

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021723\
 Data File : VD075355.D
 Acq On : 17 Feb 2023 14:57
 Operator : KP/SY
 Sample : 01593-03
 Misc : 5.89G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-26-SB01

Quant Time: Feb 18 01:06:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 04:26:58 2023
 Response via : Initial Calibration

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

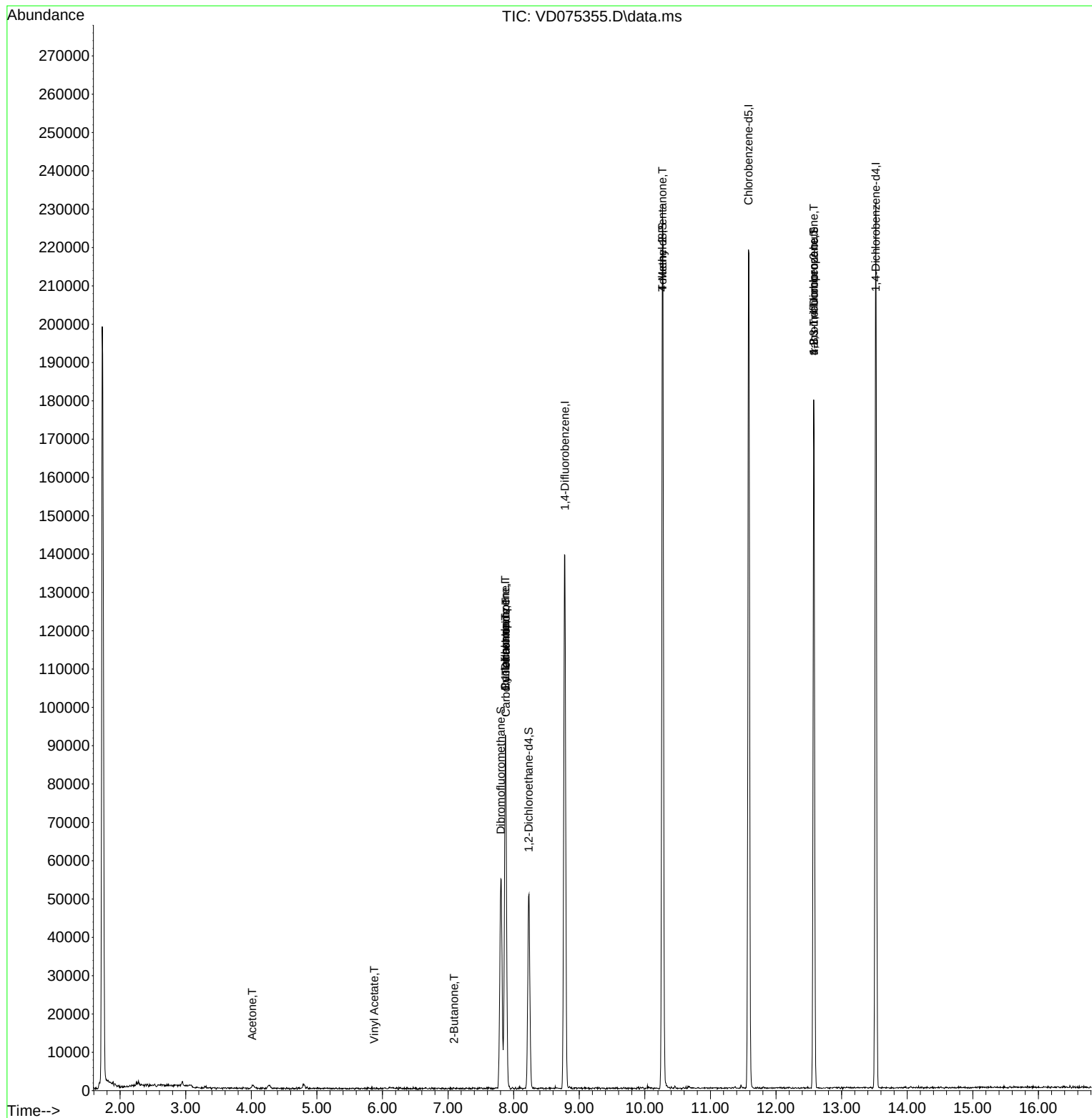
Internal Standards						
1) Pentafluorobenzene	7.875	168	68331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	119302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	124470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	57257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	39168	48.884	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.760%		
35) Dibromofluoromethane	7.804	113	38940	46.549	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.100%		
50) Toluene-d8	10.269	98	151529	47.764	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.520%		
62) 4-Bromofluorobenzene	12.575	95	52822	50.495	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.000%		
Target Compounds						
3) Chloromethane	2.146	50	194	Below Cal	#	41
16) Acetone	4.016	43	1753	8.274	ug/l	89
20) Methylene Chloride	4.787	84	739	Below Cal	#	68
23) Vinyl Acetate	5.875	43	56	15.751	ug/l	# 70
25) 2-Butanone	7.093	43	358	1.364	ug/l	# 50
31) Cyclohexane	7.875	56	2090	1.469	ug/l	# 30
36) 1,1-Dichloropropene	7.875	75	5607	4.303	ug/l	# 47
38) Carbon Tetrachloride	7.881	117	6835	5.660	ug/l	# 17
51) 4-Methyl-2-Pentanone	10.269	43	802	1.461	ug/l	# 1
76) 1,2,3-Trichloropropane	12.575	75	29405	45.214	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	29405	142.709	ug/l	# 14

