

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110422\
 Data File : VD074738.D
 Acq On : 04 Nov 2022 15:17
 Operator : VA/SY
 Sample : N5335-02
 Misc : 5.38G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2

Quant Time: Nov 07 00:27:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 03 02:30:45 2022
 Response via : Initial Calibration

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

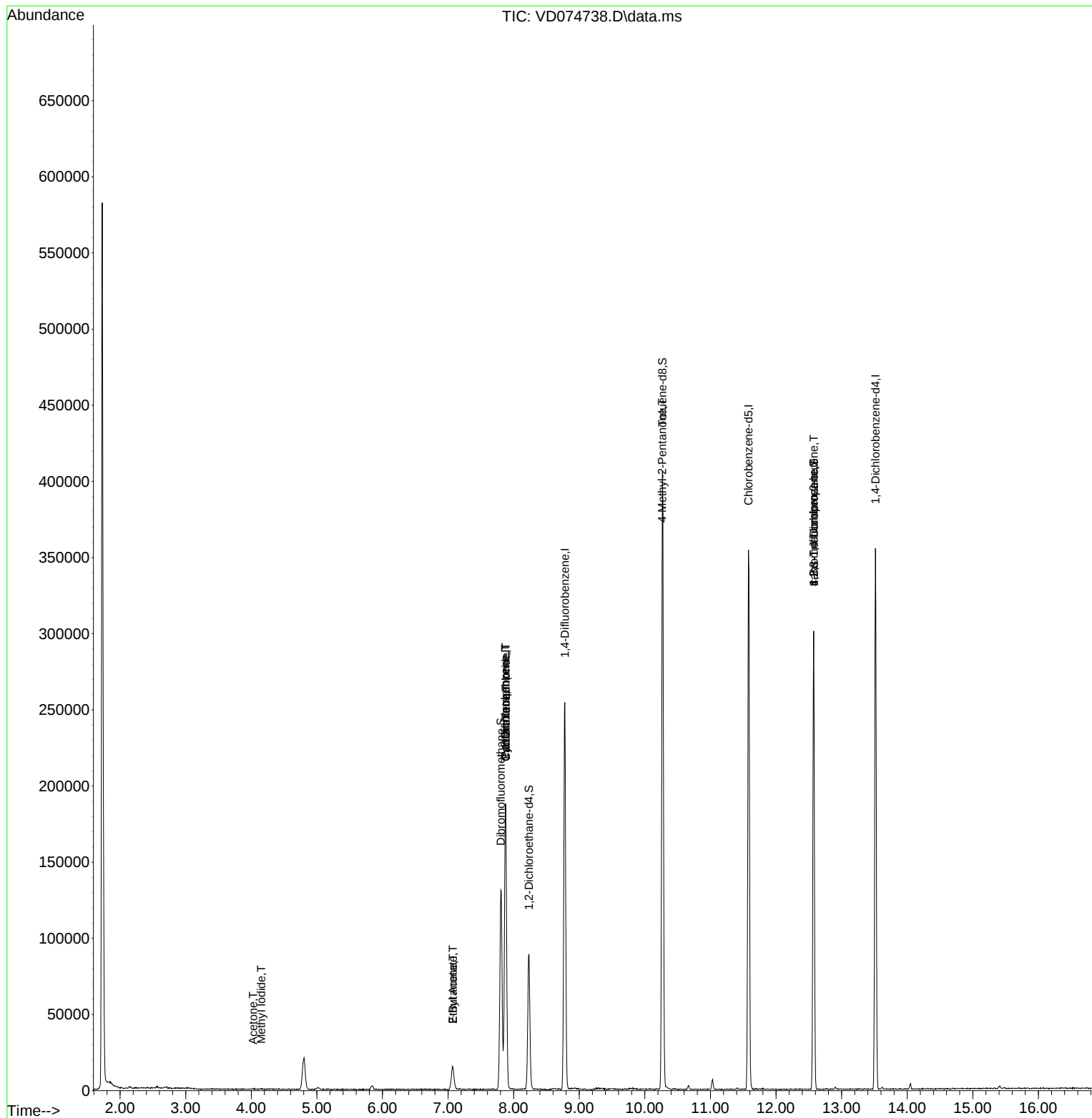
Internal Standards						
1) Pentafluorobenzene	7.875	168	158753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	240951	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	223148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	102457	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	69083	54.943	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.880%			
35) Dibromofluoromethane	7.804	113	97983	68.744	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 137.480%			
50) Toluene-d8	10.269	98	299162	57.541	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 115.080%			
62) 4-Bromofluorobenzene	12.575	95	90266	60.131	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 120.260%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.152	142	297	5.678	ug/l #	43
11) Tert butyl alcohol	5.010	59	578	Below Cal	#	84
16) Acetone	4.028	43	407	1.551	ug/l #	37
20) Methylene Chloride	4.804	84	18735	Below Cal		92
25) 2-Butanone	7.075	43	1030	2.855	ug/l #	42
31) Cyclohexane	7.881	56	2653	1.042	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	10977	5.074	ug/l #	48
37) Ethyl Acetate	7.075	43	1030	1.427	ug/l #	40
38) Carbon Tetrachloride	7.881	117	14541	7.094	ug/l #	19
51) 4-Methyl-2-Pentanone	10.263	43	851	1.307	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	44503	56.031	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	44503	133.005	ug/l #	17

