratio Lower Upper
 105 100
 120 26.5 13.0 38.9

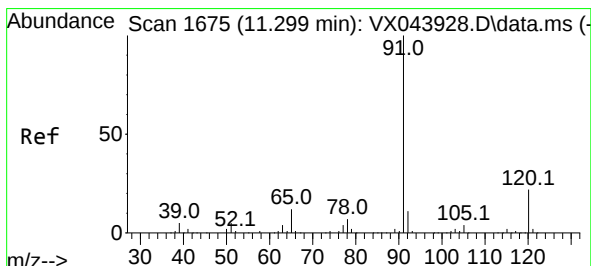
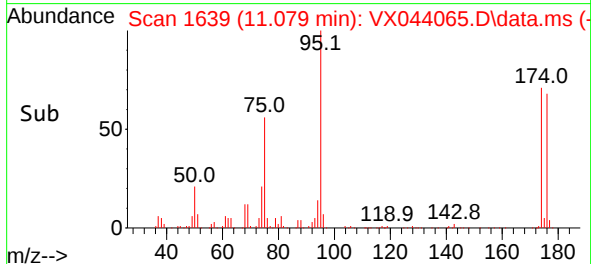
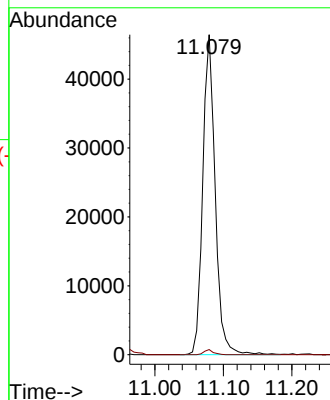
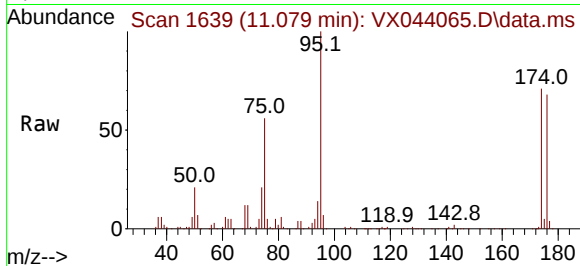




#76
1,2,3-Trichloropropane
Concen: 26.935 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044065.D
Acq: 02 Dec 2024 14:52

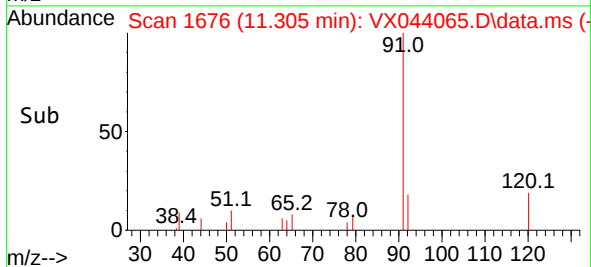
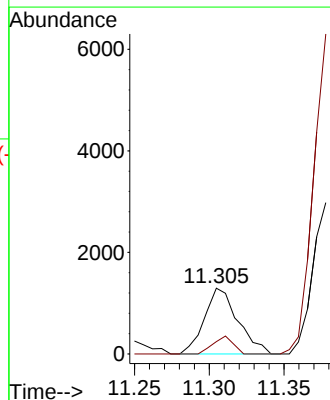
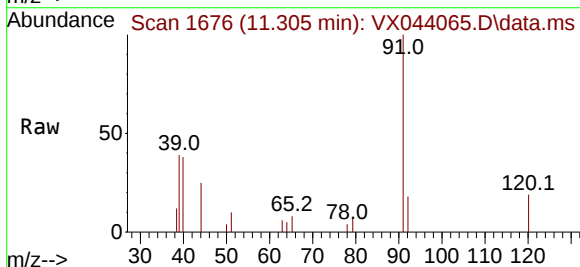
Instrument :
MSVOA_X
ClientSampleId :

