

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102523\
 Data File : VD077411.D
 Acq On : 25 Oct 2023 13:52
 Operator : JC/SY
 Sample : 05011-01RE
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 26 06:59:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

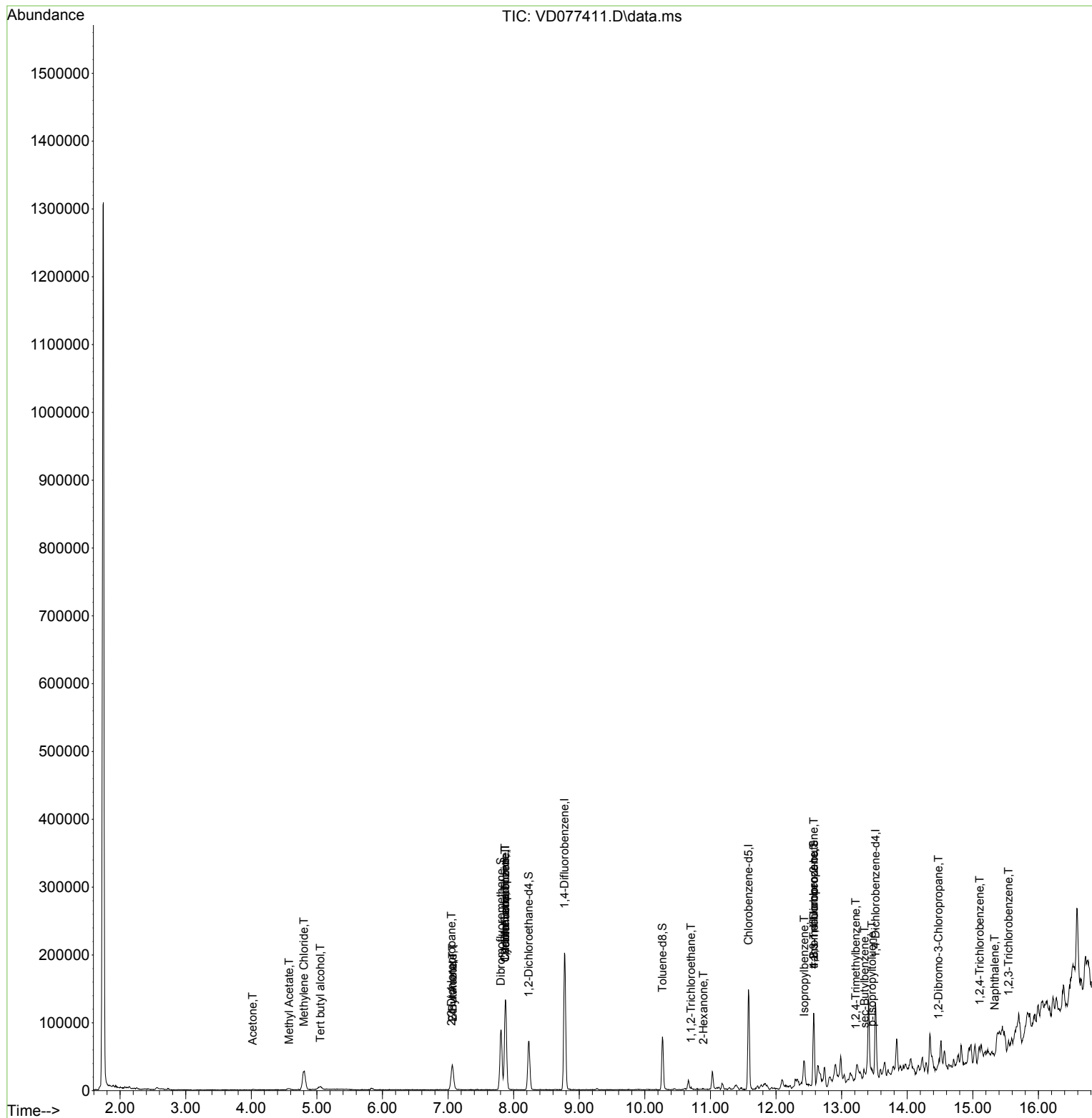
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	109056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	197305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	91445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	32427	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	57251	58.791	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.580%
35) Dibromofluoromethane	7.804	113	65153	47.003	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.000%
50) Toluene-d8	10.269	98	55088	11.097	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	22.200%#
62) 4-Bromofluorobenzene	12.575	95	27439	19.202	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	38.400%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.051	59	8478	154.764	ug/l #	94
16) Acetone	4.022	43	1274	5.966	ug/l	97
18) Methyl Acetate	4.575	43	3850	5.180	ug/l	99
20) Methylene Chloride	4.804	84	23224	14.590	ug/l	90
25) 2-Butanone	7.069	43	1969	8.889	ug/l #	37
26) 2,2-Dichloropropane	7.051	77	2770	1.562	ug/l #	49
31) Cyclohexane	7.869	56	2511	1.657	ug/l #	78
36) 1,1-Dichloropropene	7.869	75	8539	4.688	ug/l #	48
37) Ethyl Acetate	7.069	43	1969	3.442	ug/l #	1
38) Carbon Tetrachloride	7.869	117	10264	5.066	ug/l #	14
55) 1,1,2-Trichloroethane	10.704	97	1219	1.105	ug/l #	16
59) 2-Hexanone	10.892	43	586	1.580	ug/l #	16
73) Isopropylbenzene	12.427	105	2802	1.306	ug/l	89
76) 1,2,3-Trichloropropane	12.575	75	13533	31.796	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	13533	111.827	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.216	105	2585	1.451	ug/l	72
85) sec-Butylbenzene	13.351	105	2929	1.240	ug/l	87
86) p-Isopropyltoluene	13.463	119	4044	1.971	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	14.474	75	54	1.132	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.104	180	742	1.190	ug/l #	49
95) Naphthalene	15.333	128	1672	1.588	ug/l #	65
96) 1,2,3-Trichlorobenzene	15.545	180	1505	2.780	ug/l #	13

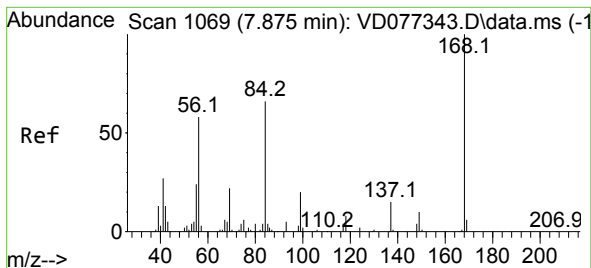
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102523\
Data File : VD077411.D
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Quant Time: Oct 26 06:59:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 18 03:02:43 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD077411.D

Acq: 25 Oct 2023 13:52

Instrument :

MSVOA_D

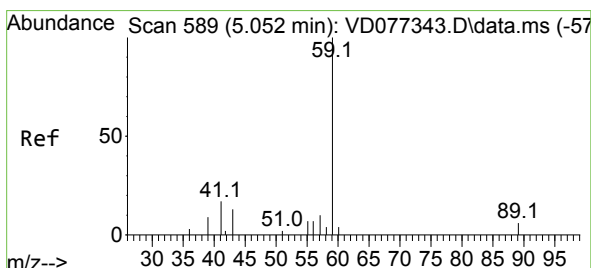
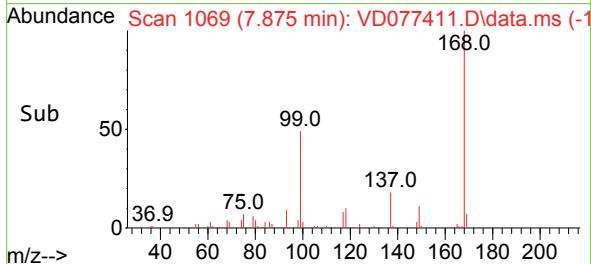
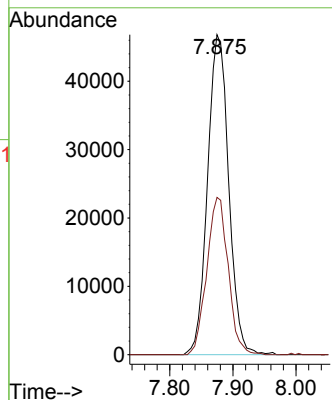
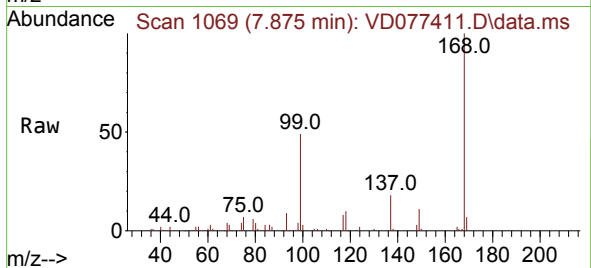
ClientSampleId :

