

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121721\
 Data File : VX025868.D
 Acq On : 16 Dec 2021 20:14
 Operator : JC/MD
 Sample : M5051-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 17 02:37:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

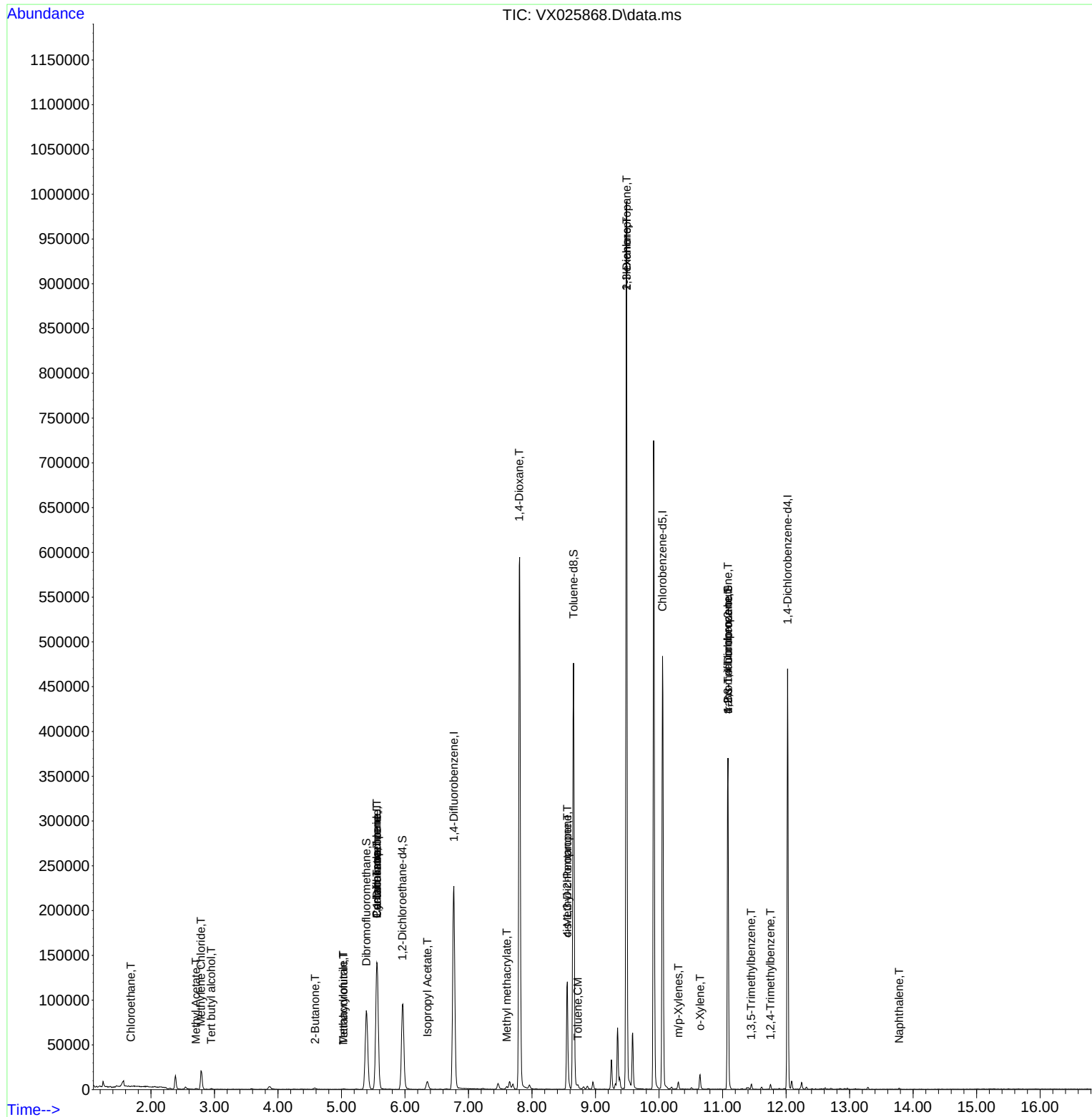
Internal Standards						
1) Pentafluorobenzene	5.555	168	131383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	229720	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	222230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93100	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	91704	48.511	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.020%		
35) Dibromofluoromethane	5.391	113	74803	46.691	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.380%		
50) Toluene-d8	8.652	98	284164	48.681	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.360%		
62) 4-Bromofluorobenzene	11.085	95	98461	44.405	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.800%		
Target Compounds					Qvalue	
6) Chloroethane	1.684	64	371	0.315	ug/l #	42
11) Tert butyl alcohol	2.946	59	517	1.363	ug/l #	73
16) Acetone	2.385	43	16014	Below Cal		98
18) Methyl Acetate	2.708	43	1139	0.395	ug/l	93
20) Methylene Chloride	2.788	84	9342	3.529	ug/l	93
25) 2-Butanone	4.586	43	2386	1.877	ug/l #	89
29) Tetrahydrofuran	5.031	42	413	0.511	ug/l #	44
31) Cyclohexane	5.555	56	3045	1.325	ug/l #	43
36) 1,1-Dichloropropene	5.555	75	10794	4.968	ug/l #	50
38) Carbon Tetrachloride	5.555	117	13996	5.537	ug/l #	14
41) Methacrylonitrile	5.025	41	362	0.271	ug/l #	42
43) Isopropyl Acetate	6.354	43	11625	2.989	ug/l	97
48) Methyl methacrylate	7.604	41	4139	2.260	ug/l #	12
49) 1,4-Dioxane	7.799	88	42	1.051	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	43322	17.017	ug/l #	51
52) Toluene	8.720	92	1070	0.259	ug/l	97
54) cis-1,3-Dichloropropene	8.555	75	18816	7.198	ug/l #	63
57) 1,3-Dichloropropane	9.488	76	8258	2.843	ug/l #	43
59) 2-Hexanone	9.488	43	114680	59.454	ug/l #	52
68) m/p-Xylenes	10.305	106	2026	0.665	ug/l	89
69) o-Xylene	10.646	106	781	0.260	ug/l	95
76) 1,2,3-Trichloropropane	11.085	75	50109	23.491	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	2785	0.497	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.085	75	50109	72.829	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.756	105	2426	0.433	ug/l	91
95) Naphthalene	13.780	128	1032	2.566	ug/l #	90

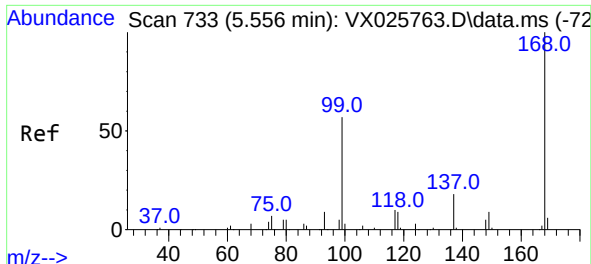
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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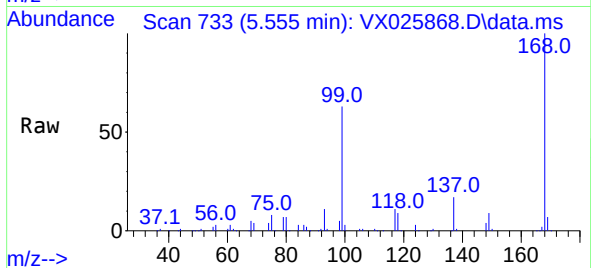
Quant Time: Dec 17 02:37:20 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 14 07:02:11 2021
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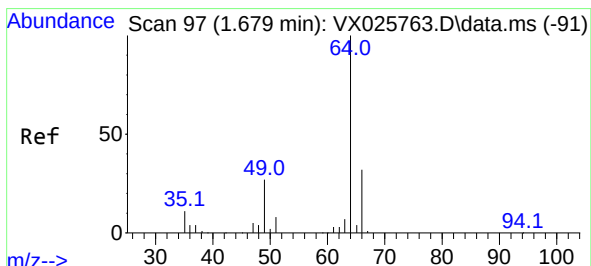
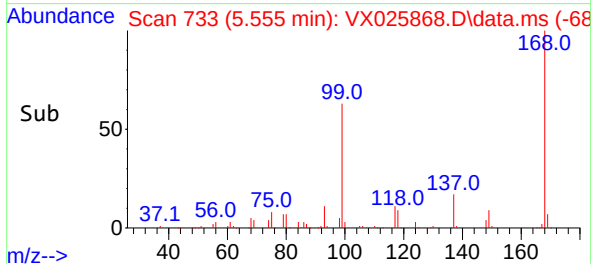
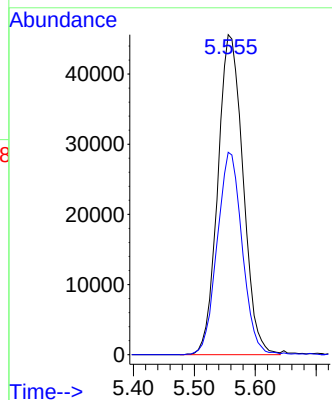


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14

Instrument :
MSVOA_X
ClientSampleId :

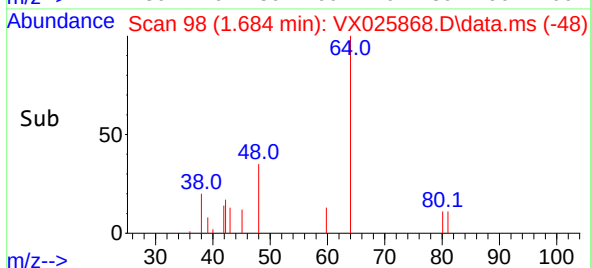
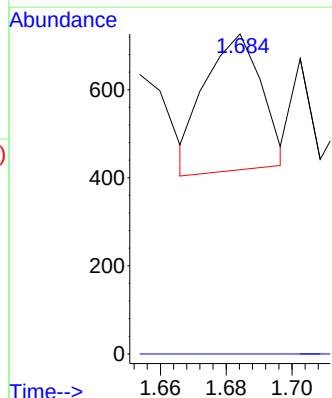
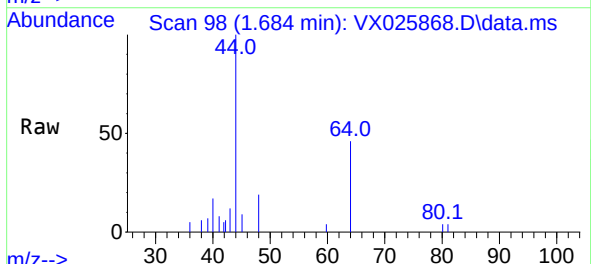