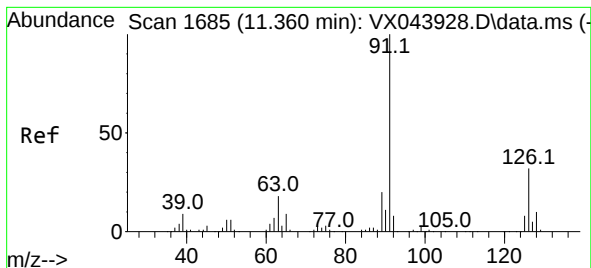
Tgt Ion: 75 Resp: 58681
Ion Ratio Lower Upper
75 100
77 1.2 21.8 65.3#



#78
n-propylbenzene
Concen: 0.236 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044065.D
Acq: 02 Dec 2024 14:52

Tgt Ion: 91 Resp: 2016
Ion Ratio Lower Upper
91 100
120 0.0 11.5 34.4#





#79

2-Chlorotoluene

Concen: 1.049 ug/l

RT: 11.378 min Scan# 1

Delta R.T. 0.018 min

Lab File: VX044065.D

Acq: 02 Dec 2024 14:52

Instrument :

MSVOA_X

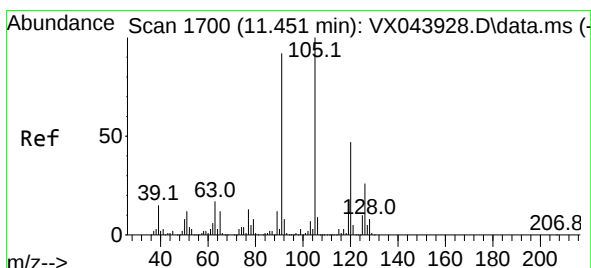
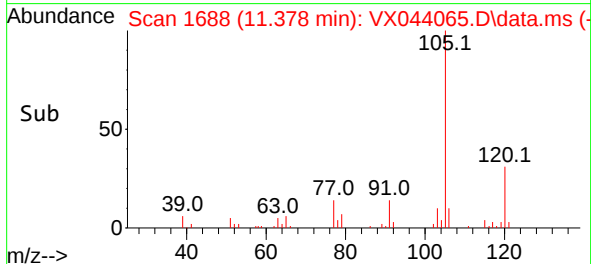
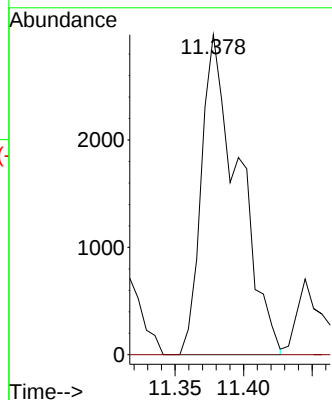
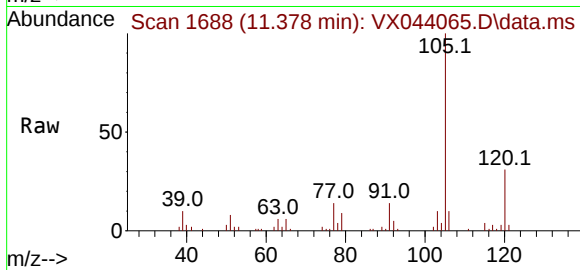
ClientSampleId :

Tgt Ion: 91 Resp: 5656

Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.8#



#80

1,3,5-Trimethylbenzene

Concen: 1.217 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044065.D

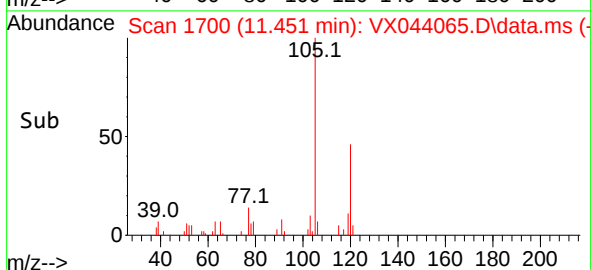
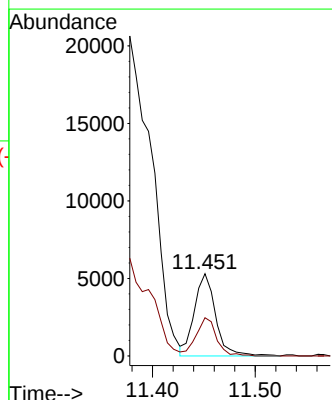
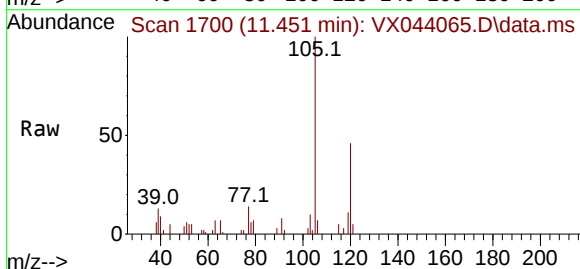
Acq: 02 Dec 2024 14:52