Tgt Ion:168 Resp: 109056

Ion Ratio Lower Upper

168 100

99 49.1 36.7 55.1



#11

Tert butyl alcohol

Concen: 154.764 ug/l

RT: 5.051 min Scan# 589

Delta R.T. -0.001 min

Lab File: VD077411.D

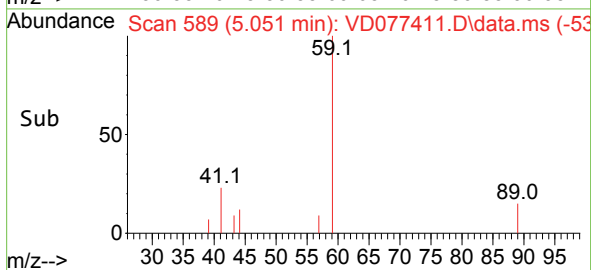
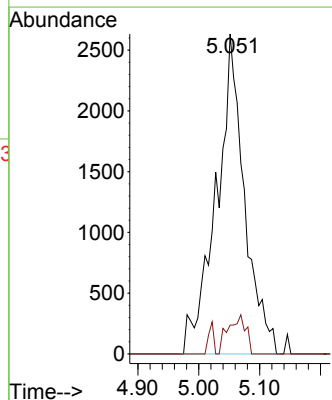
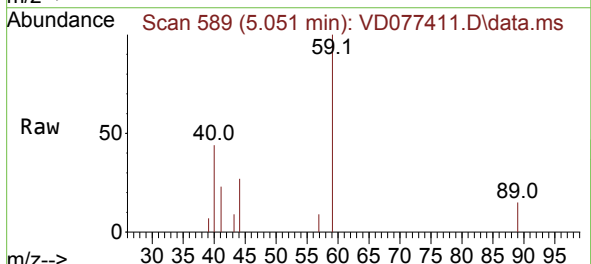
Acq: 25 Oct 2023 13:52

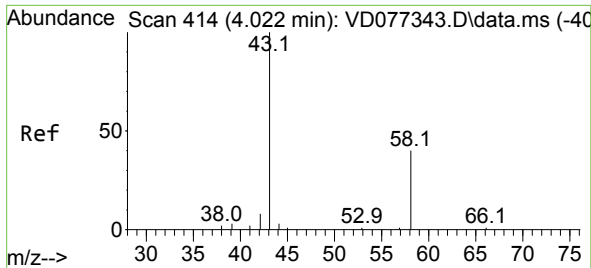
Tgt Ion: 59 Resp: 8478

Ion Ratio Lower Upper

59 100

57 7.7 7.8 11.8#

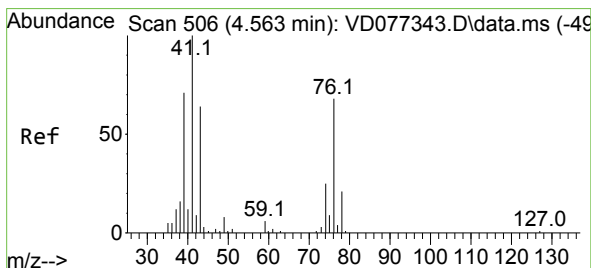
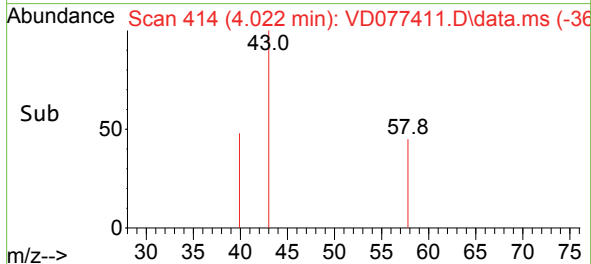
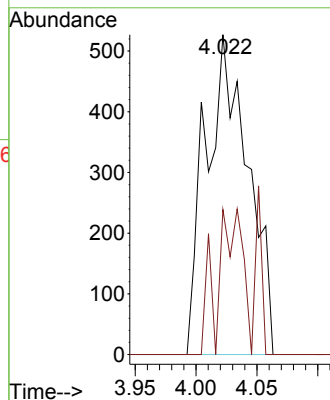
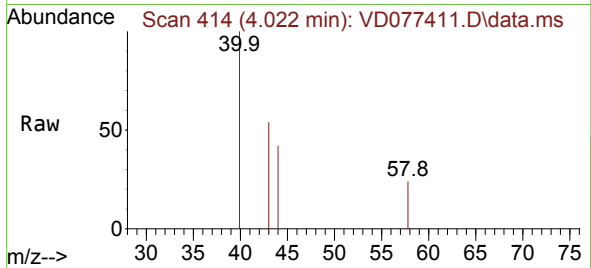




#16
Acetone
Concen: 5.966 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077411.D
Acq: 25 Oct 2023 13:52

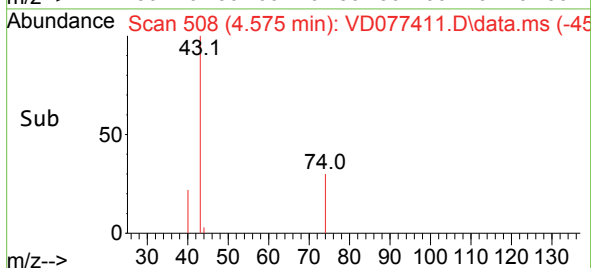
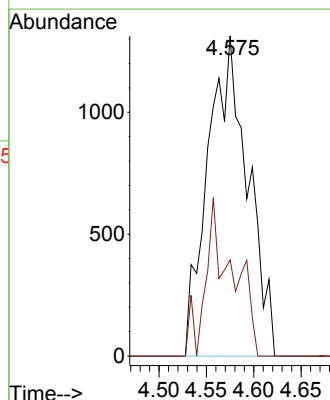
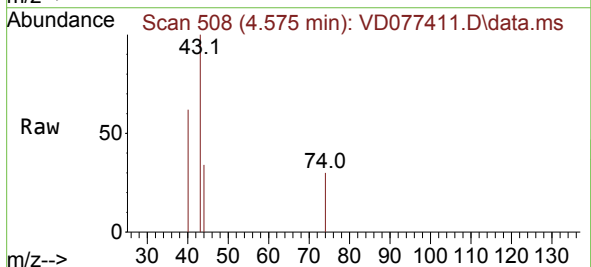
Instrument :
MSVOA_D
ClientSampleId :

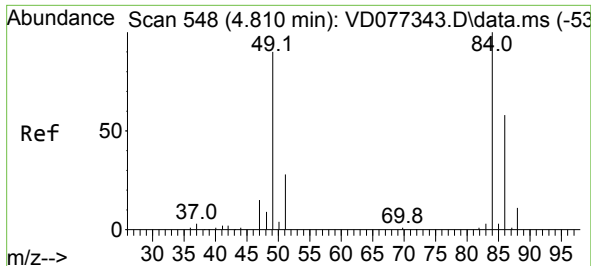
Tgt Ion: 43 Resp: 1274
Ion Ratio Lower Upper
43 100
58 45.4 34.7 52.1



#18
Methyl Acetate
Concen: 5.180 ug/l
RT: 4.575 min Scan# 508
Delta R.T. 0.012 min
Lab File: VD077411.D
Acq: 25 Oct 2023 13:52

Tgt Ion: 43 Resp: 3850
Ion Ratio Lower Upper
43 100
74 33.7 26.4 39.6





#20

Methylene Chloride

Concen: 14.590 ug/l

RT: 4.804 min Scan# 54

Delta R.T. -0.006 min

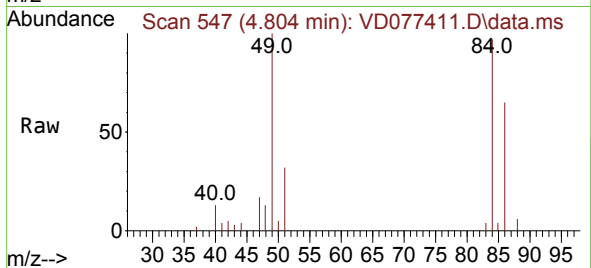
Lab File: VD077411.D

Acq: 25 Oct 2023 13:52

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 84 Resp: 23224

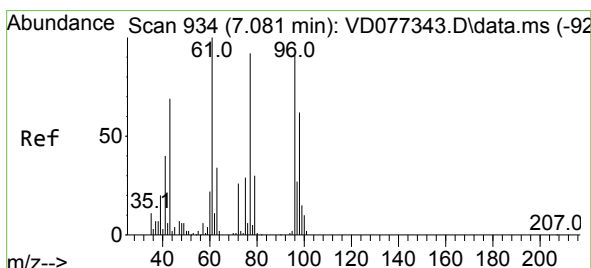
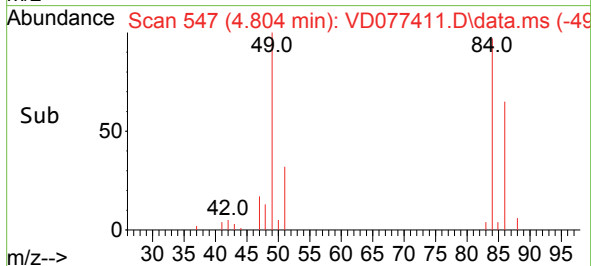
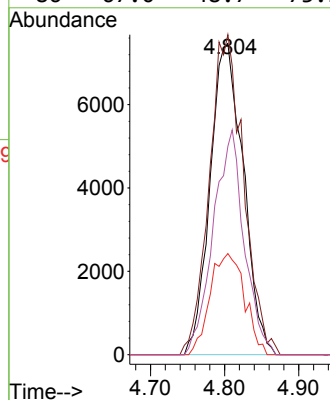
Ion Ratio Lower Upper

