

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120424\
 Data File : VX044119.D
 Acq On : 04 Dec 2024 16:06
 Operator : JC/MD
 Sample : P5006-11DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 05 00:29:27 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)

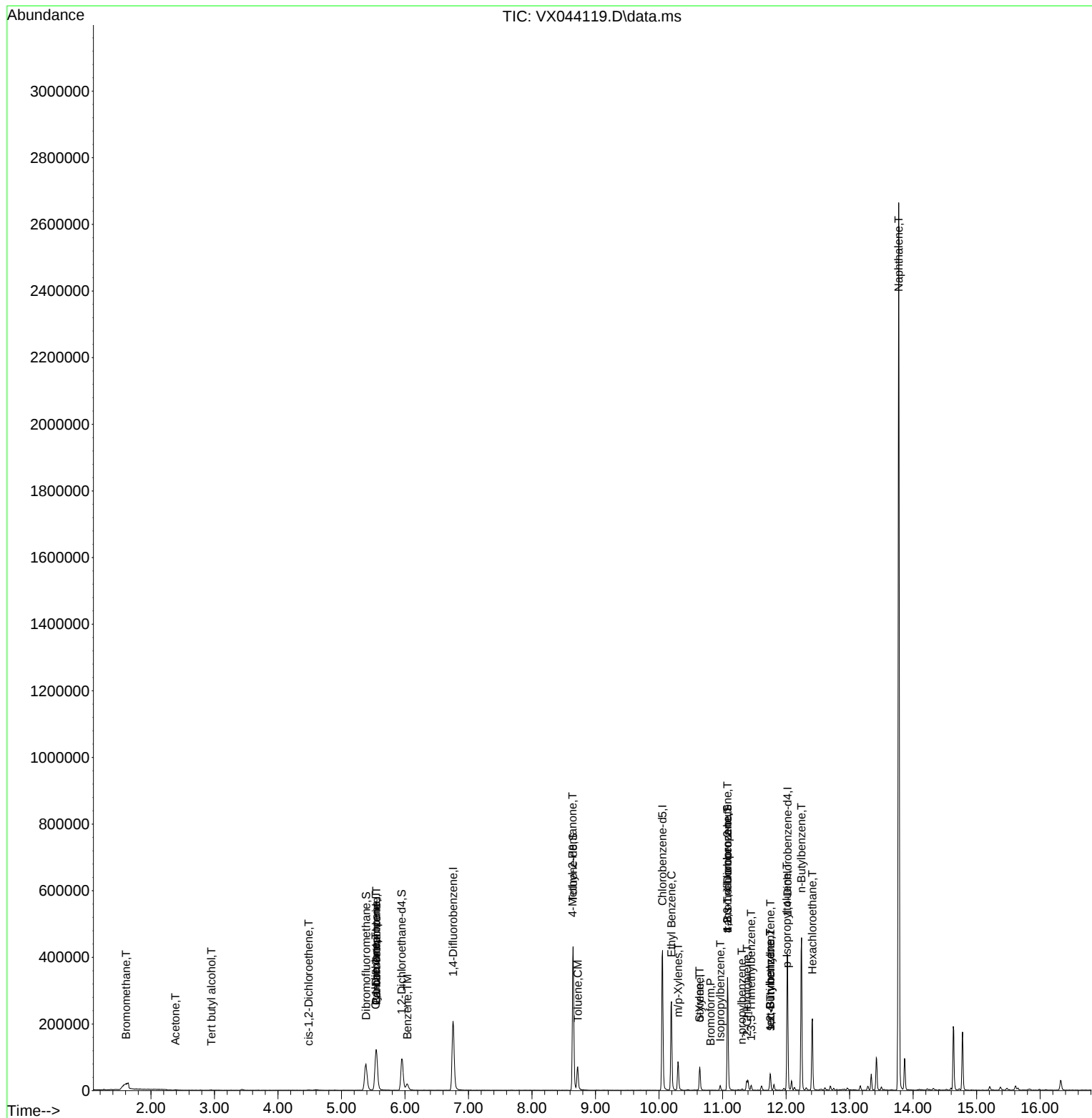
Internal Standards						
1) Pentafluorobenzene	5.550	168	105088	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	207247	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	179989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78940	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	95558	53.016	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.040%			
35) Dibromofluoromethane	5.385	113	66777	45.093	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.180%			
50) Toluene-d8	8.647	98	252799	49.522	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.040%			
62) 4-Bromofluorobenzene	11.079	95	87633	50.442	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.880%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	237	0.259	ug/l #	43
11) Tert butyl alcohol	2.953	59	119	0.411	ug/l #	73
16) Acetone	2.386	43	1108	1.338	ug/l #	87
27) cis-1,2-Dichloroethene	4.483	96	562	0.364	ug/l	86
31) Cyclohexane	5.538	56	3366	1.676	ug/l #	59
36) 1,1-Dichloropropene	5.544	75	10940	5.928	ug/l #	49
38) Carbon Tetrachloride	5.550	117	13017	6.278	ug/l #	17
40) Benzene	6.037	78	20920	3.639	ug/l #	90
51) 4-Methyl-2-Pentanone	8.641	43	1308	0.588	ug/l #	1
52) Toluene	8.720	92	26069	7.577	ug/l	96
67) Ethyl Benzene	10.195	91	159847	23.863	ug/l	99
68) m/p-Xylenes	10.299	106	20077	8.037	ug/l	96
69) o-Xylene	10.640	106	14903	6.110	ug/l	93
70) Styrene	10.640	104	997	0.247	ug/l #	1
71) Bromoform	10.811	173	27	1.233	ug/l #	29
73) Isopropylbenzene	10.963	105	7028	1.158	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	49386	28.528	ug/l #	34
78) n-propylbenzene	11.305	91	2762	0.408	ug/l	93
79) 2-Chlorotoluene	11.384	91	3614	0.843	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.451	105	6761	1.354	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	49386	77.846	ug/l #	6
83) tert-Butylbenzene	11.750	119	2292	0.463	ug/l #	16
84) 1,2,4-Trimethylbenzene	11.756	105	21741	4.374	ug/l	99
85) sec-Butylbenzene	11.756	105	21741	3.586	ug/l #	57
86) p-Isopropyltoluene	12.012	119	991	0.201	ug/l #	73
89) n-Butylbenzene	12.244	91	32760	7.545	ug/l #	43
90) Hexachloroethane	12.414	117	8081	9.650	ug/l #	18
95) Naphthalene	13.774	128	1497967	265.292	ug/l	100

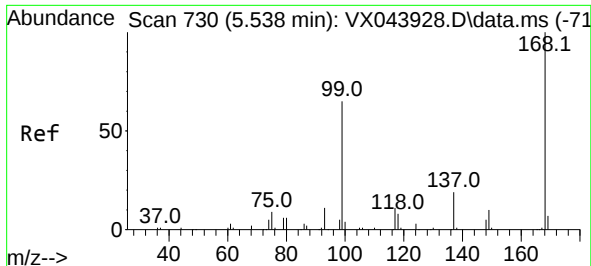
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120424\
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Quant Time: Dec 05 00:29:27 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

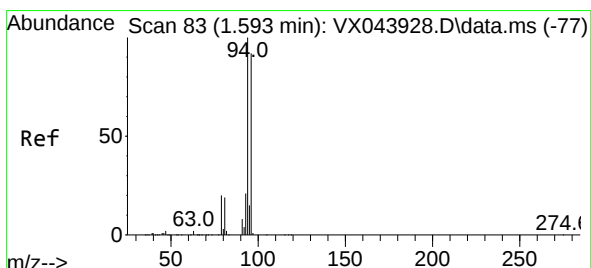
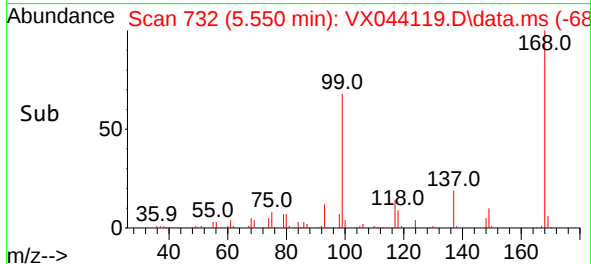
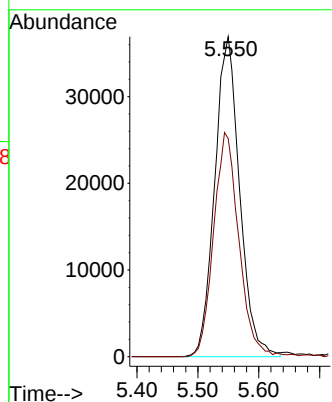
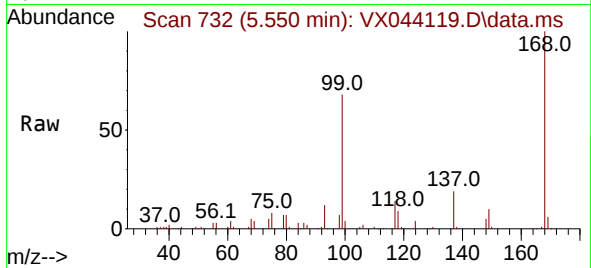




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX044119.D
Acq: 04 Dec 2024 16:06

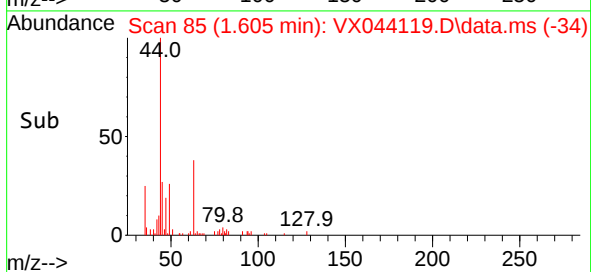
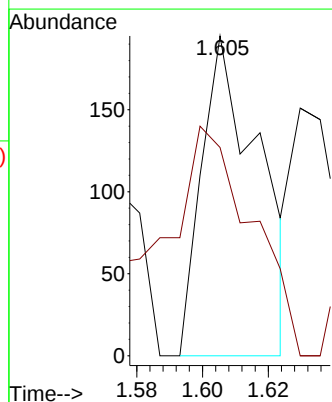
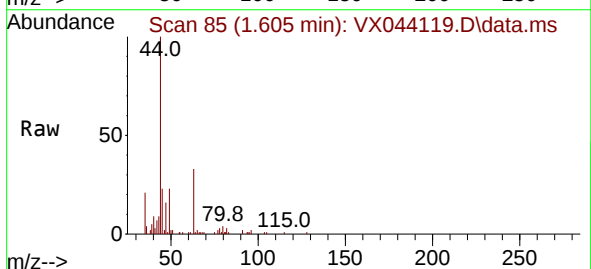
Instrument :
MSVOA_X
ClientSampleId :

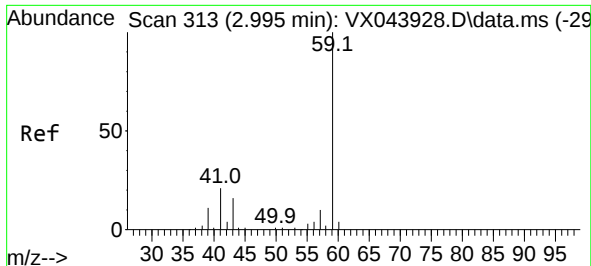
Tgt Ion:168 Resp: 105088
Ion Ratio Lower Upper
168 100
99 68.1 51.8 77.8