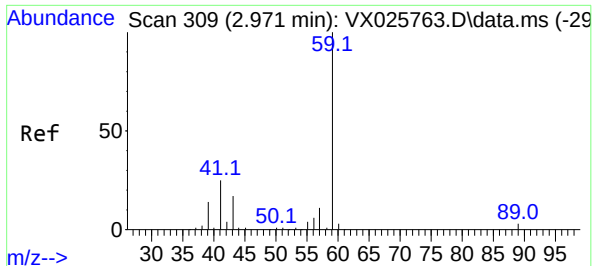
Tgt Ion:168 Resp: 131383
Ion Ratio Lower Upper
168 100
99 63.3 45.8 68.8



#6
Chloroethane
Concen: 0.315 ug/l
RT: 1.684 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14

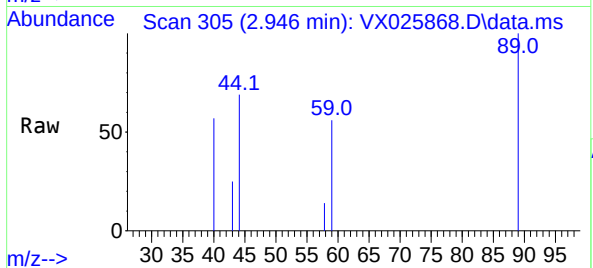
Tgt Ion: 64 Resp: 371
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



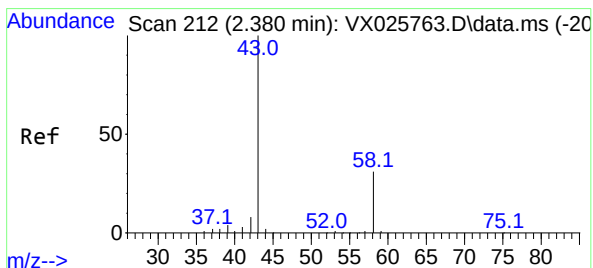
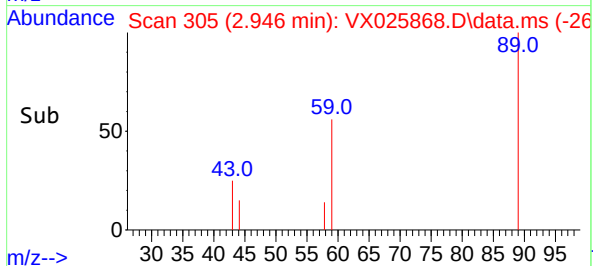
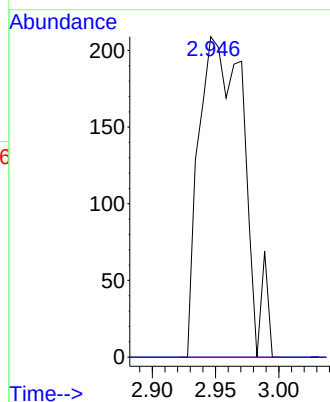


#11
Tert butyl alcohol
Concen: 1.363 ug/l
RT: 2.946 min Scan# 309
Delta R.T. -0.025 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14

Instrument :
MSVOA_X
ClientSampleId :

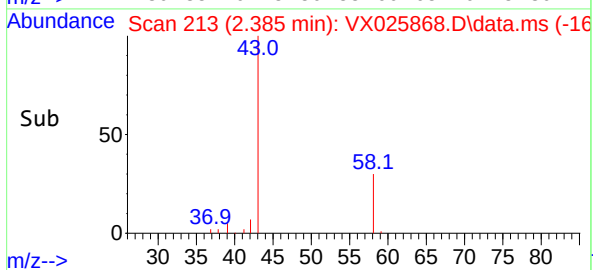
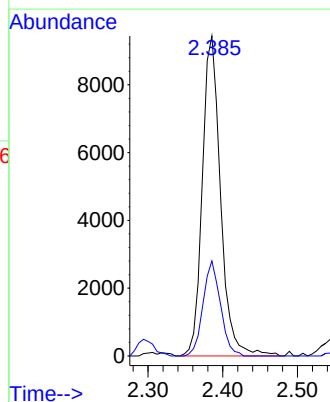
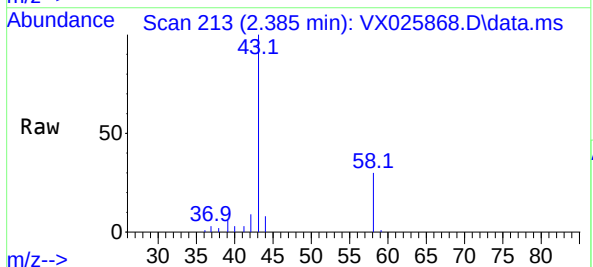


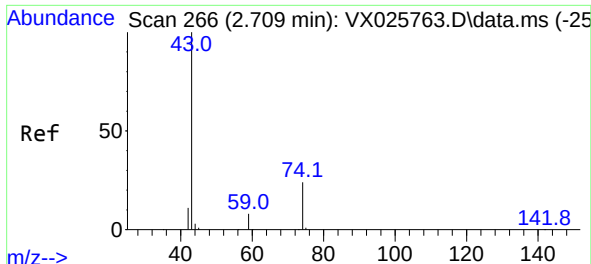
Tgt Ion: 59 Resp: 517
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: Below Cal
RT: 2.385 min Scan# 213
Delta R.T. 0.005 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14

Tgt Ion: 43 Resp: 16014
Ion Ratio Lower Upper
43 100
58 29.7 24.8 37.2





#18

Methyl Acetate

Concen: 0.395 ug/l

RT: 2.708 min Scan# 2

Delta R.T. -0.001 min

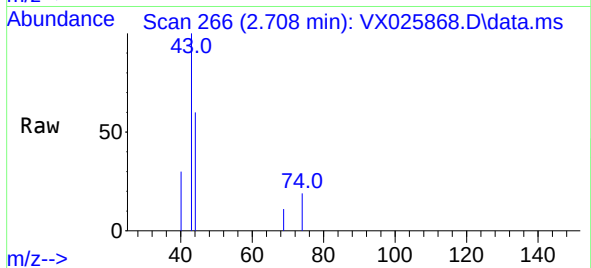
Lab File: VX025868.D

Acq: 16 Dec 2021 20:14

Instrument :

MSVOA_X

ClientSampleId :

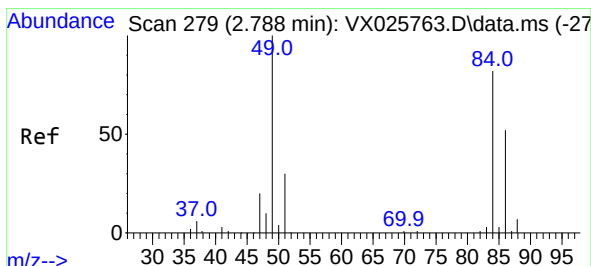
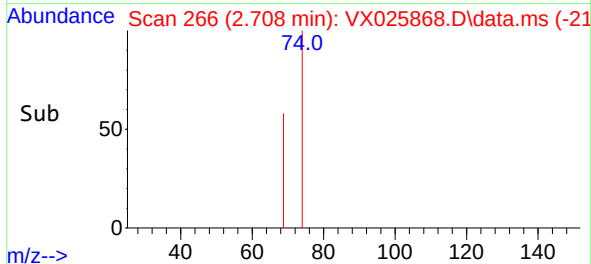
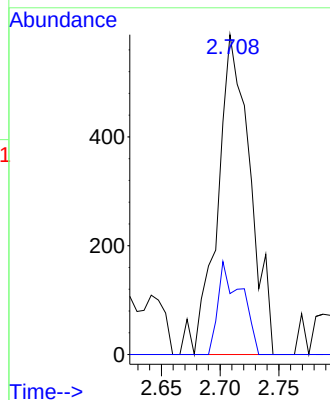


Tgt Ion: 43 Resp: 1139

Ion Ratio Lower Upper

43 100

74 20.6 19.1 28.7



#20

Methylene Chloride

Concen: 3.529 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX025868.D

Acq: 16 Dec 2021 20:14

Tgt Ion: 84 Resp: 9342

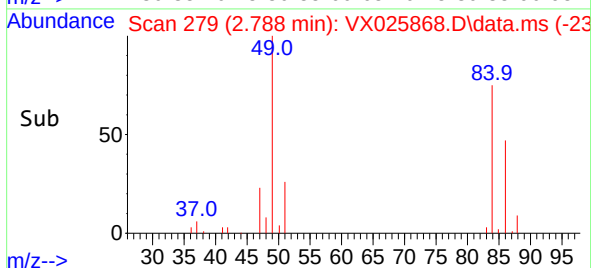
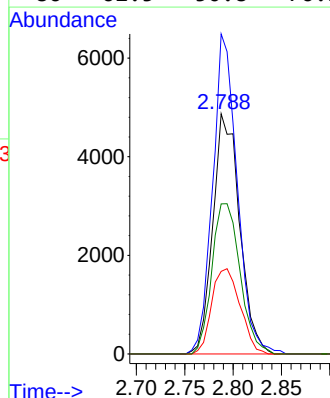
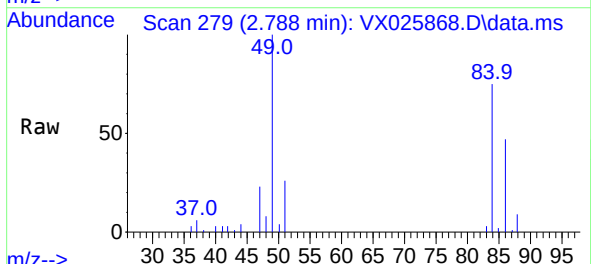
Ion Ratio Lower Upper

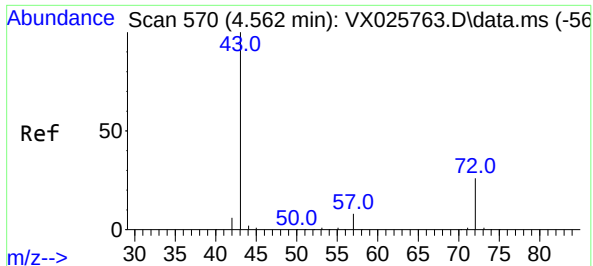
84 100

49 133.2 97.1 145.7

51 34.3 29.3 43.9

86 62.5 50.8 76.2





#25

2-Butanone

Concen: 1.877 ug/l

RT: 4.586 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX025868.D

Acq: 16 Dec 2021 20:14

Instrument :