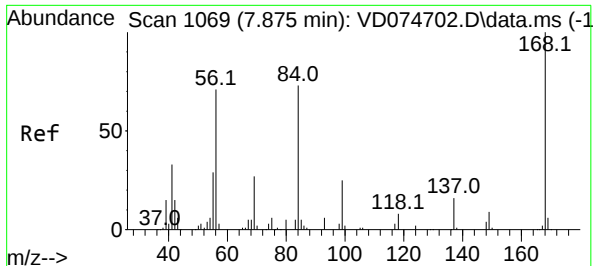
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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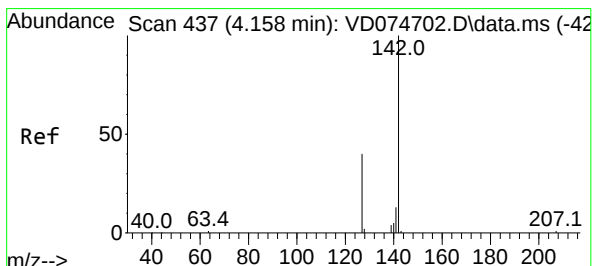
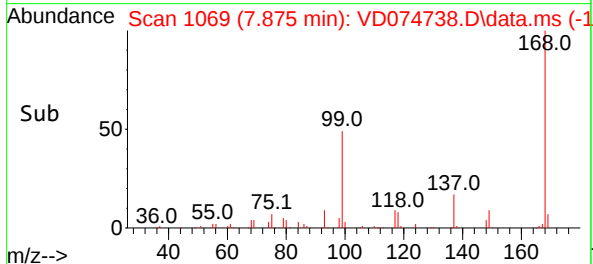
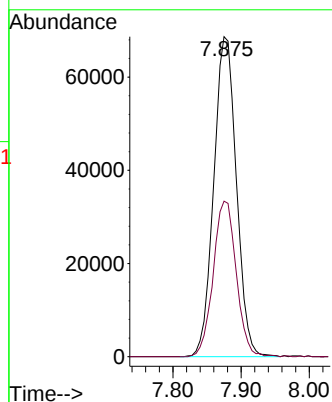
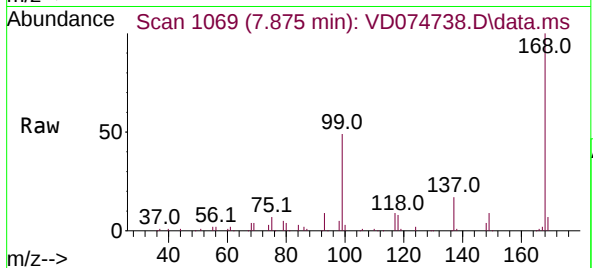




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD074738.D
Acq: 04 Nov 2022 15:17

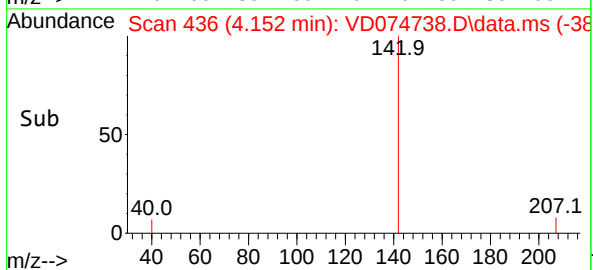
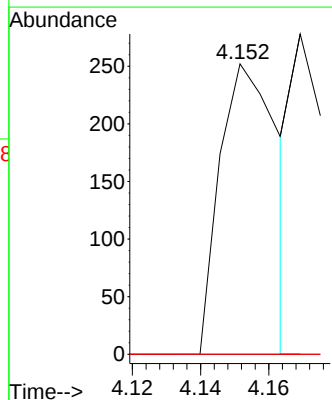
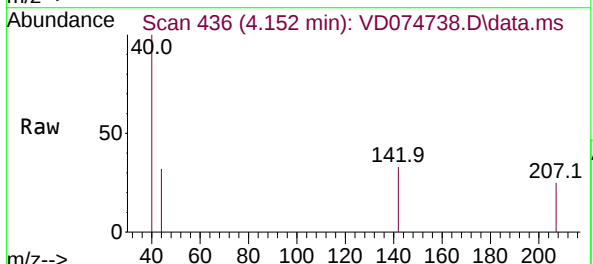
Instrument :
MSVOA_D
ClientSampleId :
SB-2

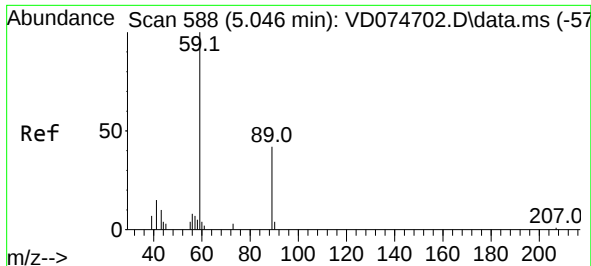
Tgt Ion:168 Resp: 158753
Ion Ratio Lower Upper
168 100
99 48.6 40.9 61.3



#10
Methyl Iodide
Concen: 5.678 ug/l
RT: 4.152 min Scan# 436
Delta R.T. -0.006 min
Lab File: VD074738.D
Acq: 04 Nov 2022 15:17

Tgt Ion:142 Resp: 297
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.010 min Scan# 51

Delta R.T. -0.036 min

Lab File: VD074738.D

Acq: 04 Nov 2022 15:17

Instrument :

MSVOA_D

ClientSampleId :

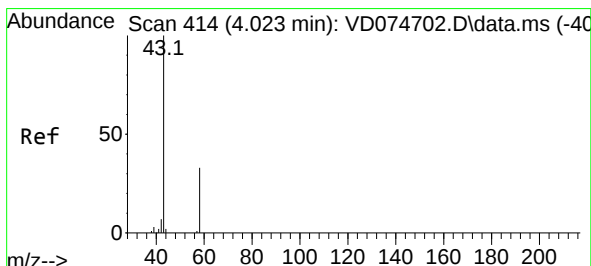
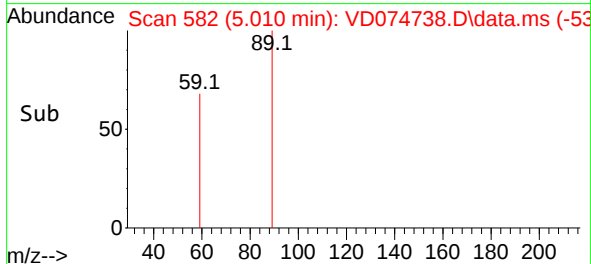
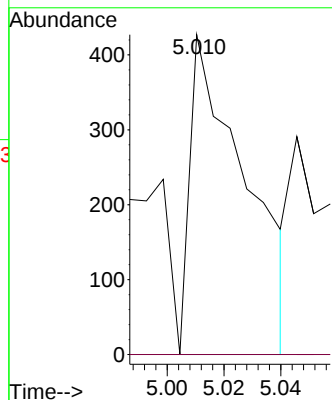
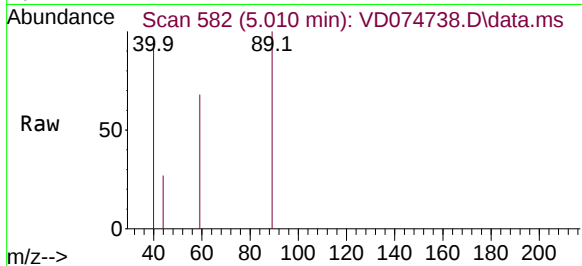
SB-2

