

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012023\
 Data File : VD075162.D
 Acq On : 20 Jan 2023 19:17
 Operator : KP/SY
 Sample : 01233-09
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-P38B

Quant Time: Jan 23 00:33:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 19 01:32:27 2023
 Response via : Initial Calibration

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

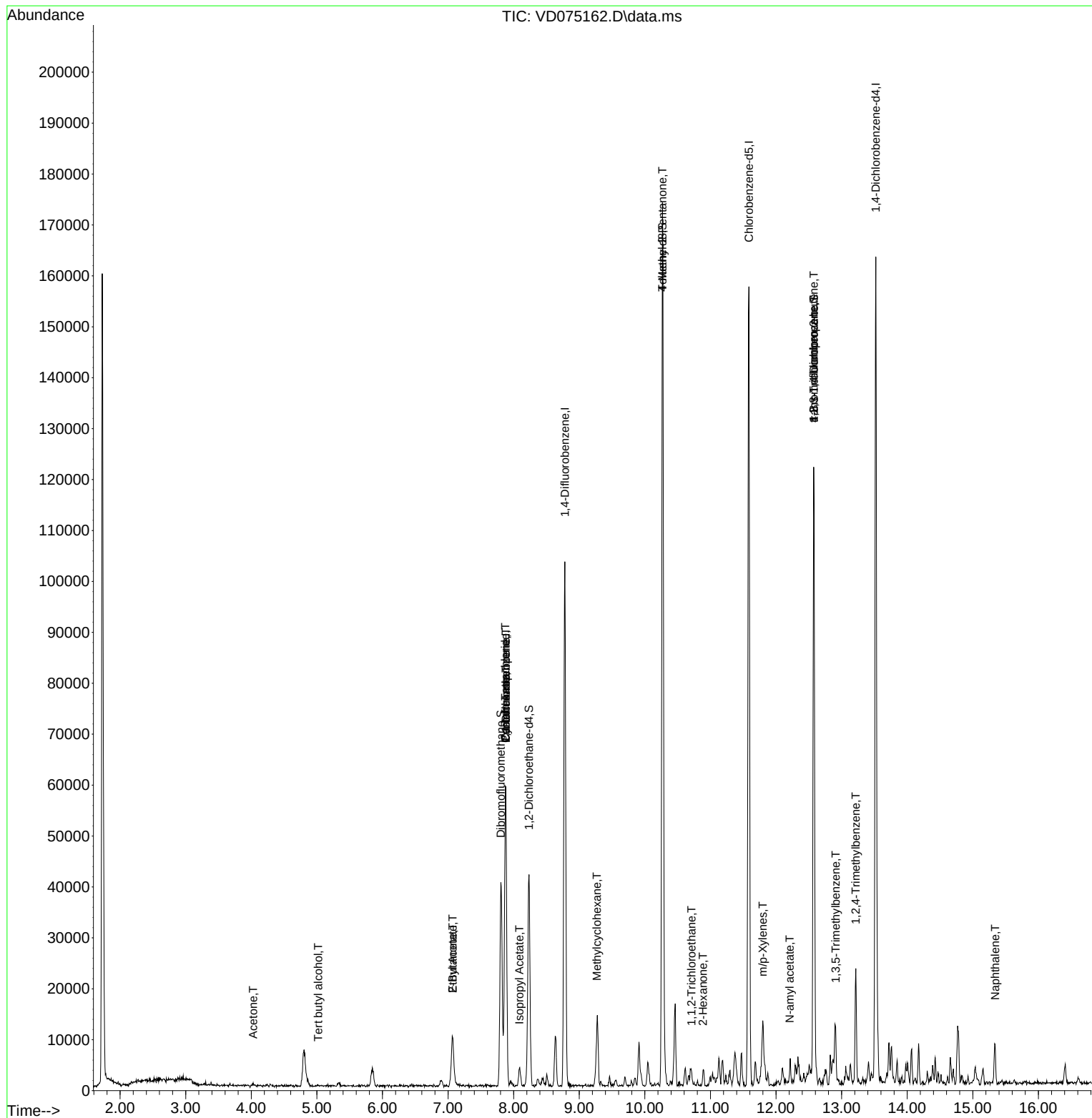
Internal Standards						
1) Pentafluorobenzene	7.881	168	41902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	88407	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.586	117	88309	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	40736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	31629	73.973	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 147.940%	
35) Dibromofluoromethane	7.804	113	29269	54.789	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.580%	
50) Toluene-d8	10.269	98	114170	54.279	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.560%	
62) 4-Bromofluorobenzene	12.575	95	40344	60.435	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 120.880%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.022	59	55	1.844	ug/l #	89
16) Acetone	4.028	43	612	5.427	ug/l #	52
25) 2-Butanone	7.069	43	382	2.803	ug/l #	50
31) Cyclohexane	7.881	56	2559	2.984	ug/l #	66
36) 1,1-Dichloropropene	7.881	75	3795	4.421	ug/l #	45
37) Ethyl Acetate	7.069	43	382	1.105	ug/l #	27
38) Carbon Tetrachloride	7.875	117	4334	5.997	ug/l #	23
39) Methylcyclohexane	9.269	83	5376	5.082	ug/l	96
43) Isopropyl Acetate	8.087	43	1369	2.034	ug/l #	50
51) 4-Methyl-2-Pentanone	10.269	43	814	2.519	ug/l #	1
55) 1,1,2-Trichloroethane	10.710	97	994	2.362	ug/l #	14
59) 2-Hexanone	10.886	43	1375	5.885	ug/l #	25
68) m/p-Xylenes	11.798	106	3296	2.619	ug/l	90
74) N-amyl acetate	12.210	43	980	1.390	ug/l #	57
76) 1,2,3-Trichloropropane	12.575	75	20284	58.794	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.910	105	4273	1.621	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.575	75	20284	136.376	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.216	105	12047	4.653	ug/l	98
95) Naphthalene	15.339	128	7107	4.460	ug/l	97

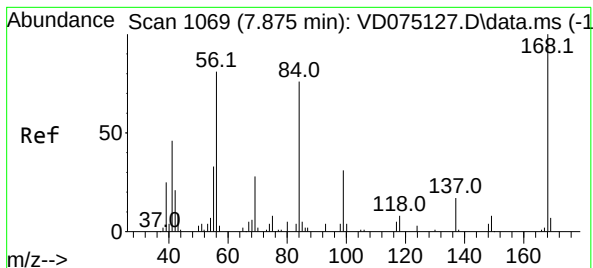
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
B-P38B

Quant Time: Jan 23 00:33:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011823S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 19 01:32:27 2023
Response via : Initial Calibration

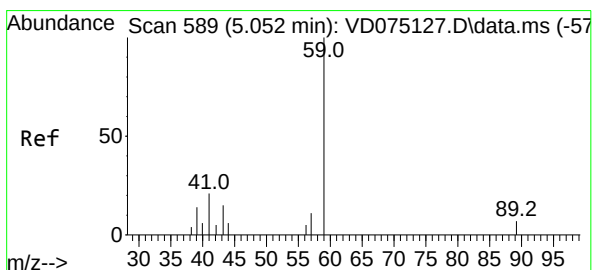
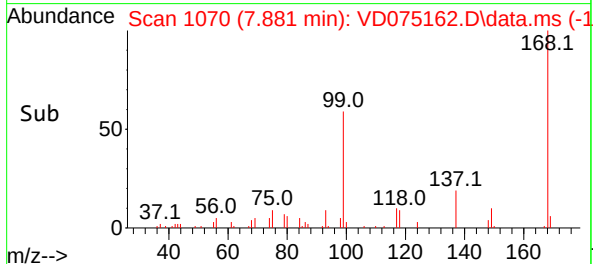
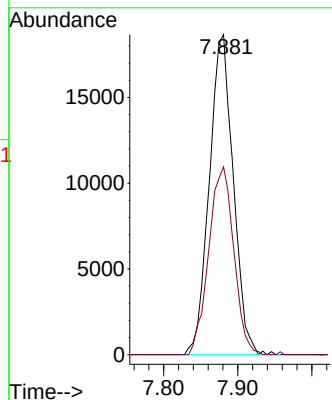
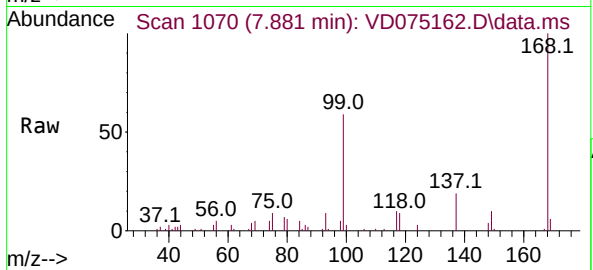




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD075162.D
Acq: 20 Jan 2023 19:17