MSVOA_X

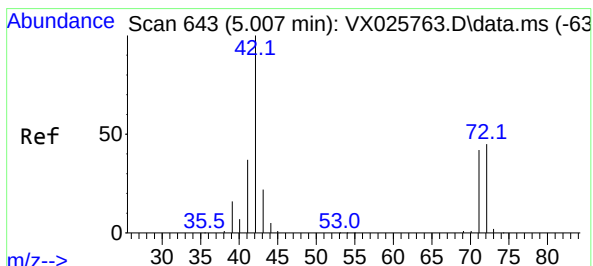
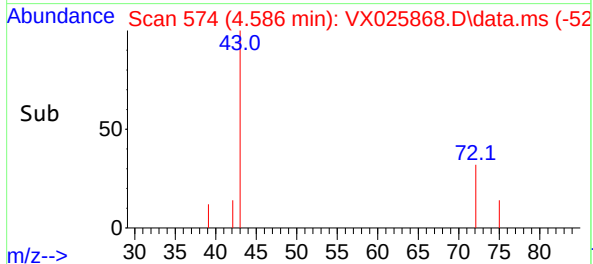
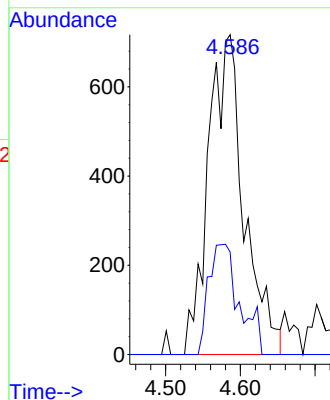
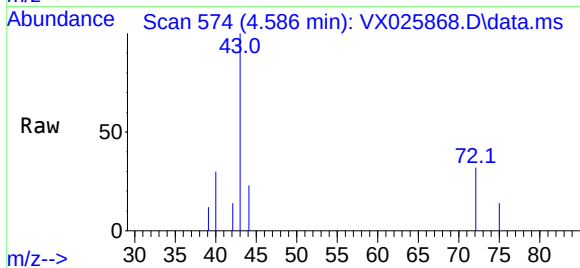
ClientSampleId :

Tgt Ion: 43 Resp: 2386

Ion Ratio Lower Upper

43 100

72 32.1 21.0 31.4#



#29

Tetrahydrofuran

Concen: 0.511 ug/l

RT: 5.031 min Scan# 647

Delta R.T. 0.024 min

Lab File: VX025868.D

Acq: 16 Dec 2021 20:14

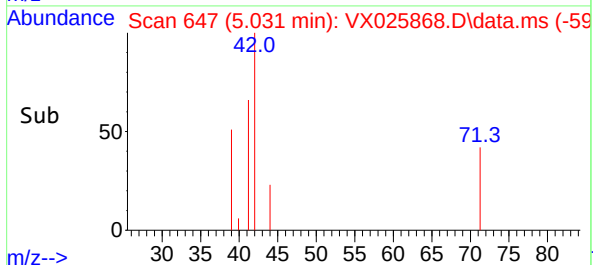
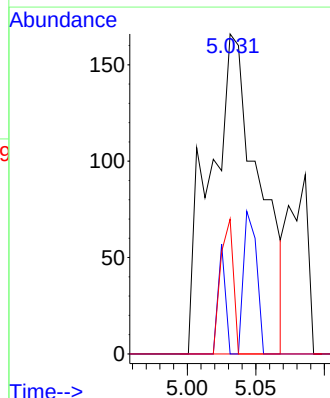
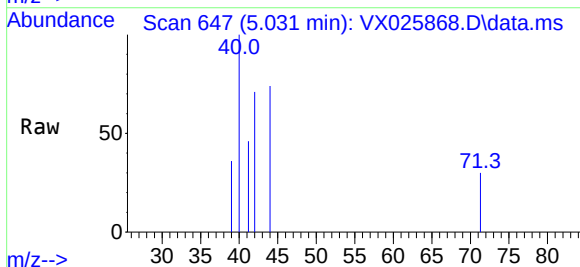
Tgt Ion: 42 Resp: 413

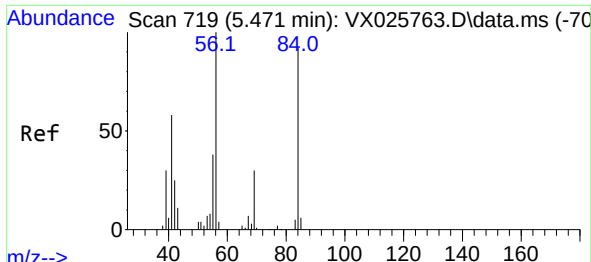
Ion Ratio Lower Upper

42 100

72 5.1 37.0 55.6#

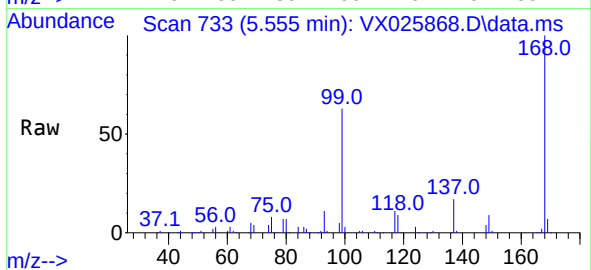
71 10.9 34.1 51.1#



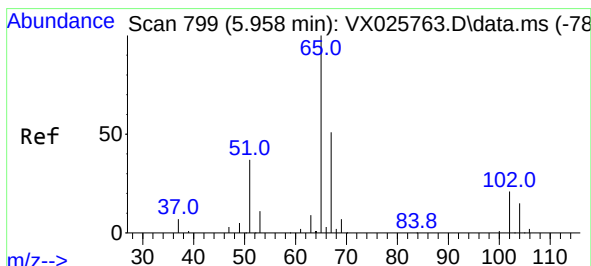
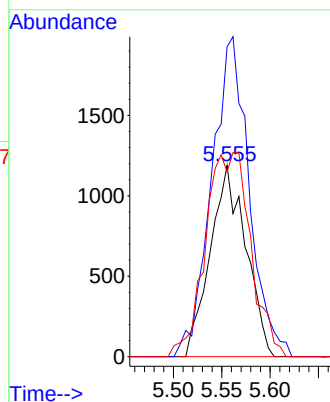
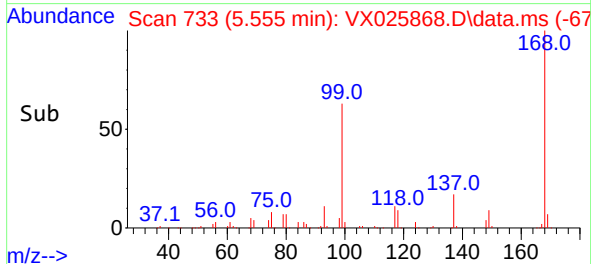


#31
Cyclohexane
Concen: 1.325 ug/l
RT: 5.555 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14

Instrument :
MSVOA_X
ClientSampleId :

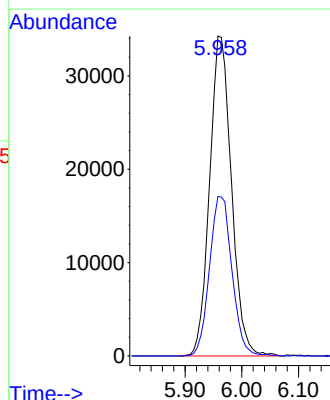
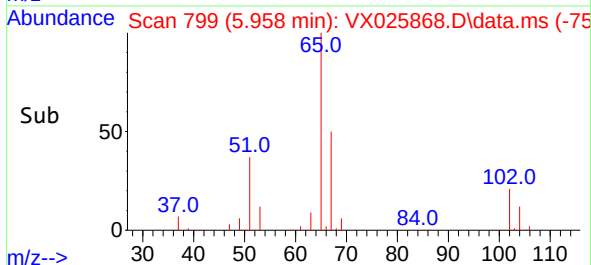
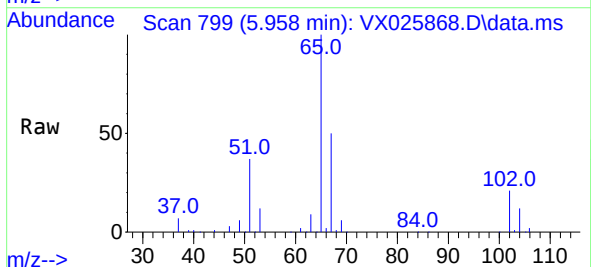


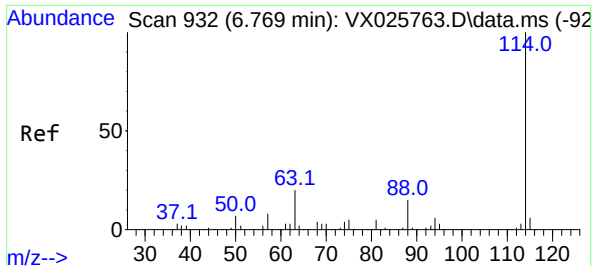
Tgt Ion: 56 Resp: 3045
Ion Ratio Lower Upper
56 100
69 155.9 23.9 35.9#
84 91.3 73.2 109.8



#33
1,2-Dichloroethane-d4
Concen: 48.511 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.001 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14

Tgt Ion: 65 Resp: 91704
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.4

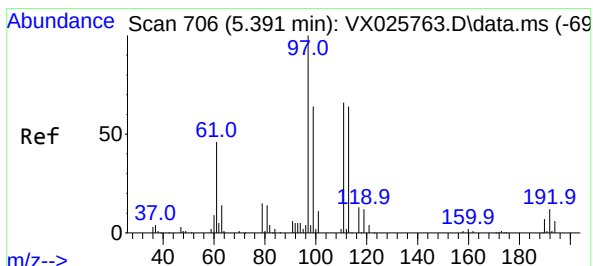
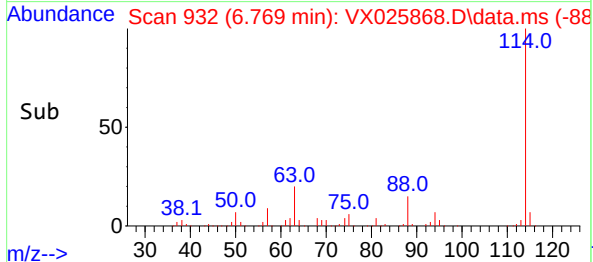
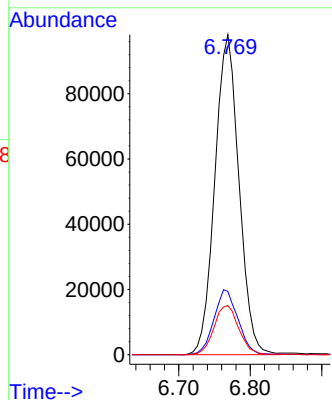
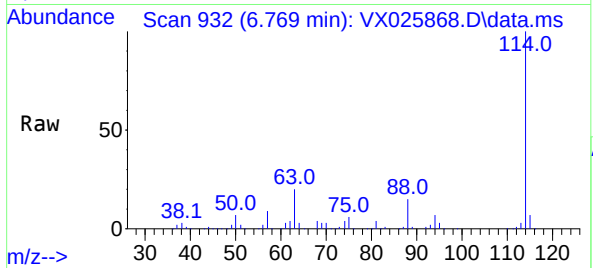