84 100

49 102.8 71.4 107.2

51 32.5 24.5 36.7

86 67.0 48.7 73.1



#25

2-Butanone

Concen: 8.889 ug/l

RT: 7.069 min Scan# 932

Delta R.T. -0.012 min

Lab File: VD077411.D

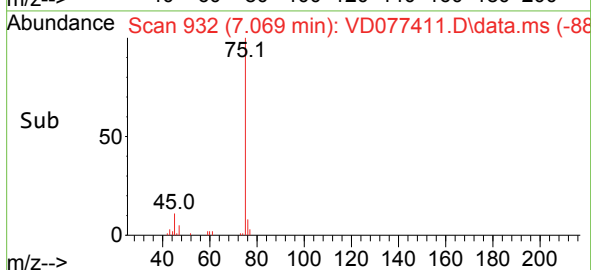
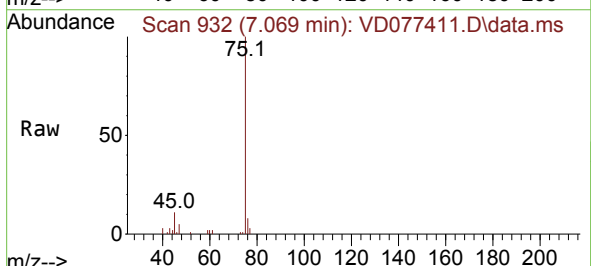
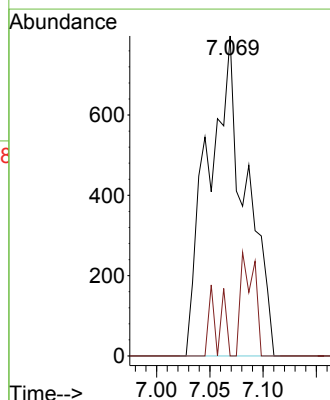
Acq: 25 Oct 2023 13:52

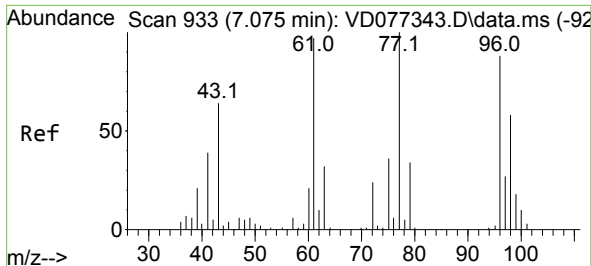
Tgt Ion: 43 Resp: 1969

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#

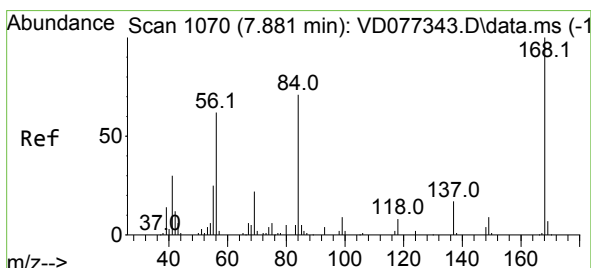
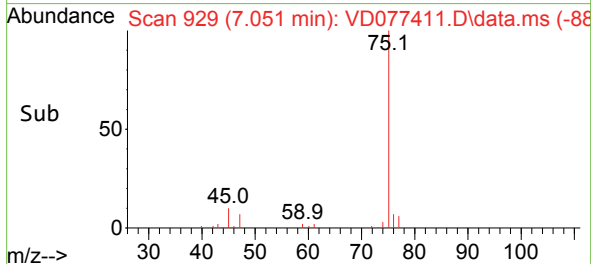
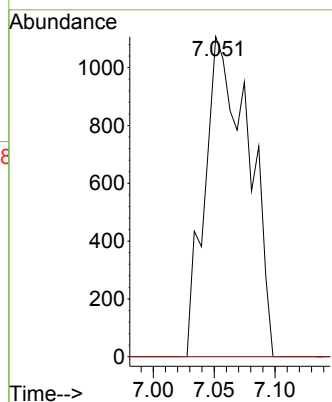
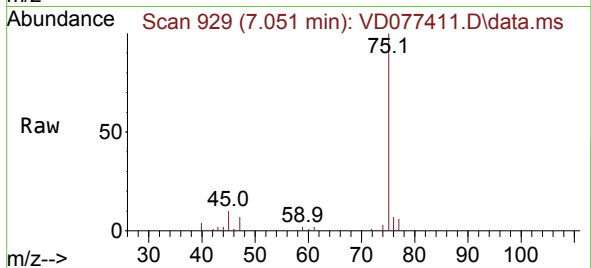




#26
2,2-Dichloropropane
Concen: 1.562 ug/l
RT: 7.051 min Scan# 91
Delta R.T. -0.024 min
Lab File: VD077411.D
Acq: 25 Oct 2023 13:52

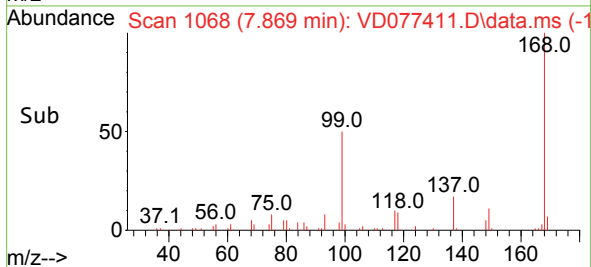
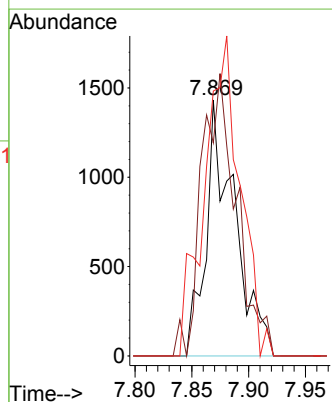
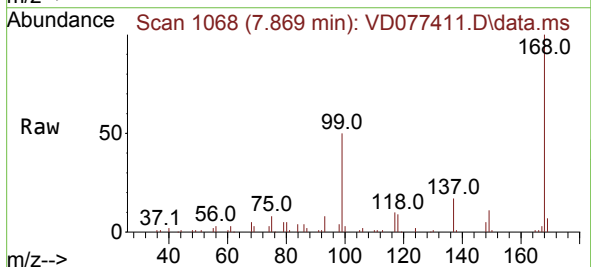
Instrument :
MSVOA_D
ClientSampleId :

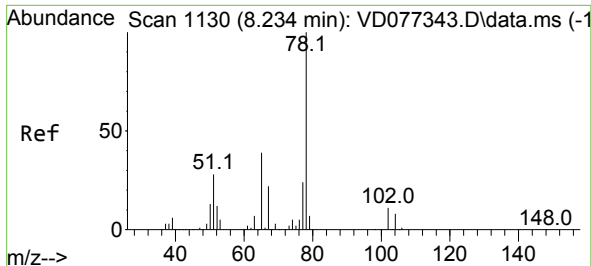
Tgt Ion: 77 Resp: 2770
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#



#31
Cyclohexane
Concen: 1.657 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD077411.D
Acq: 25 Oct 2023 13:52

Tgt Ion: 56 Resp: 2511
Ion Ratio Lower Upper
56 100
69 83.3 28.6 43.0#
84 103.5 84.8 127.2

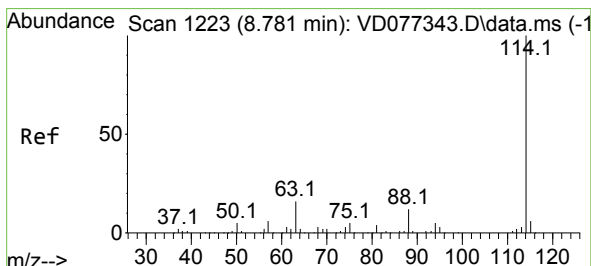
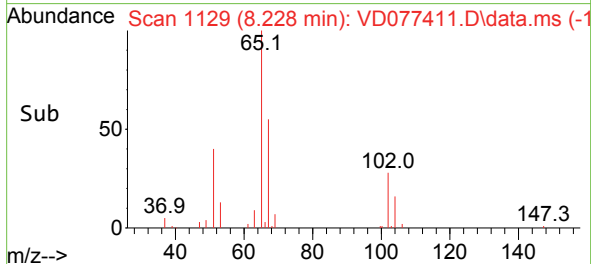
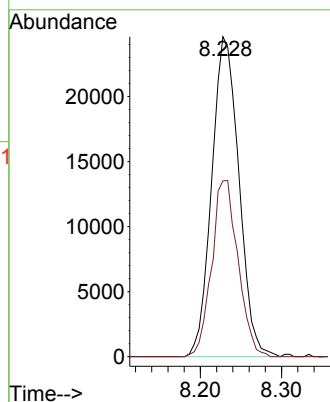
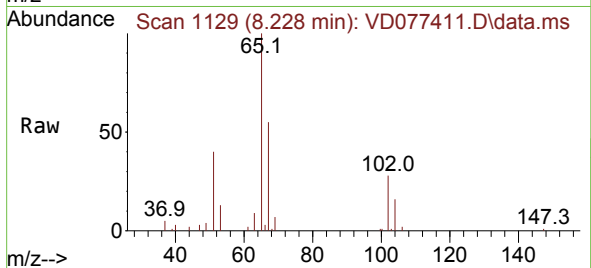




#33
1,2-Dichloroethane-d4
Concen: 58.791 ug/l
RT: 8.228 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VD077411.D
Acq: 25 Oct 2023 13:52