Tgt Ion: 59 Resp: 578

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 1.551 ug/l

RT: 4.028 min Scan# 415

Delta R.T. 0.005 min

Lab File: VD074738.D

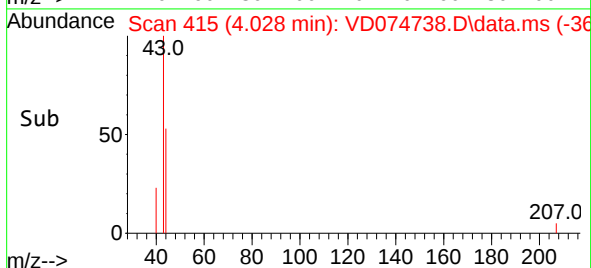
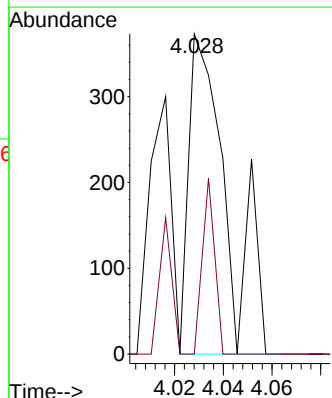
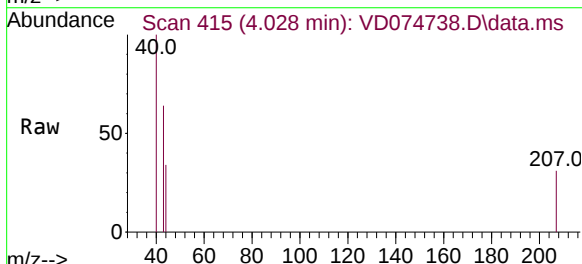
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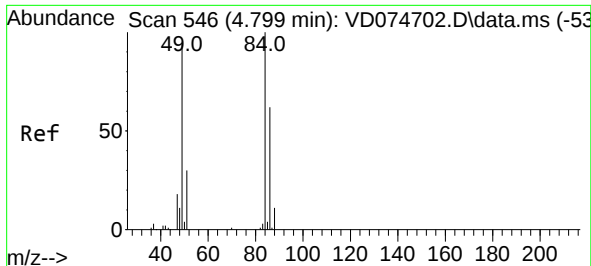
Tgt Ion: 43 Resp: 407

Ion Ratio Lower Upper

43 100

58 0.0 30.2 45.2#

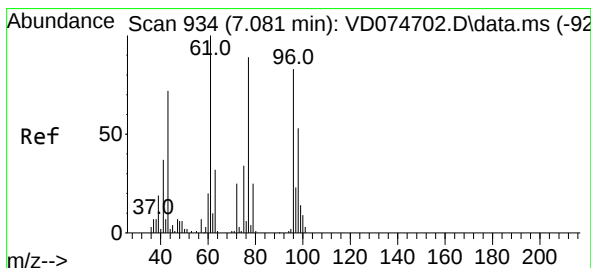
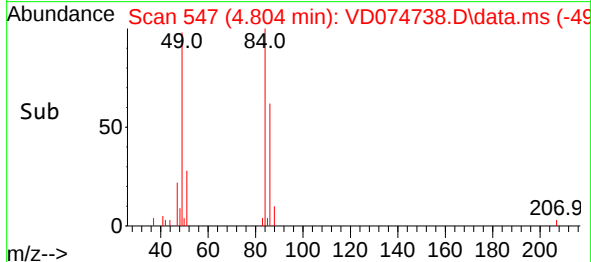
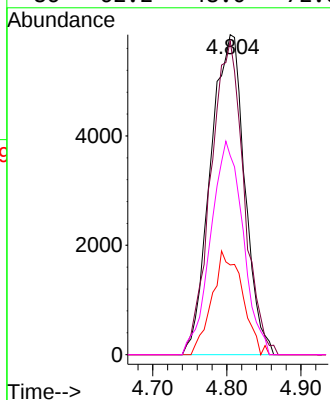
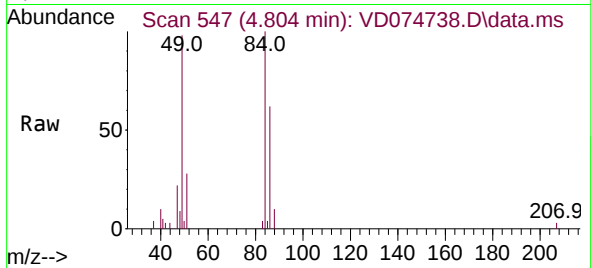




#20
Methylene Chloride
Concen: Below Cal
RT: 4.804 min Scan# 546
Delta R.T. 0.005 min
Lab File: VD074738.D
Acq: 04 Nov 2022 15:17

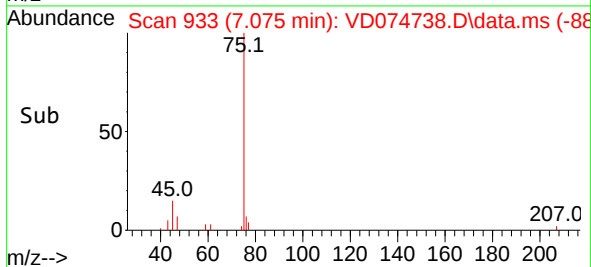
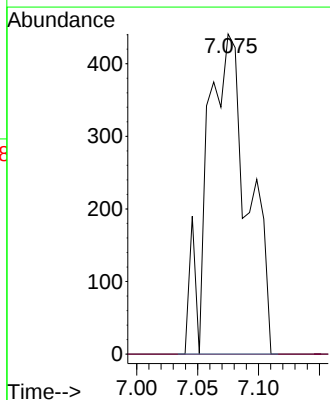
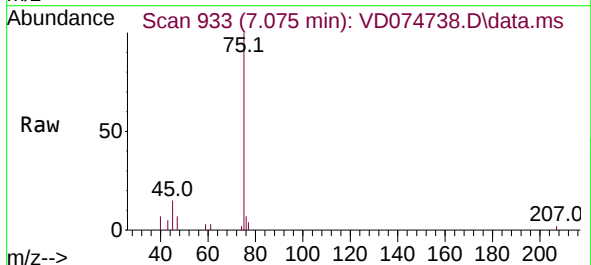
Instrument :
MSVOA_D
ClientSampleId :
SB-2