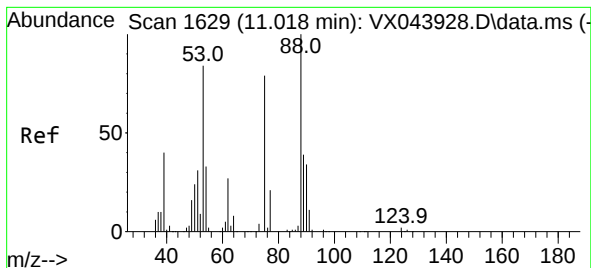
Tgt Ion: 105 Resp: 7643

Ion Ratio Lower Upper

105 100

120 44.4 23.3 69.8

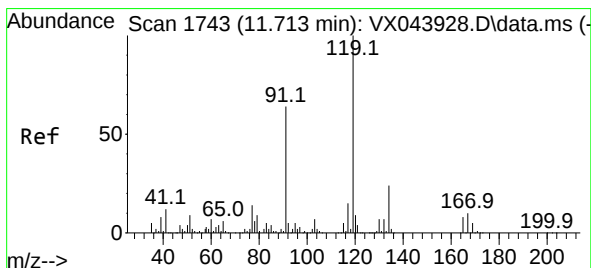
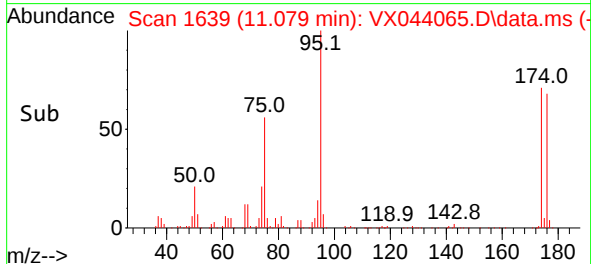
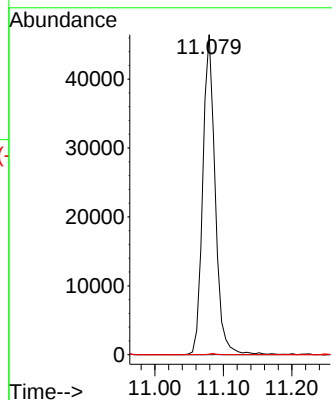
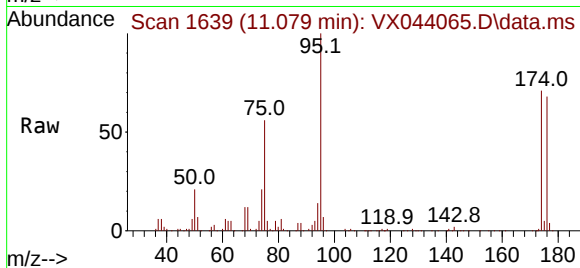




#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.498 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX044065.D
 Acq: 02 Dec 2024 14:52