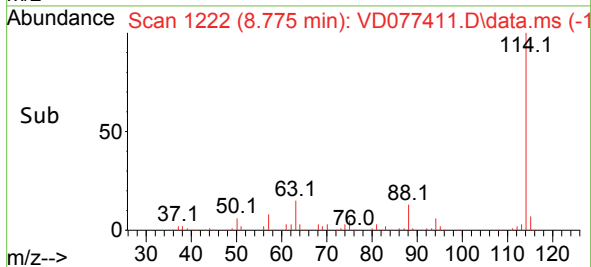
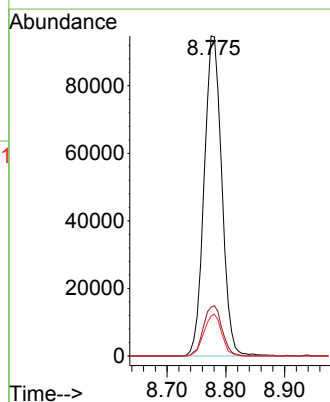
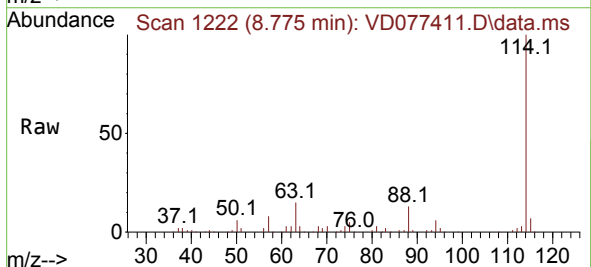
Instrument :
MSVOA_D
ClientSampleId :

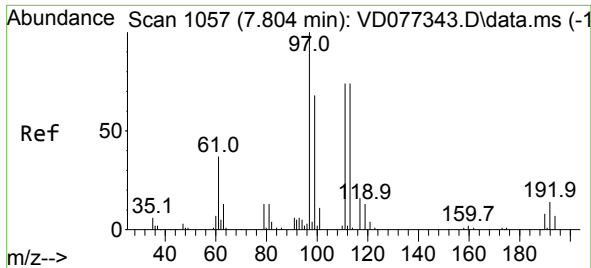
Tgt Ion: 65 Resp: 57251
Ion Ratio Lower Upper
65 100
67 53.3 0.0 115.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. -0.006 min
Lab File: VD077411.D
Acq: 25 Oct 2023 13:52

Tgt Ion:114 Resp: 197305
Ion Ratio Lower Upper
114 100
63 15.3 0.0 33.4
88 12.5 0.0 26.2

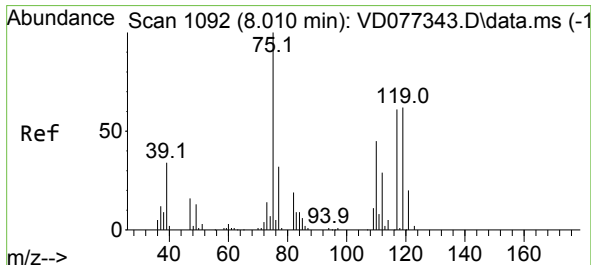
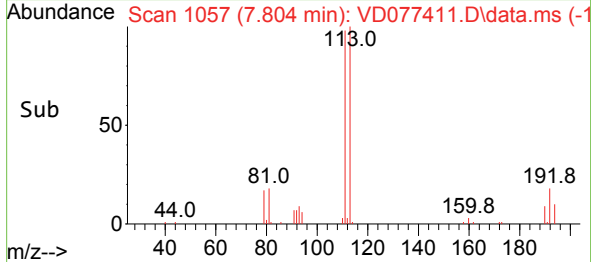
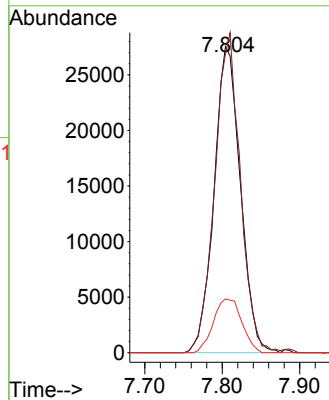
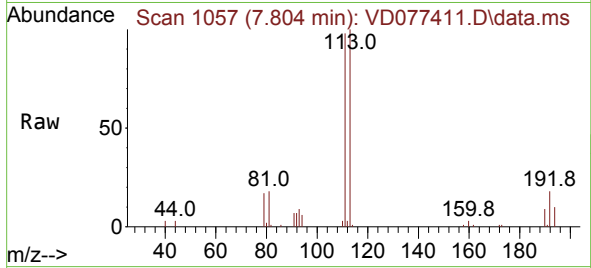




#35
Dibromofluoromethane
Concen: 47.003 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077411.D
Acq: 25 Oct 2023 13:52

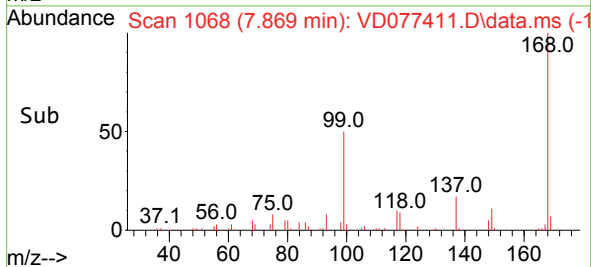
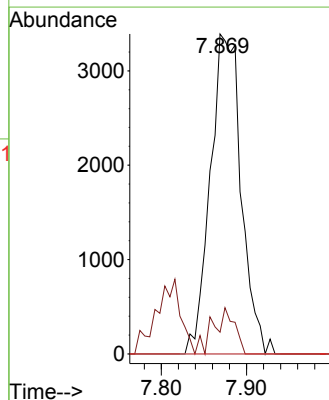
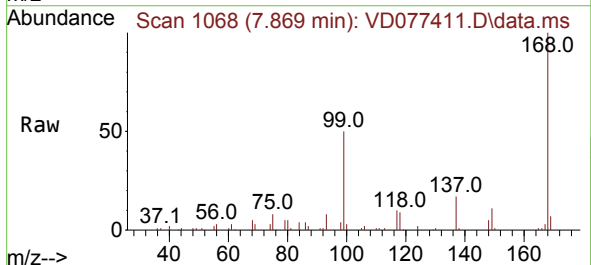
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MSVOA_D
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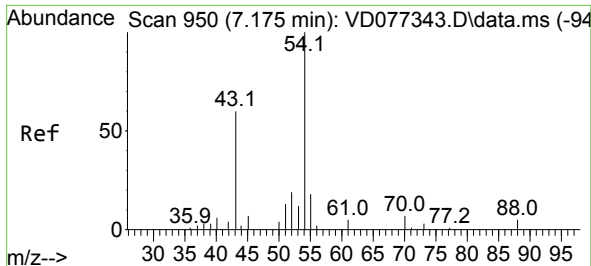
Tgt Ion:113 Resp: 65153
Ion Ratio Lower Upper
113 100
111 101.3 84.7 127.1
192 18.9 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.688 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VD077411.D
Acq: 25 Oct 2023 13:52

Tgt Ion: 75 Resp: 8539
Ion Ratio Lower Upper
75 100
110 10.1 19.9 59.6#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 3.442 ug/l

RT: 7.069 min Scan# 91

Delta R.T. -0.106 min

Lab File: VD077411.D

Acq: 25 Oct 2023 13:52

Instrument :

MSVOA_D

ClientSampleId :

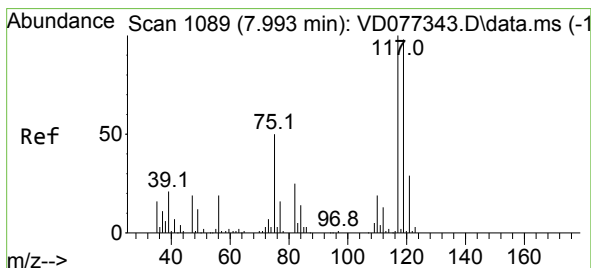
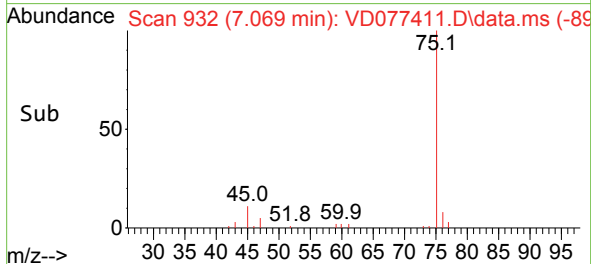
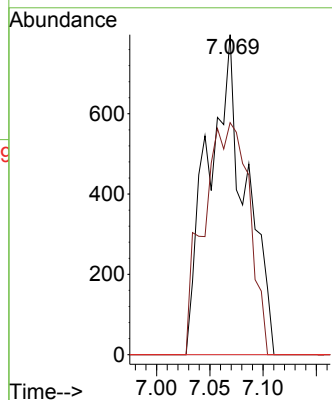
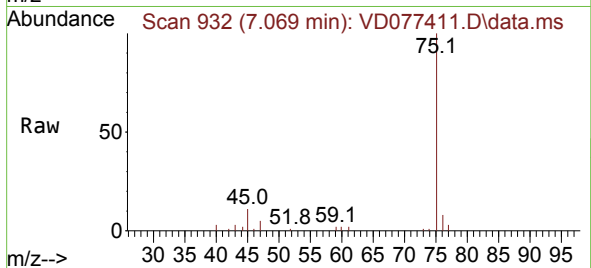
Tgt Ion: 43 Resp: 1969

Ion Ratio Lower Upper

43 100

61 86.8 14.9 22.3#

70 0.0 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 5.066 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