#5
Bromomethane
Concen: 0.259 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX044119.D
Acq: 04 Dec 2024 16:06

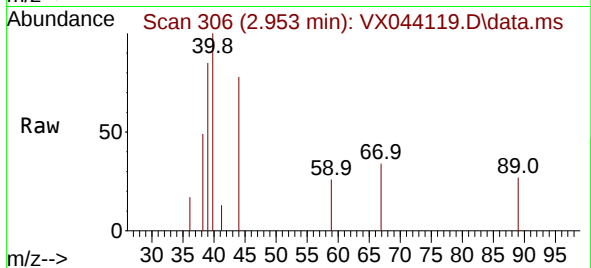
Tgt Ion: 94 Resp: 237
Ion Ratio Lower Upper
94 100
96 37.9 73.9 110.9#



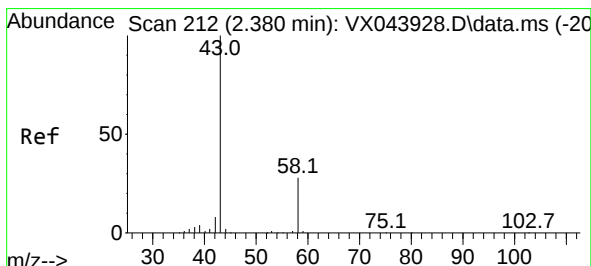
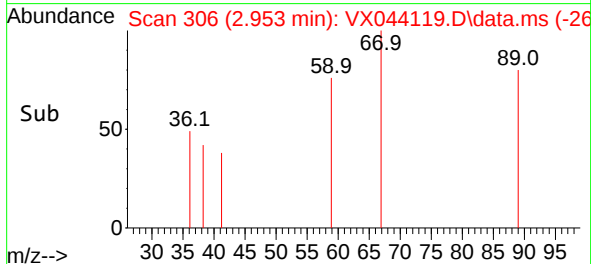
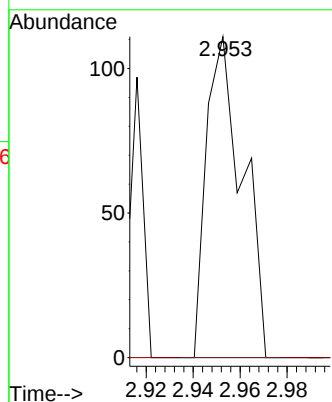


#11
Tert butyl alcohol
Concen: 0.411 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.043 min
Lab File: VX044119.D
Acq: 04 Dec 2024 16:06

Instrument :
MSVOA_X
ClientSampleId :

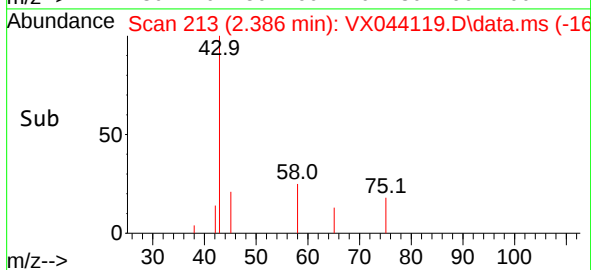
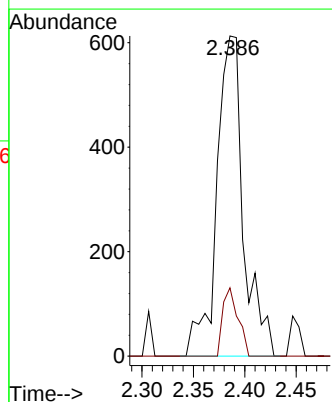
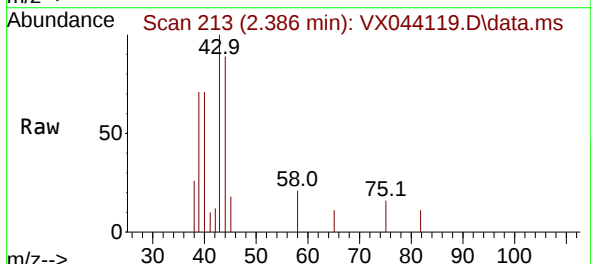


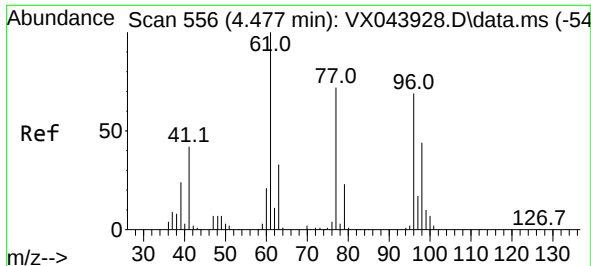
Tgt Ion: 59 Resp: 119
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#16
Acetone
Concen: 1.338 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044119.D
Acq: 04 Dec 2024 16:06

Tgt Ion: 43 Resp: 1108
Ion Ratio Lower Upper
43 100
58 21.4 22.7 34.1#





#27

cis-1,2-Dichloroethene

Concen: 0.364 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX044119.D

Acq: 04 Dec 2024 16:06

Instrument :

MSVOA_X

ClientSampleId :

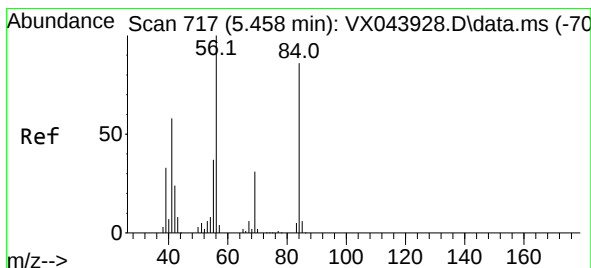
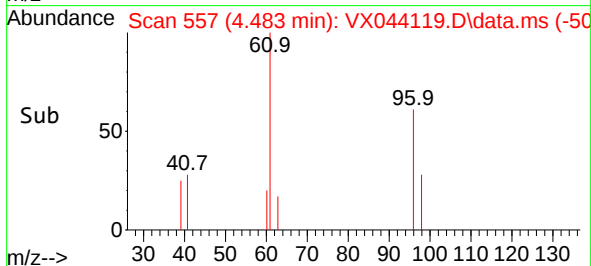
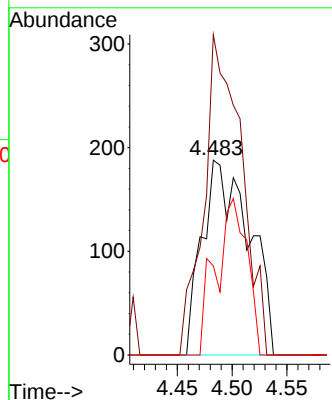
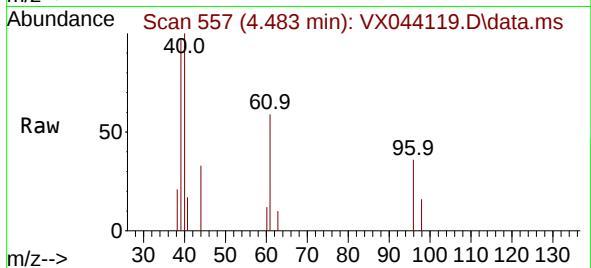
Tgt Ion: 96 Resp: 562

Ion Ratio Lower Upper

96 100

61 130.8 0.0 297.4

98 53.2 0.0 127.8



#31

Cyclohexane

Concen: 1.676 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.079 min

Lab File: VX044119.D

Acq: 04 Dec 2024 16:06

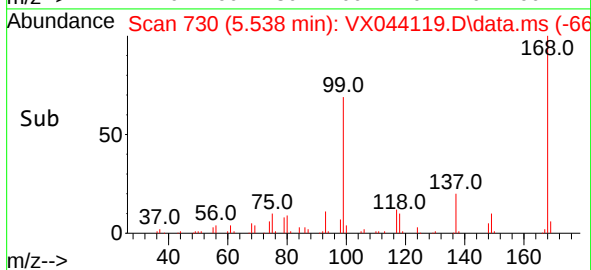
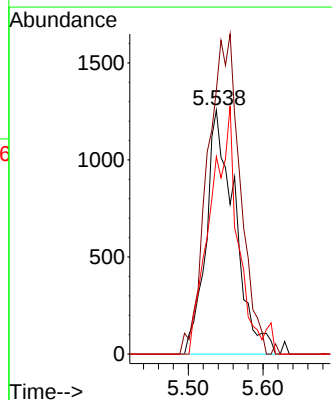
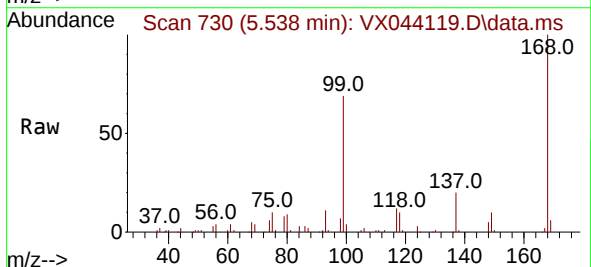
Tgt Ion: 56 Resp: 3366

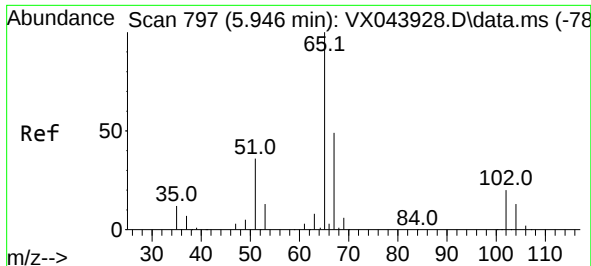
Ion Ratio Lower Upper

56 100

69 108.1 24.7 37.1#

84 80.9 68.7 103.1

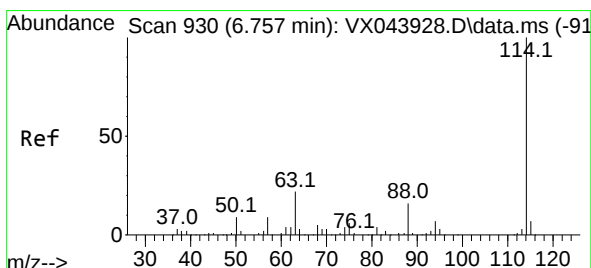
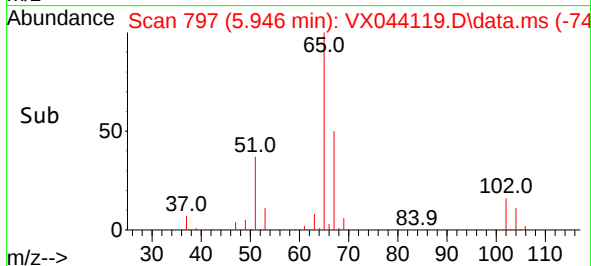
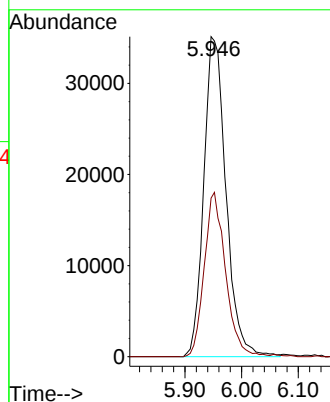
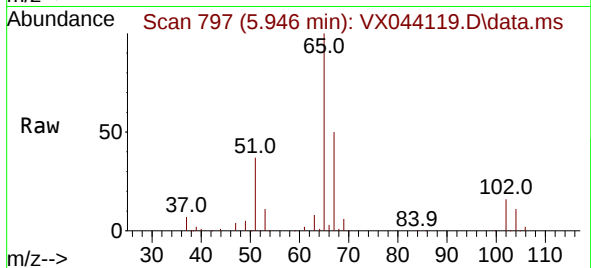