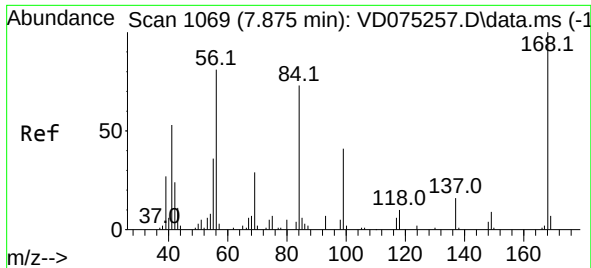
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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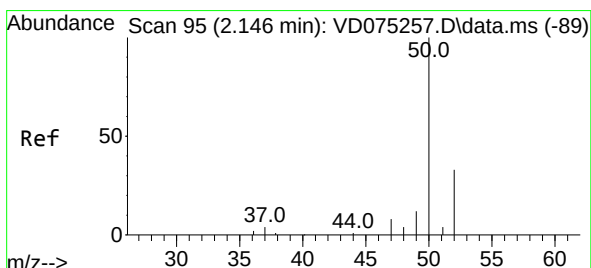
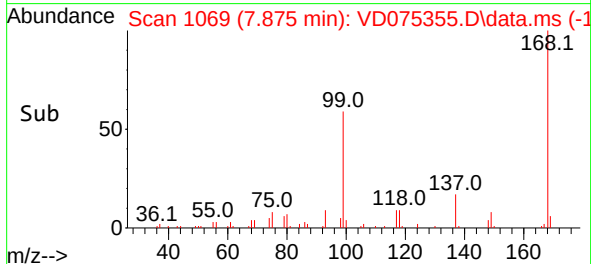
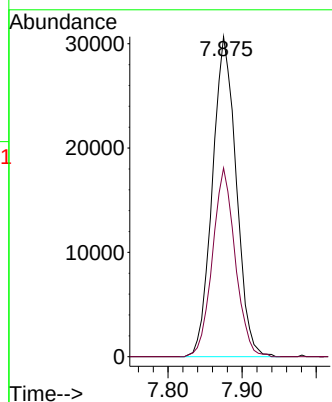
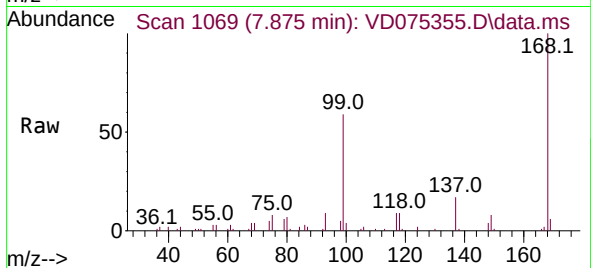




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD075355.D
Acq: 17 Feb 2023 14:57

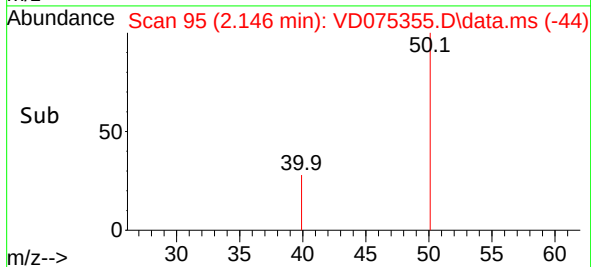
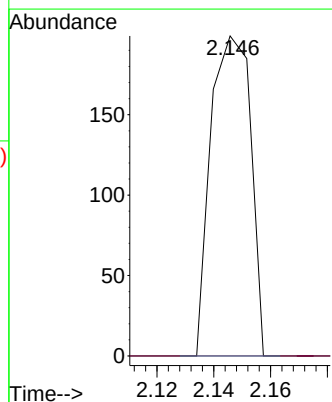
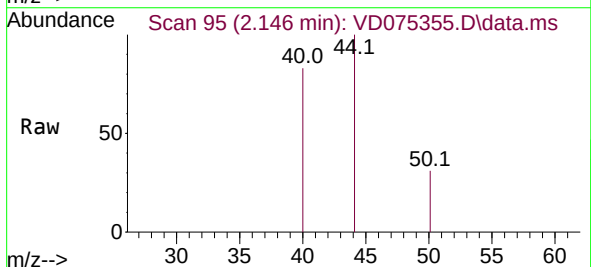
Instrument :
MSVOA_D
ClientSampleId :
B-26-SB01

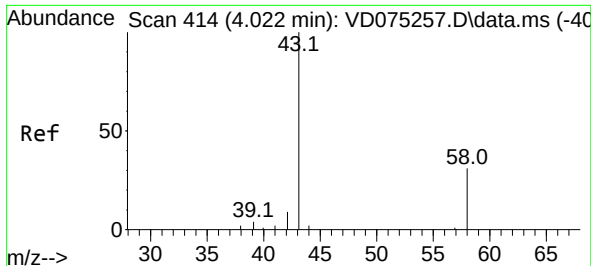
Tgt Ion:168 Resp: 68331
Ion Ratio Lower Upper
168 100
99 58.9 45.2 67.8



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD075355.D
Acq: 17 Feb 2023 14:57

Tgt Ion: 50 Resp: 194
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#





#16

Acetone

Concen: 8.274 ug/l

RT: 4.016 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD075355.D

Acq: 17 Feb 2023 14:57

Instrument :

MSVOA_D

ClientSampleId :

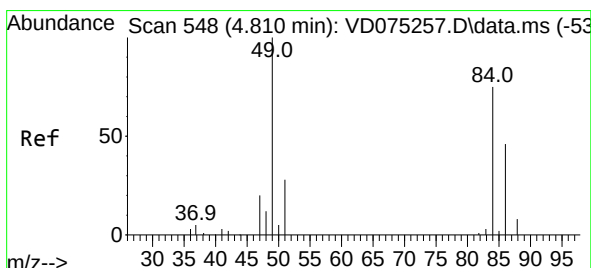
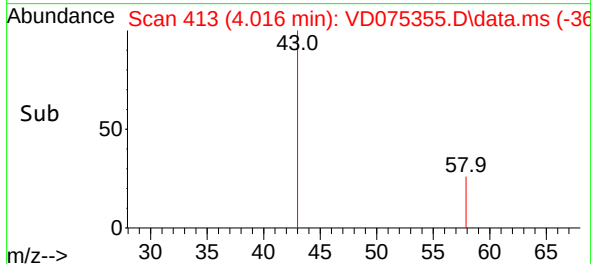
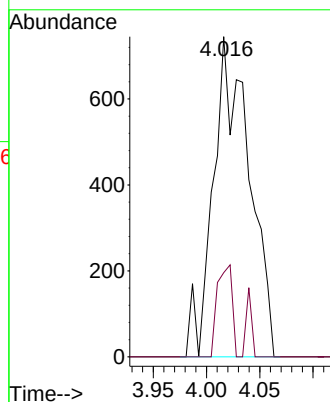
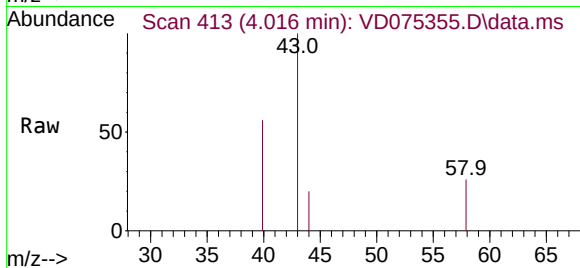
B-26-SB01