Lab File: VD077411.D

Acq: 25 Oct 2023 13:52

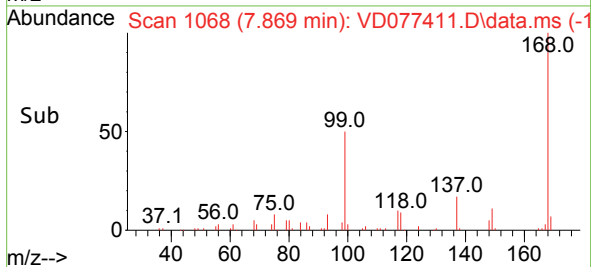
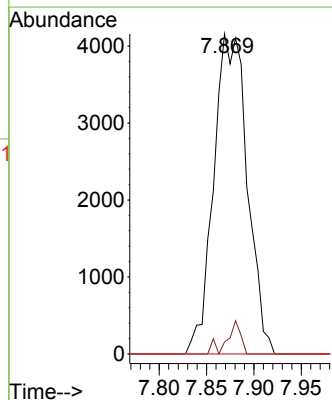
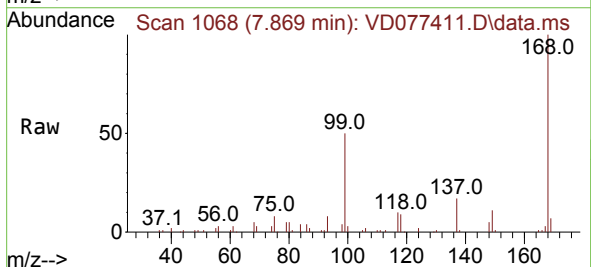
Tgt Ion: 117 Resp: 10264

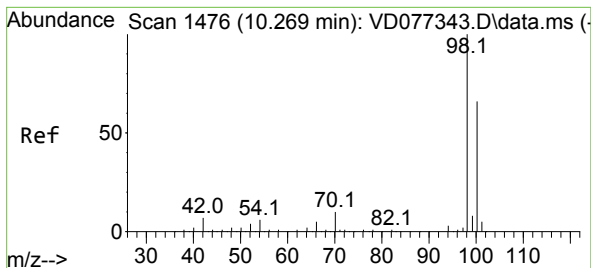
Ion Ratio Lower Upper

117 100

119 3.8 78.0 117.0#

121 0.0 24.2 36.2#

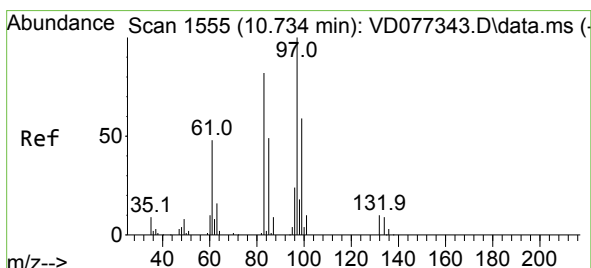
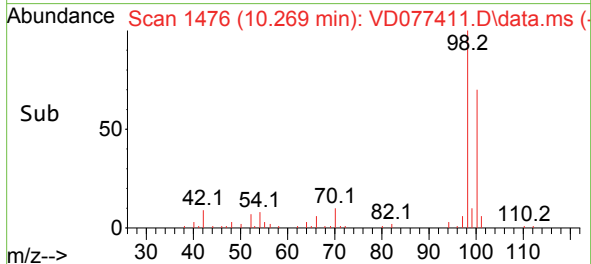
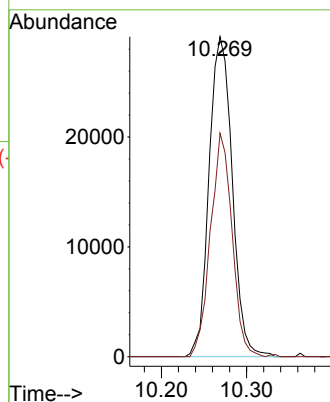
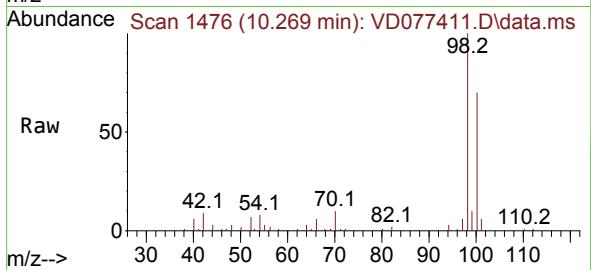




#50
Toluene-d8
Concen: 11.097 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077411.D
Acq: 25 Oct 2023 13:52

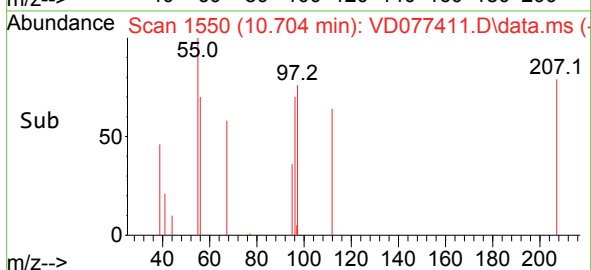
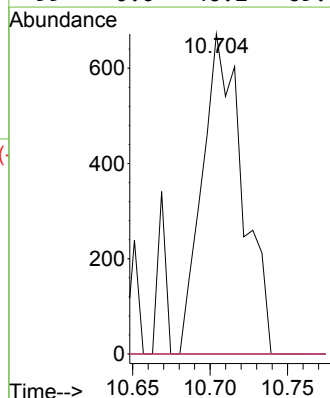
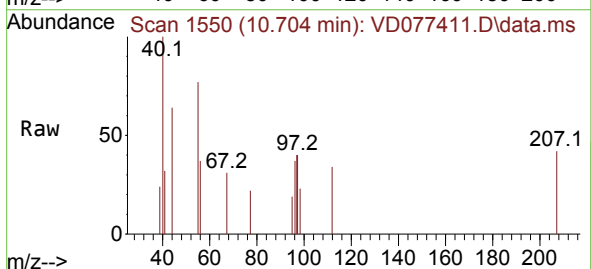
Instrument :
MSVOA_D
ClientSampleId :

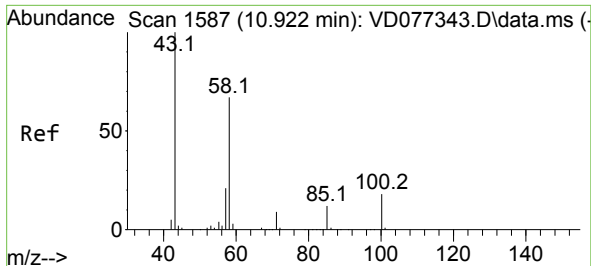
Tgt Ion: 98 Resp: 55088
Ion Ratio Lower Upper
98 100
100 65.0 50.3 75.5



#55
1,1,2-Trichloroethane
Concen: 1.105 ug/l
RT: 10.704 min Scan# 1550
Delta R.T. -0.030 min
Lab File: VD077411.D
Acq: 25 Oct 2023 13:52

Tgt Ion: 97 Resp: 1219
Ion Ratio Lower Upper
97 100
83 0.0 65.8 98.6#
85 0.0 45.7 68.5#
99 0.0 46.2 69.4#

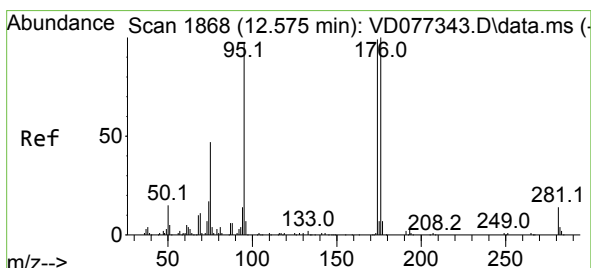
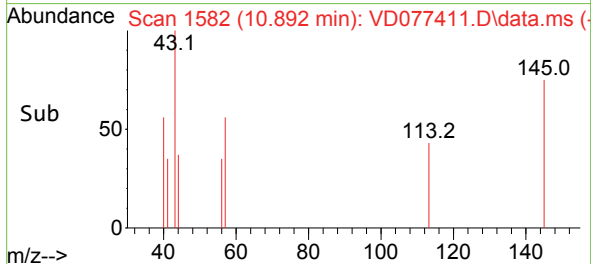
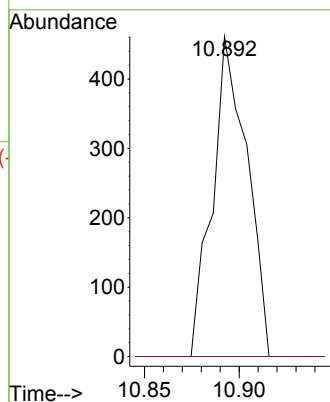
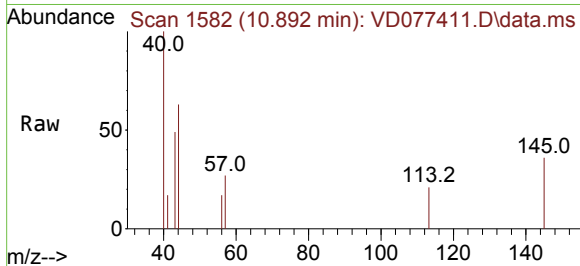




#59
2-Hexanone
Concen: 1.580 ug/l
RT: 10.892 min Scan# 1587
Delta R.T. -0.030 min
Lab File: VD077411.D
Acq: 25 Oct 2023 13:52