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14

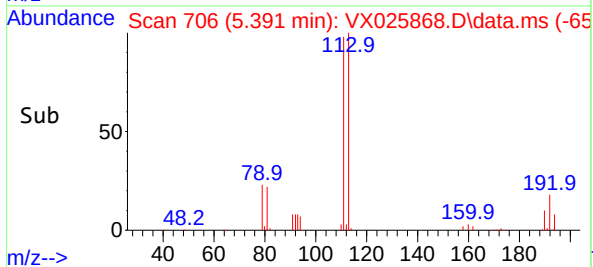
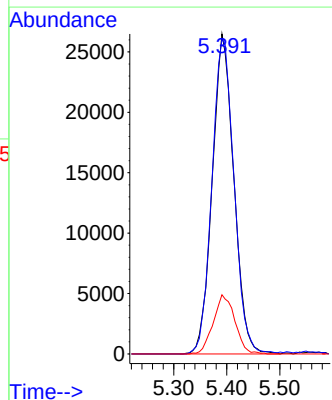
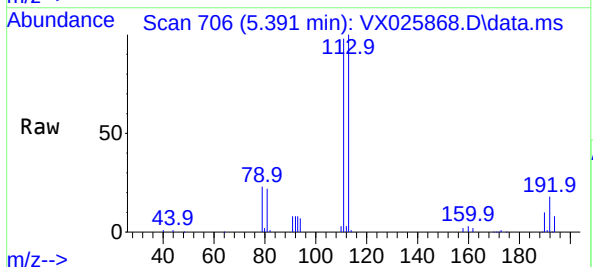
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MSVOA_X
ClientSampleId :

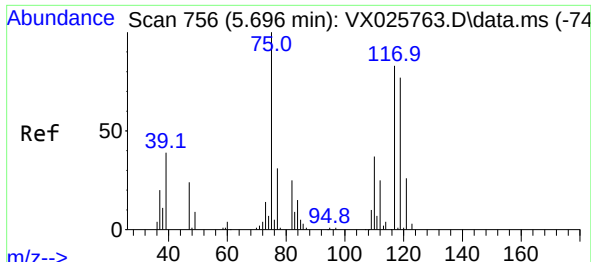
Tgt Ion:114 Resp: 229720
Ion Ratio Lower Upper
114 100
63 19.7 0.0 40.0
88 15.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 46.691 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.001 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14

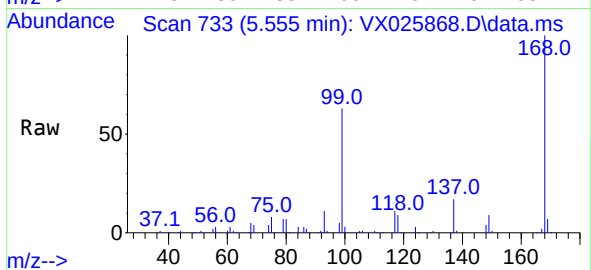
Tgt Ion:113 Resp: 74803
Ion Ratio Lower Upper
113 100
111 101.0 81.8 122.8
192 18.5 15.0 22.4



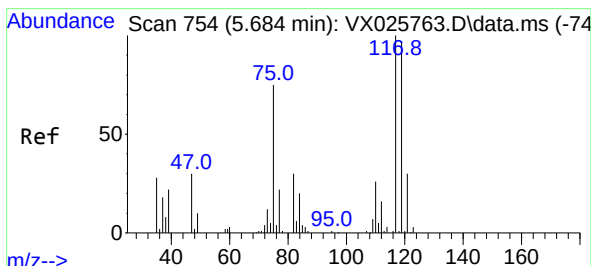
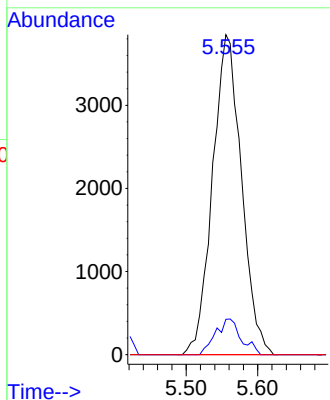
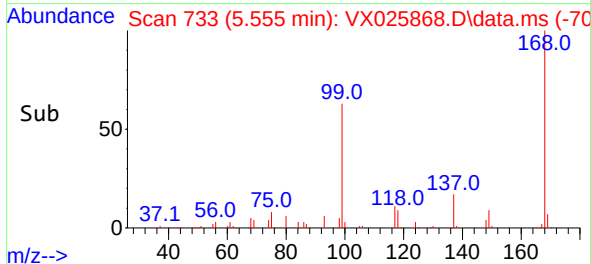


#36
1,1-Dichloropropene
Concen: 4.968 ug/l
RT: 5.555 min Scan# 713
Delta R.T. -0.141 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14

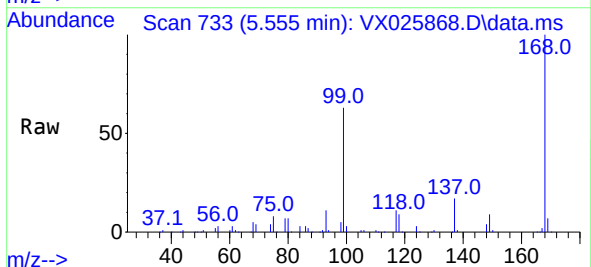
Instrument :
MSVOA_X
ClientSampleId :



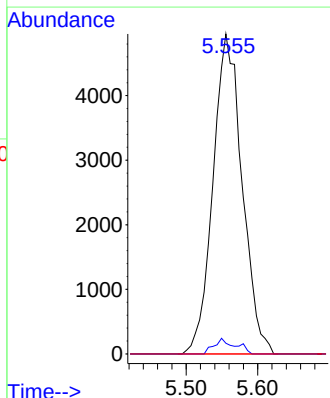
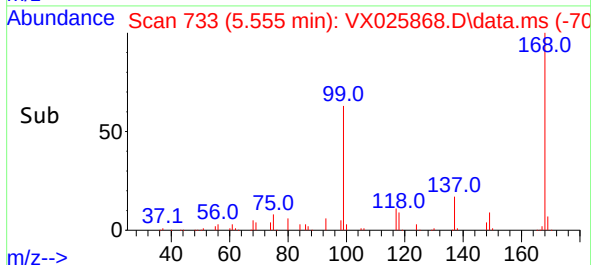
Tgt Ion: 75 Resp: 10794
Ion Ratio Lower Upper
75 100
110 9.8 18.2 54.6#
77 0.0 24.7 37.1#

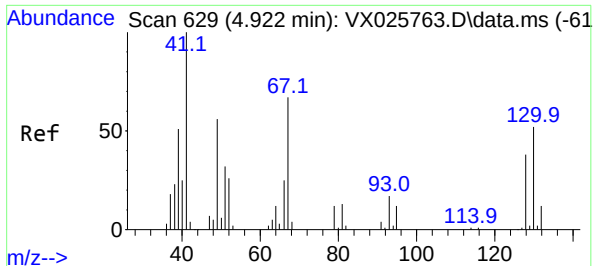


#38
Carbon Tetrachloride
Concen: 5.537 ug/l
RT: 5.555 min Scan# 733
Delta R.T. -0.129 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14



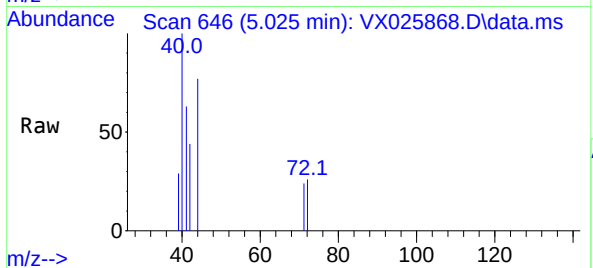
Tgt Ion: 117 Resp: 13996
Ion Ratio Lower Upper
117 100
119 3.4 77.2 115.8#
121 0.0 23.8 35.8#





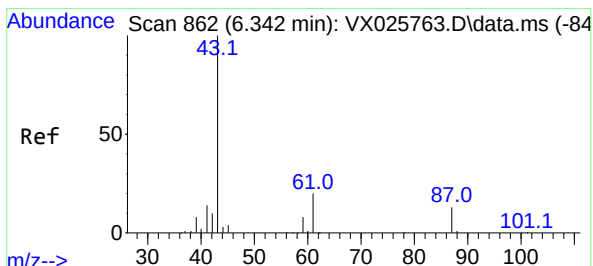
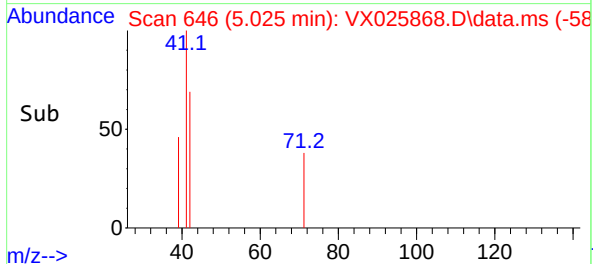
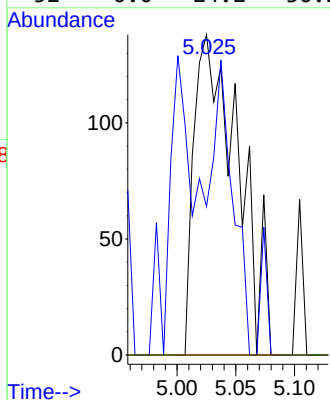
#41
Methacrylonitrile
Concen: 0.271 ug/l
RT: 5.025 min Scan# 641
Delta R.T. 0.103 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 41 Resp: 362