Tgt Ion: 43 Resp: 1753

Ion Ratio Lower Upper

43 100

58 26.3 26.0 39.0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.787 min Scan# 544

Delta R.T. -0.023 min

Lab File: VD075355.D

Acq: 17 Feb 2023 14:57

Tgt Ion: 84 Resp: 739

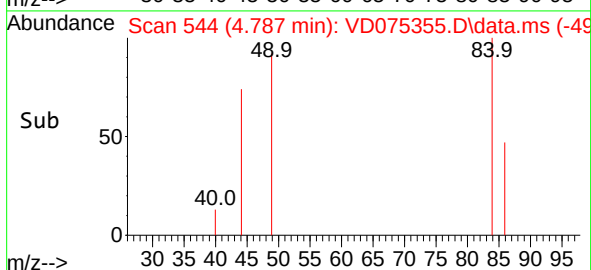
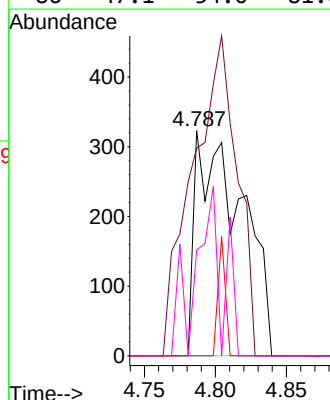
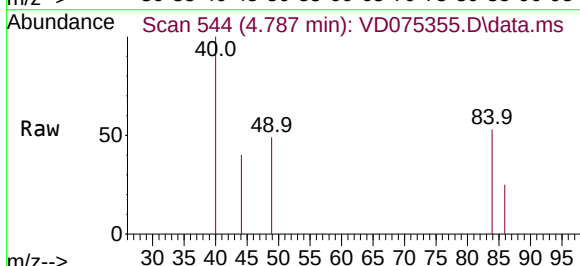
Ion Ratio Lower Upper

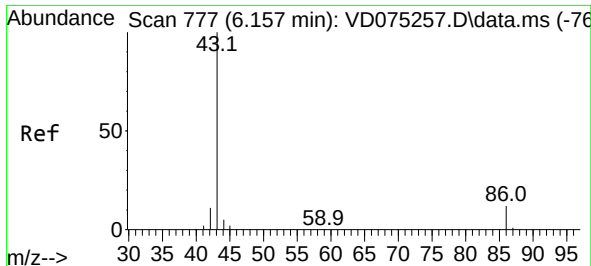
84 100

49 92.3 97.0 145.6#

51 0.0 30.9 46.3#

86 47.1 54.0 81.0#

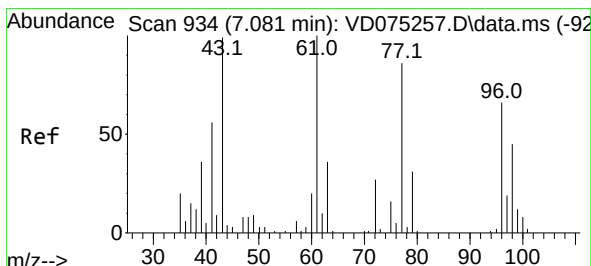
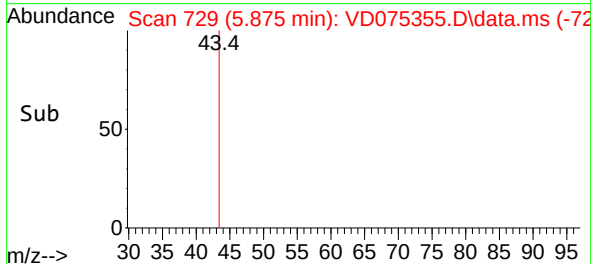
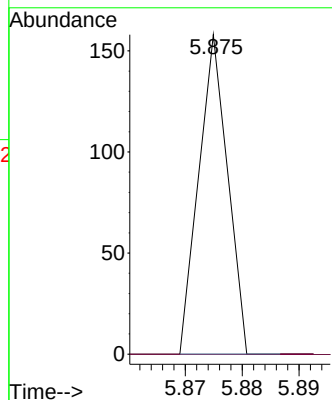
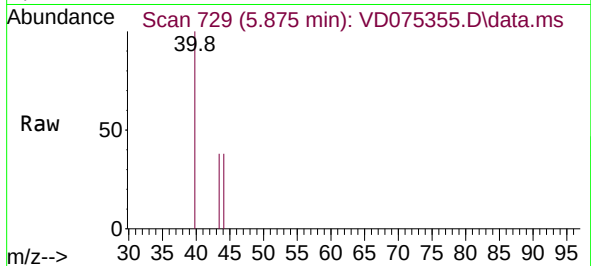




#23
 Vinyl Acetate
 Concen: 15.751 ug/l
 RT: 5.875 min Scan# 71
 Delta R.T. -0.282 min
 Lab File: VD075355.D
 Acq: 17 Feb 2023 14:57