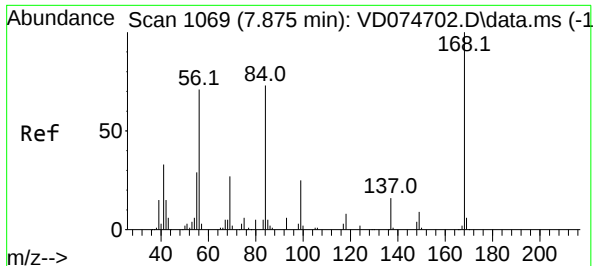
Tgt Ion: 84 Resp: 18735
Ion Ratio Lower Upper
84 100
49 98.0 68.0 102.0
51 28.0 23.2 34.8
86 62.2 48.0 72.0



#25
2-Butanone
Concen: 2.855 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD074738.D
Acq: 04 Nov 2022 15:17

Tgt Ion: 43 Resp: 1030
Ion Ratio Lower Upper
43 100
72 0.0 25.8 38.8#

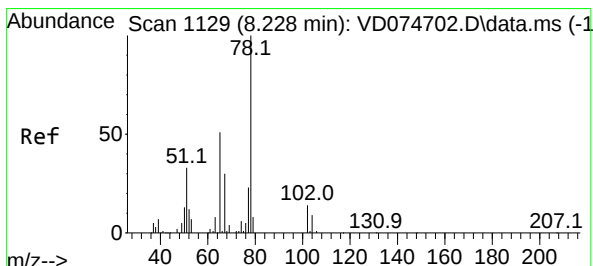
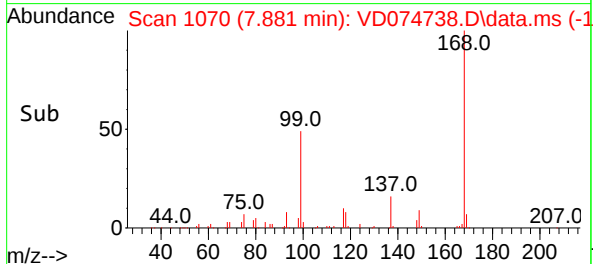
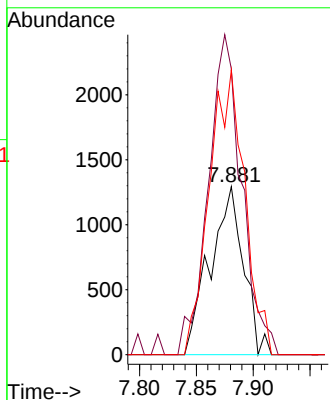
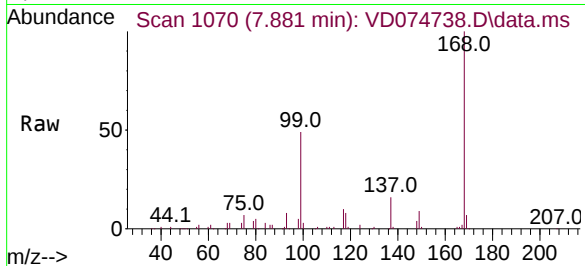




#31
Cyclohexane
Concen: 1.042 ug/l
RT: 7.881 min Scan# 110
Delta R.T. 0.006 min
Lab File: VD074738.D
Acq: 04 Nov 2022 15:17

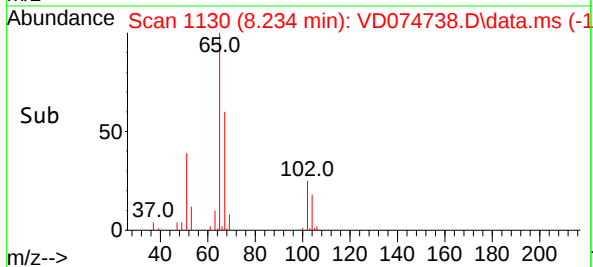
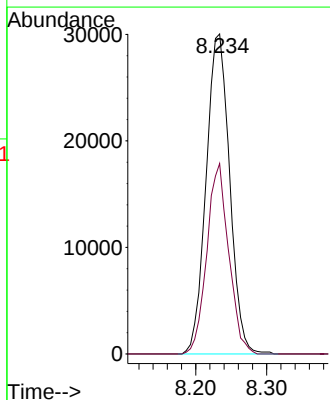
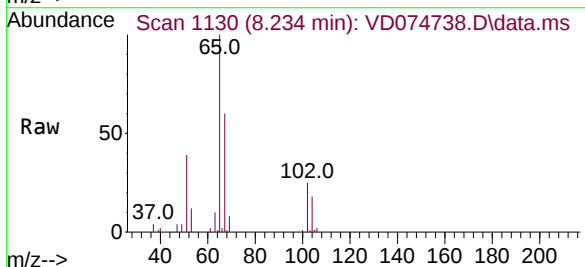
Instrument :
MSVOA_D
ClientSampleId :
SB-2

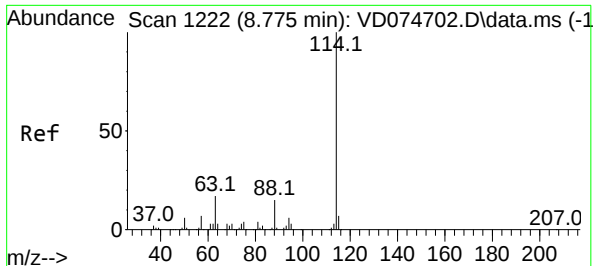
Tgt Ion: 56 Resp: 2653
Ion Ratio Lower Upper
56 100
69 170.1 29.2 43.8#
84 169.5 83.4 125.2#



#33
1,2-Dichloroethane-d4
Concen: 54.943 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD074738.D
Acq: 04 Nov 2022 15:17

Tgt Ion: 65 Resp: 69083
Ion Ratio Lower Upper
65 100
67 55.3 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD074738.D

Acq: 04 Nov 2022 15:17

Instrument :

MSVOA_D

ClientSampleId :