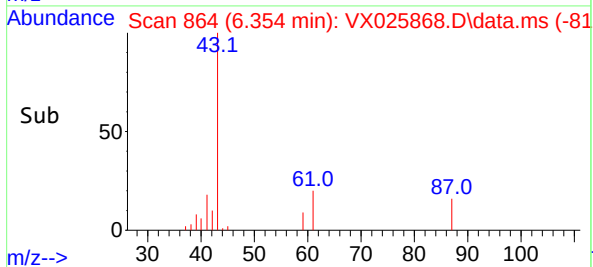
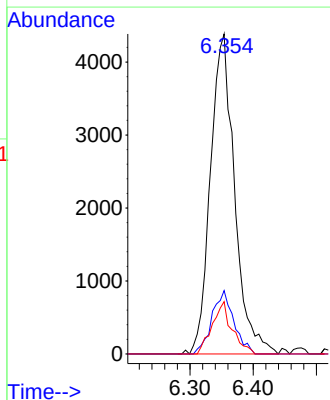
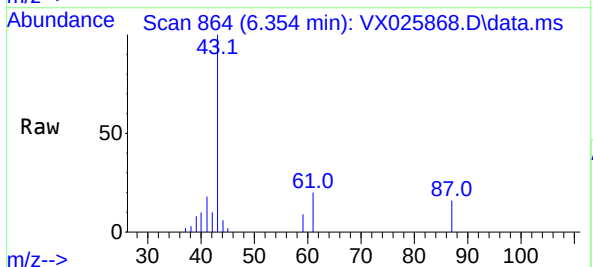
Ion	Ratio	Lower	Upper
41	100		
39	41.2	44.2	66.2#
67	0.0	59.7	89.5#
52	0.0	24.2	36.2#

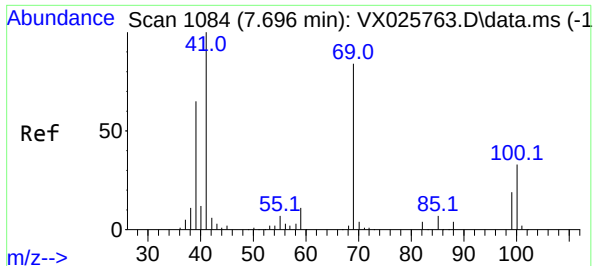


#43
Isopropyl Acetate
Concen: 2.989 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.012 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14

Tgt Ion: 43 Resp: 11625

Ion	Ratio	Lower	Upper
43	100		
61	17.9	15.7	23.5
87	13.5	11.2	16.8





#48

Methyl methacrylate

Concen: 2.260 ug/l

RT: 7.604 min Scan# 1101

Delta R.T. -0.092 min

Lab File: VX025868.D

Acq: 16 Dec 2021 20:14

Instrument :

MSVOA_X

ClientSampleId :

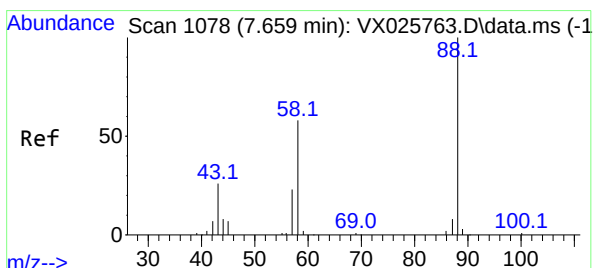
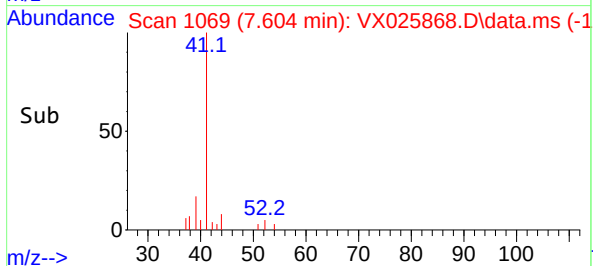
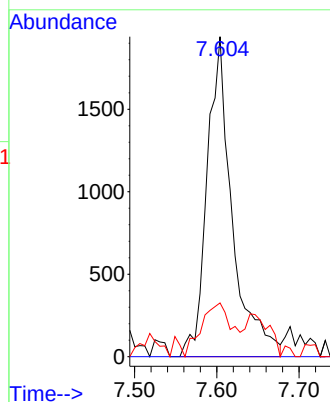
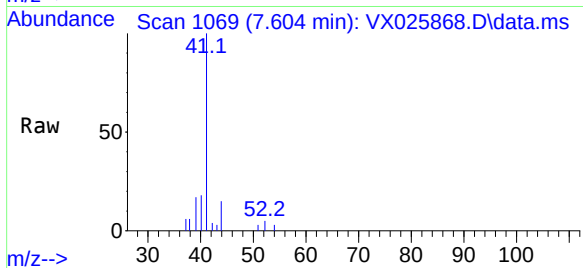
Tgt Ion: 41 Resp: 4139

Ion Ratio Lower Upper

41 100

69 0.0 67.3 100.9#

39 0.0 50.2 75.2#



#49

1,4-Dioxane

Concen: 1.051 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX025868.D

Acq: 16 Dec 2021 20:14

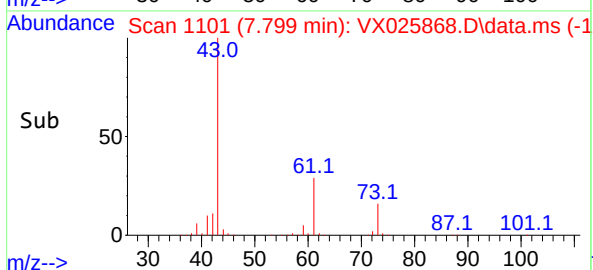
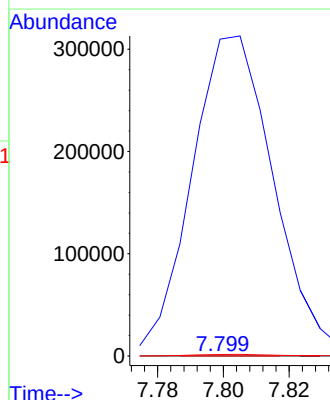
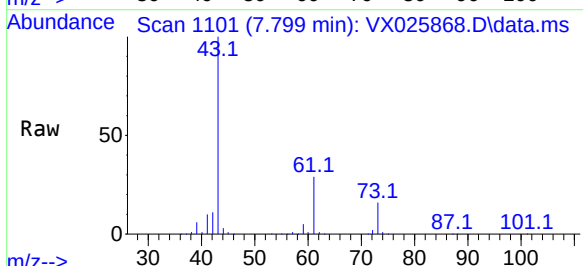
Tgt Ion: 88 Resp: 42

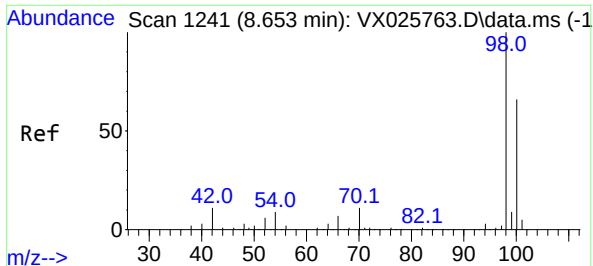
Ion Ratio Lower Upper

88 100

43 1319357.1 25.3 37.9#

58 6257.1 51.8 77.6#

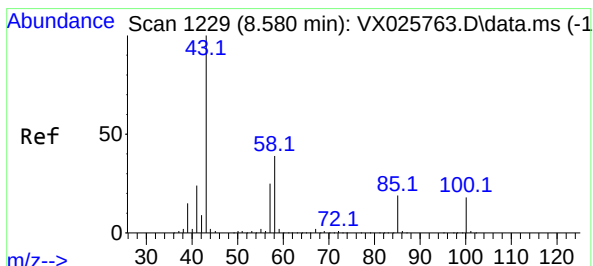
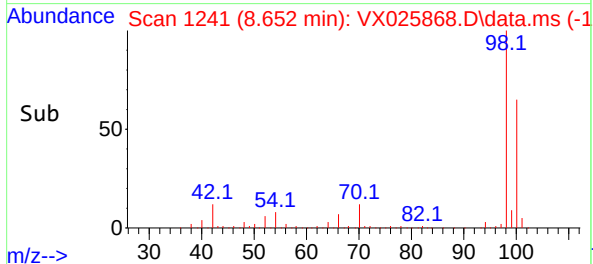
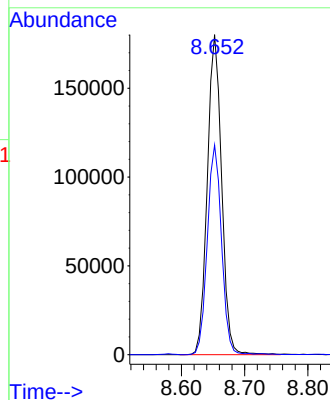
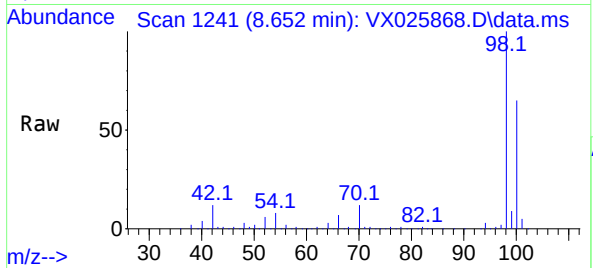




#50
Toluene-d8
Concen: 48.681 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. -0.001 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14

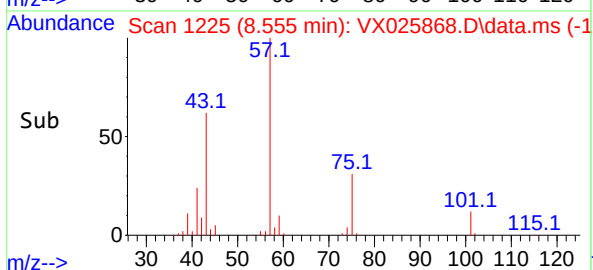
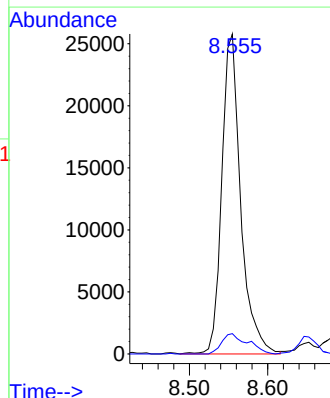
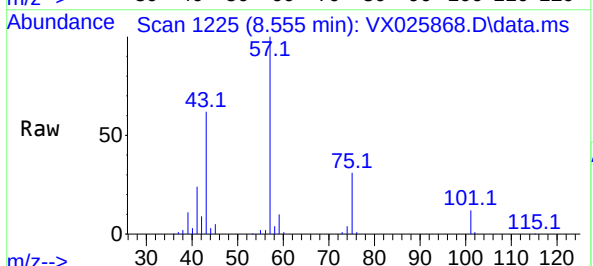
Instrument :
MSVOA_X
ClientSampleId :