#33
 1,2-Dichloroethane-d4
 Concen: 53.016 ug/l
 RT: 5.946 min Scan# 797
 Delta R.T. -0.000 min
 Lab File: VX044119.D
 Acq: 04 Dec 2024 16:06

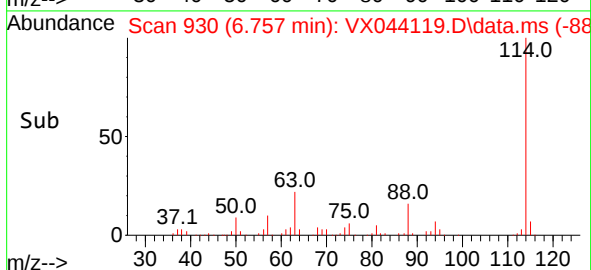
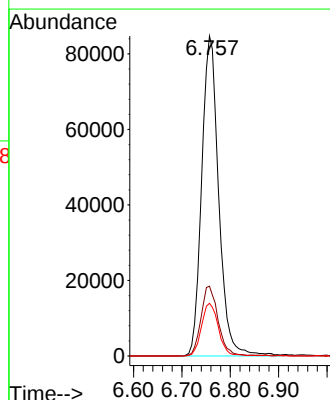
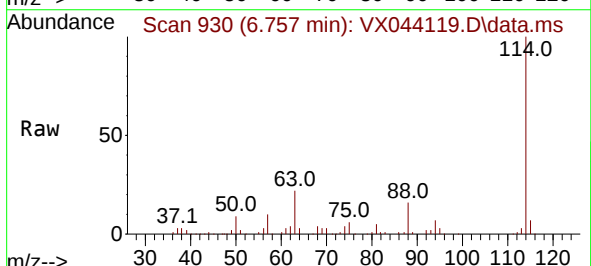
Instrument :
 MSVOA_X
 ClientSampleId :

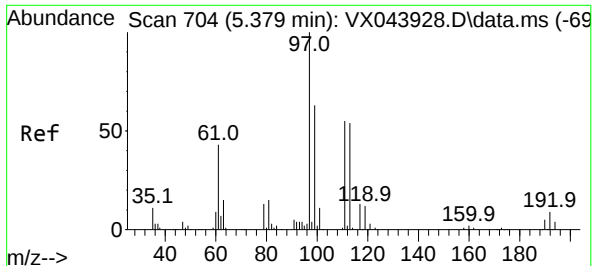
Tgt Ion: 65 Resp: 95558
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX044119.D
 Acq: 04 Dec 2024 16:06

Tgt Ion: 114 Resp: 207247
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 44.0
 88 16.4 0.0 32.4





#35

Dibromofluoromethane

Concen: 45.093 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

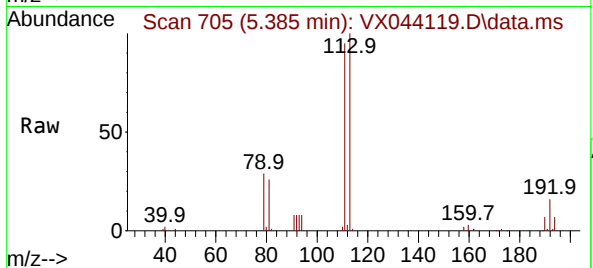
Lab File: VX044119.D

Acq: 04 Dec 2024 16:06

Instrument :

MSVOA_X

ClientSampleId :



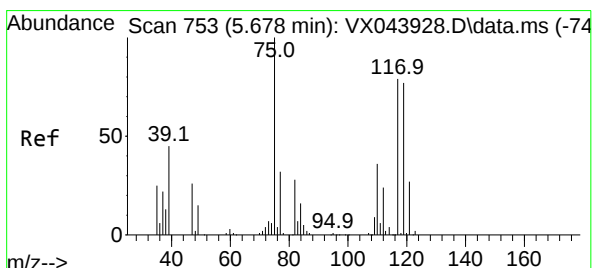
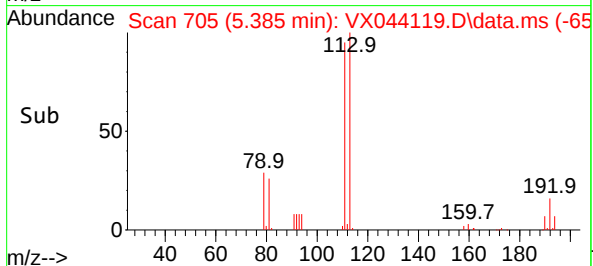
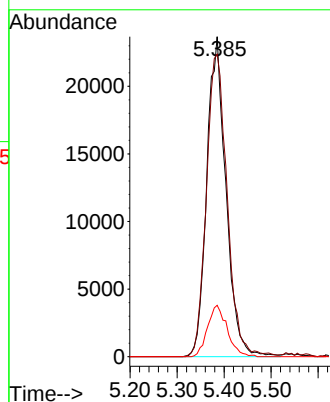
Tgt Ion:113 Resp: 66777

Ion Ratio Lower Upper

113 100

111 102.7 81.0 121.4

192 16.6 13.0 19.6



#36

1,1-Dichloropropene

Concen: 5.928 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.134 min

Lab File: VX044119.D

Acq: 04 Dec 2024 16:06

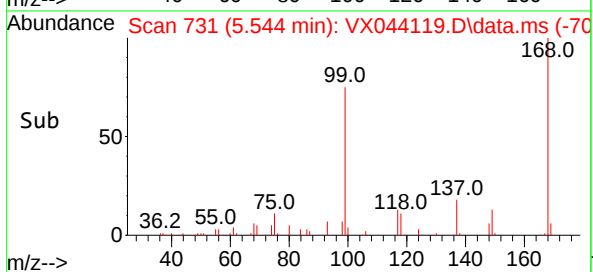
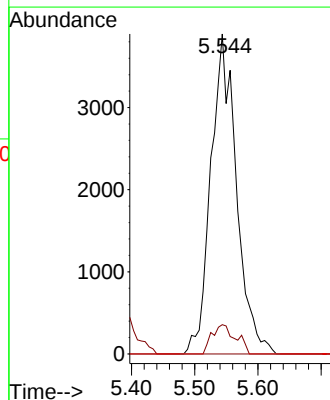
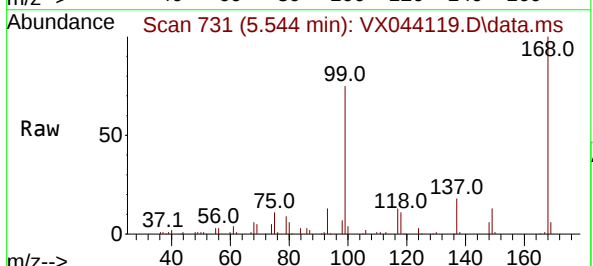
Tgt Ion: 75 Resp: 10940

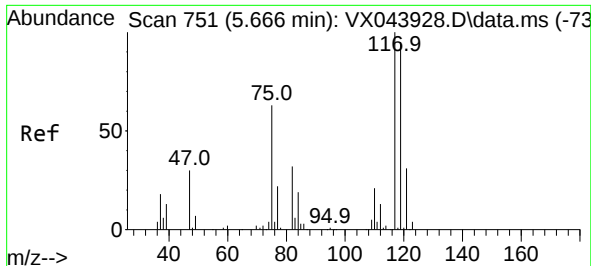
Ion Ratio Lower Upper

75 100

110 8.5 17.4 52.2#

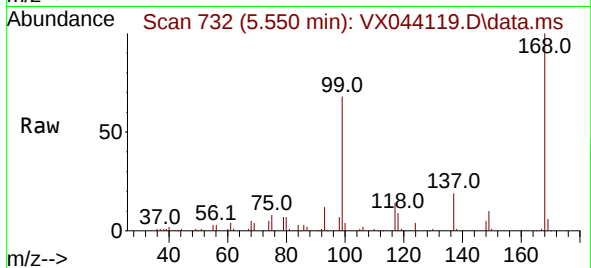
77 0.0 25.8 38.8#



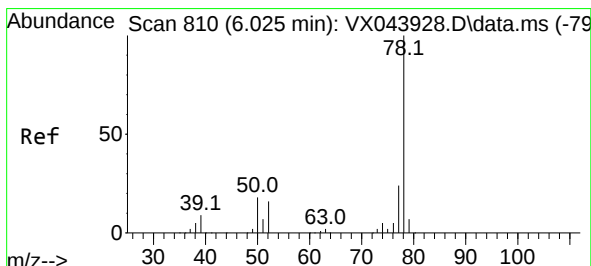
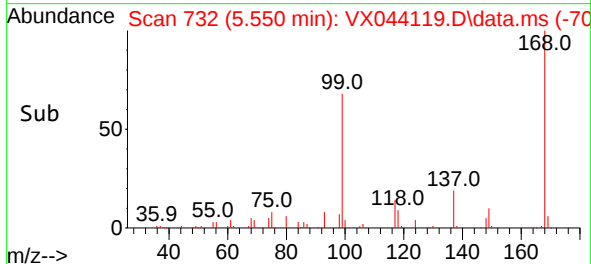
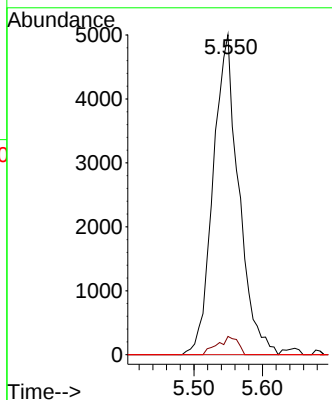


#38
Carbon Tetrachloride
Concen: 6.278 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX044119.D
Acq: 04 Dec 2024 16:06

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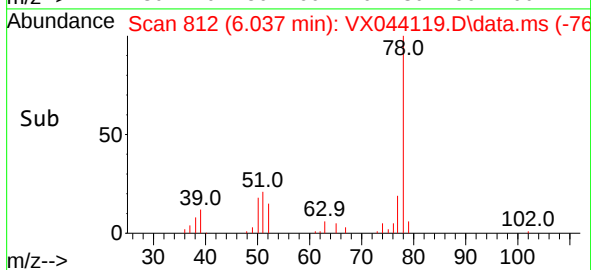
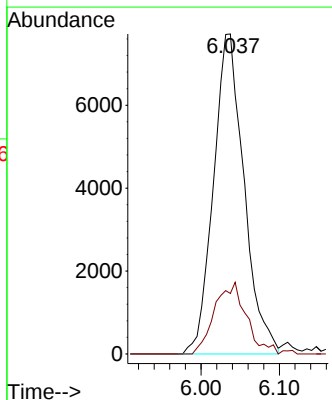
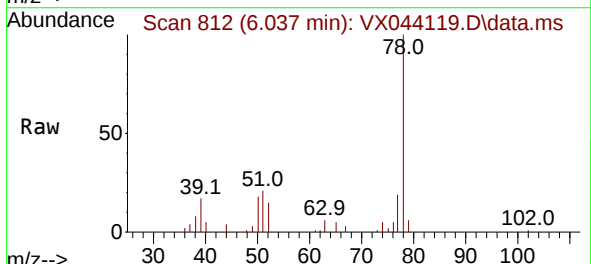