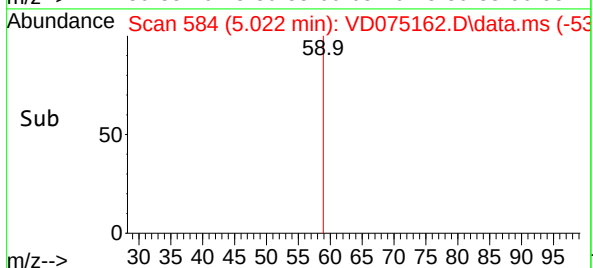
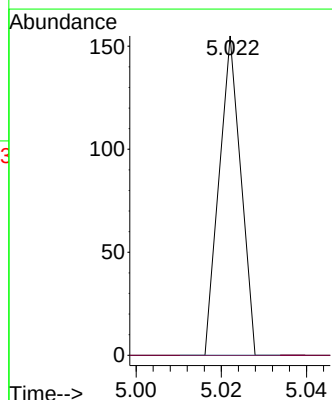
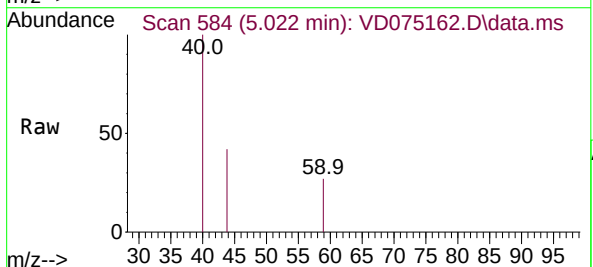
Instrument :
MSVOA_D
ClientSampleId :
B-P38B

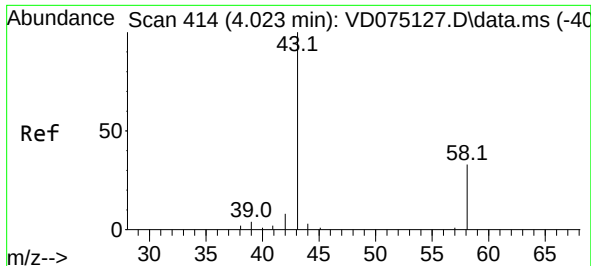
Tgt Ion:168 Resp: 41902
Ion Ratio Lower Upper
168 100
99 58.7 45.2 67.8



#11
Tert butyl alcohol
Concen: 1.844 ug/l
RT: 5.022 min Scan# 584
Delta R.T. -0.030 min
Lab File: VD075162.D
Acq: 20 Jan 2023 19:17

Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
57 0.0 2.9 4.3#

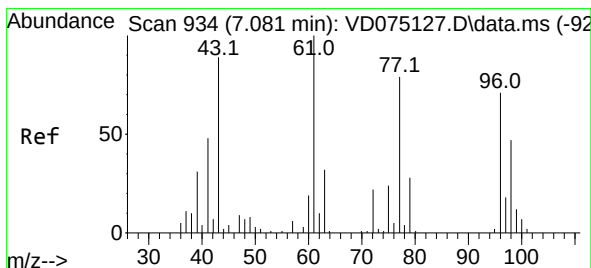
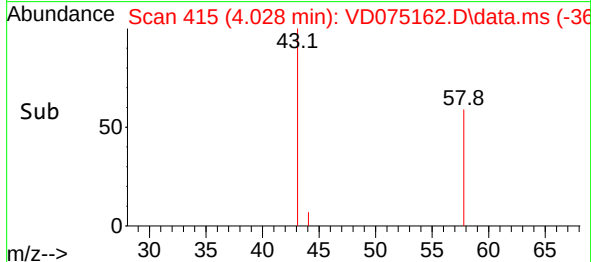
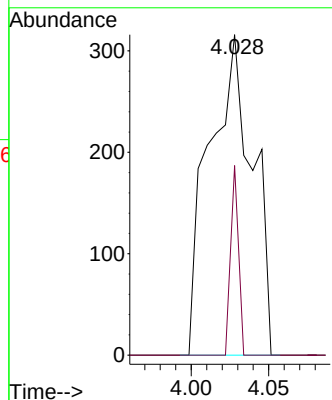
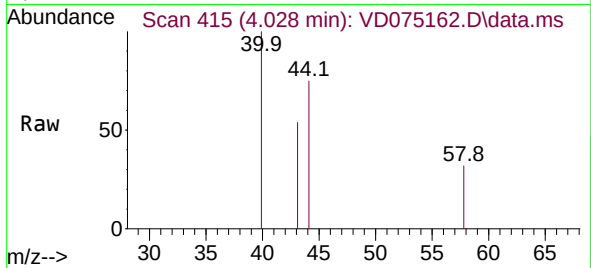




#16
Acetone
Concen: 5.427 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.005 min
Lab File: VD075162.D
Acq: 20 Jan 2023 19:17

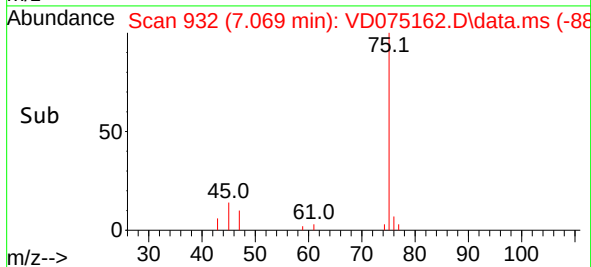
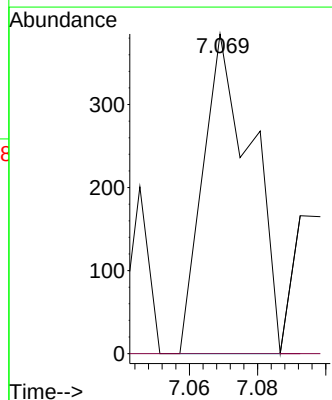
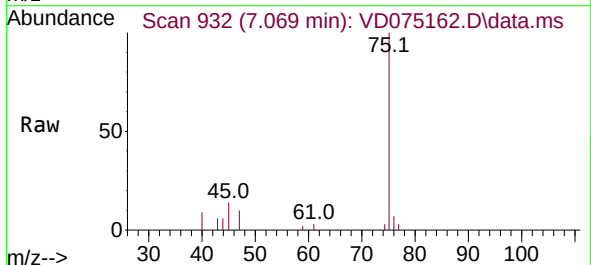
Instrument :
MSVOA_D
ClientSampleId :
B-P38B

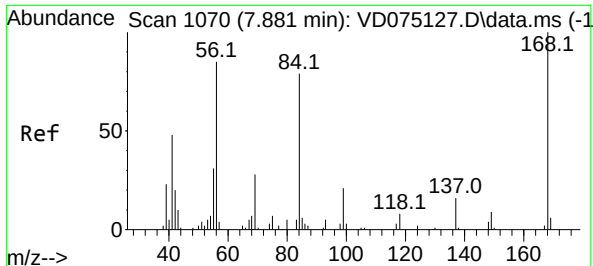
Tgt Ion: 43 Resp: 612
Ion Ratio Lower Upper
43 100
58 59.2 26.0 39.0#



#25
2-Butanone
Concen: 2.803 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.012 min
Lab File: VD075162.D
Acq: 20 Jan 2023 19:17

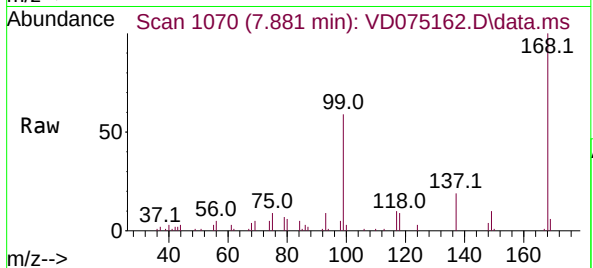
Tgt Ion: 43 Resp: 382
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.8#



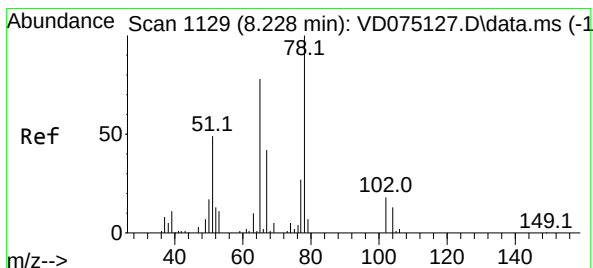
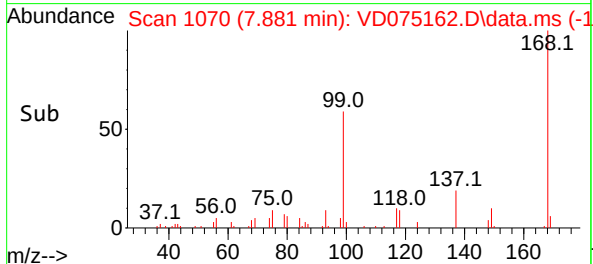
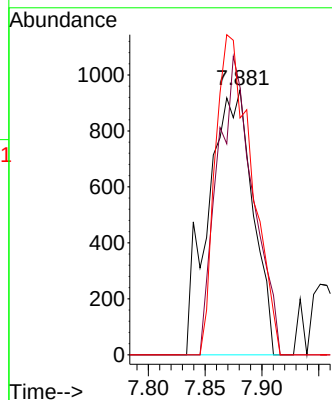