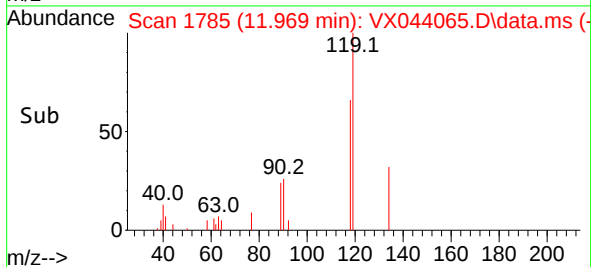
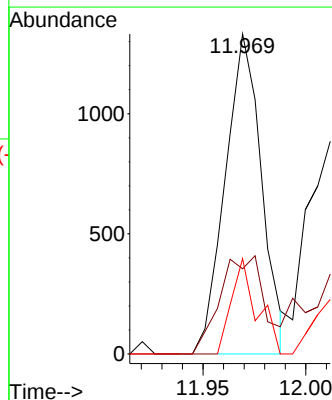
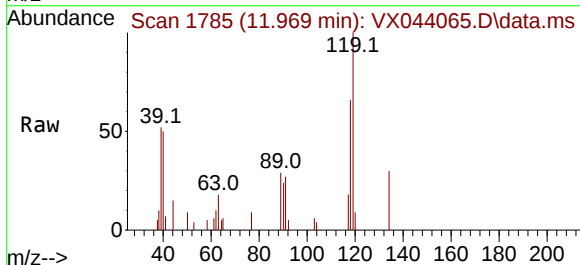
Instrument :
 MSVOA_X
 ClientSampleId :

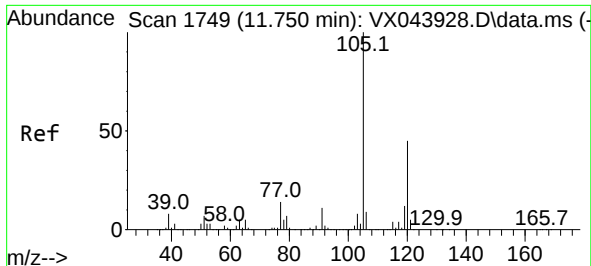
Tgt Ion: 75 Resp: 58681
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.7 130.1#
 89 0.2 38.2 57.2#



#83
 tert-Butylbenzene
 Concen: 0.263 ug/l
 RT: 11.969 min Scan# 1785
 Delta R.T. 0.256 min
 Lab File: VX044065.D
 Acq: 02 Dec 2024 14:52

Tgt Ion: 119 Resp: 1640
 Ion Ratio Lower Upper
 119 100
 91 37.6 31.0 93.0
 134 21.0 11.6 34.8

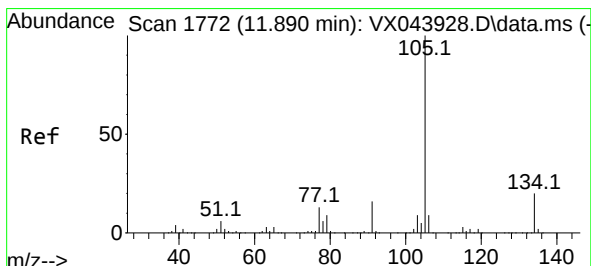
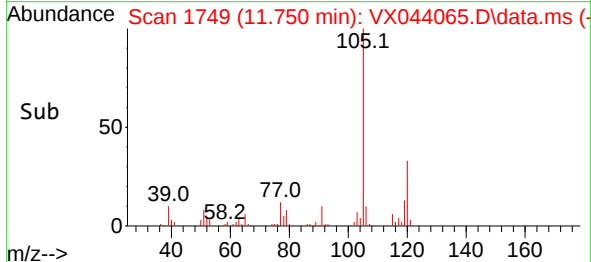
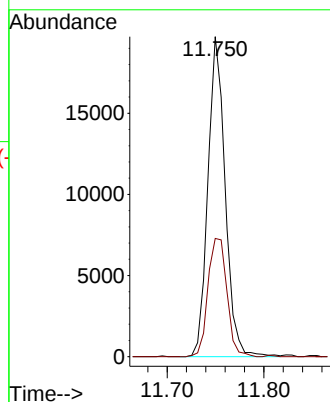
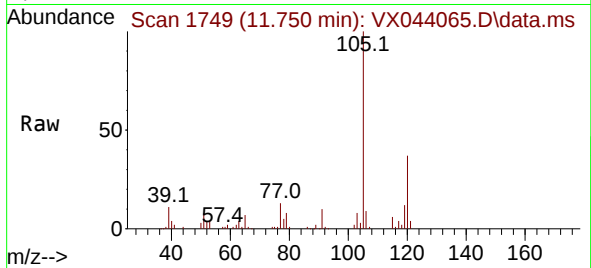