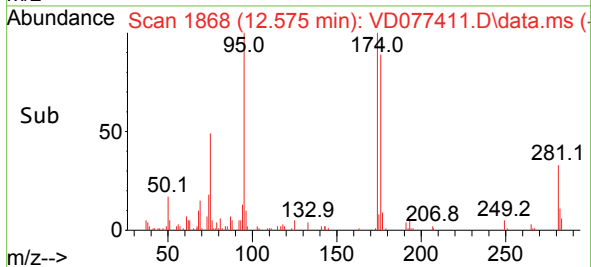
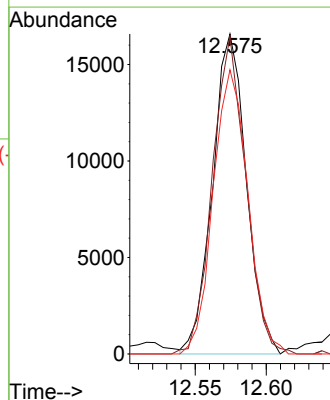
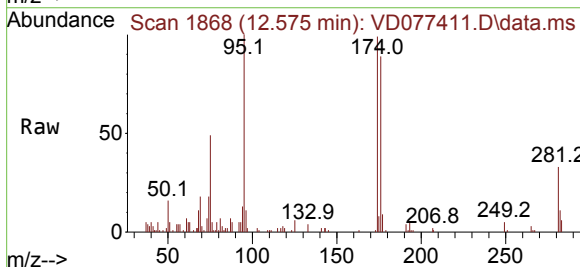
Instrument :
MSVOA_D
ClientSampleId :

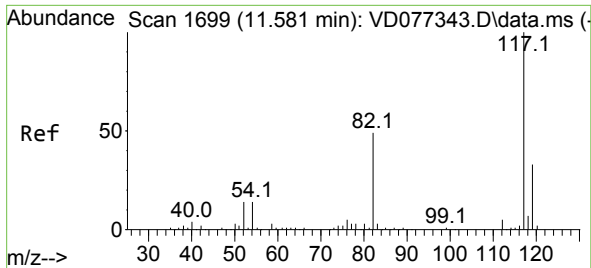
Tgt Ion: 43 Resp: 586
Ion Ratio Lower Upper
43 100
58 0.0 34.1 102.2#



#62
4-Bromofluorobenzene
Concen: 19.202 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077411.D
Acq: 25 Oct 2023 13:52

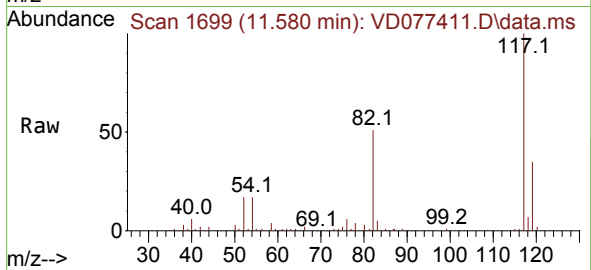
Tgt Ion: 95 Resp: 27439
Ion Ratio Lower Upper
95 100
174 97.7 0.0 201.8
176 91.5 0.0 191.8



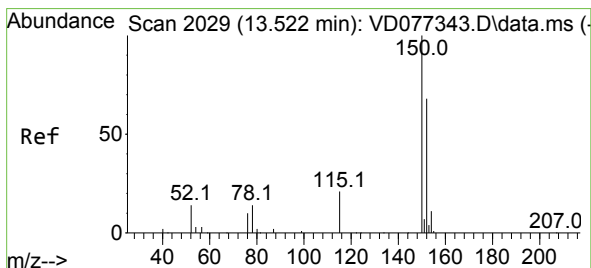
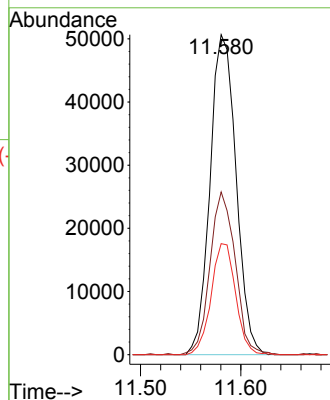
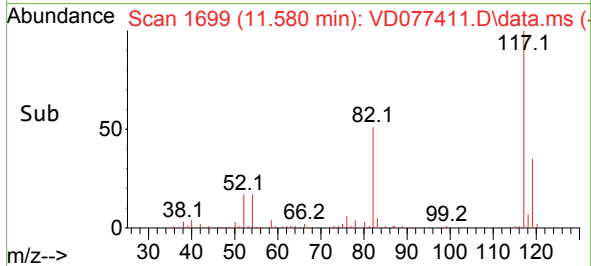


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 11
Delta R.T. -0.001 min
Lab File: VD077411.D
Acq: 25 Oct 2023 13:52

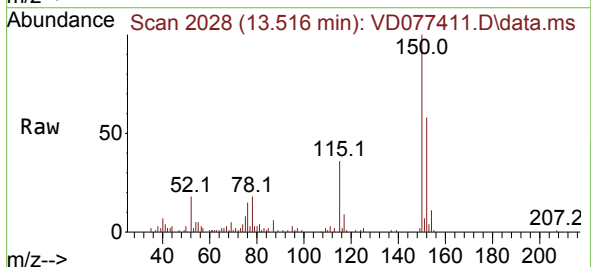
Instrument :
MSVOA_D
ClientSampleId :



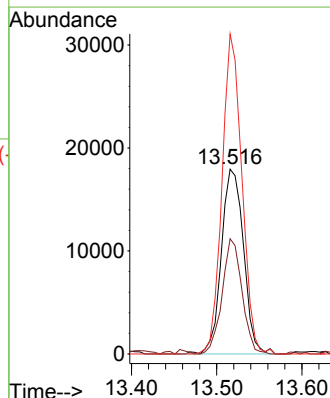
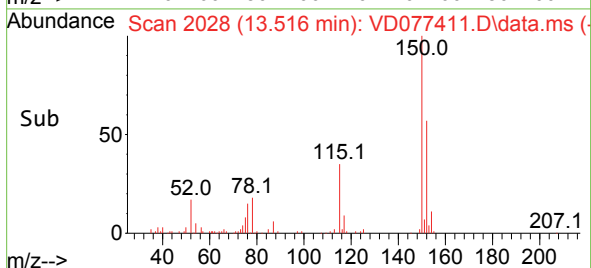
Tgt Ion:117 Resp: 91445
Ion Ratio Lower Upper
117 100
82 50.9 38.3 57.5
119 34.7 25.0 37.4

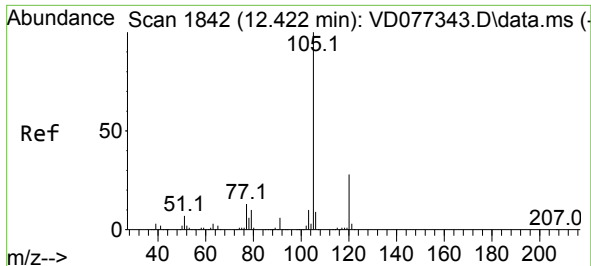


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD077411.D
Acq: 25 Oct 2023 13:52



Tgt Ion:152 Resp: 32427
Ion Ratio Lower Upper
152 100
115 55.9 27.1 81.3
150 155.0 0.0 353.6

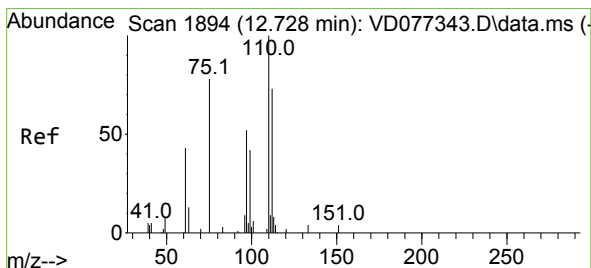
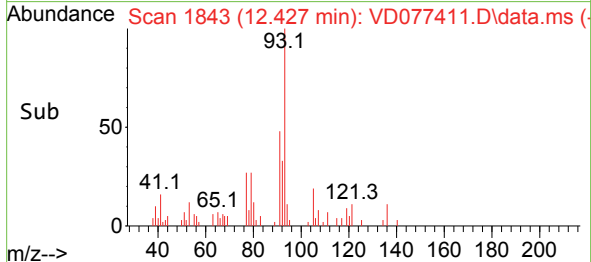
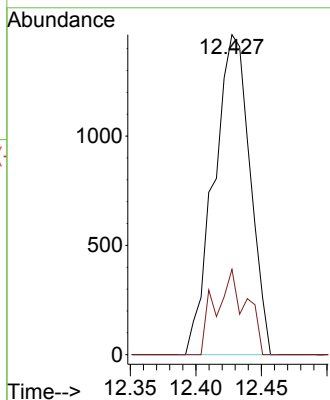
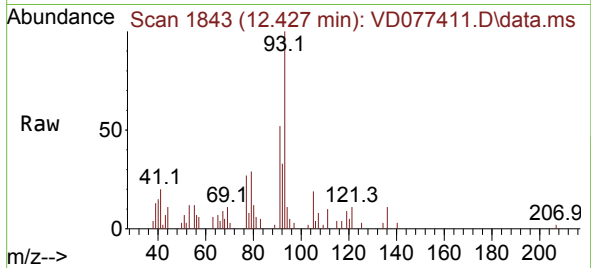




#73
Isopropylbenzene
Concen: 1.306 ug/l
RT: 12.427 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VD077411.D
Acq: 25 Oct 2023 13:52