#31
Cyclohexane
Concen: 2.984 ug/l
RT: 7.881 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD075162.D
Acq: 20 Jan 2023 19:17

Instrument :
MSVOA_D
ClientSampleId :
B-P38B

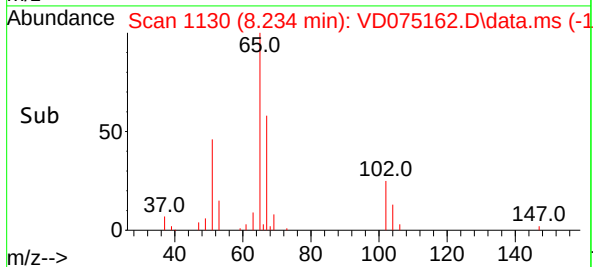
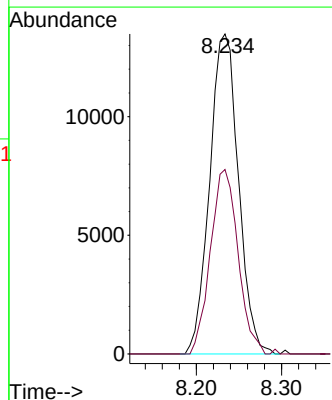
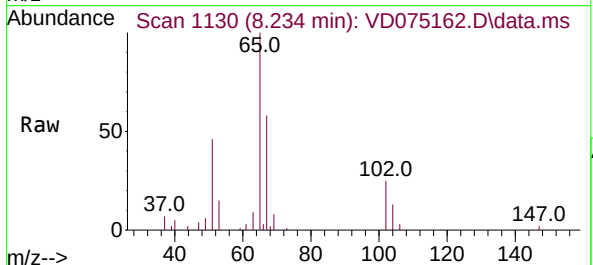


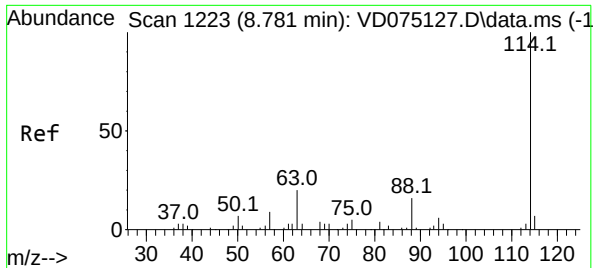
Tgt Ion: 56 Resp: 2559
Ion Ratio Lower Upper
56 100
69 101.1 26.6 40.0#
84 89.4 74.1 111.1



#33
1,2-Dichloroethane-d4
Concen: 73.973 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.005 min
Lab File: VD075162.D
Acq: 20 Jan 2023 19:17

Tgt Ion: 65 Resp: 31629
Ion Ratio Lower Upper
65 100
67 55.4 0.0 105.2

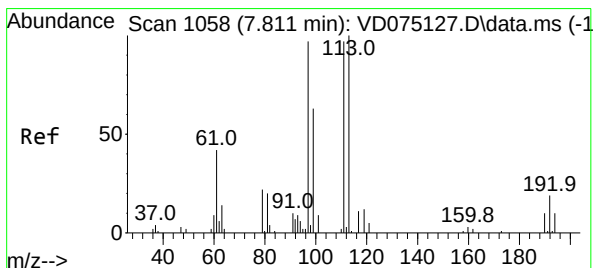
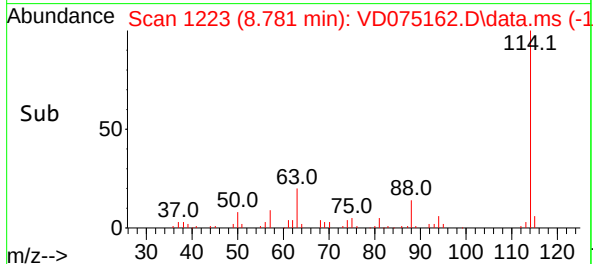
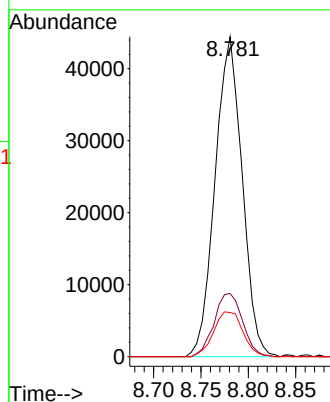
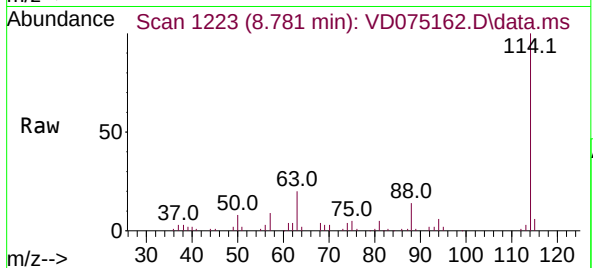




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075162.D
Acq: 20 Jan 2023 19:17

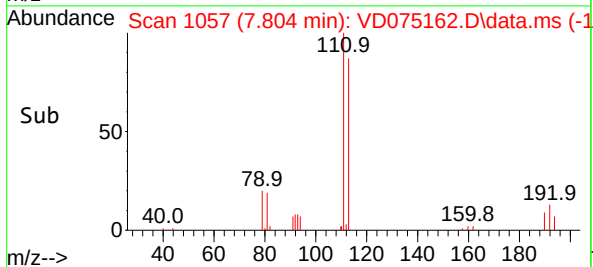
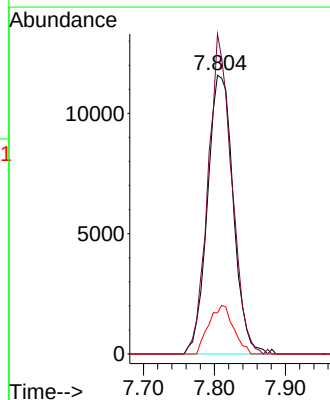
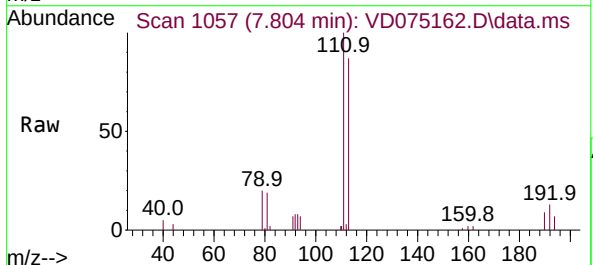
Instrument :
MSVOA_D
ClientSampleId :
B-P38B

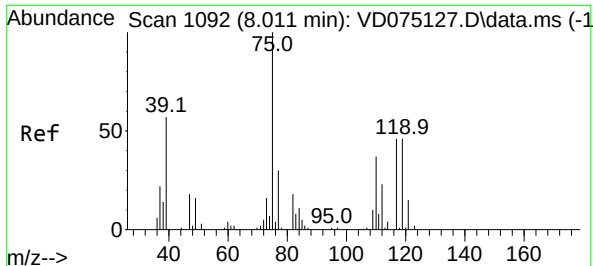
Tgt Ion:114 Resp: 88407
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.2
88 13.8 0.0 32.2



#35
Dibromofluoromethane
Concen: 54.789 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VD075162.D
Acq: 20 Jan 2023 19:17

Tgt Ion:113 Resp: 29269
Ion Ratio Lower Upper
113 100
111 105.1 80.1 120.1
192 16.5 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.421 ug/l

RT: 7.881 min Scan# 1092

Delta R.T. -0.130 min

Lab File: VD075162.D

Acq: 20 Jan 2023 19:17

Instrument :

MSVOA_D

ClientSampleId :