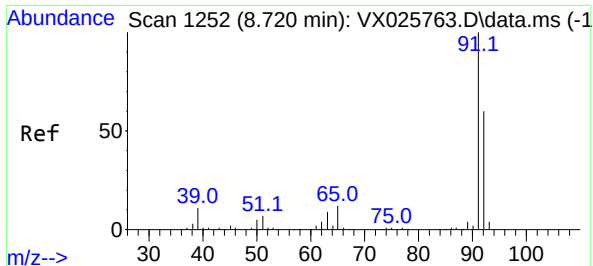
Tgt Ion: 98 Resp: 284164
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 17.017 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14

Tgt Ion: 43 Resp: 43322
Ion Ratio Lower Upper
43 100
58 8.7 30.8 46.2#

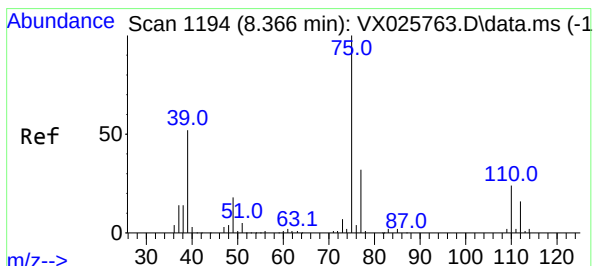
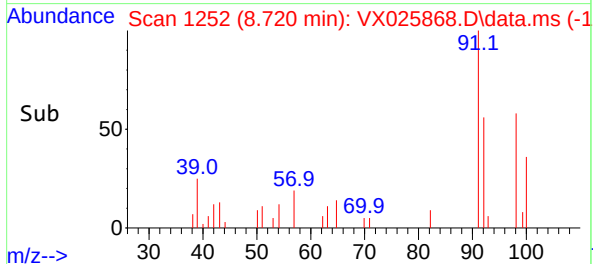
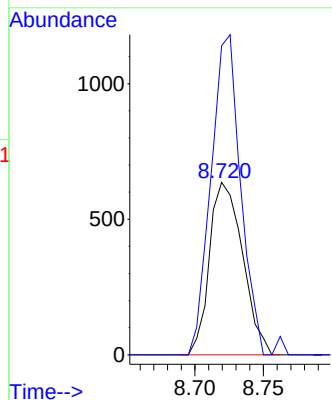
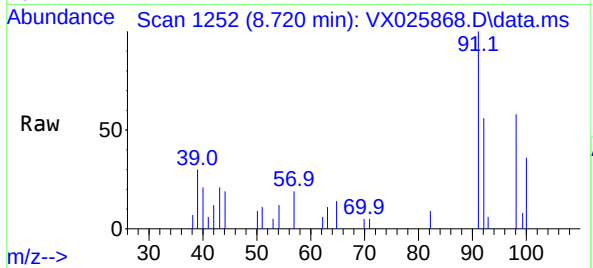




#52
Toluene
Concen: 0.259 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.001 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14

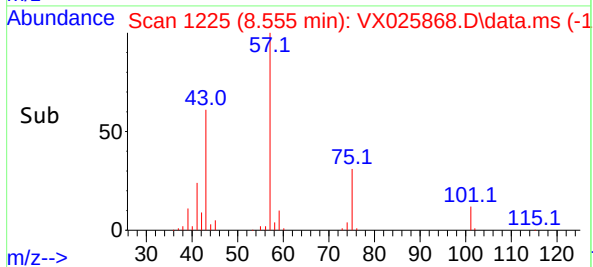
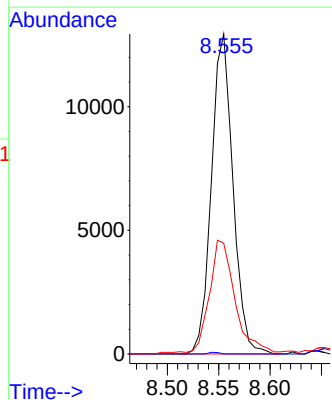
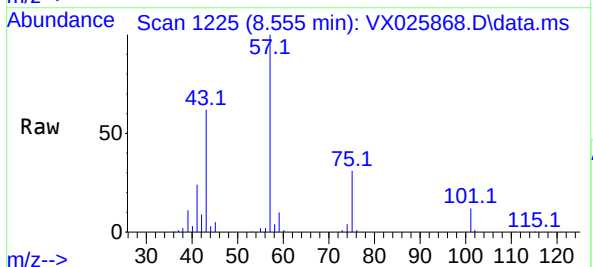
Instrument :
MSVOA_X
ClientSampleId :

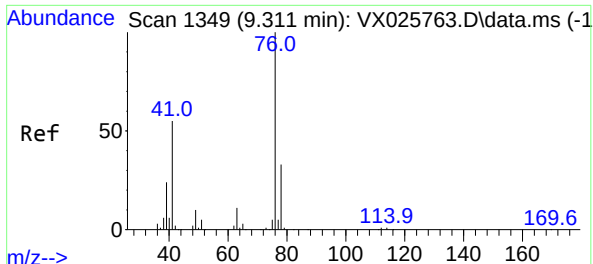
Tgt Ion: 92 Resp: 1070
Ion Ratio Lower Upper
92 100
91 165.7 136.0 204.0



#54
cis-1,3-Dichloropropene
Concen: 7.198 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.188 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14

Tgt Ion: 75 Resp: 18816
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 33.9 41.4 62.0#

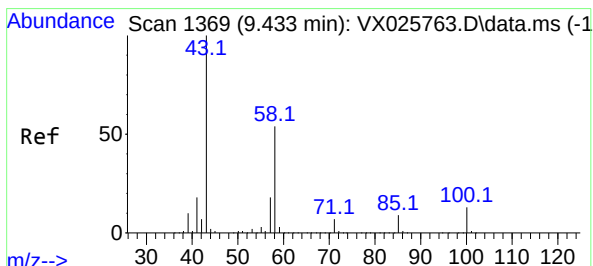
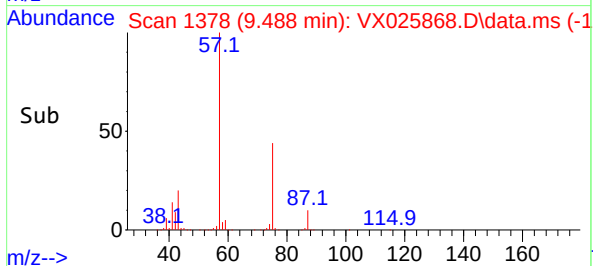
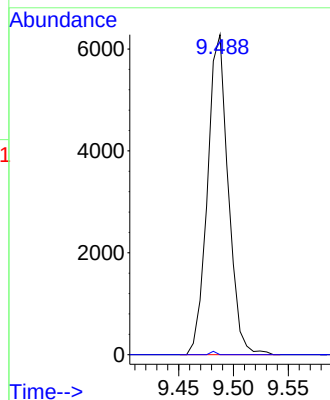
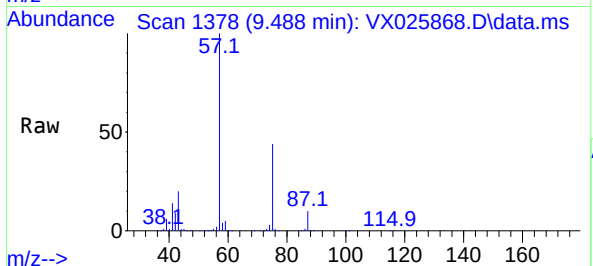




#57
1,3-Dichloropropane
Concen: 2.843 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.176 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14

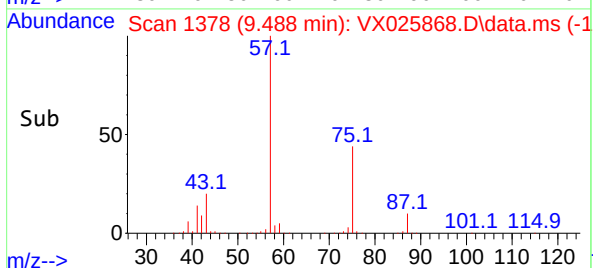
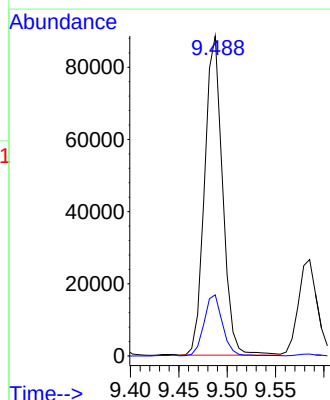
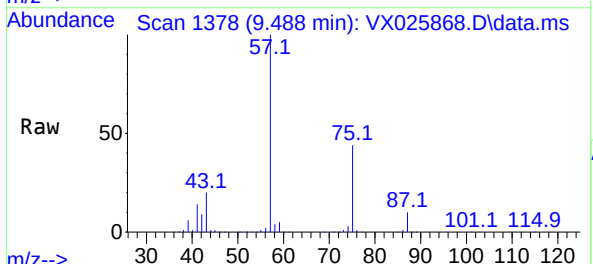
Instrument :
MSVOA_X
ClientSampleId :

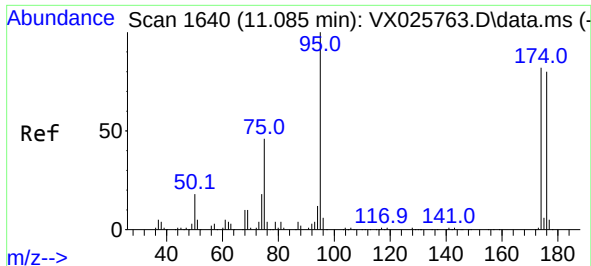
Tgt Ion: 76 Resp: 8258
Ion Ratio Lower Upper
76 100
78 0.3 26.0 39.0#