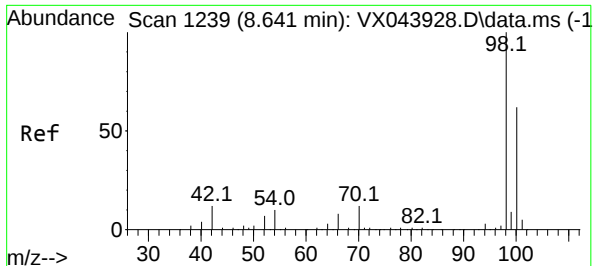
Tgt Ion:117 Resp: 13017
Ion Ratio Lower Upper
117 100
119 5.7 75.2 112.8#
121 0.0 24.5 36.7#



#40
Benzene
Concen: 3.639 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.012 min
Lab File: VX044119.D
Acq: 04 Dec 2024 16:06

Tgt Ion: 78 Resp: 20920
Ion Ratio Lower Upper
78 100
77 18.9 19.2 28.8#

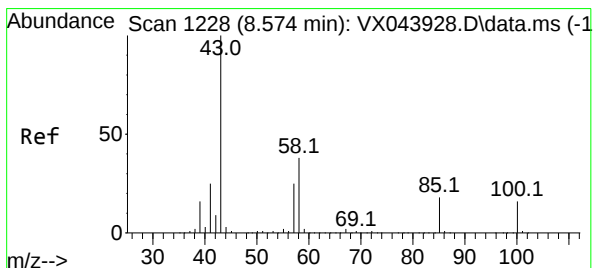
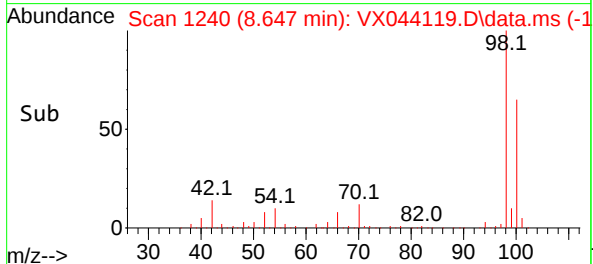
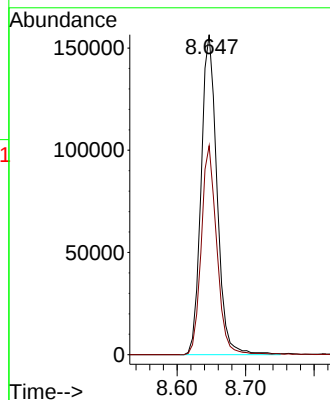
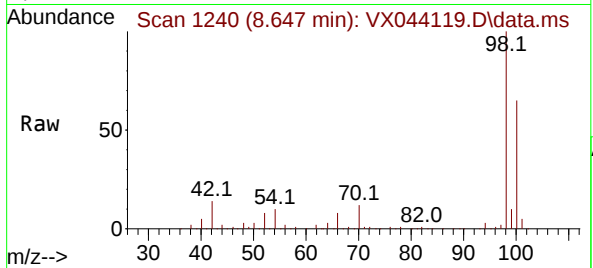




#50
Toluene-d8
Concen: 49.522 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044119.D
Acq: 04 Dec 2024 16:06

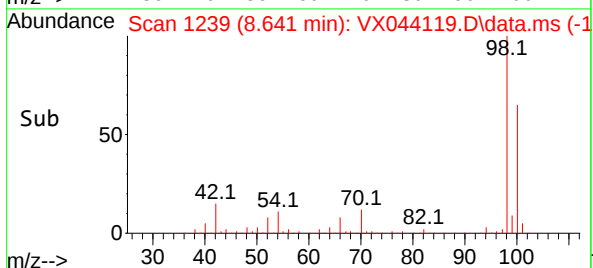
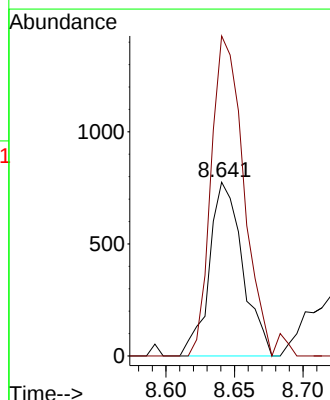
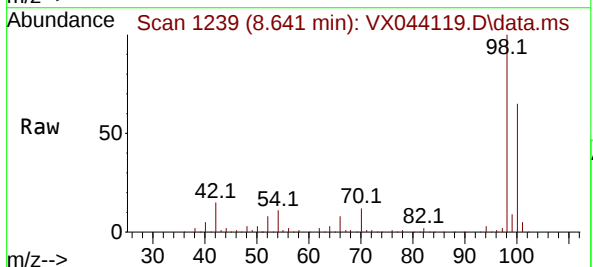
Instrument :
MSVOA_X
ClientSampleId :

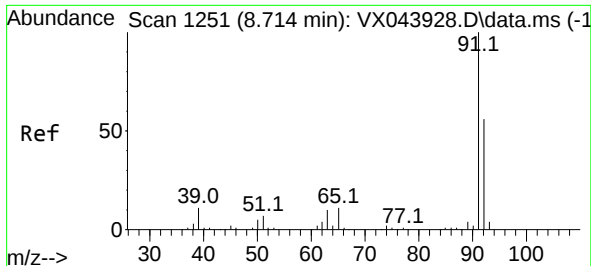
Tgt Ion: 98 Resp: 252799
Ion Ratio Lower Upper
98 100
100 63.7 52.6 79.0



#51
4-Methyl-2-Pentanone
Concen: 0.588 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX044119.D
Acq: 04 Dec 2024 16:06

Tgt Ion: 43 Resp: 1308
Ion Ratio Lower Upper
43 100
58 183.4 30.0 45.0#

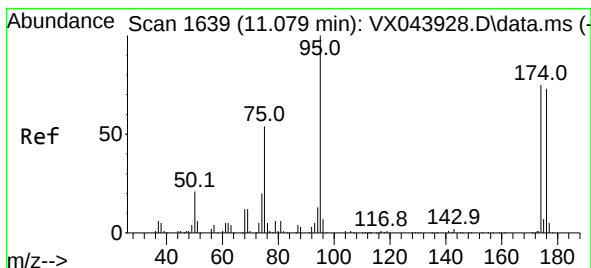
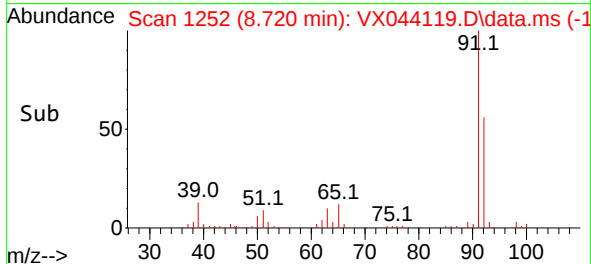
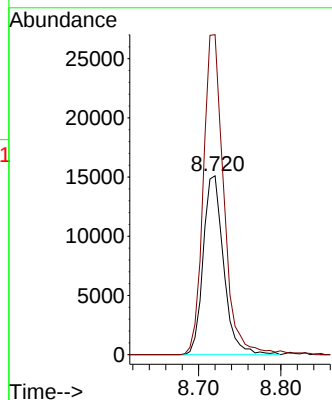
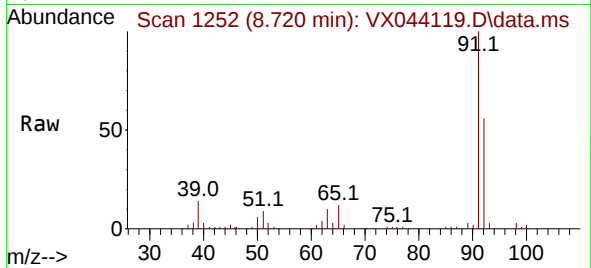




#52
Toluene
Concen: 7.577 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044119.D
Acq: 04 Dec 2024 16:06

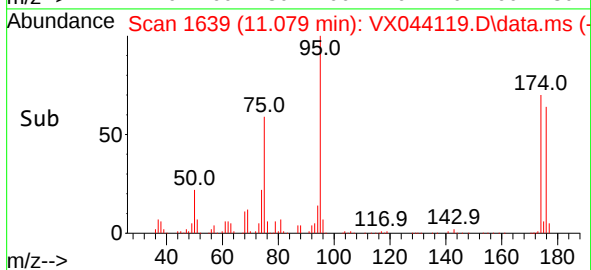
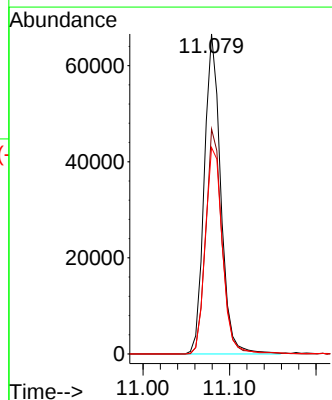
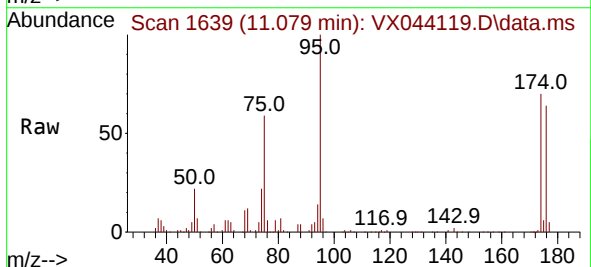
Instrument :
MSVOA_X
ClientSampleId :

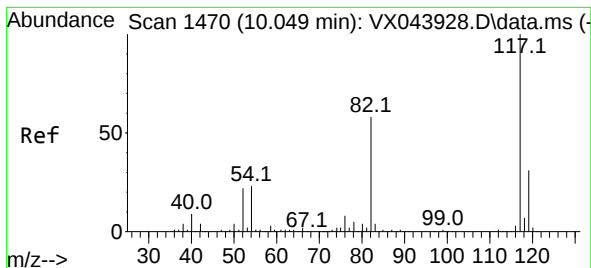
Tgt Ion: 92 Resp: 26069
Ion Ratio Lower Upper
92 100
91 180.6 139.7 209.5



#62
4-Bromofluorobenzene
Concen: 50.442 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044119.D
Acq: 04 Dec 2024 16:06

Tgt Ion: 95 Resp: 87633
Ion Ratio Lower Upper
95 100
174 70.0 0.0 150.4
176 67.7 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX044119.D

Acq: 04 Dec 2024 16:06

Instrument :

MSVOA_X

ClientSampleId :