B-P38B

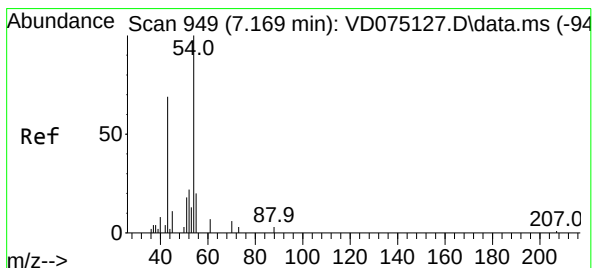
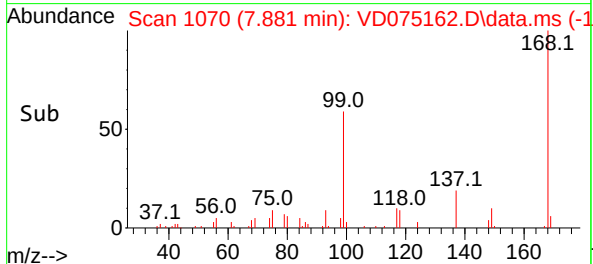
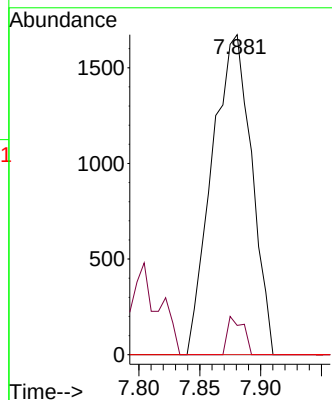
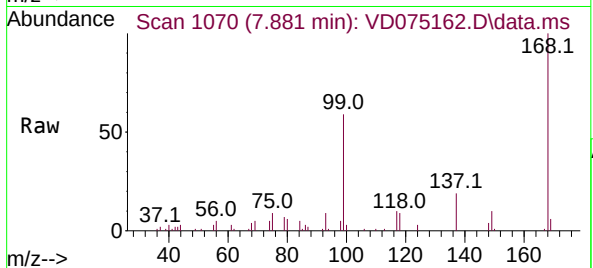
Tgt Ion: 75 Resp: 3795

Ion Ratio Lower Upper

75 100

110 4.8 18.1 54.4#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 1.105 ug/l

RT: 7.069 min Scan# 932

Delta R.T. -0.100 min

Lab File: VD075162.D

Acq: 20 Jan 2023 19:17

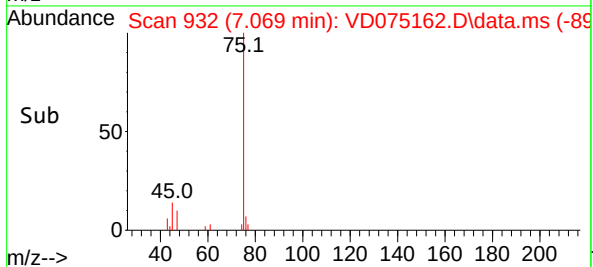
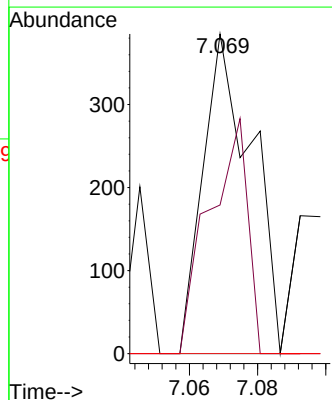
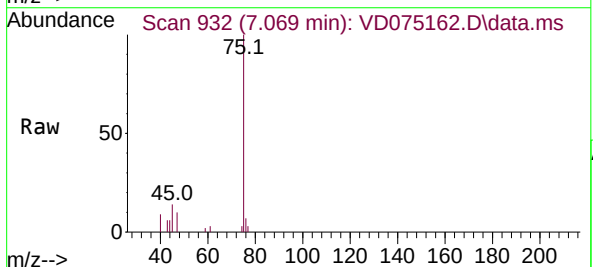
Tgt Ion: 43 Resp: 382

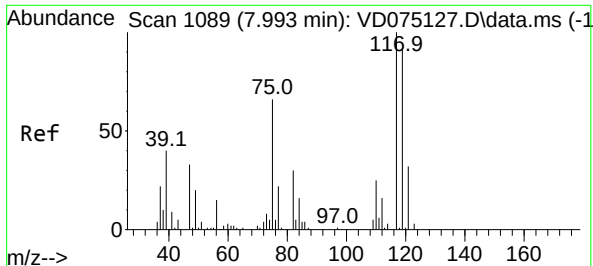
Ion Ratio Lower Upper

43 100

61 58.1 11.7 17.5#

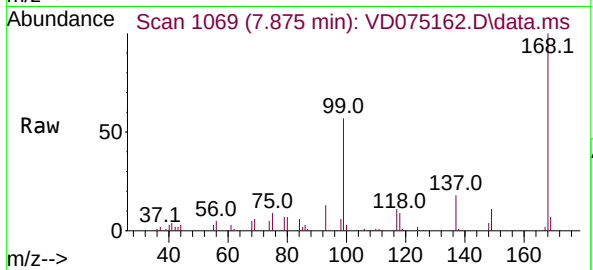
70 0.0 8.8 13.2#



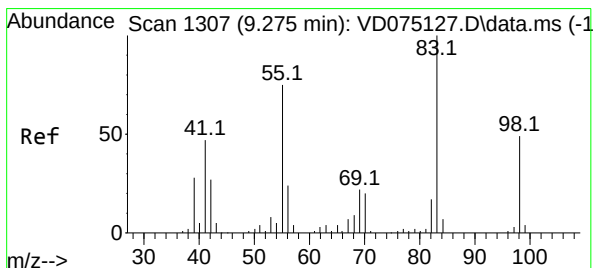
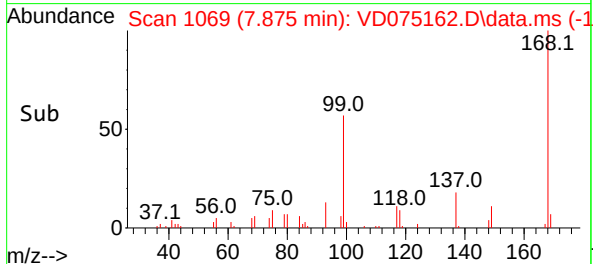
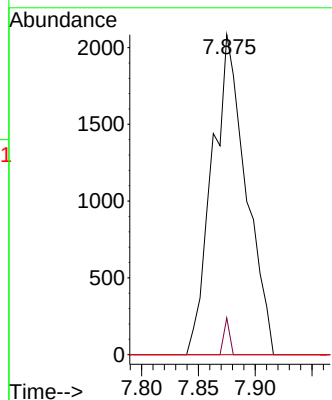


#38
Carbon Tetrachloride
Concen: 5.997 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD075162.D
Acq: 20 Jan 2023 19:17

Instrument :
MSVOA_D
ClientSampleId :
B-P38B

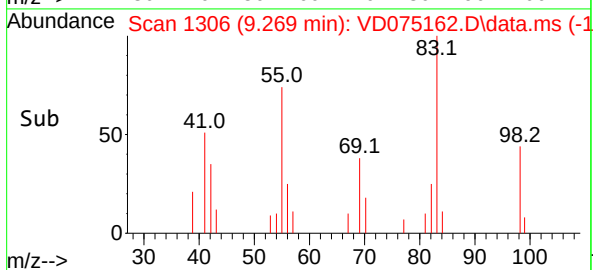
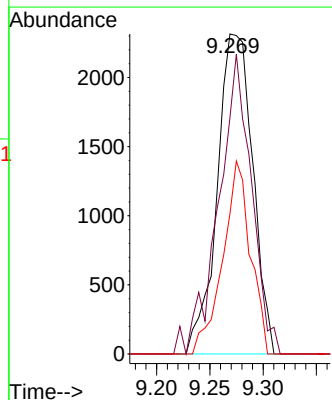
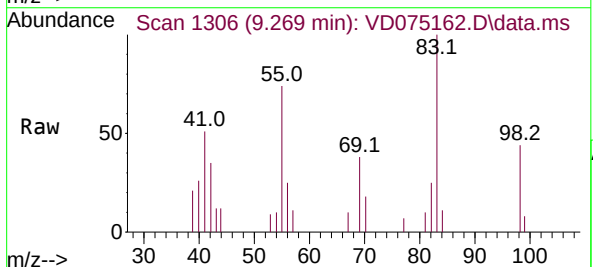


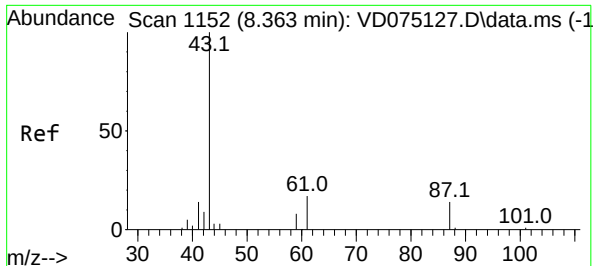
Tgt Ion:117 Resp: 4334
Ion Ratio Lower Upper
117 100
119 11.5 73.6 110.4#
121 0.0 25.4 38.0#



#39
Methylcyclohexane
Concen: 5.082 ug/l
RT: 9.269 min Scan# 1306
Delta R.T. -0.006 min
Lab File: VD075162.D
Acq: 20 Jan 2023 19:17