#84
1,2,4-Trimethylbenzene
Concen: 3.920 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044065.D
Acq: 02 Dec 2024 14:52

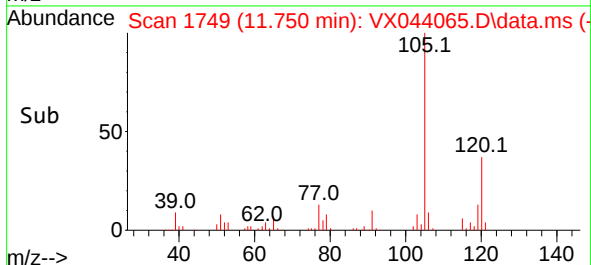
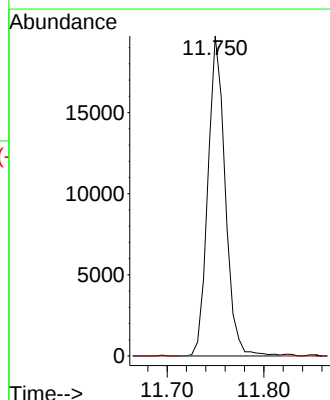
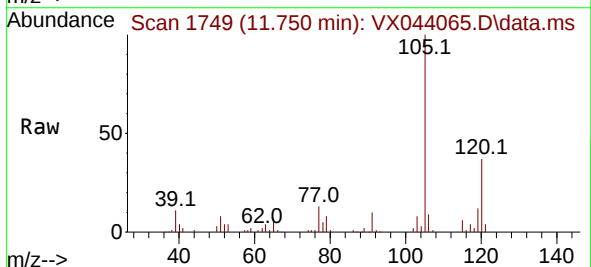
Instrument :
MSVOA_X
ClientSampleId :

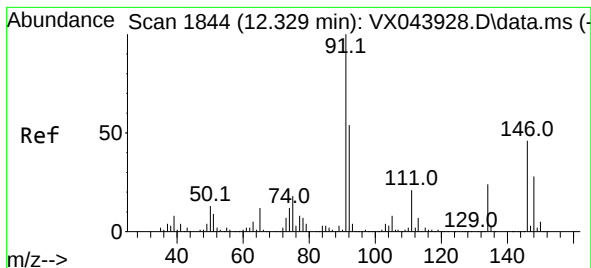
Tgt Ion:105 Resp: 24518
Ion Ratio Lower Upper
105 100
120 40.5 21.9 65.7



#85
sec-Butylbenzene
Concen: 3.213 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.140 min
Lab File: VX044065.D
Acq: 02 Dec 2024 14:52