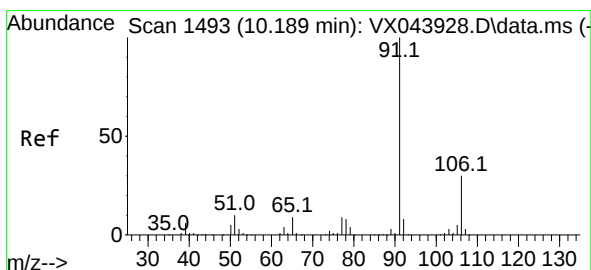
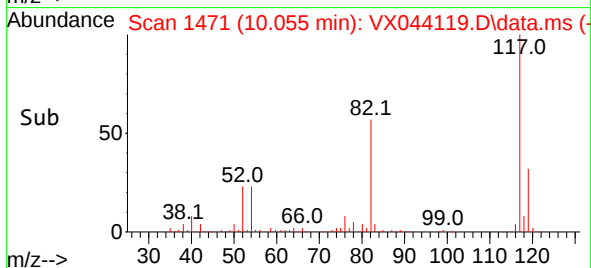
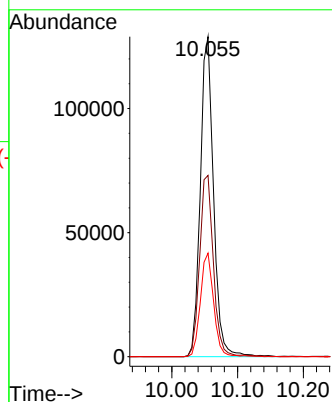
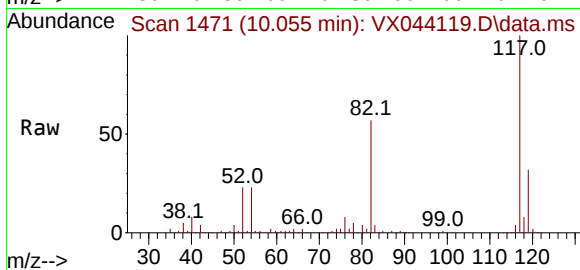
Tgt Ion:117 Resp: 179989

Ion Ratio Lower Upper

117 100

82 56.7 46.4 69.6

119 32.4 24.6 37.0



#67

Ethyl Benzene

Concen: 23.863 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.006 min

Lab File: VX044119.D

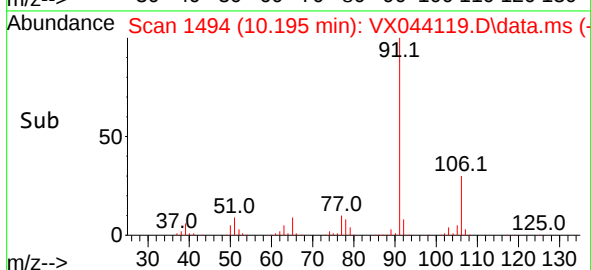
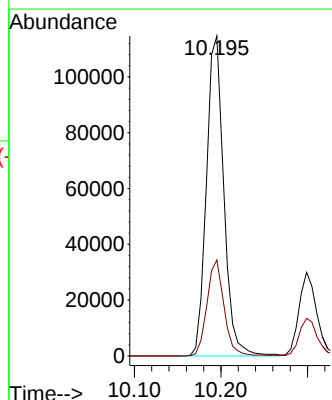
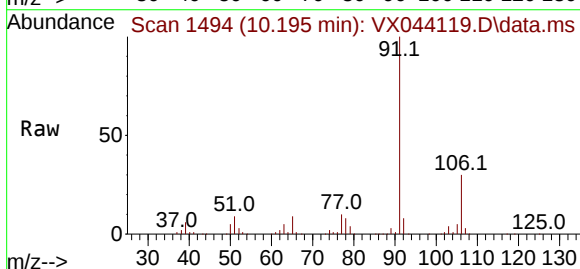
Acq: 04 Dec 2024 16:06

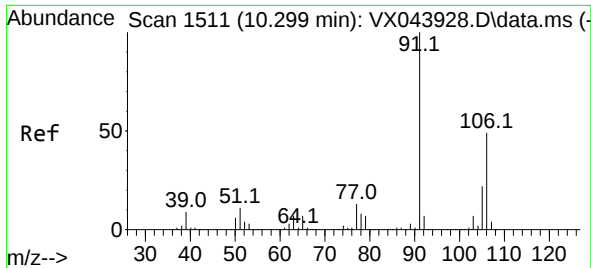
Tgt Ion: 91 Resp: 159847

Ion Ratio Lower Upper

91 100

106 30.0 23.6 35.4

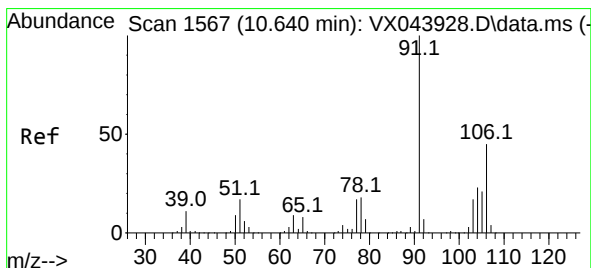
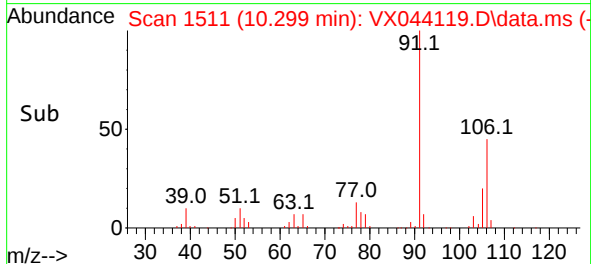
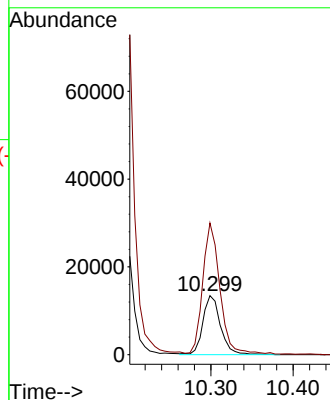
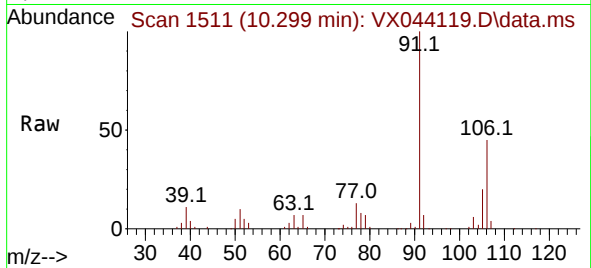




#68
m/p-Xylenes
Concen: 8.037 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044119.D
Acq: 04 Dec 2024 16:06

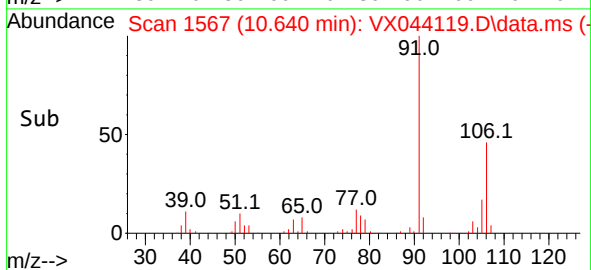
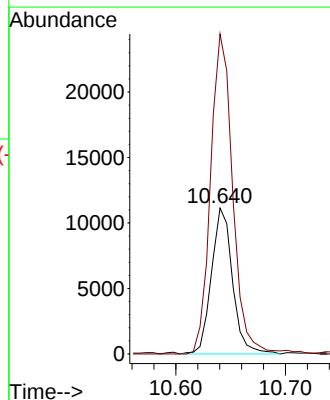
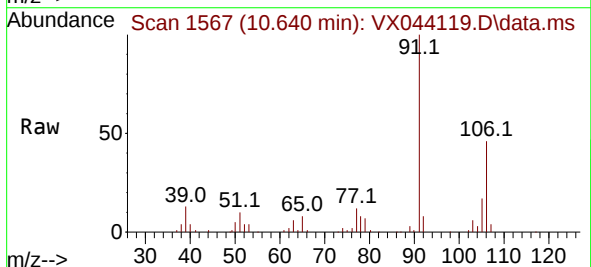
Instrument :
MSVOA_X
ClientSampleId :

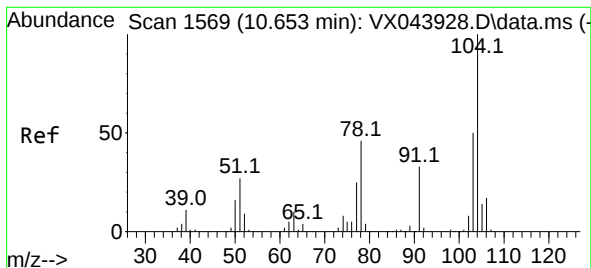
Tgt Ion:106 Resp: 20077
Ion Ratio Lower Upper
106 100
91 216.1 168.1 252.1



#69
o-Xylene
Concen: 6.110 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX044119.D
Acq: 04 Dec 2024 16:06

Tgt Ion:106 Resp: 14903
Ion Ratio Lower Upper
106 100
91 231.1 110.2 330.6





#70

Styrene

Concen: 0.247 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.012 min

Lab File: VX044119.D

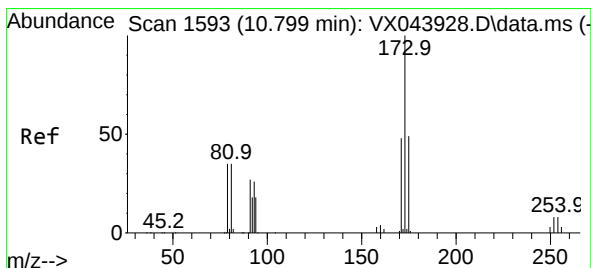
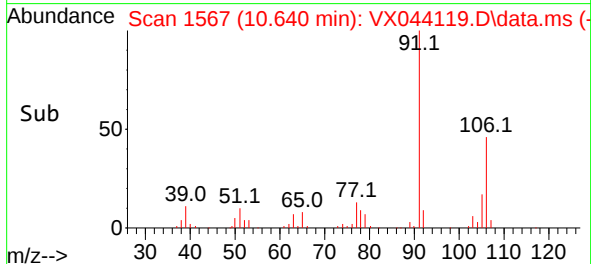
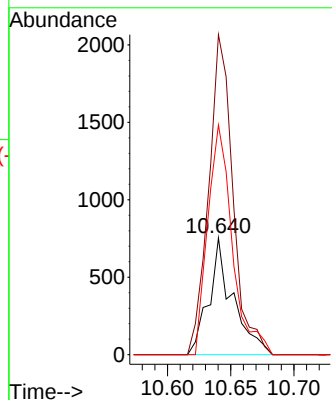
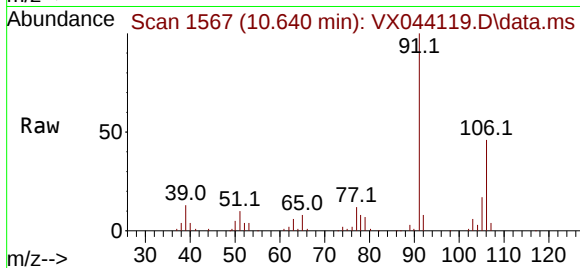
Acq: 04 Dec 2024 16:06