Tgt Ion: 83 Resp: 5376
Ion Ratio Lower Upper
83 100
55 73.9 60.0 90.0
98 43.8 39.0 58.4





#43

Isopropyl Acetate

Concen: 2.034 ug/l

RT: 8.087 min Scan# 1105

Delta R.T. -0.277 min

Lab File: VD075162.D

Acq: 20 Jan 2023 19:17

Instrument :

MSVOA_D

ClientSampleId :

B-P38B

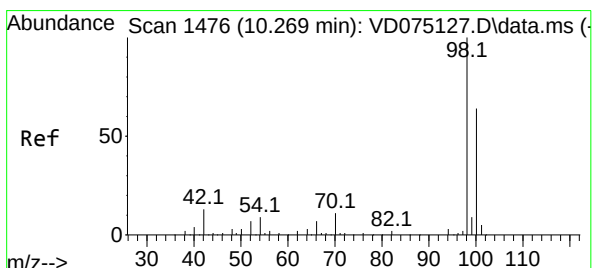
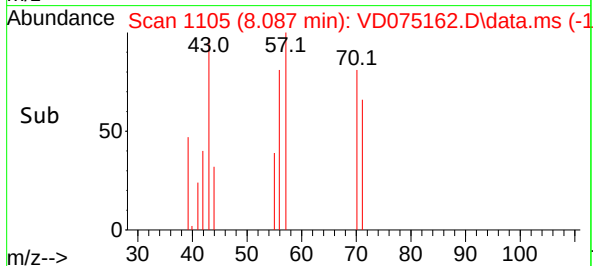
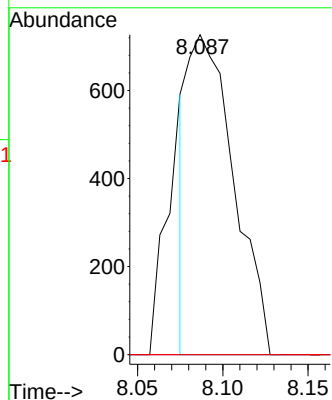
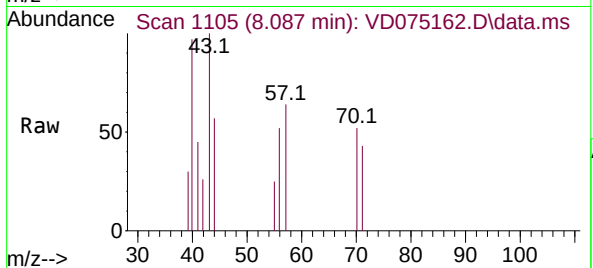
Tgt Ion: 43 Resp: 1369

Ion Ratio Lower Upper

43 100

61 0.0 25.0 37.6#

87 0.0 10.6 16.0#



#50

Toluene-d8

Concen: 54.279 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD075162.D

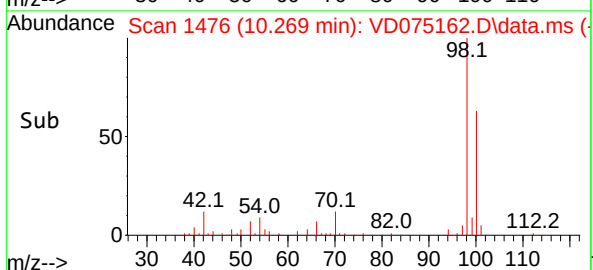
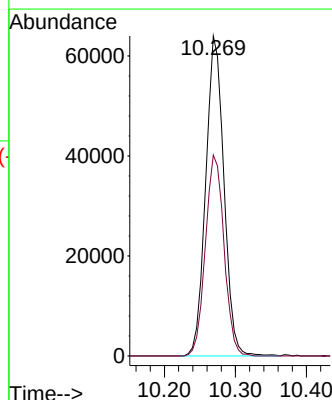
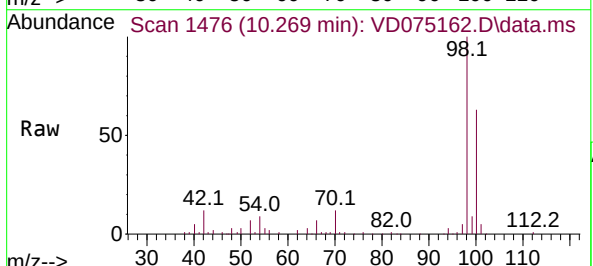
Acq: 20 Jan 2023 19:17

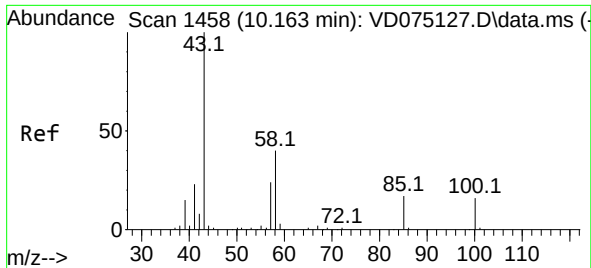
Tgt Ion: 98 Resp: 114170

Ion Ratio Lower Upper

98 100

100 64.1 52.7 79.1

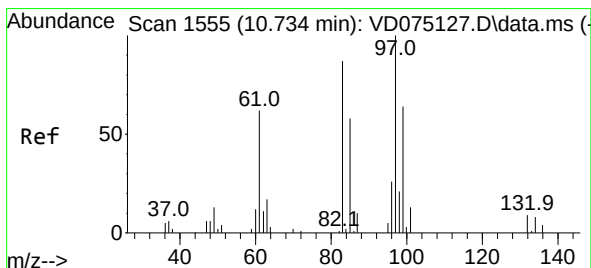
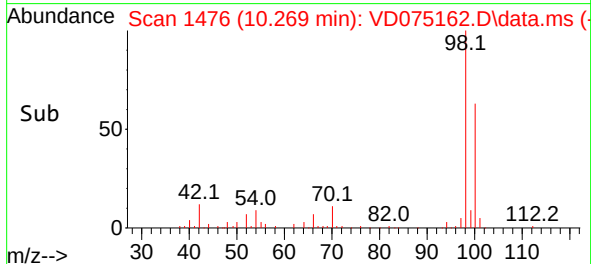
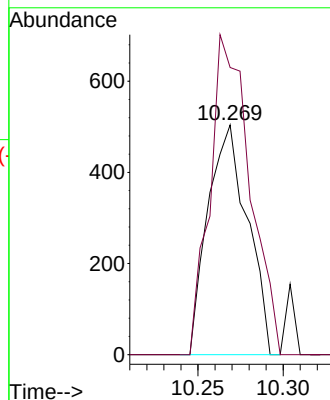
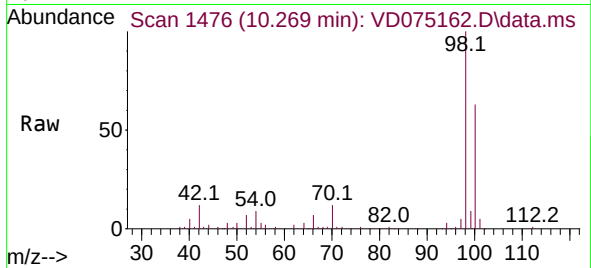




#51
4-Methyl-2-Pentanone
Concen: 2.519 ug/l
RT: 10.269 min Scan# 1458
Delta R.T. 0.105 min
Lab File: VD075162.D
Acq: 20 Jan 2023 19:17

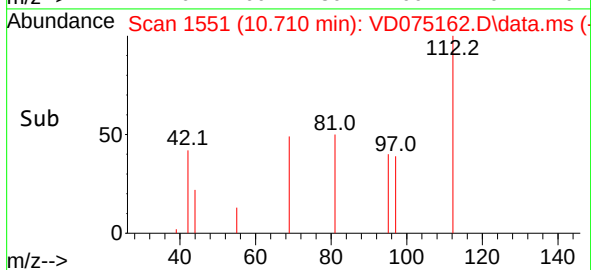
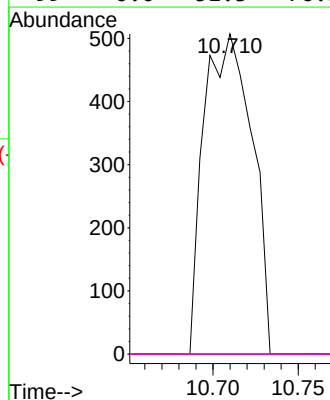
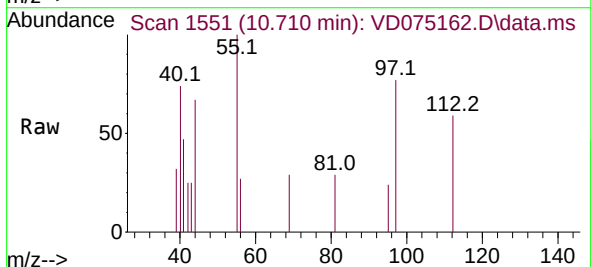
Instrument :
MSVOA_D
ClientSampleId :
B-P38B