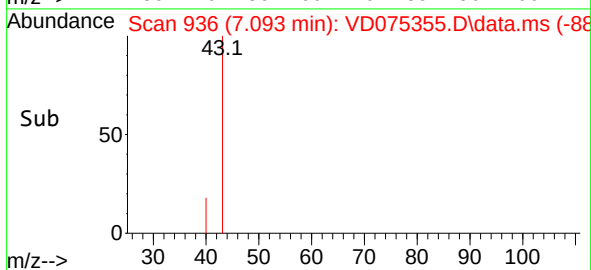
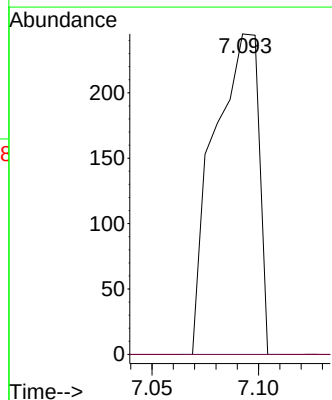
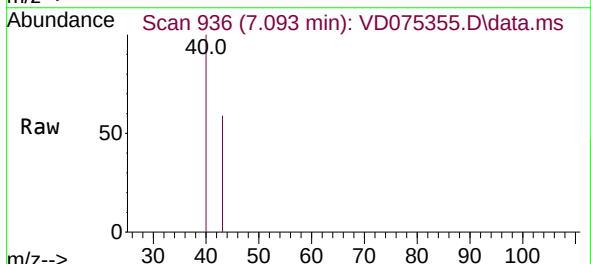
Instrument :
 MSVOA_D
 ClientSampleId :
 B-26-SB01

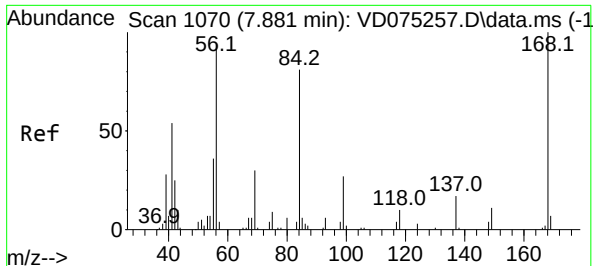
Tgt Ion: 43 Resp: 56
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.3 13.9#



#25
 2-Butanone
 Concen: 1.364 ug/l
 RT: 7.093 min Scan# 936
 Delta R.T. 0.011 min
 Lab File: VD075355.D
 Acq: 17 Feb 2023 14:57

Tgt Ion: 43 Resp: 358
 Ion Ratio Lower Upper
 43 100
 72 0.0 19.8 29.8#





#31

Cyclohexane

Concen: 1.469 ug/l

RT: 7.875 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VD075355.D

Acq: 17 Feb 2023 14:57

Instrument :

MSVOA_D

ClientSampleId :

B-26-SB01

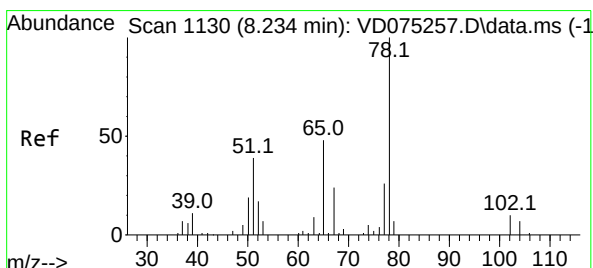
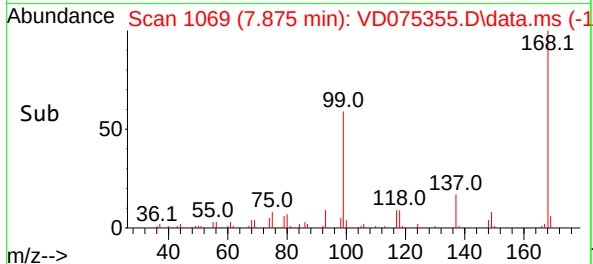
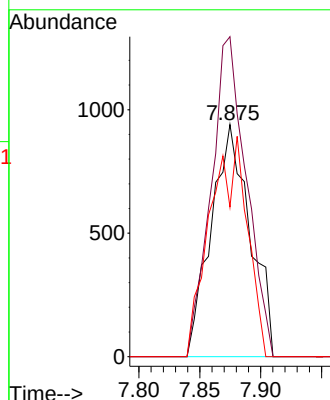
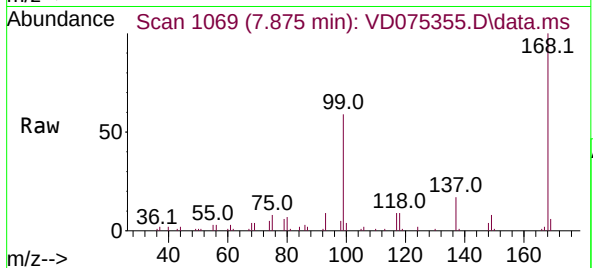
Tgt Ion: 56 Resp: 2090

Ion Ratio Lower Upper

56 100

69 137.9 26.6 40.0#

84 64.5 74.1 111.1#



#33

1,2-Dichloroethane-d4

Concen: 48.884 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075355.D

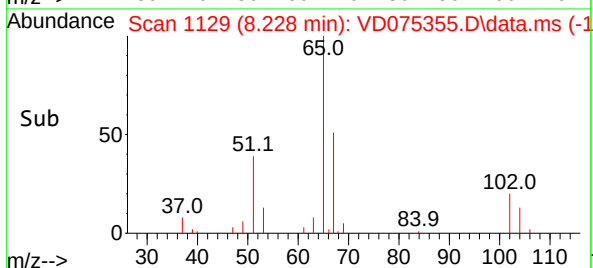
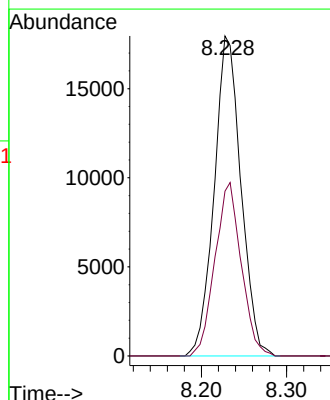
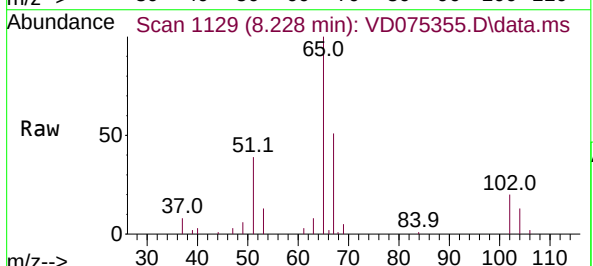
Acq: 17 Feb 2023 14:57