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:104	Resp:	997
Ion Ratio	Lower	Upper
104	100	
78	276.5	42.2 63.2#
103	200.9	44.7 67.1#



#71

Bromoform

Concen: 1.233 ug/l

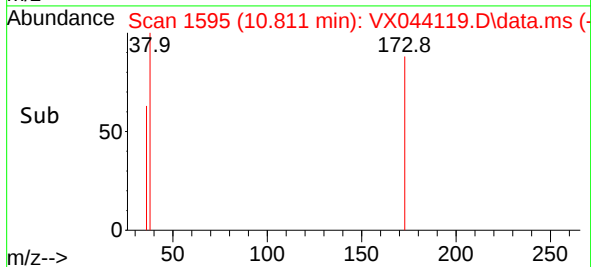
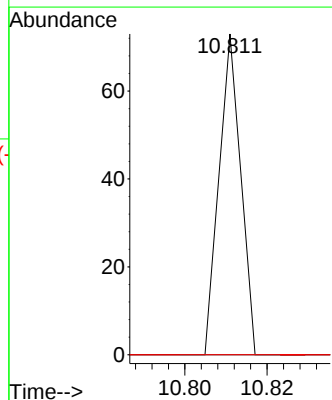
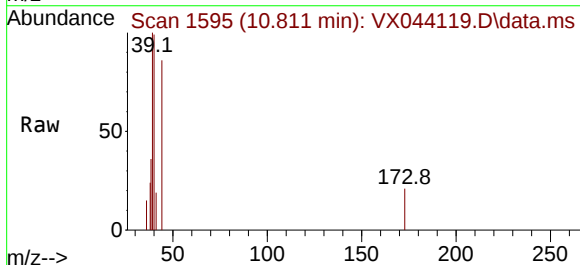
RT: 10.811 min Scan# 1595

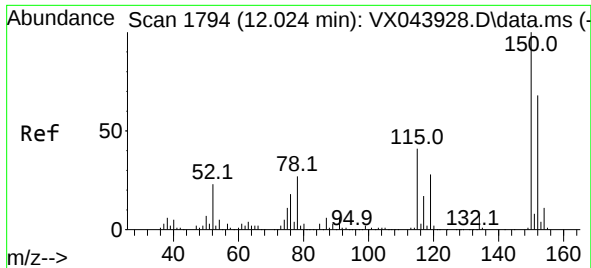
Delta R.T. 0.012 min

Lab File: VX044119.D

Acq: 04 Dec 2024 16:06

Tgt Ion:173	Resp:	27
Ion Ratio	Lower	Upper
173	100	
175	0.0	24.1 72.2#
254	0.0	0.0 0.0

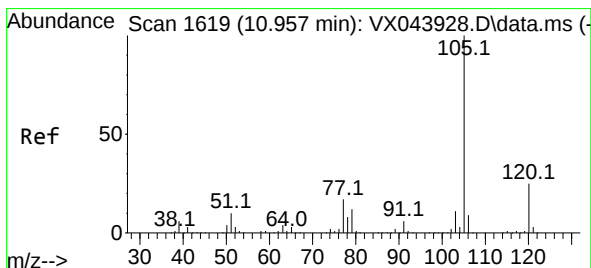
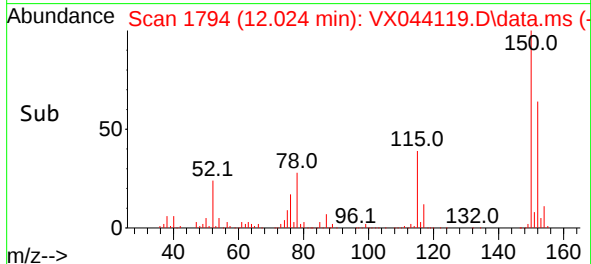
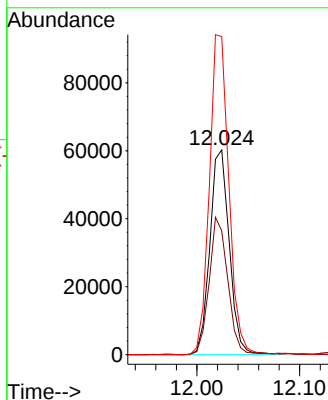
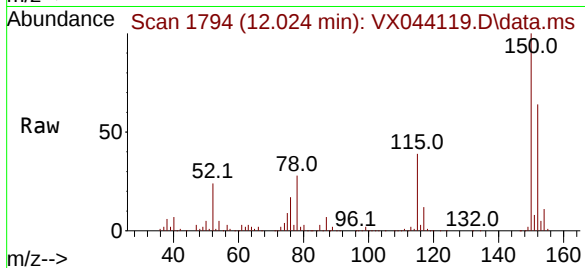




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044119.D
Acq: 04 Dec 2024 16:06

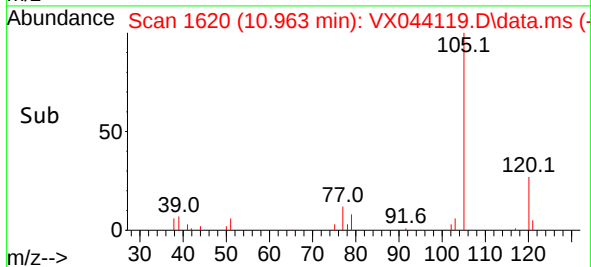
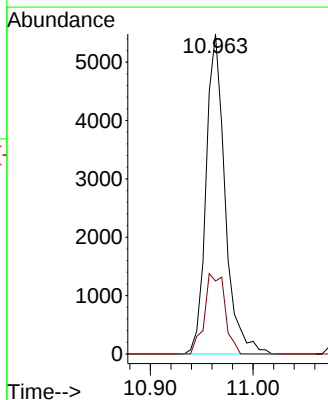
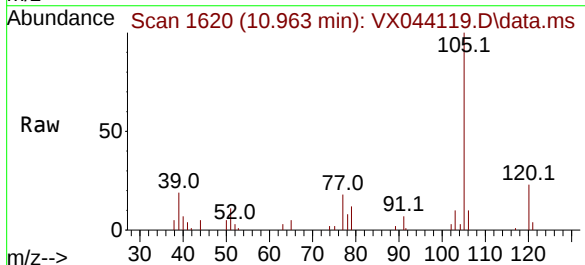
Instrument :
MSVOA_X
ClientSampleId :

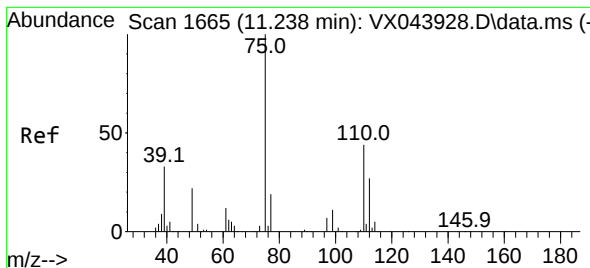
Tgt Ion:152 Resp: 78940
Ion Ratio Lower Upper
152 100
115 64.5 45.4 136.2
150 156.3 0.0 353.0



#73
Isopropylbenzene
Concen: 1.158 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX044119.D
Acq: 04 Dec 2024 16:06

Tgt Ion:105 Resp: 7028
Ion Ratio Lower Upper
105 100
120 27.0 13.0 38.9





#76

1,2,3-Trichloropropane

Concen: 28.528 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX044119.D

Acq: 04 Dec 2024 16:06

Instrument :

MSVOA_X

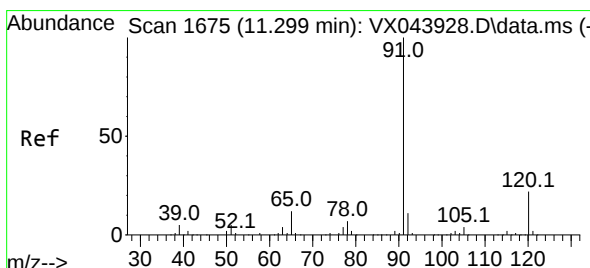
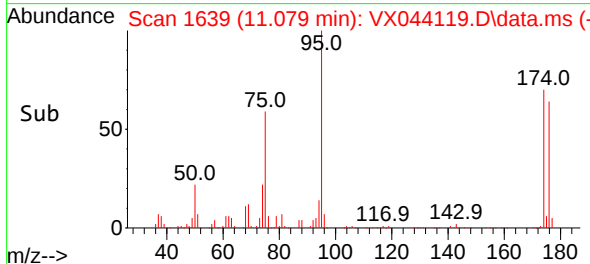
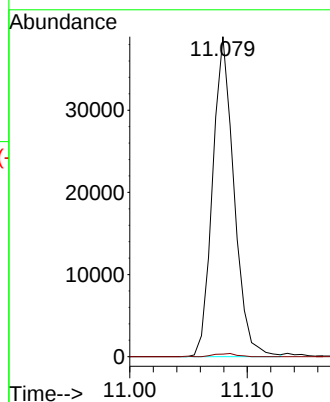
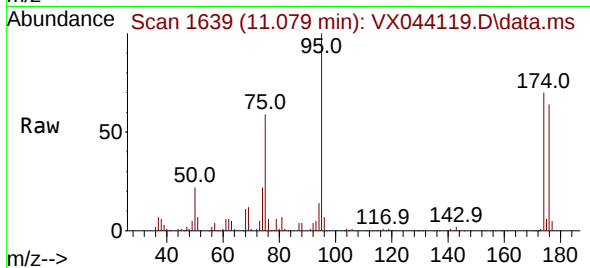
ClientSampleId :

Tgt Ion: 75 Resp: 49386

Ion Ratio Lower Upper

75 100

77 1.0 21.8 65.3#



#78

n-propylbenzene

Concen: 0.408 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX044119.D

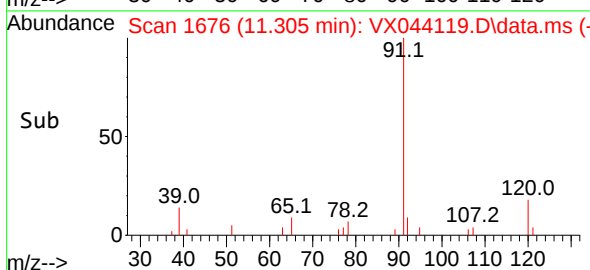
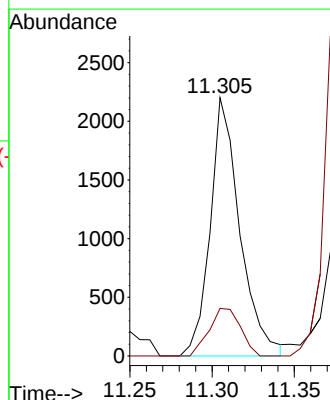
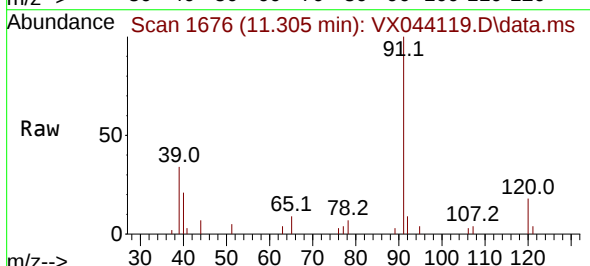
Acq: 04 Dec 2024 16:06