SB-2

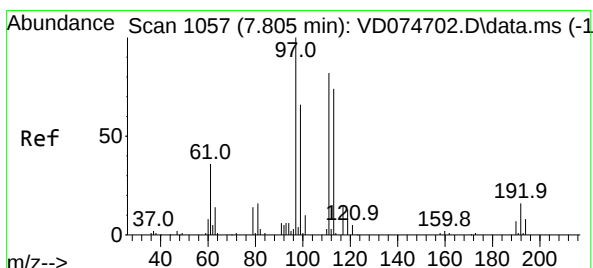
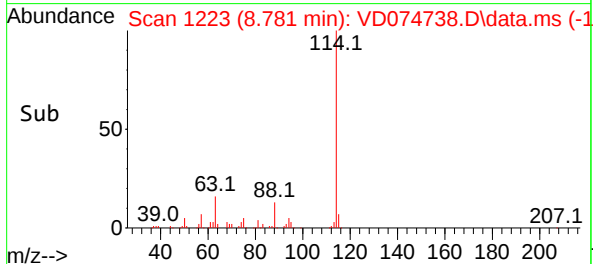
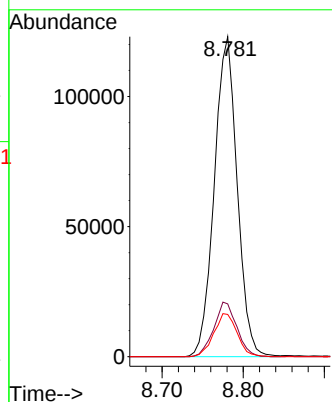
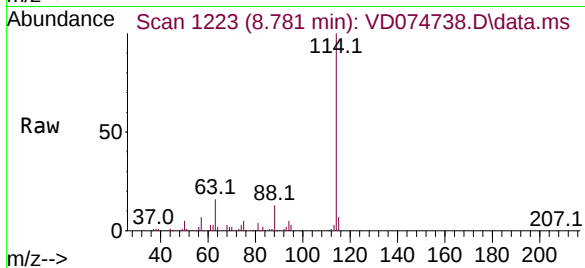
Tgt Ion:114 Resp: 240951

Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.2

88 13.2 0.0 28.2



#35

Dibromofluoromethane

Concen: 68.744 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD074738.D

Acq: 04 Nov 2022 15:17

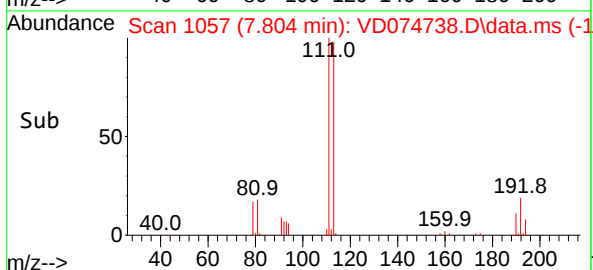
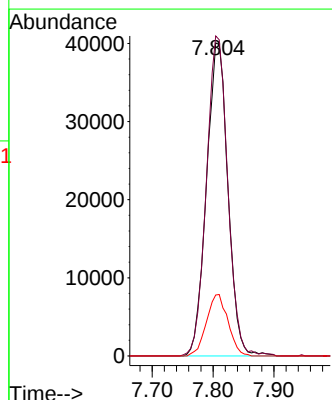
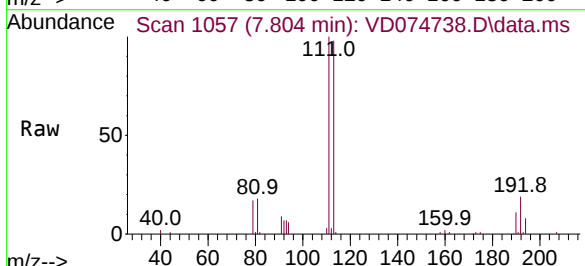
Tgt Ion:113 Resp: 97983

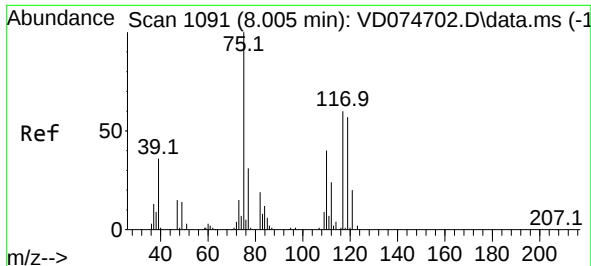
Ion Ratio Lower Upper

113 100

111 101.6 82.3 123.5

192 19.7 16.4 24.6





#36

1,1-Dichloropropene

Concen: 5.074 ug/l

RT: 7.875 min Scan# 1097

Delta R.T. -0.130 min

Lab File: VD074738.D

Acq: 04 Nov 2022 15:17

Instrument :

MSVOA_D

ClientSampleId :

SB-2

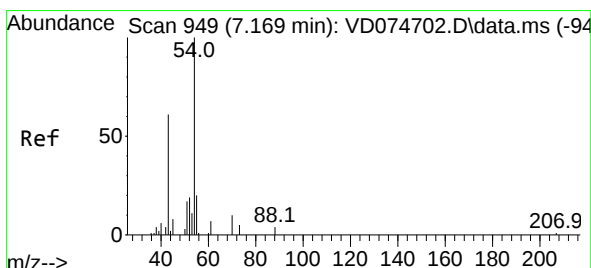
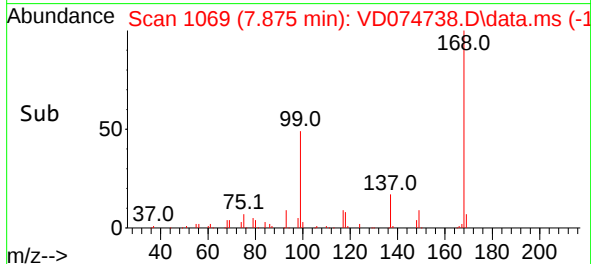
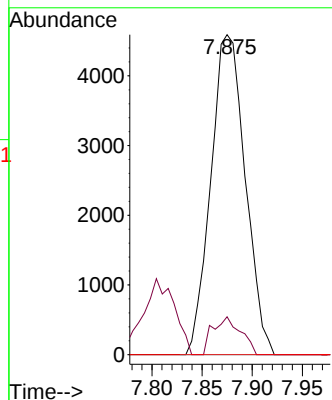
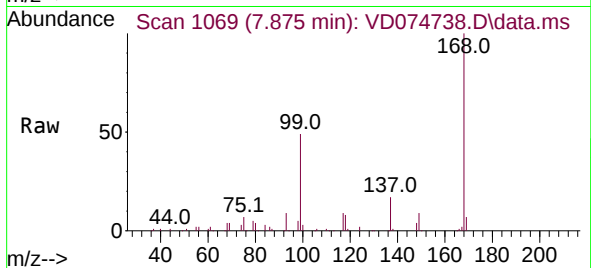
Tgt Ion: 75 Resp: 10977