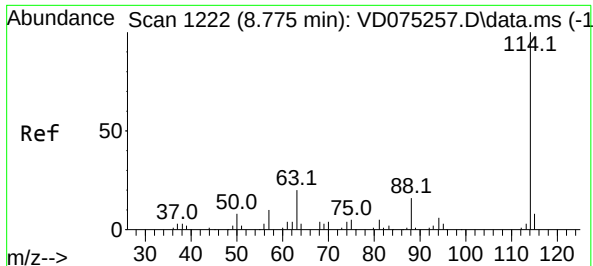
Tgt Ion: 65 Resp: 39168

Ion Ratio Lower Upper

65 100

67 53.2 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD075355.D

Acq: 17 Feb 2023 14:57

Instrument :

MSVOA_D

ClientSampleId :

B-26-SB01

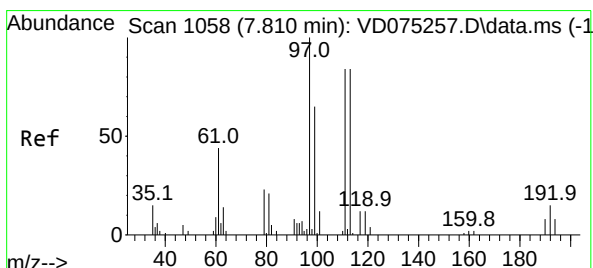
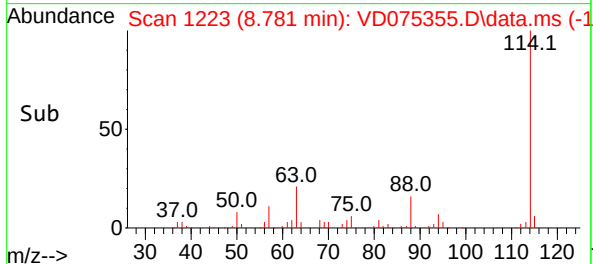
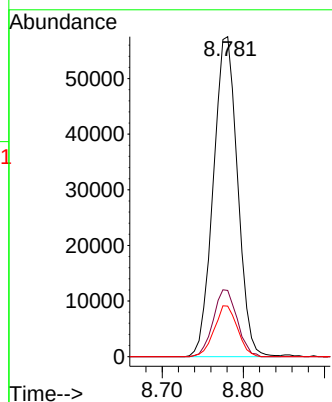
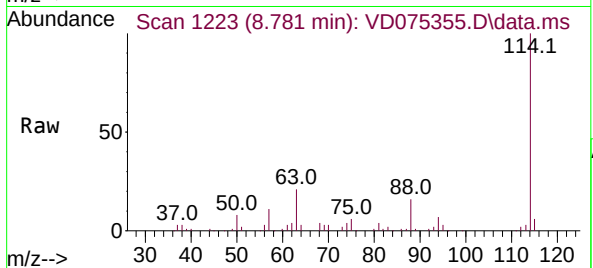
Tgt Ion:114 Resp: 119302

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.2

88 15.8 0.0 32.2



#35

Dibromofluoromethane

Concen: 46.549 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD075355.D

Acq: 17 Feb 2023 14:57

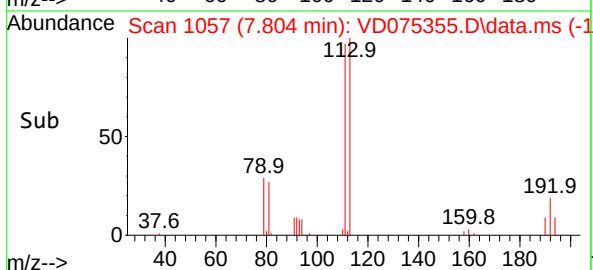
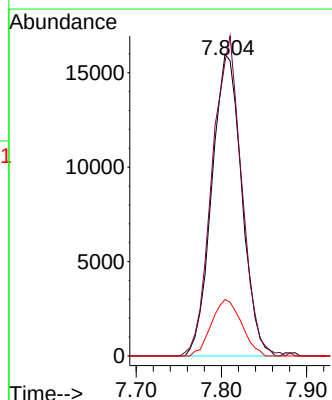
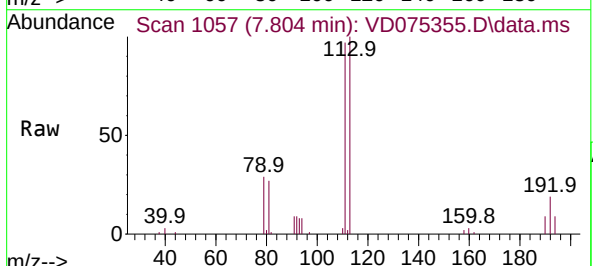
Tgt Ion:113 Resp: 38940

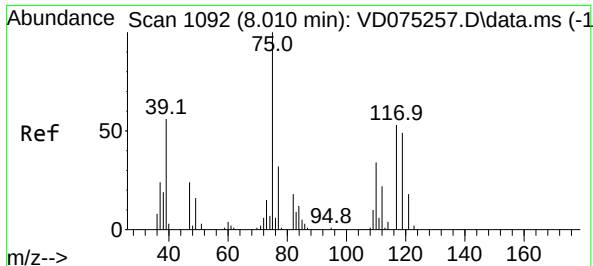
Ion Ratio Lower Upper

113 100

111 104.7 80.1 120.1

192 18.8 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.303 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD075355.D

Acq: 17 Feb 2023 14:57

Instrument :

MSVOA_D

ClientSampleId :