Tgt Ion:105 Resp: 24518
Ion Ratio Lower Upper
105 100
134 0.0 9.7 29.1#





#89

n-Butylbenzene

Concen: 6.407 ug/l

RT: 12.237 min Scan# 1829

Delta R.T. -0.092 min

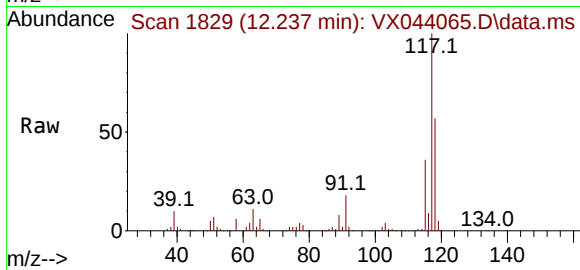
Lab File: VX044065.D

Acq: 02 Dec 2024 14:52

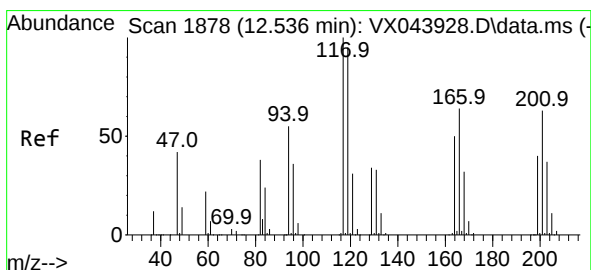
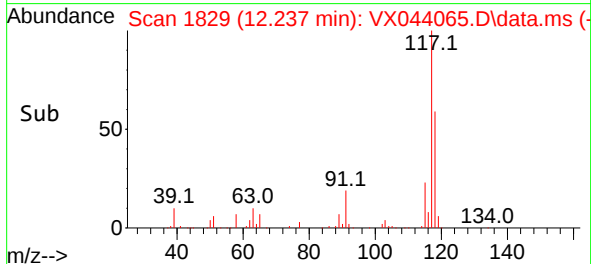
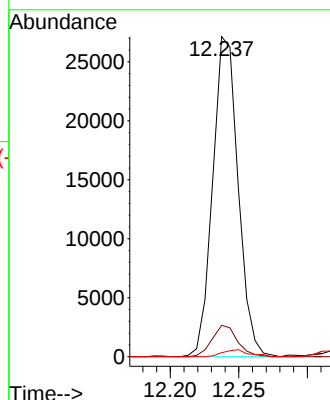
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 91	Resp: 35010
Ion Ratio	Lower Upper
91	100
92	9.7 26.6 79.8#
134	2.2 12.4 37.2#



#90

Hexachloroethane

Concen: 12.006 ug/l

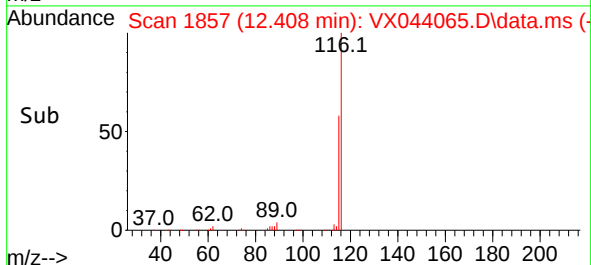
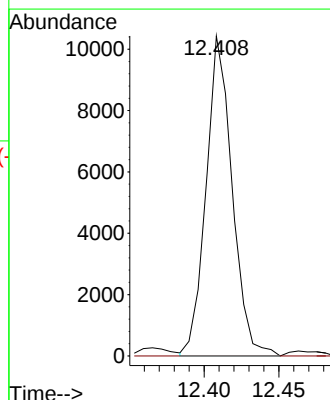
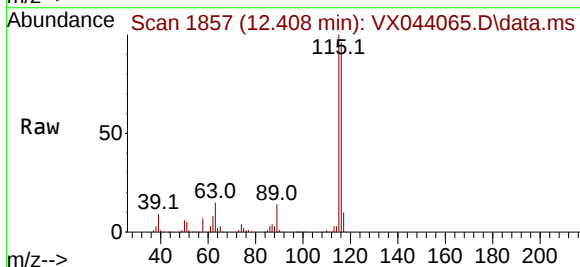
RT: 12.408 min Scan# 1857

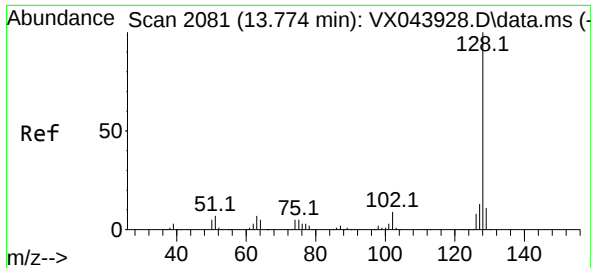
Delta R.T. -0.128 min

Lab File: VX044065.D

Acq: 02 Dec 2024 14:52

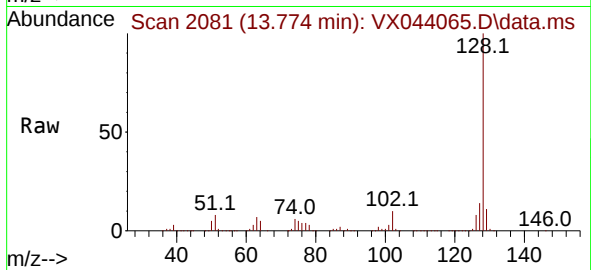
Tgt Ion: 117	Resp: 12653
Ion Ratio	Lower Upper
117	100
201	0.0 32.4 97.0#





#95
Naphthalene
Concen: 306.560 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX044065.D
Acq: 02 Dec 2024 14:52

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 2178441
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.2
129 11.1 8.6 12.8