Ion Ratio Lower Upper

75 100

110 9.6 19.7 59.0#

77 0.0 25.4 38.2#



#37

Ethyl Acetate

Concen: 1.427 ug/l

RT: 7.075 min Scan# 933

Delta R.T. -0.094 min

Lab File: VD074738.D

Acq: 04 Nov 2022 15:17

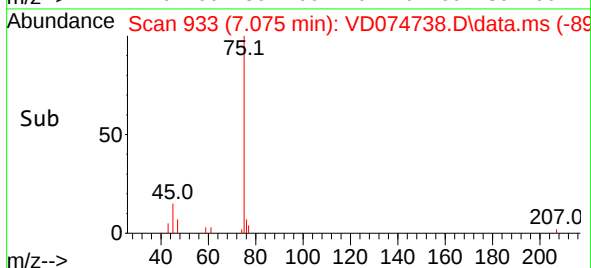
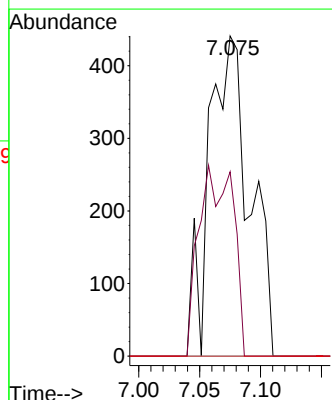
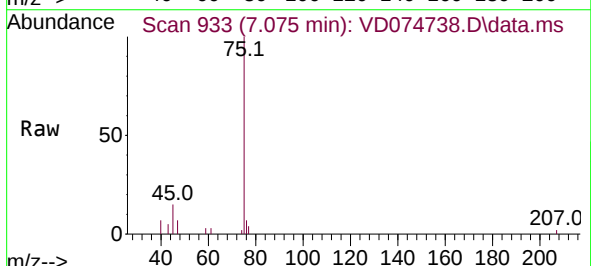
Tgt Ion: 43 Resp: 1030

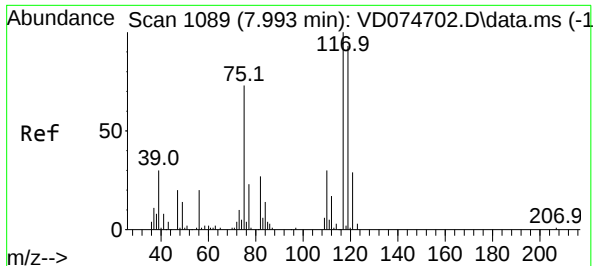
Ion Ratio Lower Upper

43 100

61 49.8 12.2 18.4#

70 0.0 9.6 14.4#

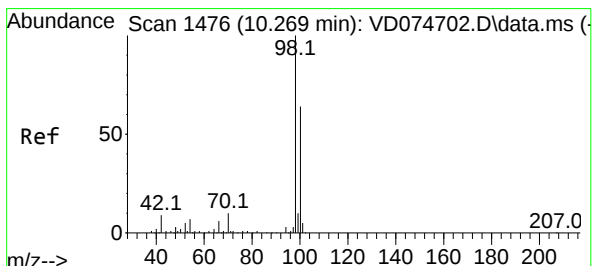
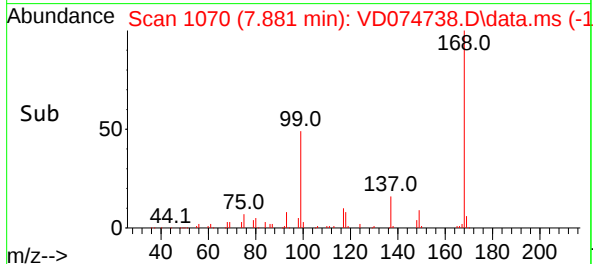
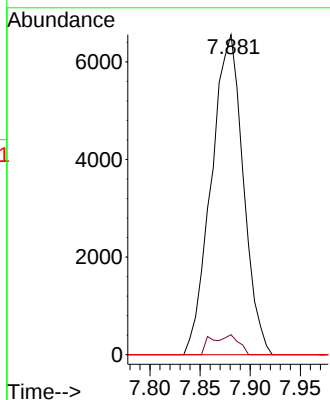
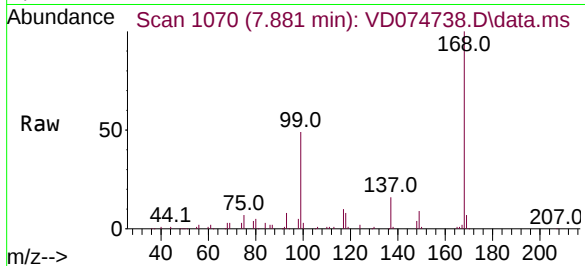




#38
Carbon Tetrachloride
Concen: 7.094 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD074738.D
Acq: 04 Nov 2022 15:17

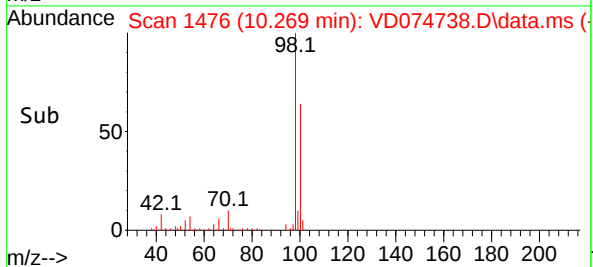
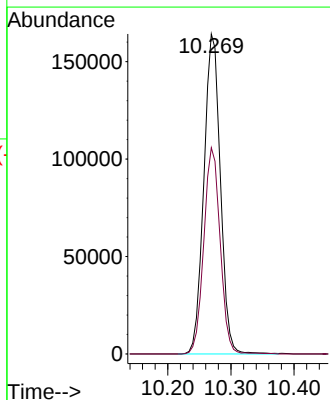
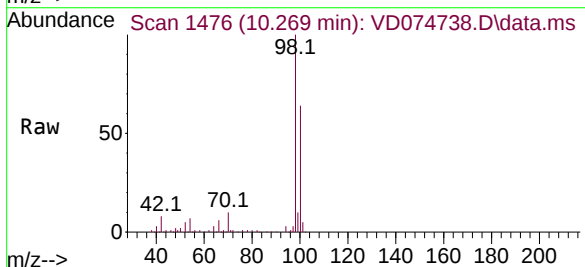
Instrument :
MSVOA_D
ClientSampleId :
SB-2