#59
2-Hexanone
Concen: 59.454 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.054 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14

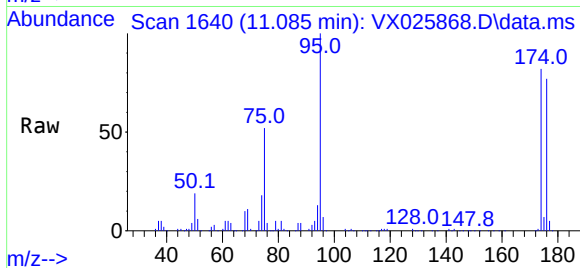
Tgt Ion: 43 Resp: 114680
Ion Ratio Lower Upper
43 100
58 19.7 26.9 80.6#



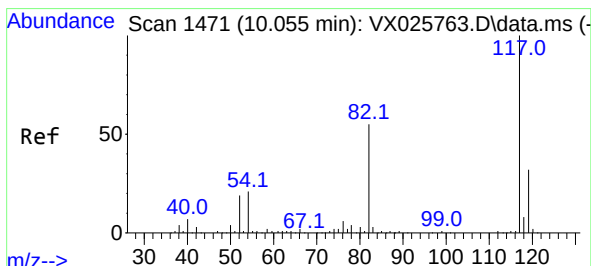
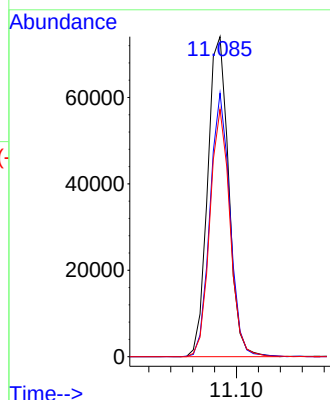
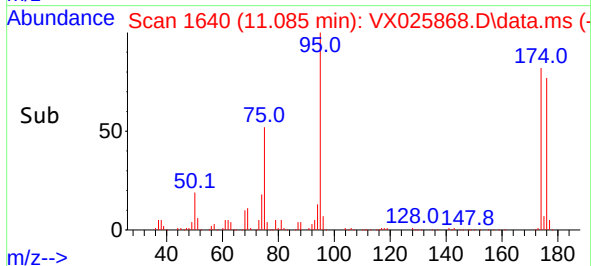


#62
4-Bromofluorobenzene
Concen: 44.405 ug/l
RT: 11.085 min Scan# 11
Delta R.T. -0.001 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14

Instrument :
MSVOA_X
ClientSampleId :

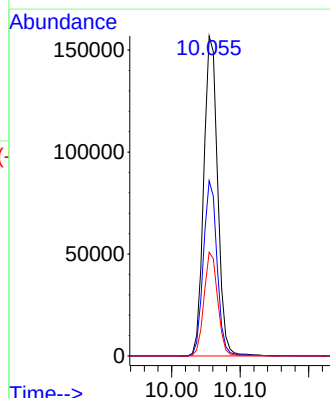
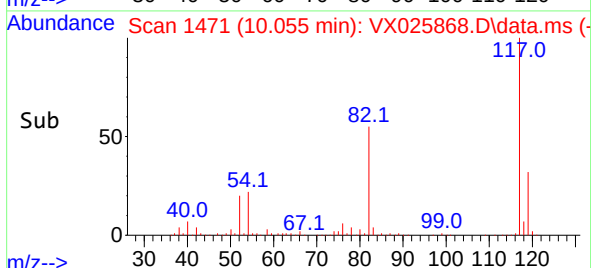
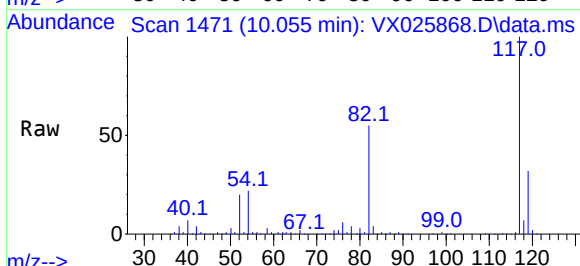


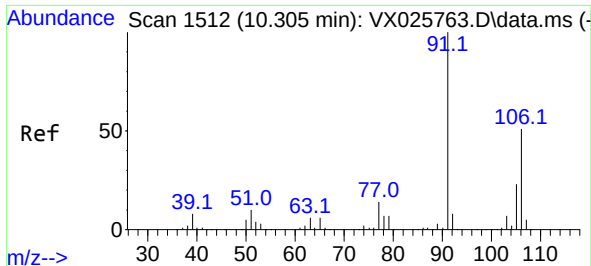
Tgt Ion: 95 Resp: 98461
Ion Ratio Lower Upper
95 100
174 78.5 0.0 157.4
176 74.0 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.001 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14

Tgt Ion: 117 Resp: 222230
Ion Ratio Lower Upper
117 100
82 54.7 43.8 65.6
119 32.4 25.2 37.8

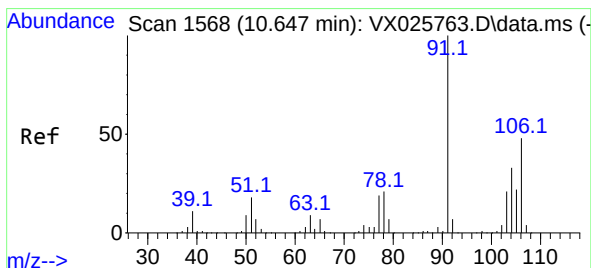
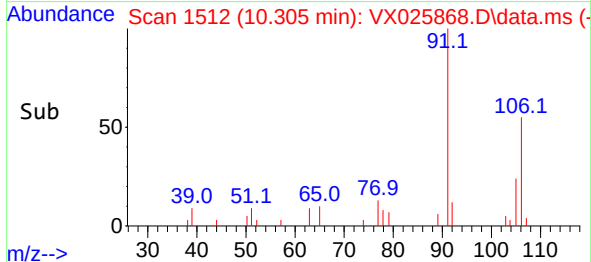
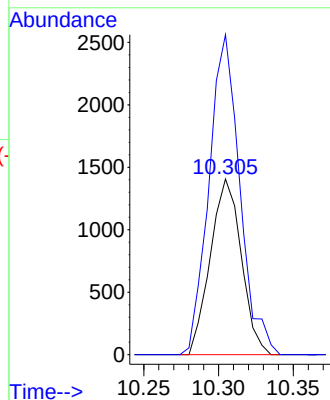
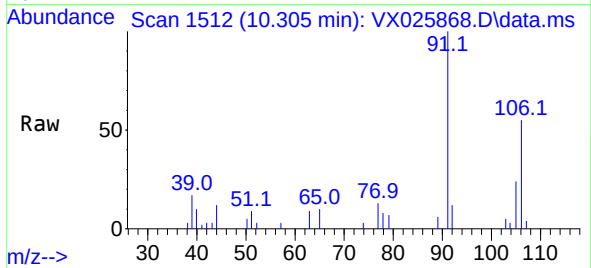




#68
m/p-Xylenes
Concen: 0.665 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.001 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14

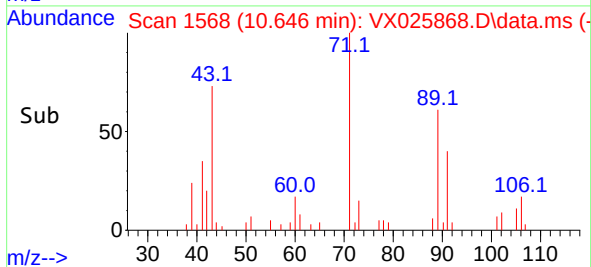
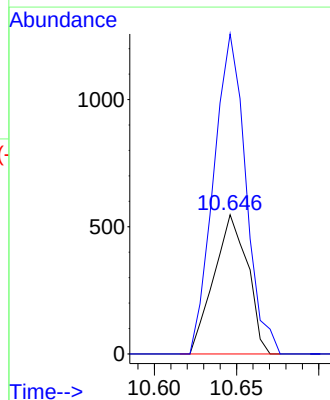
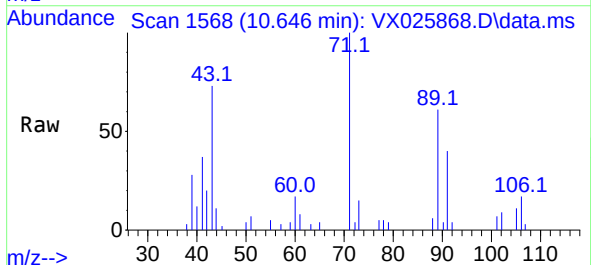
Instrument :
MSVOA_X
ClientSampleId :

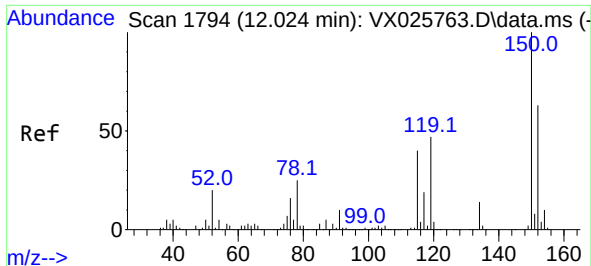
Tgt Ion:106 Resp: 2026
Ion Ratio Lower Upper
106 100
91 181.2 158.6 238.0



#69
o-Xylene
Concen: 0.260 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. -0.001 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14

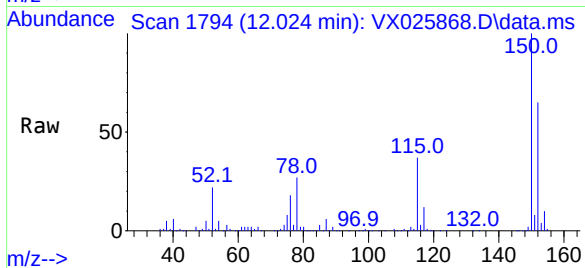
Tgt Ion:106 Resp: 781
Ion Ratio Lower Upper
106 100
91 218.8 105.5 316.4