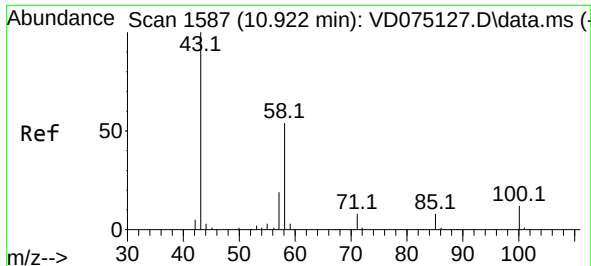
Tgt Ion: 43 Resp: 814
Ion Ratio Lower Upper
43 100
58 140.7 31.4 47.0#



#55
1,1,2-Trichloroethane
Concen: 2.362 ug/l
RT: 10.710 min Scan# 1551
Delta R.T. -0.024 min
Lab File: VD075162.D
Acq: 20 Jan 2023 19:17

Tgt Ion: 97 Resp: 994
Ion Ratio Lower Upper
97 100
83 0.0 69.4 104.0#
85 0.0 46.0 69.0#
99 0.0 51.3 76.9#

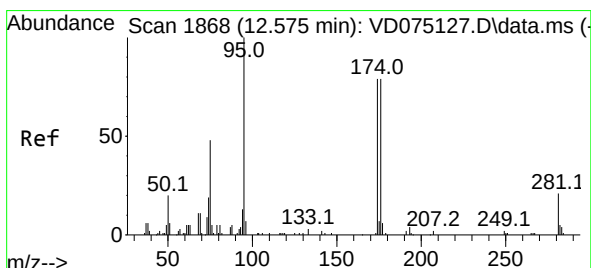
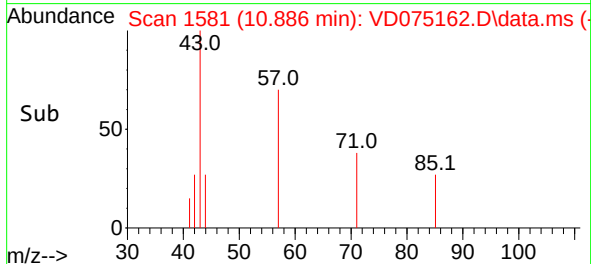
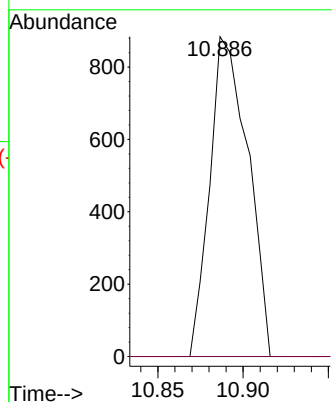
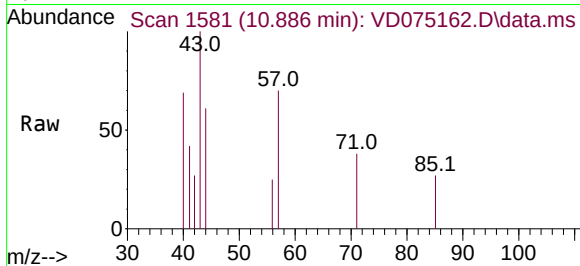




#59
2-Hexanone
Concen: 5.885 ug/l
RT: 10.886 min Scan# 11
Delta R.T. -0.036 min
Lab File: VD075162.D
Acq: 20 Jan 2023 19:17

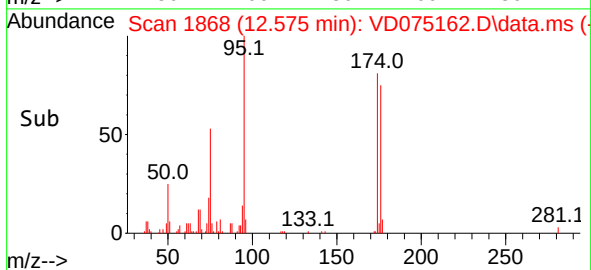
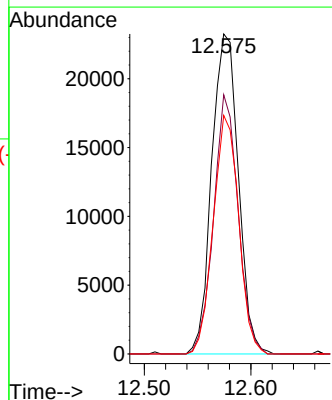
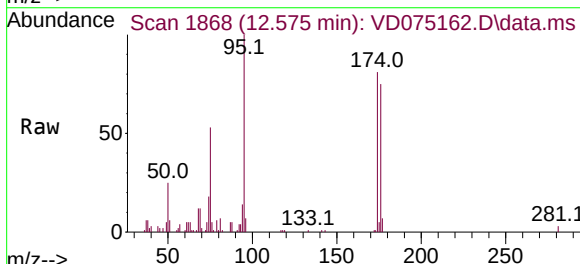
Instrument :
MSVOA_D
ClientSampleId :
B-P38B

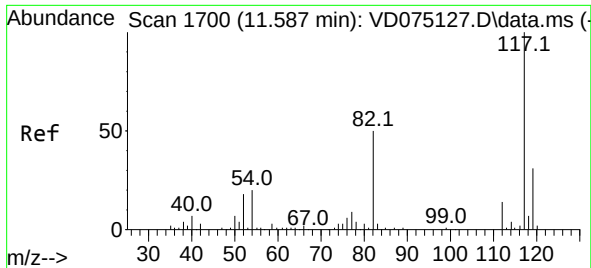
Tgt Ion: 43 Resp: 1375
Ion Ratio Lower Upper
43 100
58 0.0 26.8 80.4#



#62
4-Bromofluorobenzene
Concen: 60.435 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075162.D
Acq: 20 Jan 2023 19:17

Tgt Ion: 95 Resp: 40344
Ion Ratio Lower Upper
95 100
174 74.5 0.0 161.2
176 71.2 0.0 160.2

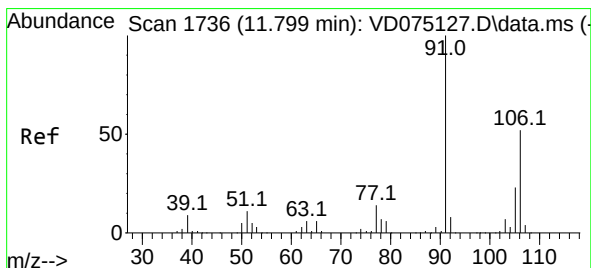
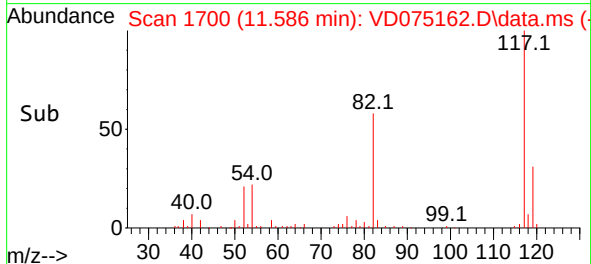
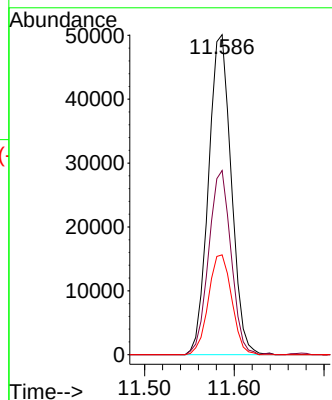
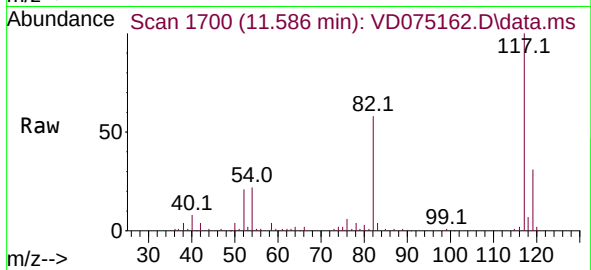




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.586 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD075162.D
Acq: 20 Jan 2023 19:17