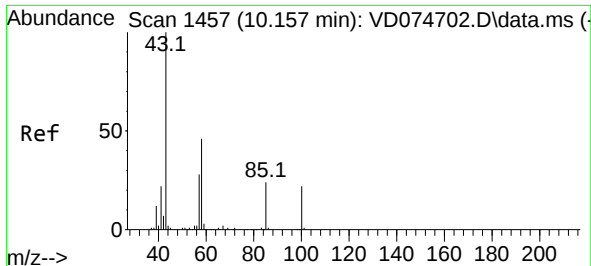
Tgt Ion:117 Resp: 14541
Ion Ratio Lower Upper
117 100
119 6.3 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 57.541 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD074738.D
Acq: 04 Nov 2022 15:17

Tgt Ion: 98 Resp: 299162
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.0

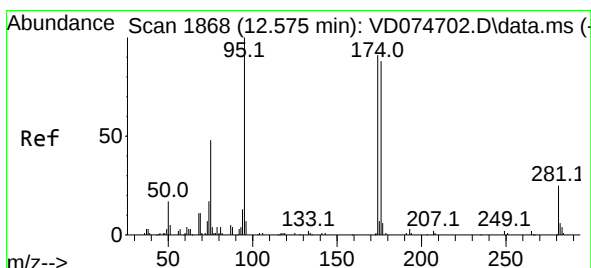
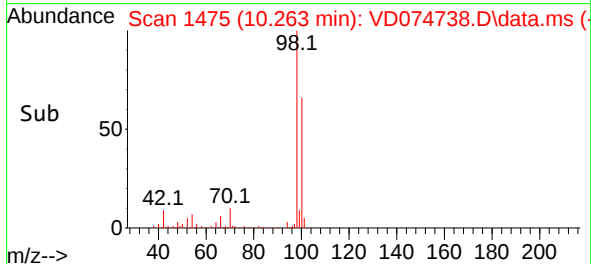
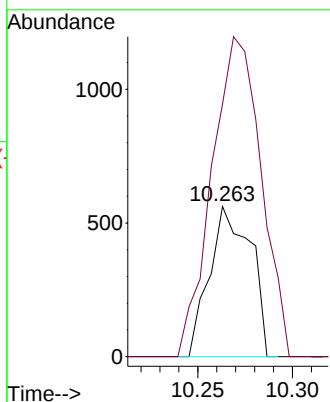
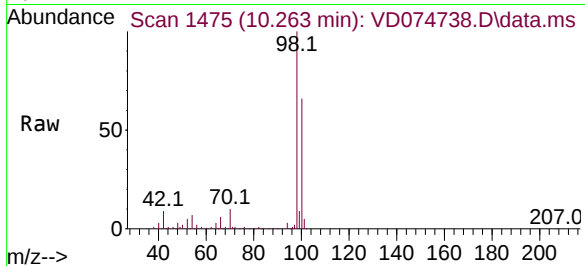




#51
4-Methyl-2-Pentanone
Concen: 1.307 ug/l
RT: 10.263 min Scan# 1457
Delta R.T. 0.106 min
Lab File: VD074738.D
Acq: 04 Nov 2022 15:17

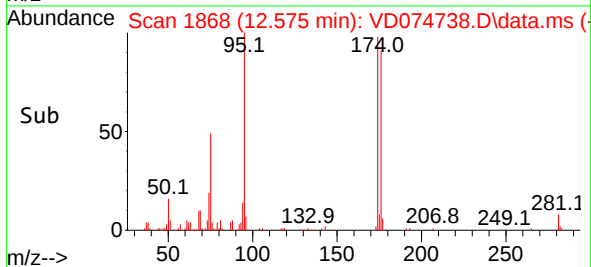
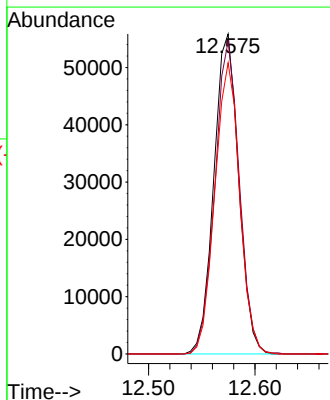
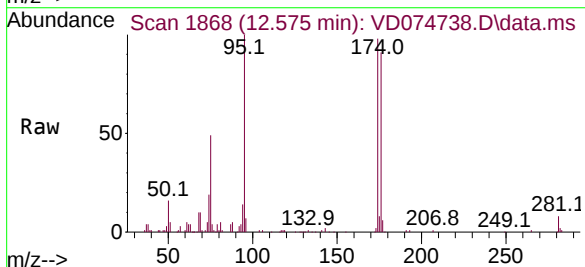
Instrument :
MSVOA_D
ClientSampleId :
SB-2

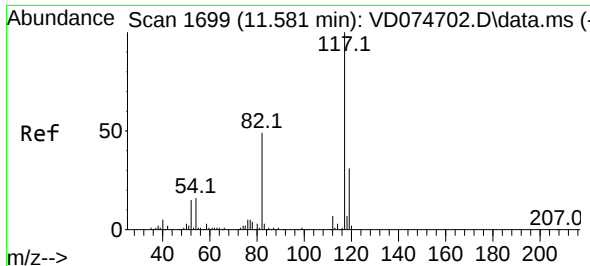
Tgt Ion: 43 Resp: 851
Ion Ratio Lower Upper
43 100
58 254.6 37.8 56.6#



#62
4-Bromofluorobenzene
Concen: 60.131 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074738.D
Acq: 04 Nov 2022 15:17

Tgt Ion: 95 Resp: 90266
Ion Ratio Lower Upper
95 100
174 96.5 0.0 197.0
176 90.7 0.0 182.6