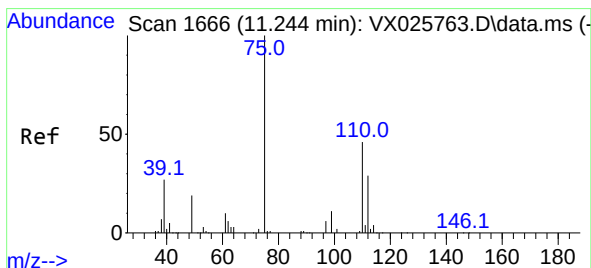
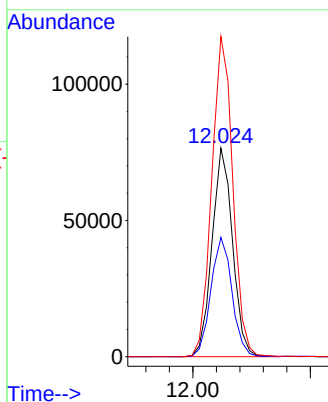
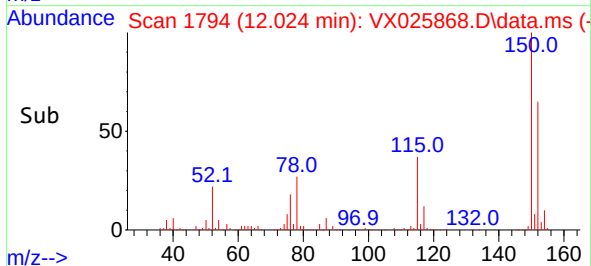


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.001 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14

Instrument :
MSVOA_X
ClientSampleId :

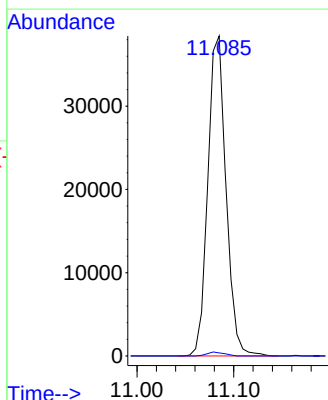
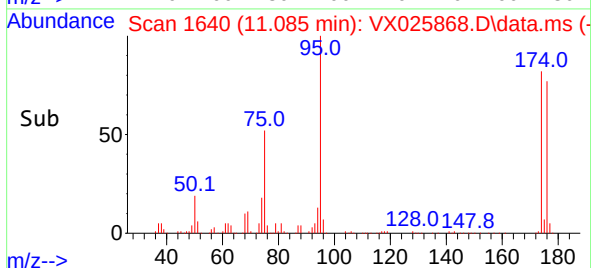
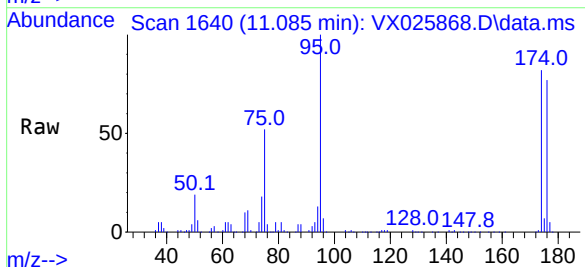


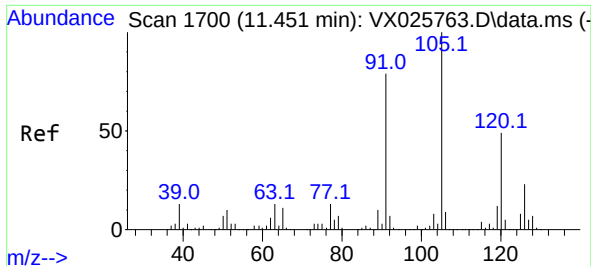
Tgt Ion:152 Resp: 93100
Ion Ratio Lower Upper
152 100
115 58.7 41.3 123.9
150 157.1 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 23.491 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14

Tgt Ion: 75 Resp: 50109
Ion Ratio Lower Upper
75 100
77 1.1 19.0 57.0#

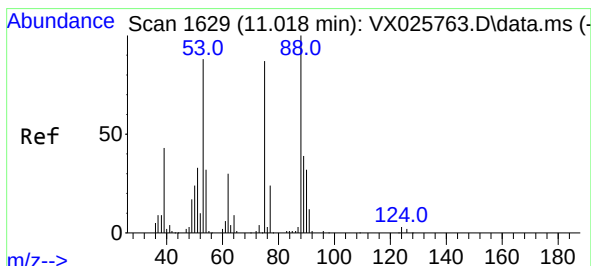
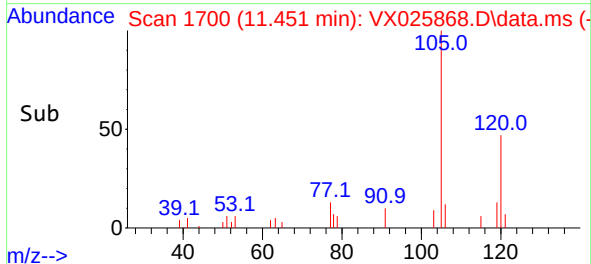
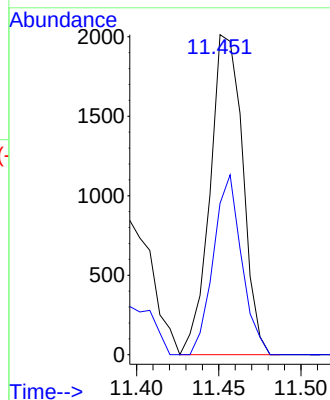
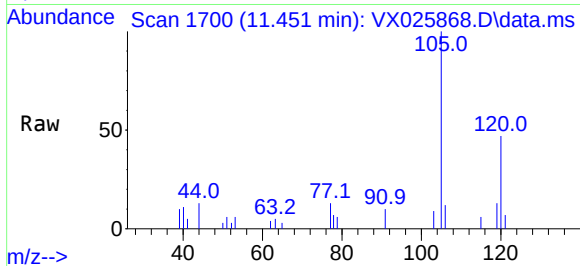




#80
1,3,5-Trimethylbenzene
Concen: 0.497 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.001 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14

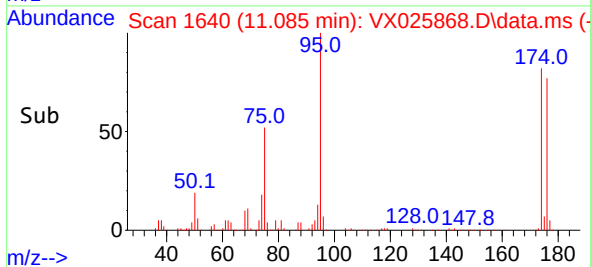
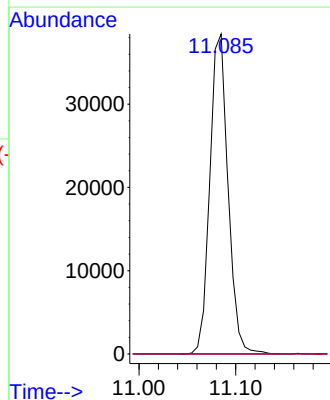
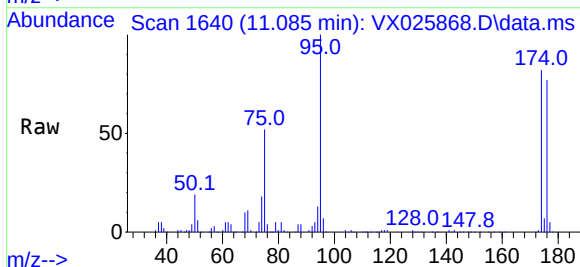
Instrument :
MSVOA_X
ClientSampleId :

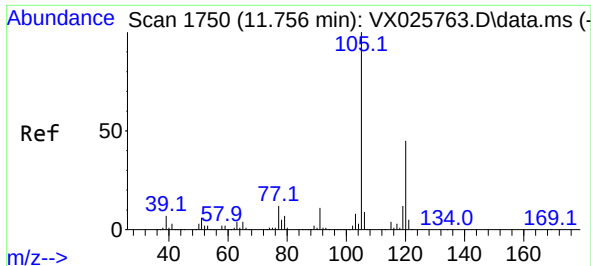
Tgt Ion:105 Resp: 2785
Ion Ratio Lower Upper
105 100
120 48.7 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 72.829 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14

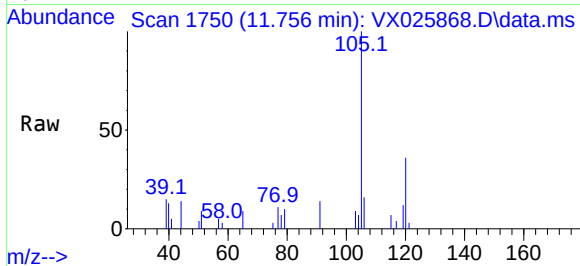
Tgt Ion: 75 Resp: 50109
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#



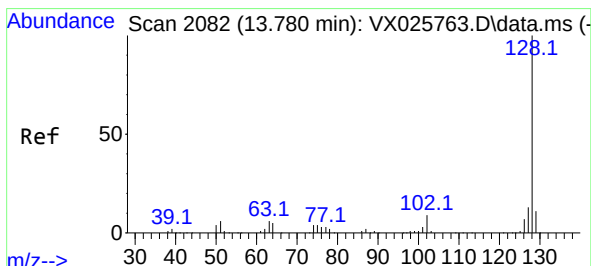
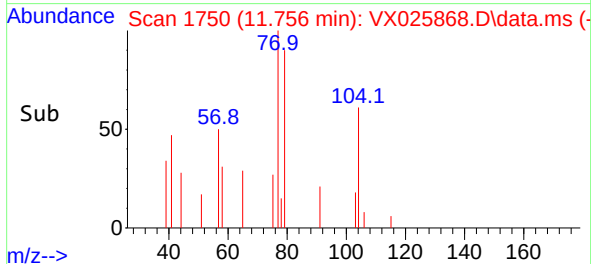
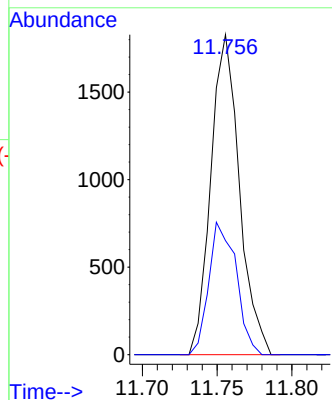


#84
1,2,4-Trimethylbenzene
Concen: 0.433 ug/l
RT: 11.756 min Scan# 11
Delta R.T. -0.001 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:105 Resp: 2426
Ion Ratio Lower Upper
105 100
120 39.7 22.9 68.7



#95
Naphthalene
Concen: 2.566 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX025868.D
Acq: 16 Dec 2021 20:14

Tgt Ion:128 Resp: 1032
Ion Ratio Lower Upper
128 100
127 10.3 10.3 15.5#
129 5.8 8.8 13.2#