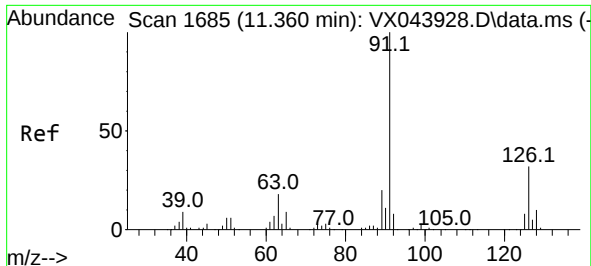
Tgt Ion: 91 Resp: 2762

Ion Ratio Lower Upper

91 100

120 19.5 11.5 34.4

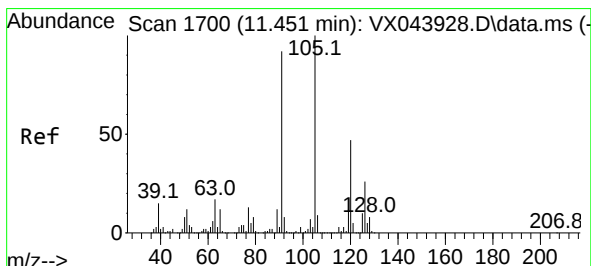
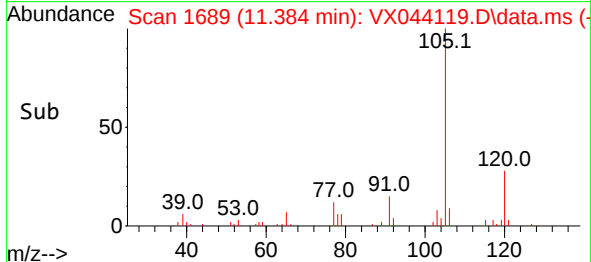
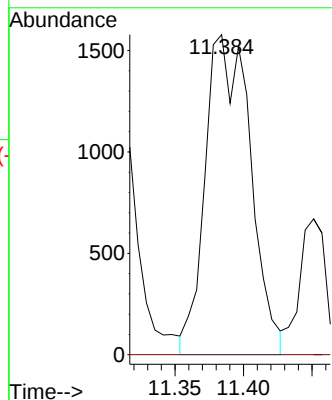
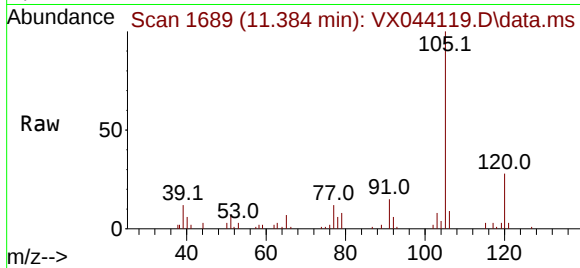




#79
2-Chlorotoluene
Concen: 0.843 ug/l
RT: 11.384 min Scan# 11
Delta R.T. 0.024 min
Lab File: VX044119.D
Acq: 04 Dec 2024 16:06

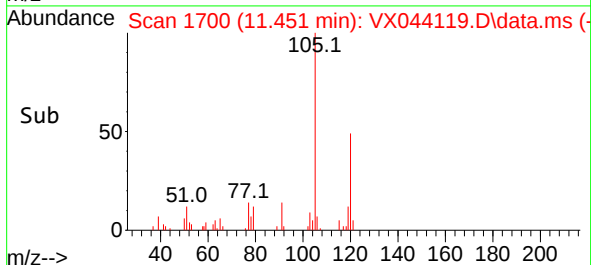
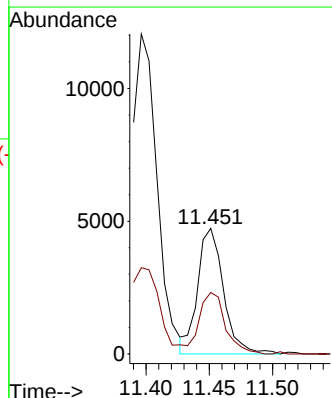
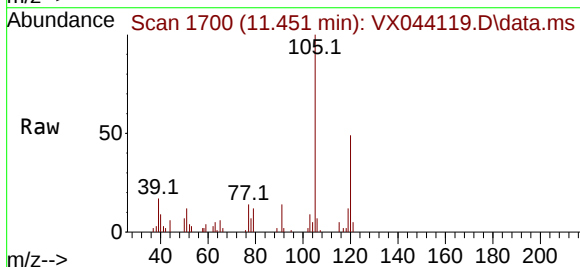
Instrument :
MSVOA_X
ClientSampleId :

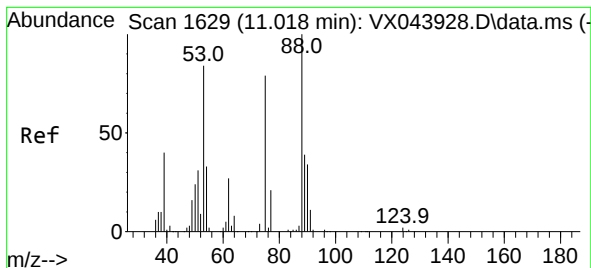
Tgt Ion: 91 Resp: 3614
Ion Ratio Lower Upper
91 100
126 0.0 16.6 49.8#



#80
1,3,5-Trimethylbenzene
Concen: 1.354 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044119.D
Acq: 04 Dec 2024 16:06

Tgt Ion: 105 Resp: 6761
Ion Ratio Lower Upper
105 100
120 48.2 23.3 69.8

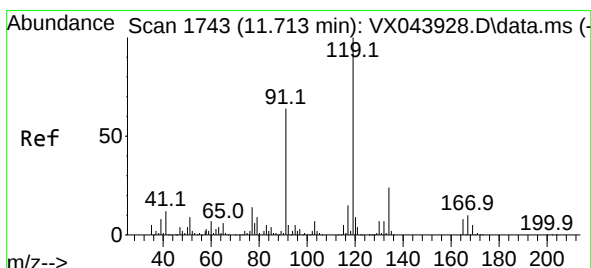
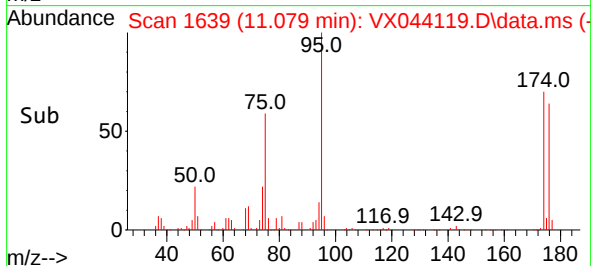
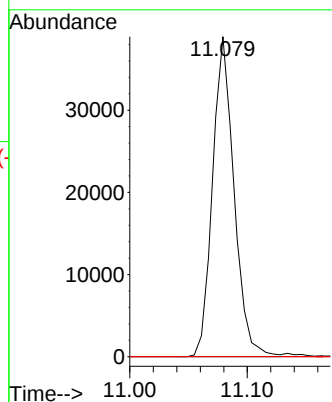
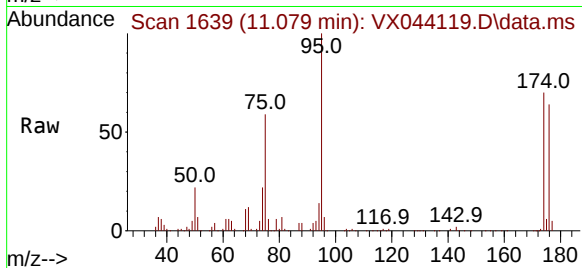




#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.846 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX044119.D
 Acq: 04 Dec 2024 16:06

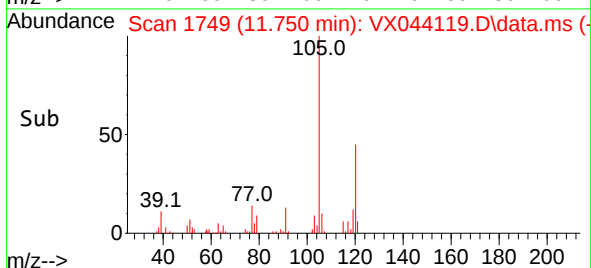
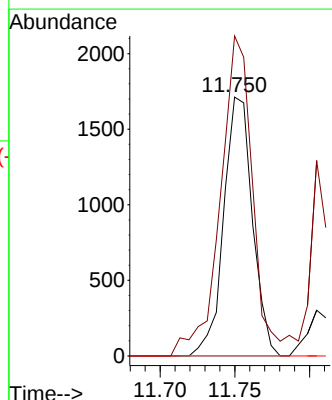
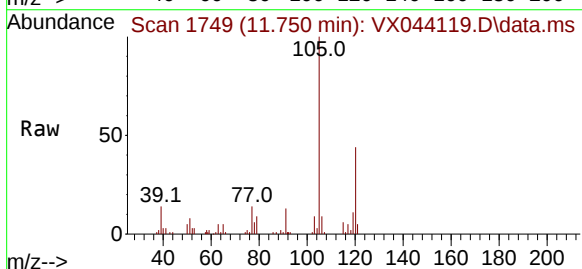
Instrument :
 MSVOA_X
 ClientSampleId :

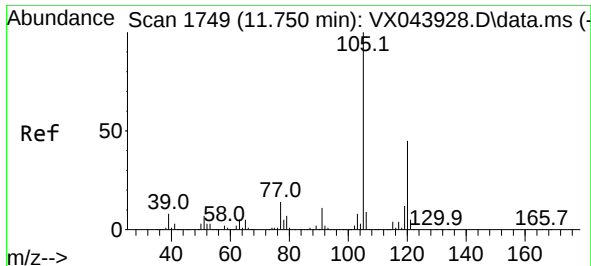
Tgt Ion: 75 Resp: 49386
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.7 130.1#
 89 0.0 38.2 57.2#



#83
 tert-Butylbenzene
 Concen: 0.463 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.036 min
 Lab File: VX044119.D
 Acq: 04 Dec 2024 16:06

Tgt Ion: 119 Resp: 2292
 Ion Ratio Lower Upper
 119 100
 91 136.9 31.0 93.0#
 134 0.0 11.6 34.8#