B-26-SB01

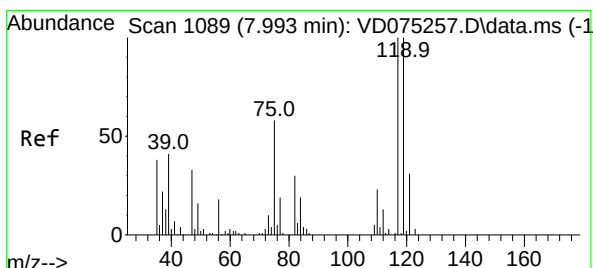
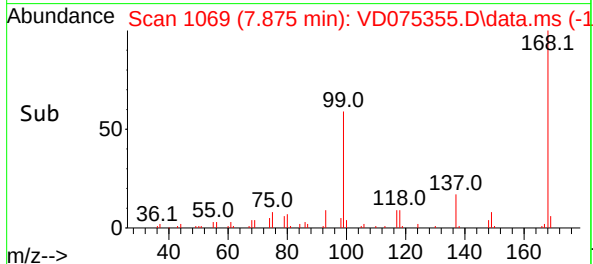
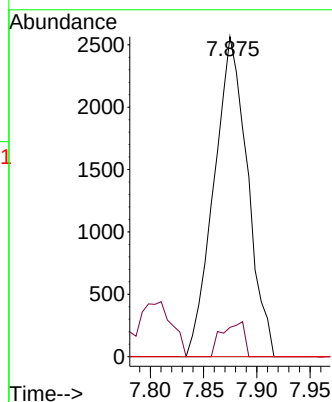
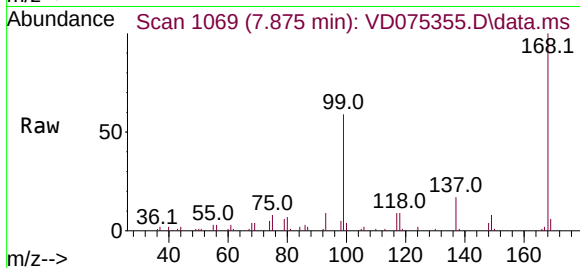
Tgt Ion: 75 Resp: 5607

Ion Ratio Lower Upper

75 100

110 7.3 18.1 54.4#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.660 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD075355.D

Acq: 17 Feb 2023 14:57

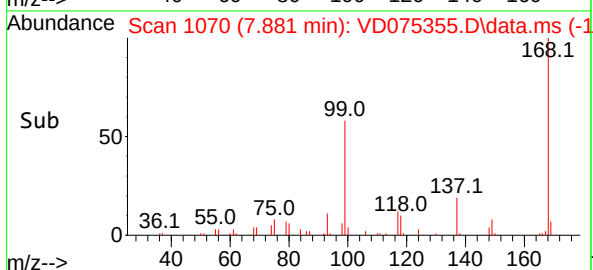
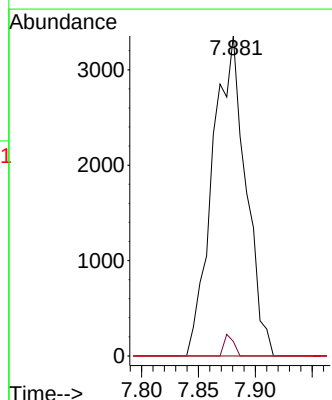
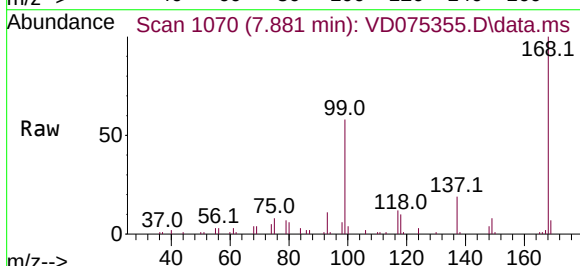
Tgt Ion: 117 Resp: 6835

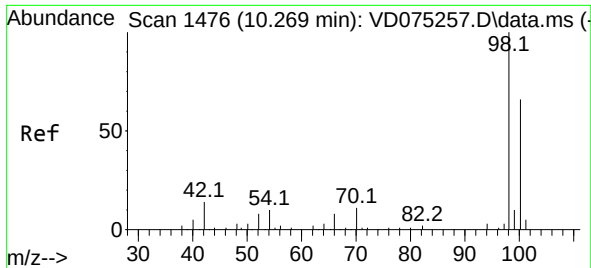
Ion Ratio Lower Upper

117 100

119 4.6 73.6 110.4#

121 0.0 25.4 38.0#

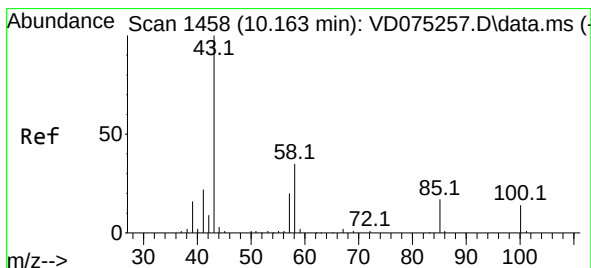
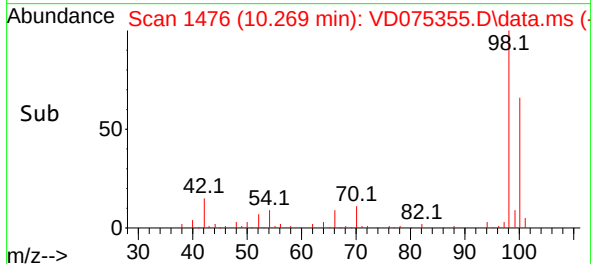
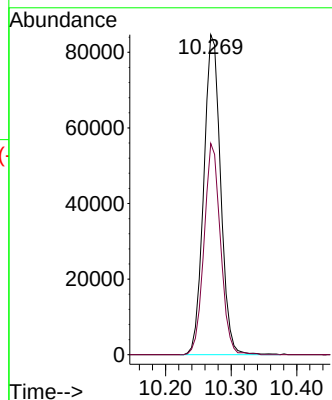
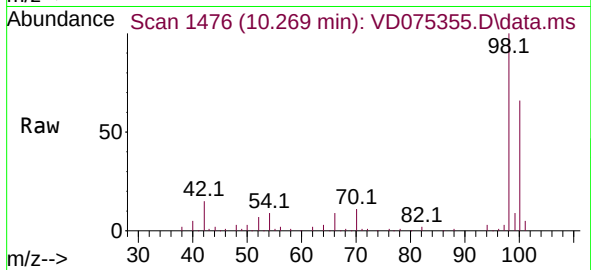