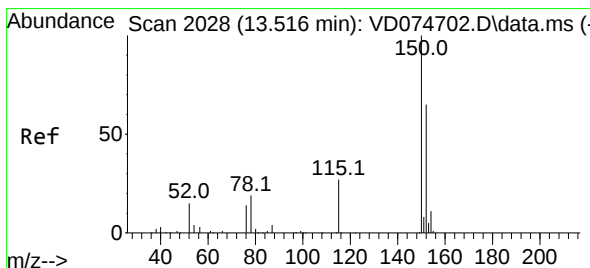
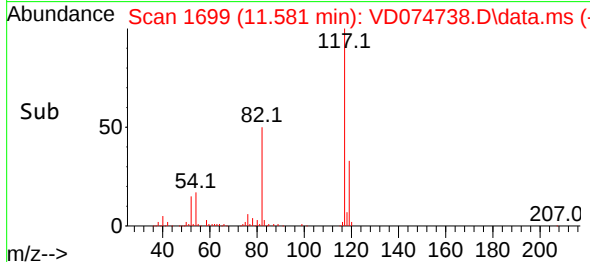
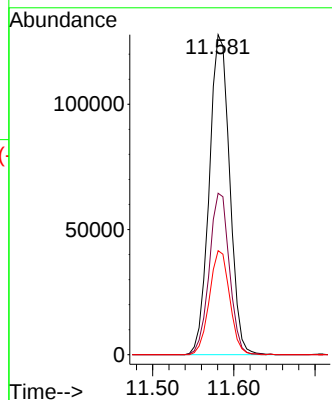
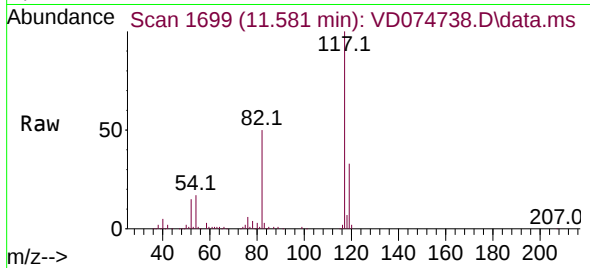




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD074738.D
Acq: 04 Nov 2022 15:17

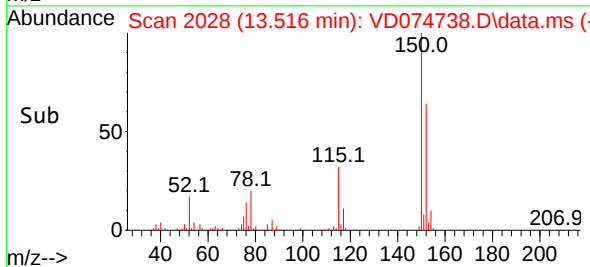
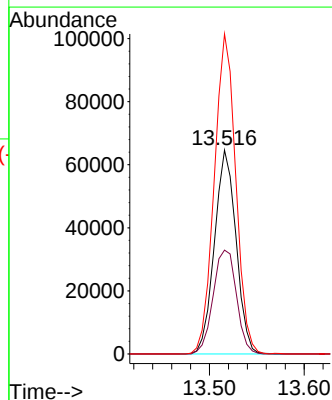
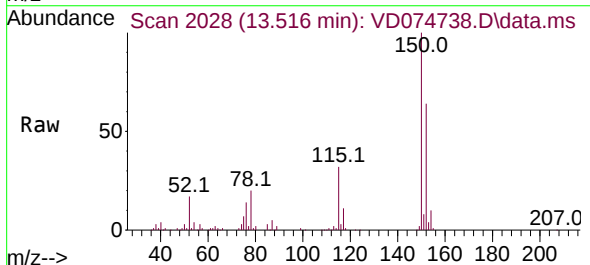
Instrument :
MSVOA_D
ClientSampleId :
SB-2

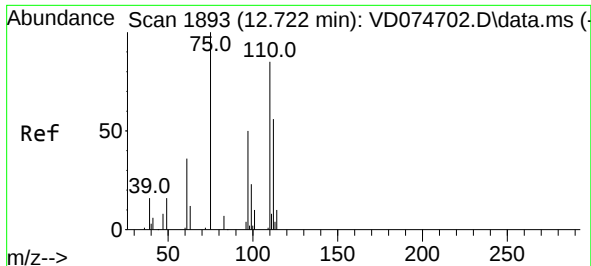
Tgt Ion:117 Resp: 223148
Ion Ratio Lower Upper
117 100
82 50.5 41.6 62.4
119 32.5 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD074738.D
Acq: 04 Nov 2022 15:17

Tgt Ion:152 Resp: 102457
Ion Ratio Lower Upper
152 100
115 54.9 26.8 80.4
150 156.1 0.0 348.2

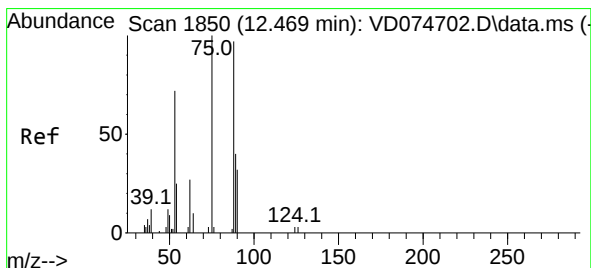
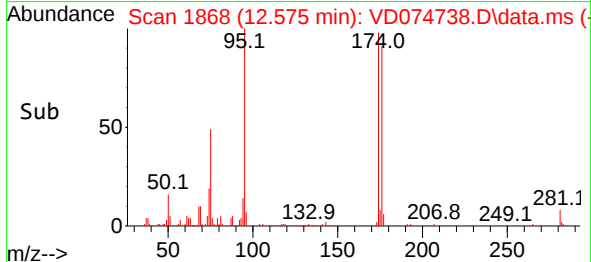
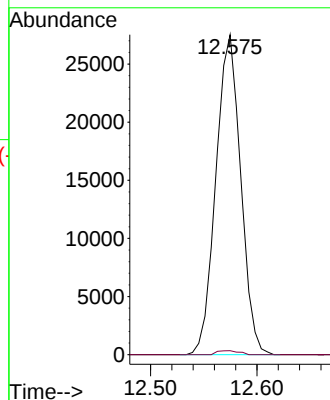
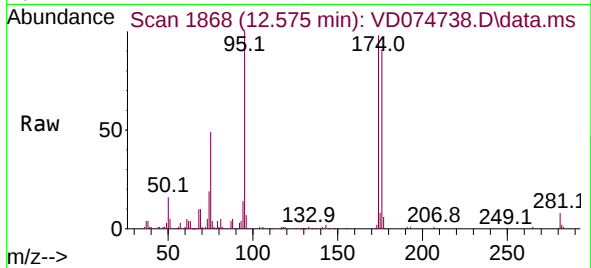




#76
1,2,3-Trichloropropane
Concen: 56.031 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD074738.D
Acq: 04 Nov 2022 15:17

Instrument :
MSVOA_D
ClientSampleId :
SB-2

Tgt Ion: 75 Resp: 44503
Ion Ratio Lower Upper
75 100
77 1.1 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.005 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074738.D
Acq: 04 Nov 2022 15:17

Tgt Ion: 75 Resp: 44503
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