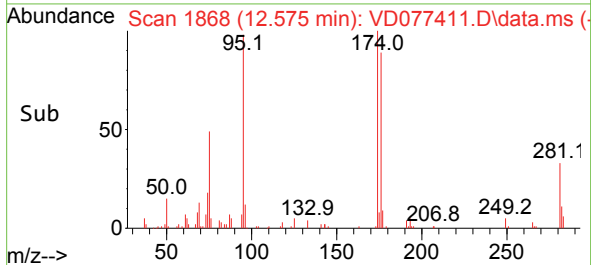
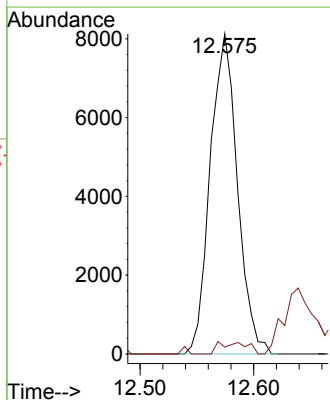
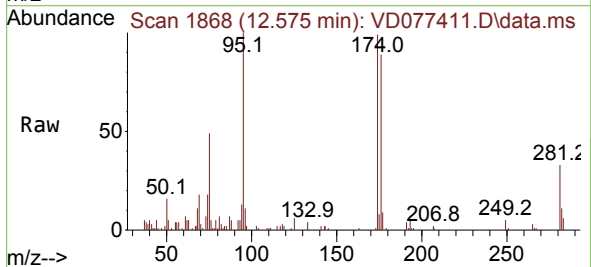
Instrument :
MSVOA_D
ClientSampleId :

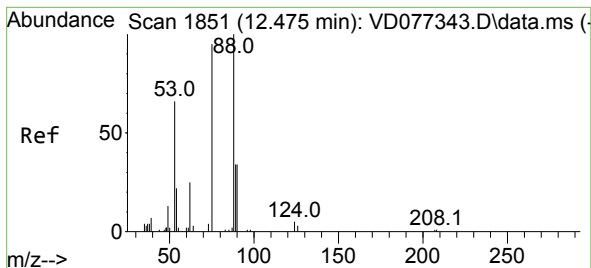
Tgt Ion:105 Resp: 2802
Ion Ratio Lower Upper
105 100
120 22.6 14.3 42.9



#76
1,2,3-Trichloropropane
Concen: 31.796 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD077411.D
Acq: 25 Oct 2023 13:52

Tgt Ion: 75 Resp: 13533
Ion Ratio Lower Upper
75 100
77 3.8 0.0 0.0#

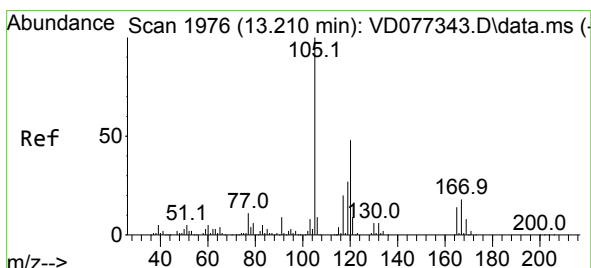
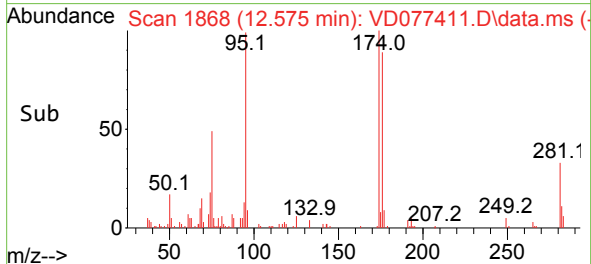
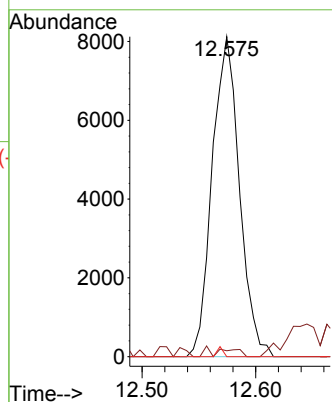
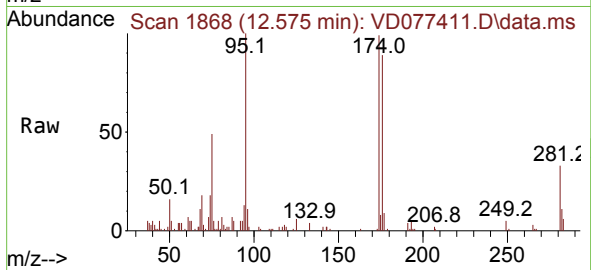




#81
trans-1,4-Dichloro-2-butene
Concen: 111.827 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD077411.D
Acq: 25 Oct 2023 13:52

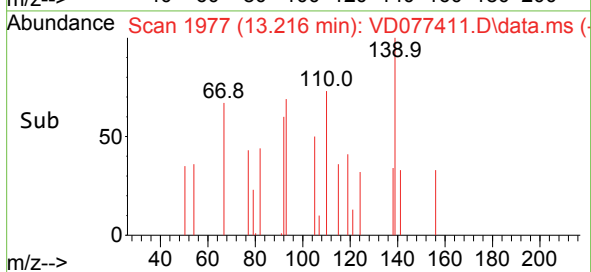
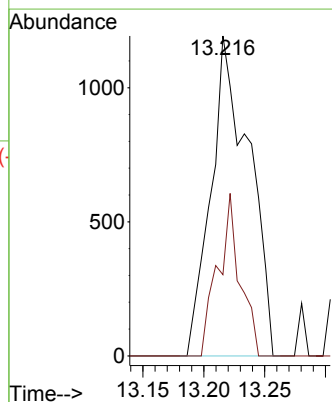
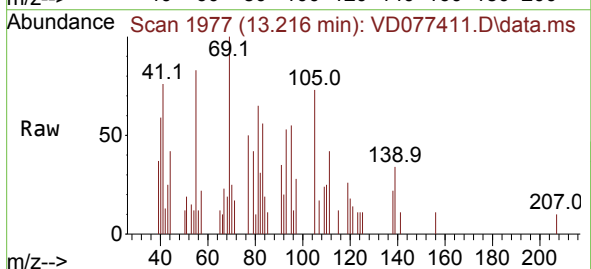
Instrument :
MSVOA_D
ClientSampleId :

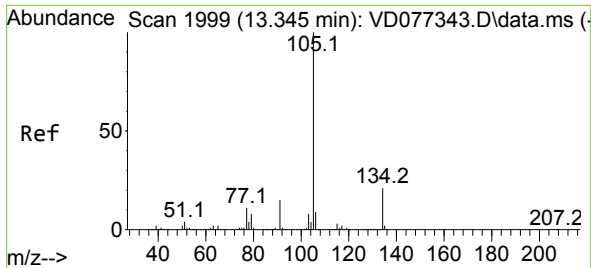
Tgt Ion: 75 Resp: 13533
Ion Ratio Lower Upper
75 100
53 1.8 63.0 94.4#
89 0.7 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.451 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VD077411.D
Acq: 25 Oct 2023 13:52

Tgt Ion:105 Resp: 2585
Ion Ratio Lower Upper
105 100
120 29.5 24.3 72.9

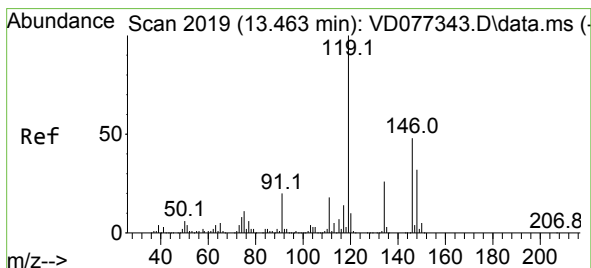
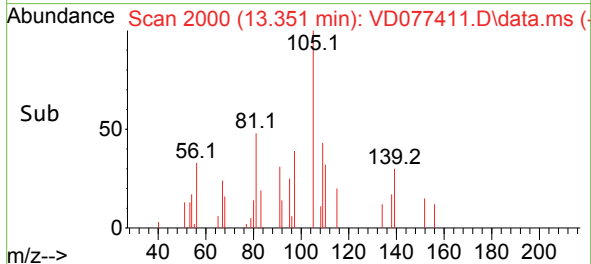
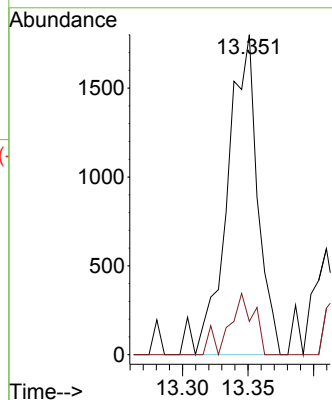
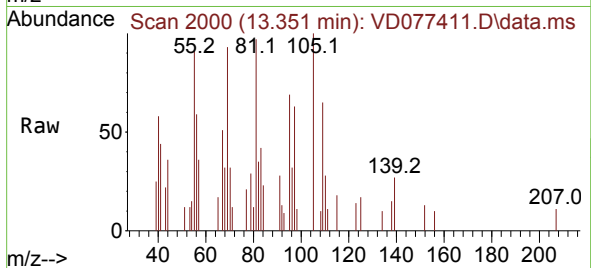




#85
 sec-Butylbenzene
 Concen: 1.240 ug/l
 RT: 13.351 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VD077411.D
 Acq: 25 Oct 2023 13:52