#50
Toluene-d8
Concen: 47.764 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075355.D
Acq: 17 Feb 2023 14:57

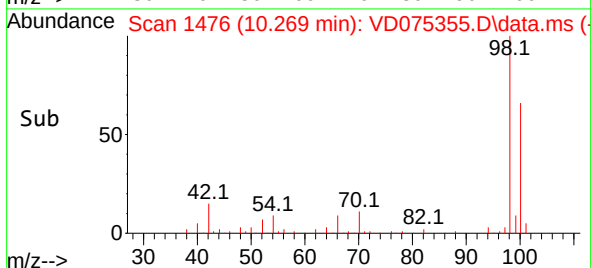
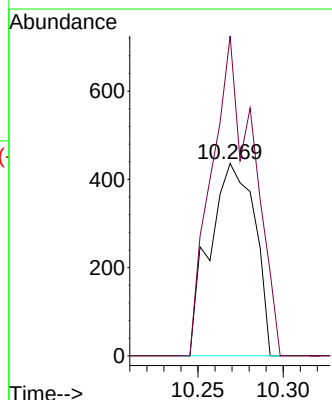
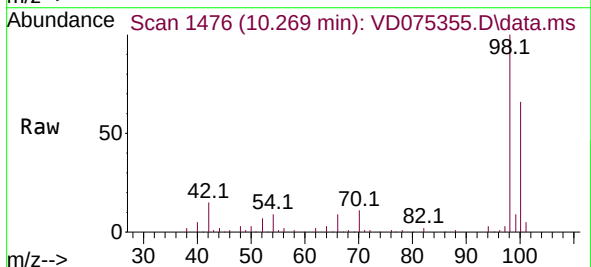
Instrument :
MSVOA_D
ClientSampleId :
B-26-SB01

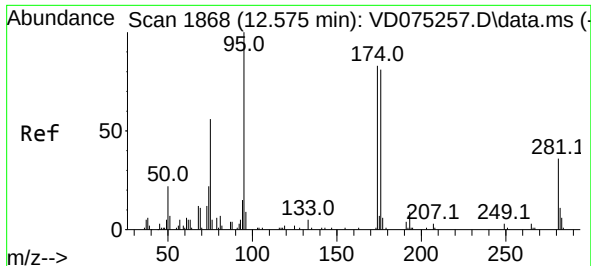
Tgt Ion: 98 Resp: 151529
Ion Ratio Lower Upper
98 100
100 64.3 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.461 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.106 min
Lab File: VD075355.D
Acq: 17 Feb 2023 14:57

Tgt Ion: 43 Resp: 802
Ion Ratio Lower Upper
43 100
58 152.7 31.4 47.0#

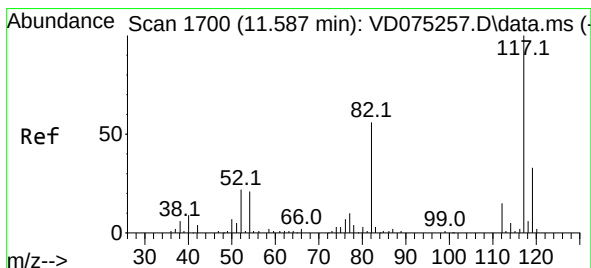
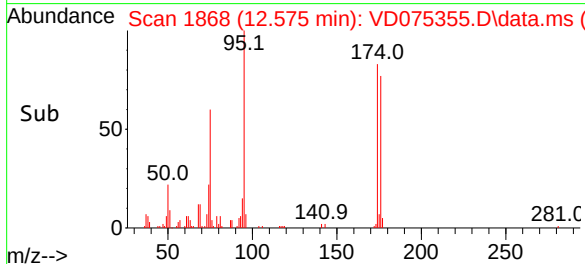
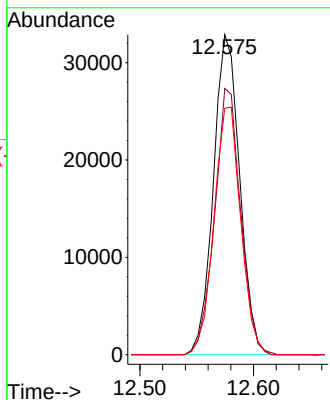
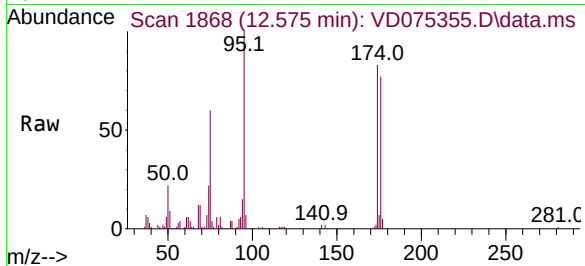




#62
4-Bromofluorobenzene
Concen: 50.495 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075355.D
Acq: 17 Feb 2023 14:57

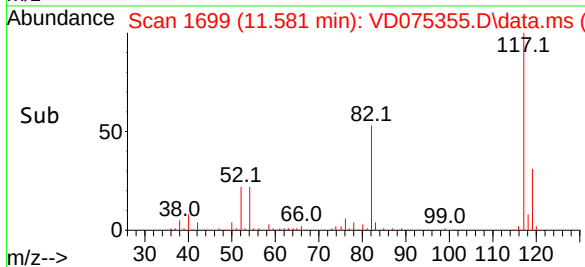
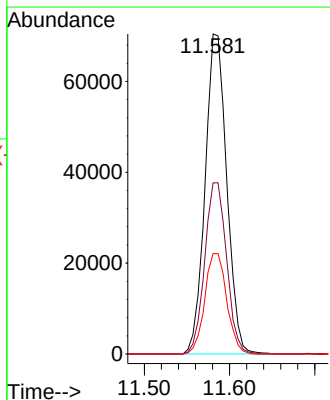
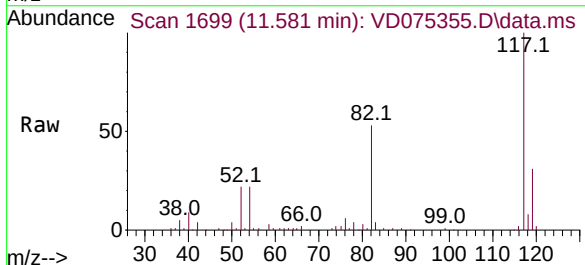
Instrument :
MSVOA_D
ClientSampleId :
B-26-SB01