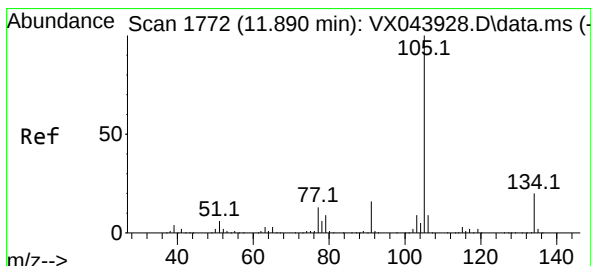
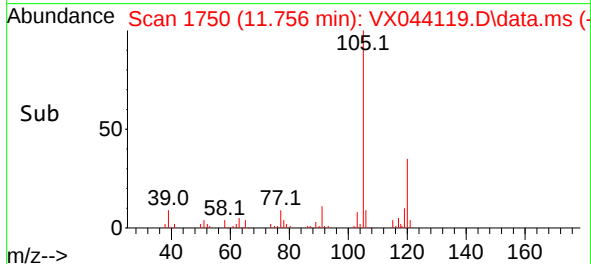
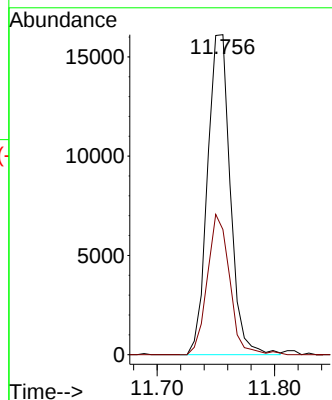
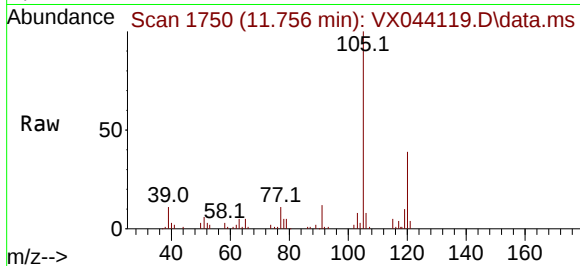




#84
1,2,4-Trimethylbenzene
Concen: 4.374 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX044119.D
Acq: 04 Dec 2024 16:06

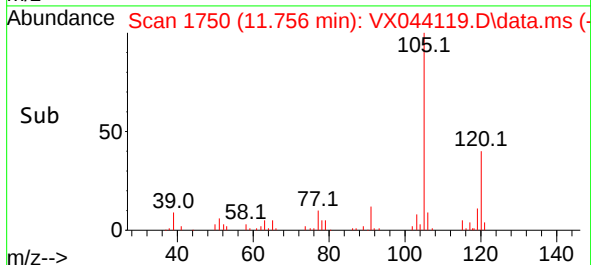
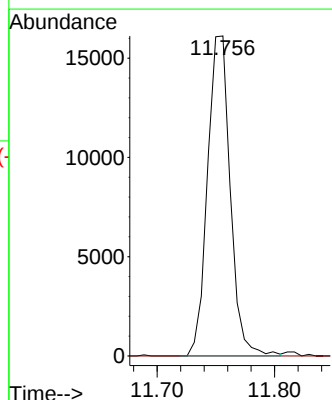
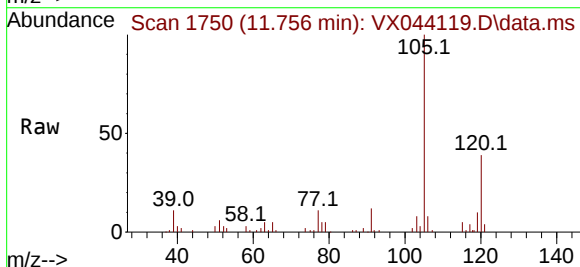
Instrument :
MSVOA_X
ClientSampleId :

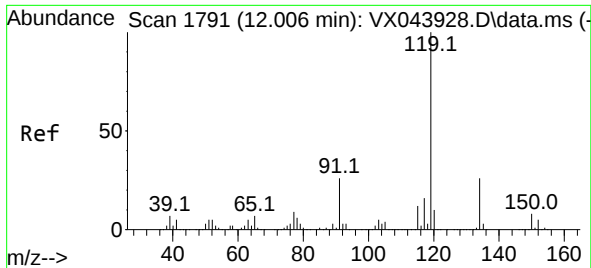
Tgt Ion:105 Resp: 21741
Ion Ratio Lower Upper
105 100
120 43.0 21.9 65.7



#85
sec-Butylbenzene
Concen: 3.586 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.134 min
Lab File: VX044119.D
Acq: 04 Dec 2024 16:06

Tgt Ion:105 Resp: 21741
Ion Ratio Lower Upper
105 100
134 0.0 9.7 29.1#

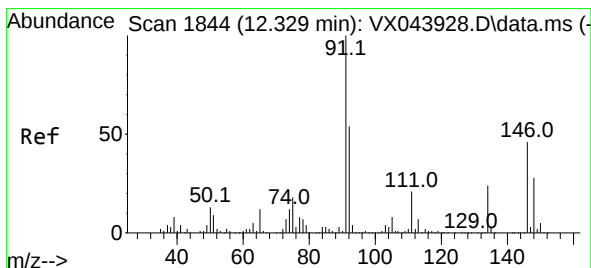
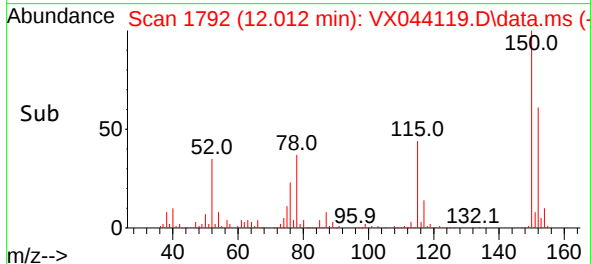
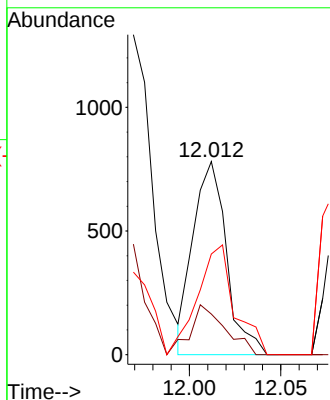
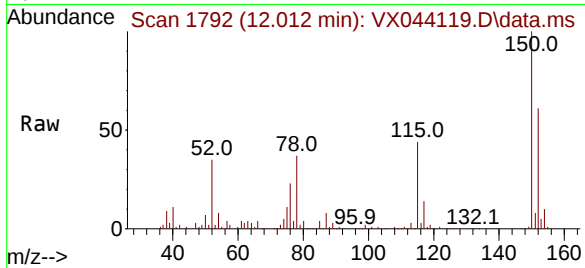




#86
p-Isopropyltoluene
Concen: 0.201 ug/l
RT: 12.012 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044119.D
Acq: 04 Dec 2024 16:06

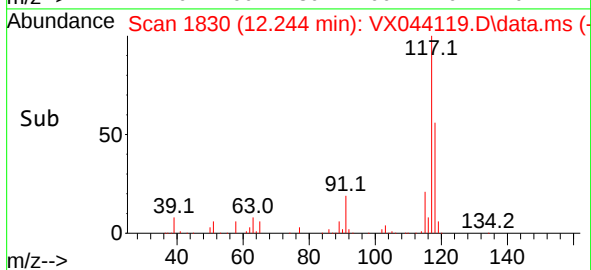
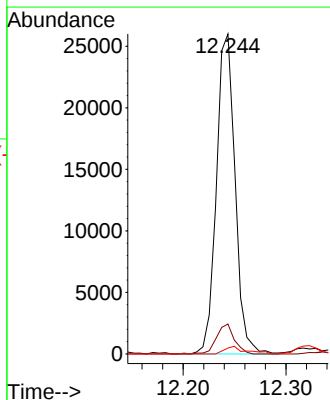
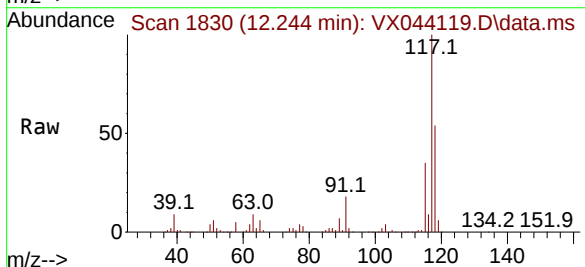
Instrument :
MSVOA_X
ClientSampleId :

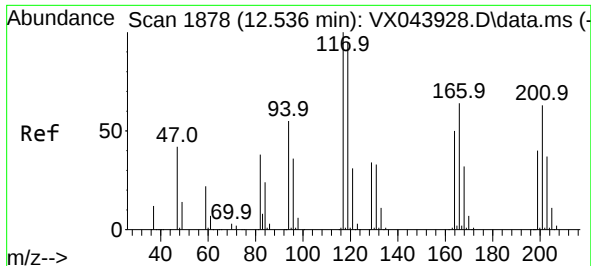
Tgt Ion:119 Resp: 991
Ion Ratio Lower Upper
119 100
134 27.0 13.0 38.9
91 0.0 13.0 38.9#



#89
n-Butylbenzene
Concen: 7.545 ug/l
RT: 12.244 min Scan# 1830
Delta R.T. -0.086 min
Lab File: VX044119.D
Acq: 04 Dec 2024 16:06

Tgt Ion: 91 Resp: 32760
Ion Ratio Lower Upper
91 100
92 8.9 26.6 79.8#
134 2.6 12.4 37.2#

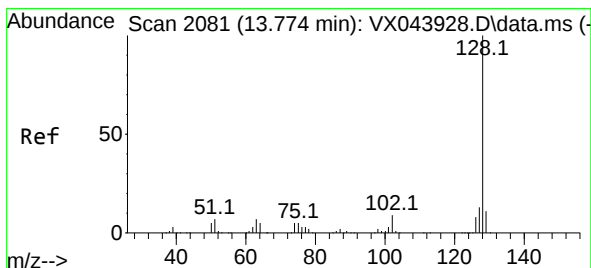
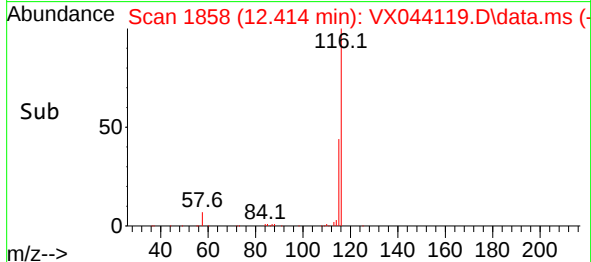
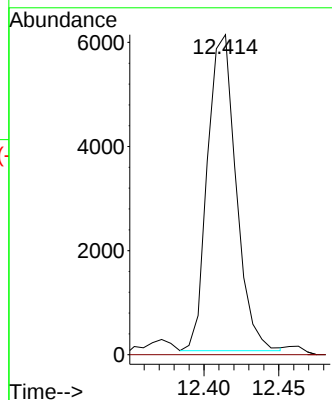
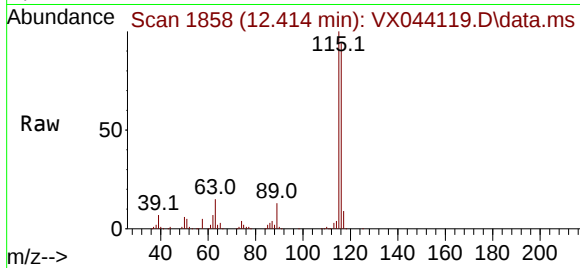




#90
Hexachloroethane
Concen: 9.650 ug/l
RT: 12.414 min Scan# 117
Delta R.T. -0.122 min
Lab File: VX044119.D
Acq: 04 Dec 2024 16:06

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:117 Resp: 8081
Ion Ratio Lower Upper
117 100
201 0.0 32.4 97.0#



#95
Naphthalene
Concen: 265.292 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX044119.D
Acq: 04 Dec 2024 16:06

Tgt Ion:128 Resp: 1497967
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 10.8 8.6 12.8