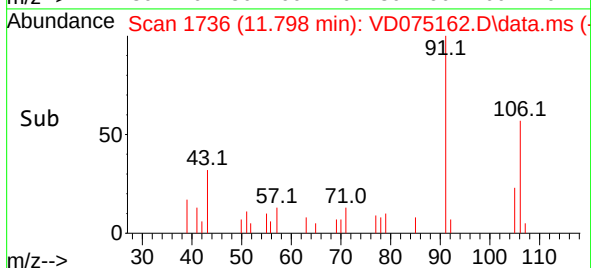
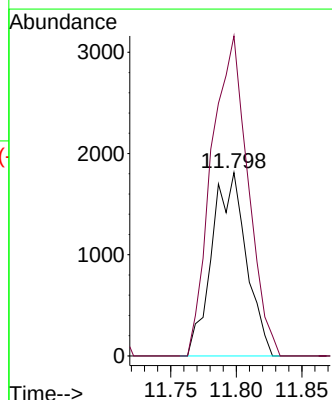
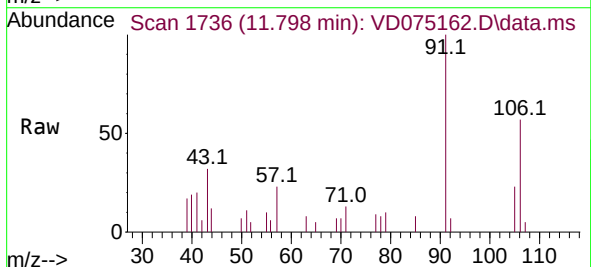
Instrument :
MSVOA_D
ClientSampleId :
B-P38B

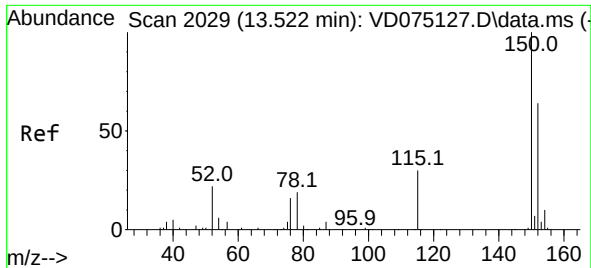
Tgt Ion:117 Resp: 88309
Ion Ratio Lower Upper
117 100
82 57.6 39.6 59.4
119 31.2 24.6 37.0



#68
m/p-Xylenes
Concen: 2.619 ug/l
RT: 11.798 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VD075162.D
Acq: 20 Jan 2023 19:17

Tgt Ion:106 Resp: 3296
Ion Ratio Lower Upper
106 100
91 185.5 160.3 240.5

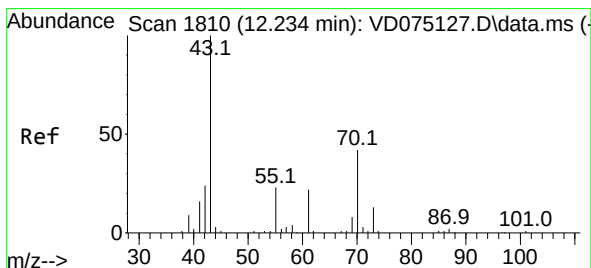
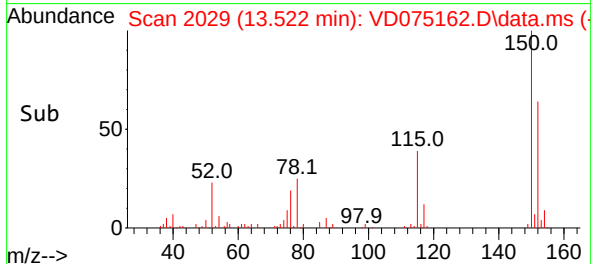
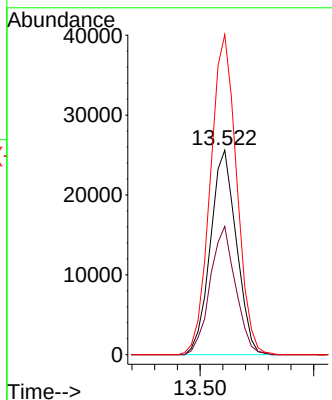
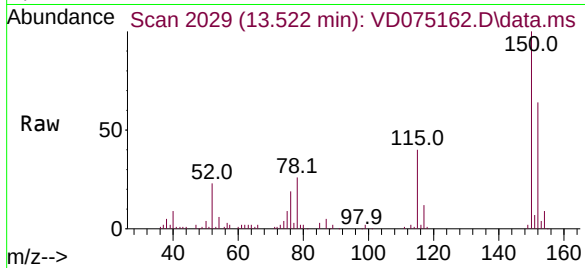




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 2029
 Delta R.T. -0.000 min
 Lab File: VD075162.D
 Acq: 20 Jan 2023 19:17

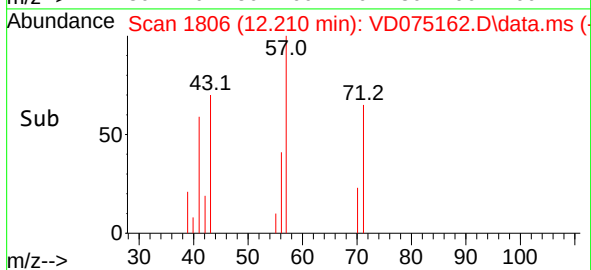
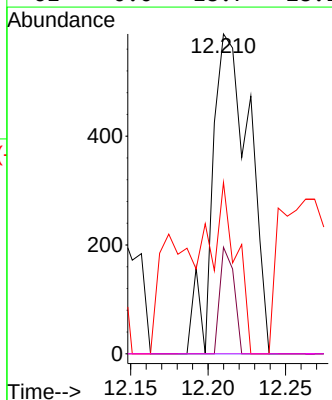
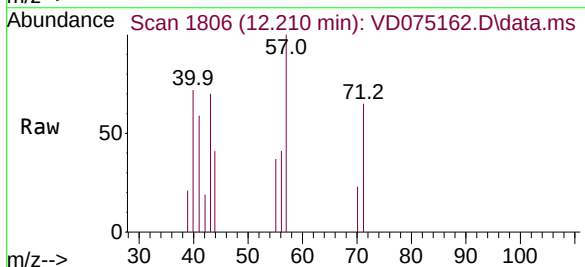
Instrument :
 MSVOA_D
 ClientSampleId :
 B-P38B

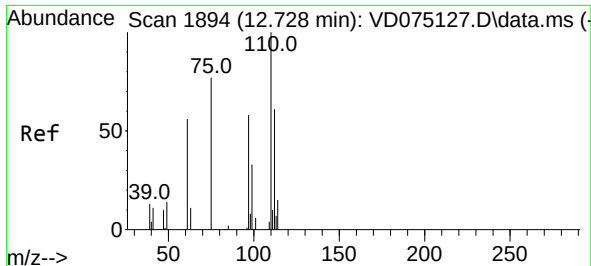
Tgt Ion:152 Resp: 40736
 Ion Ratio Lower Upper
 152 100
 115 61.5 28.8 86.4
 150 158.3 0.0 348.6



#74
 N-ethyl acetate
 Concen: 1.390 ug/l
 RT: 12.210 min Scan# 1806
 Delta R.T. -0.024 min
 Lab File: VD075162.D
 Acq: 20 Jan 2023 19:17

Tgt Ion: 43 Resp: 980
 Ion Ratio Lower Upper
 43 100
 70 12.7 32.6 49.0#
 55 38.7 17.8 26.8#
 61 0.0 18.7 28.1#

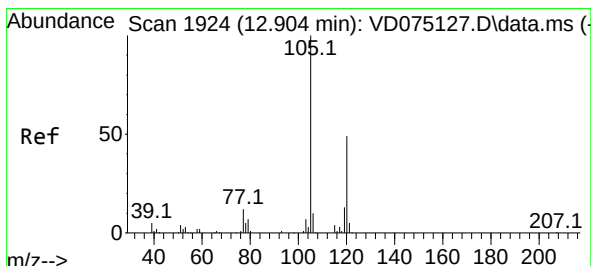
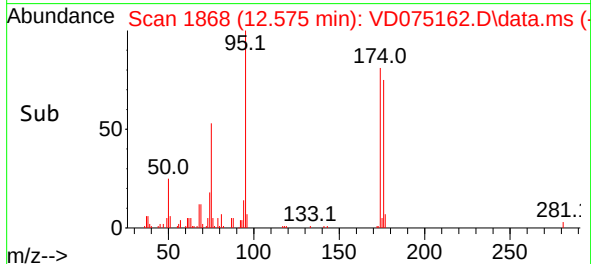
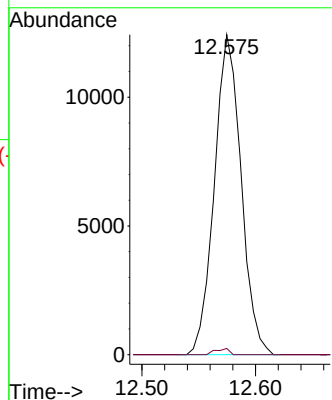
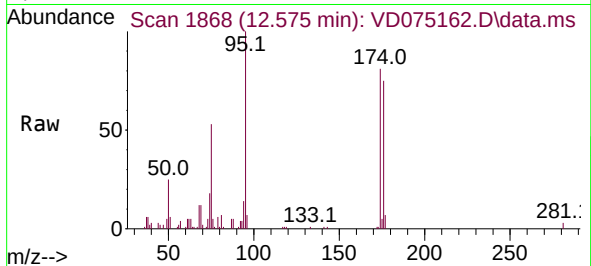