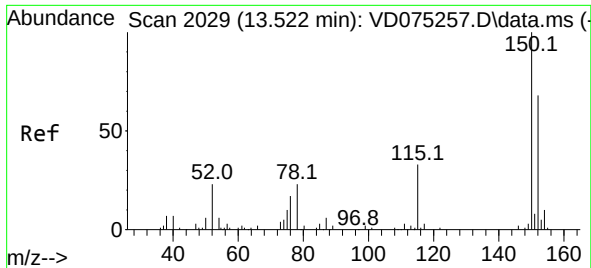
Tgt Ion: 95 Resp: 52822
Ion Ratio Lower Upper
95 100
174 82.5 0.0 161.2
176 78.9 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD075355.D
Acq: 17 Feb 2023 14:57

Tgt Ion: 117 Resp: 124470
Ion Ratio Lower Upper
117 100
82 53.4 39.6 59.4
119 31.4 24.6 37.0

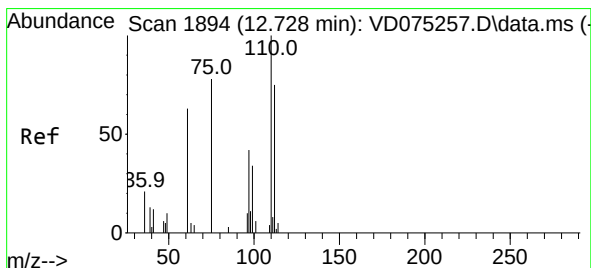
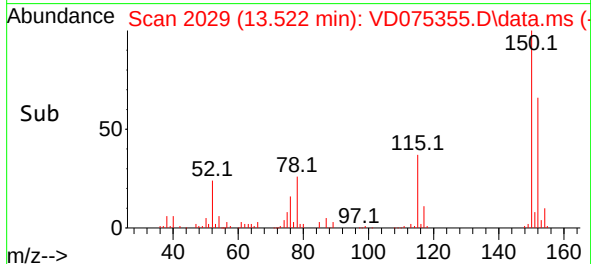
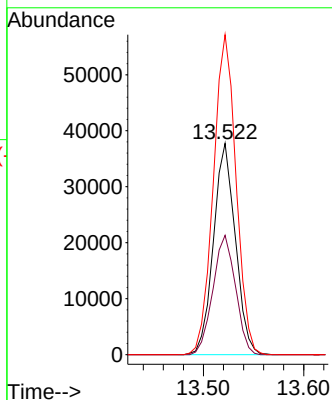
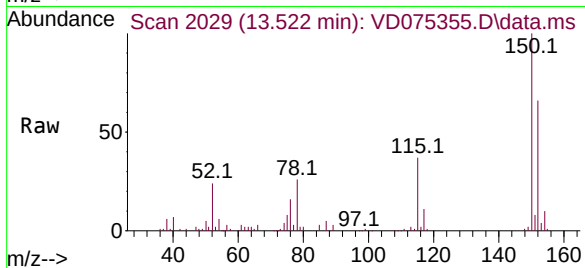




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 2029
 Delta R.T. -0.000 min
 Lab File: VD075355.D
 Acq: 17 Feb 2023 14:57

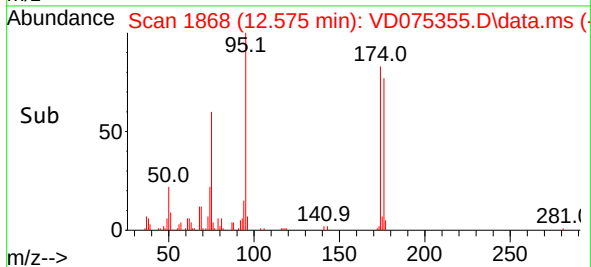
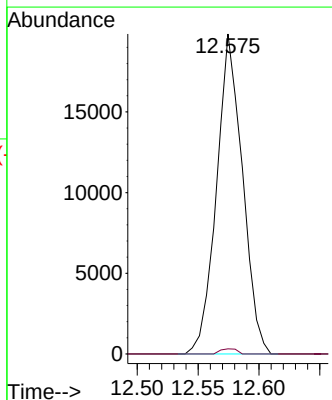
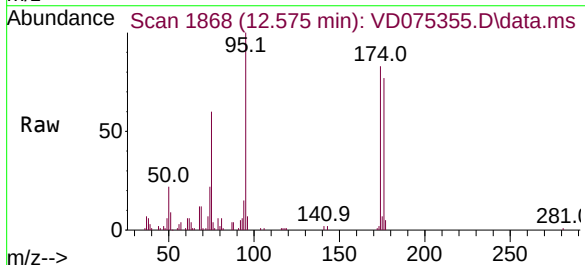
Instrument :
 MSVOA_D
 ClientSampleId :
 B-26-SB01

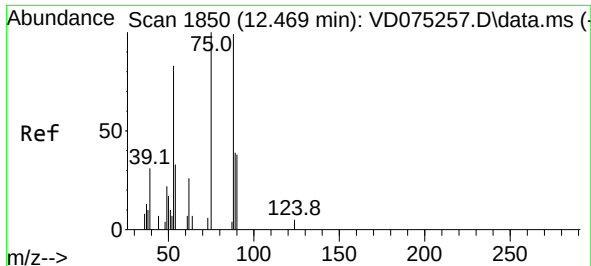
Tgt Ion:152 Resp: 57257
 Ion Ratio Lower Upper
 152 100
 115 58.3 28.8 86.4
 150 156.8 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 45.214 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD075355.D
 Acq: 17 Feb 2023 14:57

Tgt Ion: 75 Resp: 29405
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 142.709 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD075355.D
 Acq: 17 Feb 2023 14:57

Instrument :
 MSVOA_D
 ClientSampleId :
 B-26-SB01

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