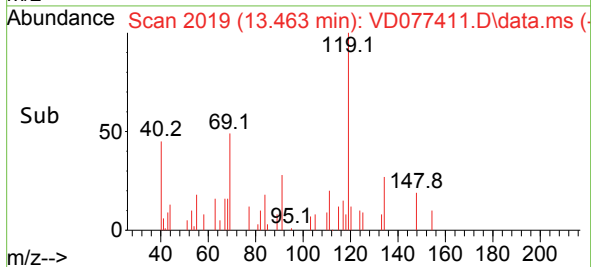
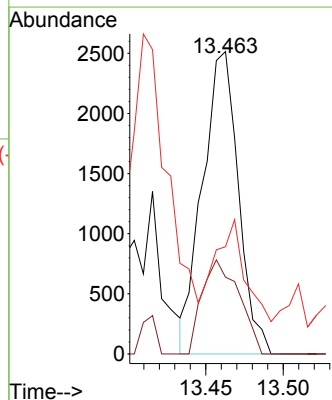
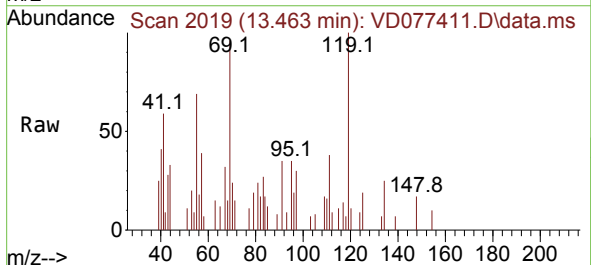
Instrument :
 MSVOA_D
 ClientSampleId :

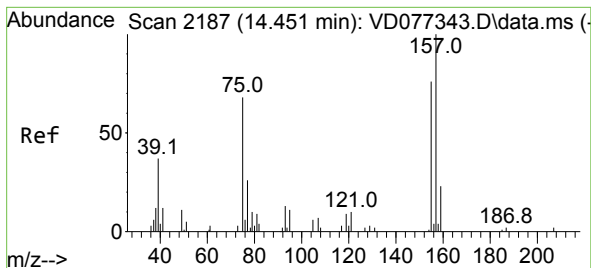
Tgt Ion:105 Resp: 2929
 Ion Ratio Lower Upper
 105 100
 134 15.7 10.9 32.9



#86
 p-Isopropyltoluene
 Concen: 1.971 ug/l
 RT: 13.463 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: VD077411.D
 Acq: 25 Oct 2023 13:52

Tgt Ion:119 Resp: 4044
 Ion Ratio Lower Upper
 119 100
 134 32.1 14.2 42.6
 91 27.5 10.5 31.5

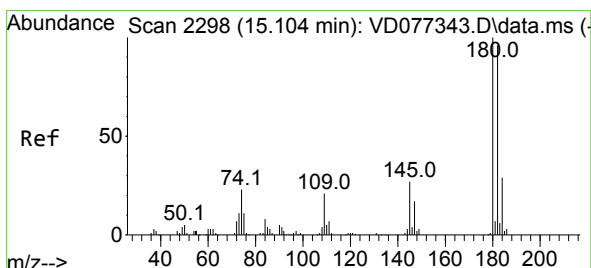
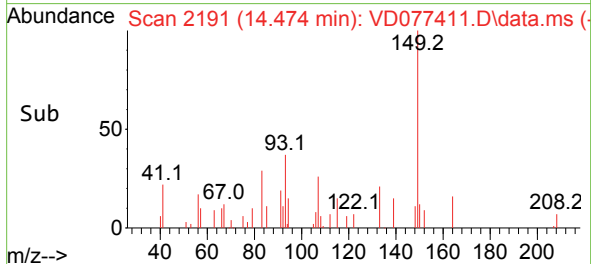
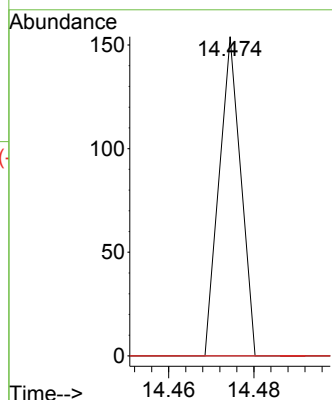
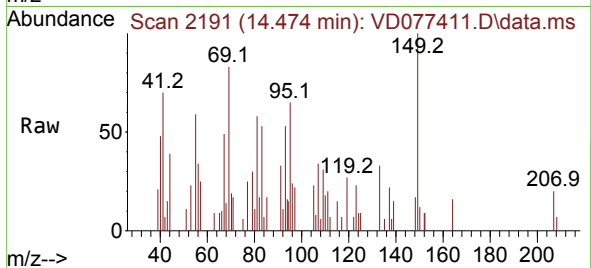




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.132 ug/l
 RT: 14.474 min Scan# 2187
 Delta R.T. 0.023 min
 Lab File: VD077411.D
 Acq: 25 Oct 2023 13:52

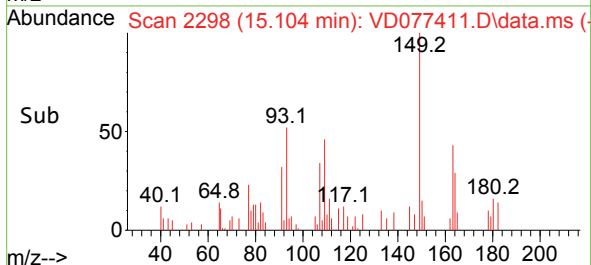
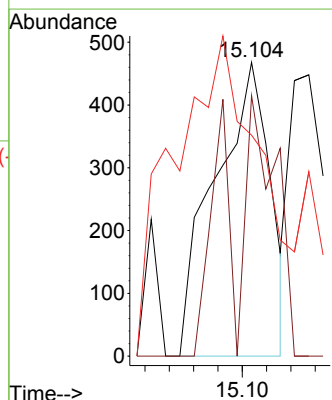
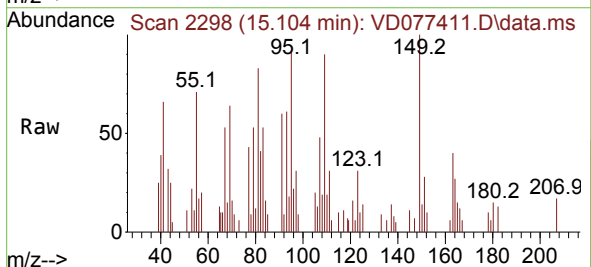
Instrument :
 MSVOA_D
 ClientSampleId :

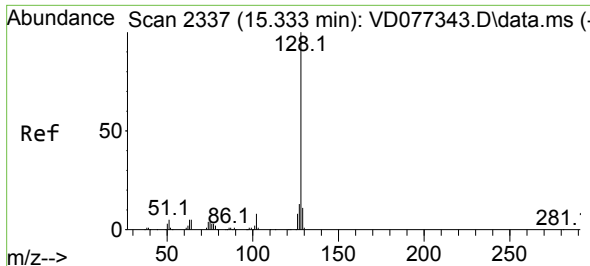
Tgt Ion: 75 Resp: 54
 Ion Ratio Lower Upper
 75 100
 155 0.0 47.9 143.8#
 157 0.0 59.9 179.7#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.190 ug/l
 RT: 15.104 min Scan# 2298
 Delta R.T. -0.000 min
 Lab File: VD077411.D
 Acq: 25 Oct 2023 13:52

Tgt Ion:180 Resp: 742
 Ion Ratio Lower Upper
 180 100
 182 48.1 48.5 145.6#
 145 0.0 14.2 42.6#

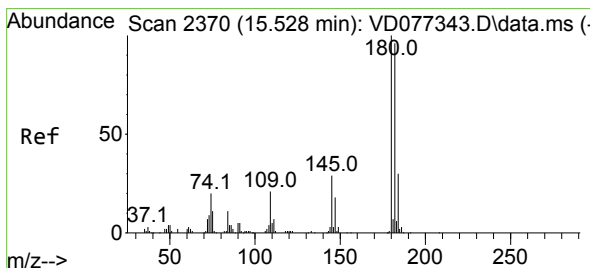
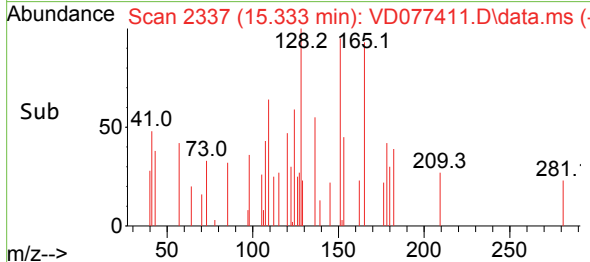
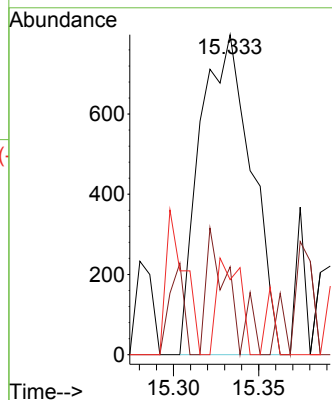
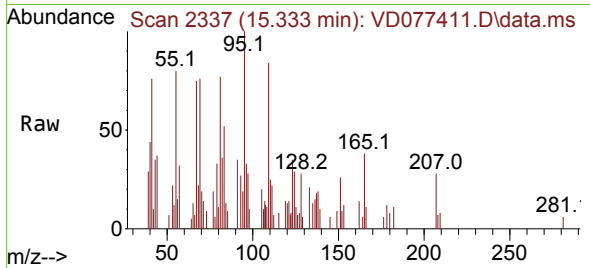




#95
Naphthalene
Concen: 1.588 ug/l
RT: 15.333 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD077411.D
Acq: 25 Oct 2023 13:52

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 1672
Ion Ratio Lower Upper
128 100
127 27.4 10.5 15.7#
129 23.4 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.780 ug/l
RT: 15.545 min Scan# 2373
Delta R.T. 0.017 min
Lab File: VD077411.D
Acq: 25 Oct 2023 13:52

Tgt Ion:180 Resp: 1505
Ion Ratio Lower Upper
180 100
182 0.0 47.3 141.9#
145 0.0 15.1 45.3#