#76
1,2,3-Trichloropropane
Concen: 58.794 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075162.D
Acq: 20 Jan 2023 19:17

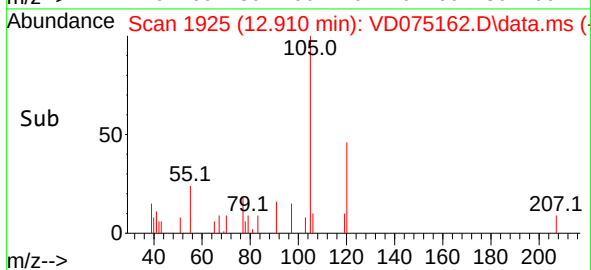
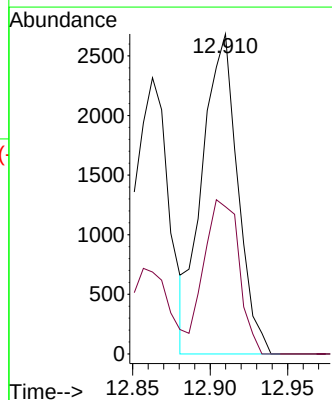
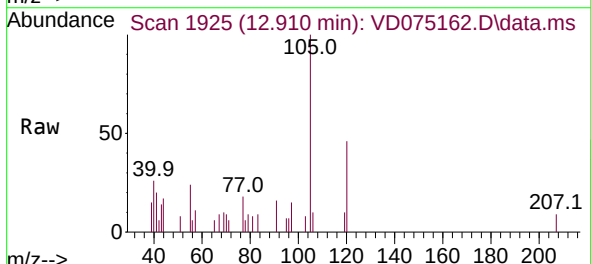
Instrument :
MSVOA_D
ClientSampleId :
B-P38B

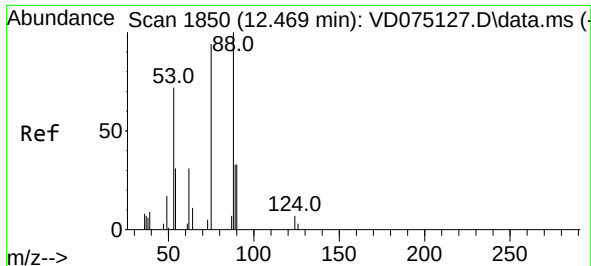
Tgt Ion: 75 Resp: 20284
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.621 ug/l
RT: 12.910 min Scan# 1925
Delta R.T. 0.005 min
Lab File: VD075162.D
Acq: 20 Jan 2023 19:17

Tgt Ion: 105 Resp: 4273
Ion Ratio Lower Upper
105 100
120 47.0 24.6 73.8

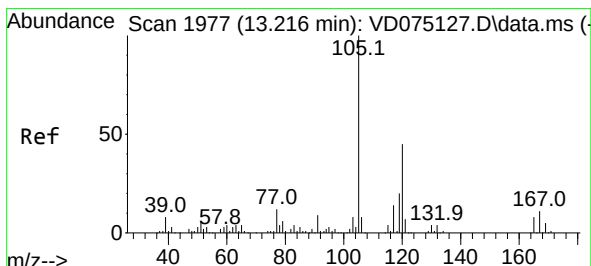
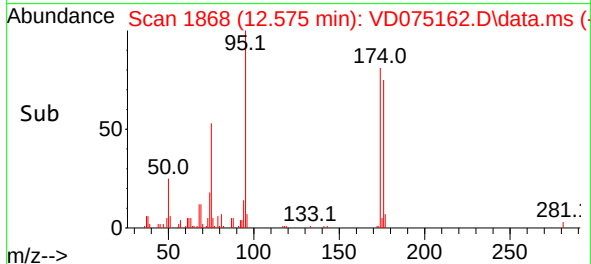
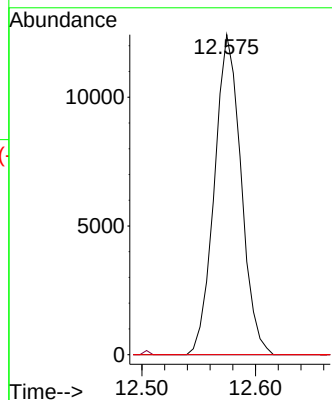
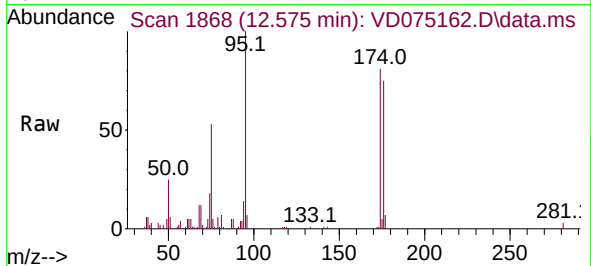




#81
trans-1,4-Dichloro-2-butene
Concen: 136.376 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.105 min
Lab File: VD075162.D
Acq: 20 Jan 2023 19:17

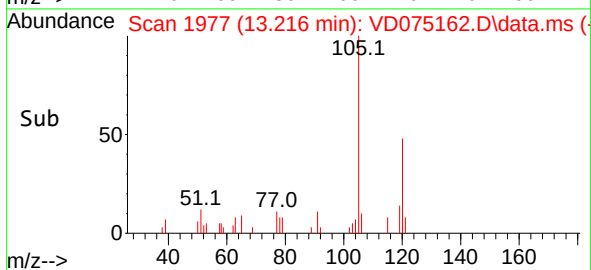
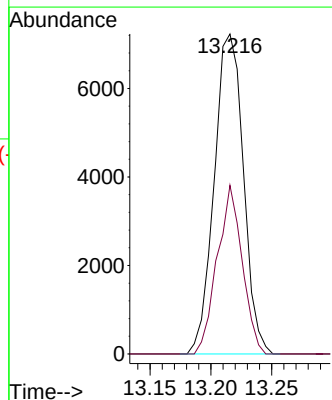
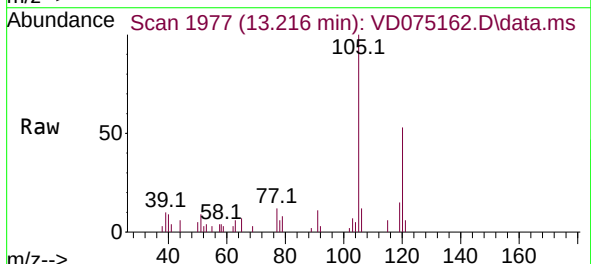
Instrument :
MSVOA_D
ClientSampleId :
B-P38B

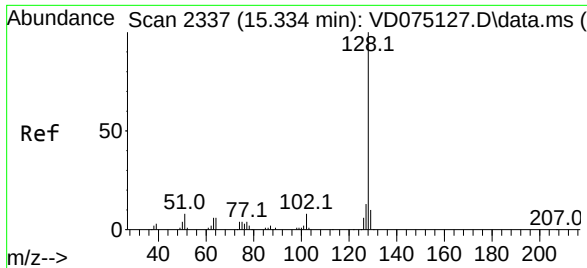
Tgt Ion: 75 Resp: 20284
Ion Ratio Lower Upper
75 100
53 0.0 70.5 105.7#
89 0.0 34.6 52.0#



#84
1,2,4-Trimethylbenzene
Concen: 4.653 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. -0.000 min
Lab File: VD075162.D
Acq: 20 Jan 2023 19:17

Tgt Ion: 105 Resp: 12047
Ion Ratio Lower Upper
105 100
120 45.1 23.2 69.5





#95

Naphthalene

Concen: 4.460 ug/l

RT: 15.339 min Scan# 21

Delta R.T. 0.005 min

Lab File: VD075162.D

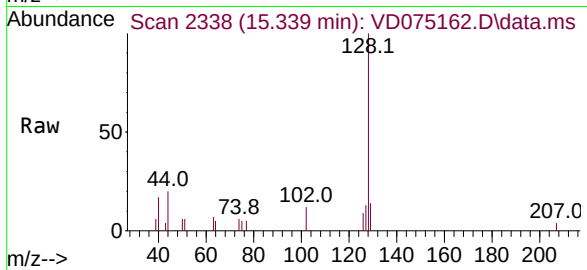
Acq: 20 Jan 2023 19:17

Instrument :

MSVOA_D

ClientSampleId :

B-P38B



Tgt Ion:128 Resp: 7107

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

129 8.7 8.7 13.1

