

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021723\
 Data File : VD075357.D
 Acq On : 17 Feb 2023 15:53
 Operator : KP/SY
 Sample : 01593-05
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SED-2

Quant Time: Feb 18 01:06:45 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)

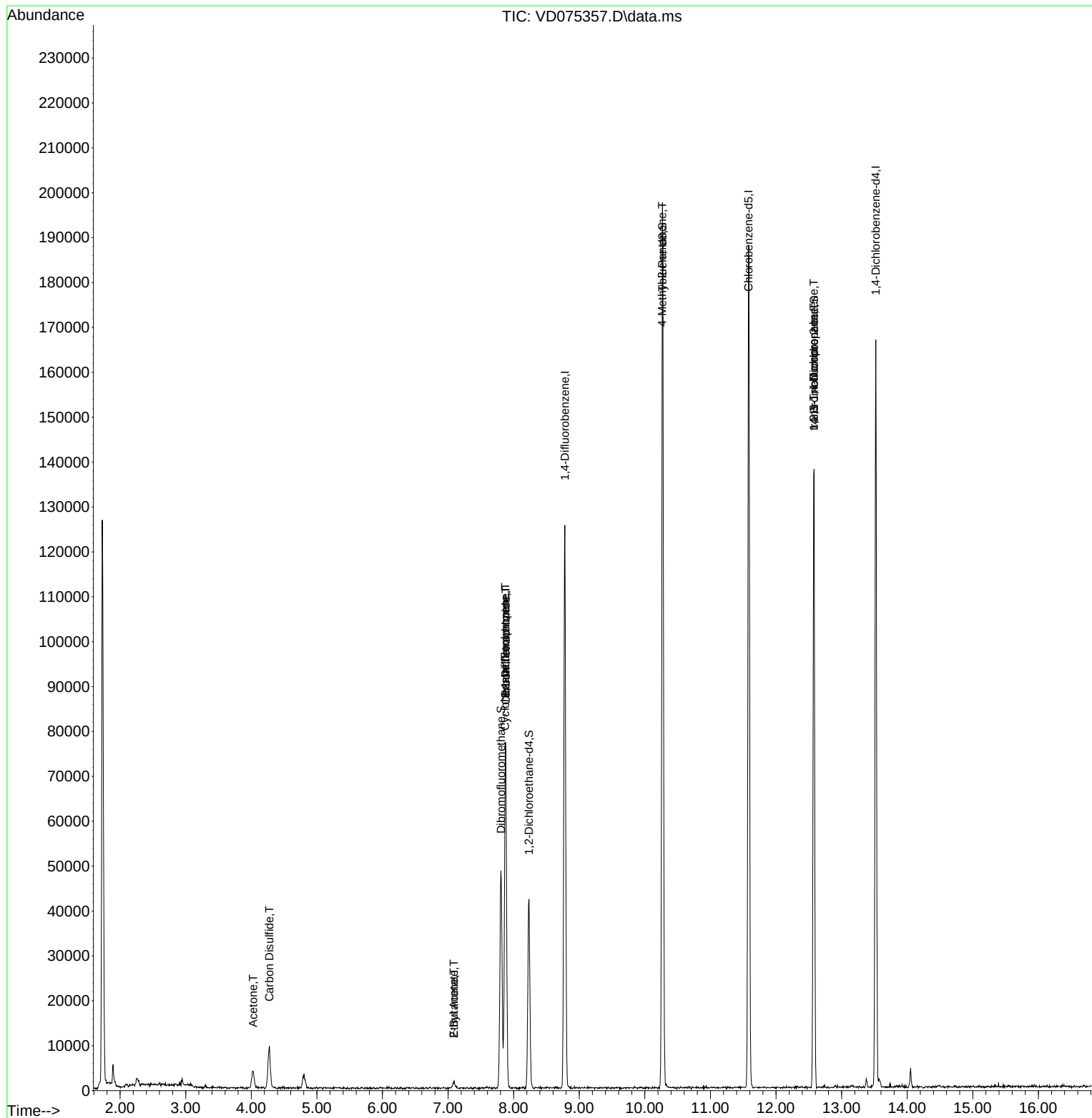
Internal Standards						
1) Pentafluorobenzene	7.875	168	57381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	102825	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	102501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	41422	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	32329	48.049	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.100%		
35) Dibromofluoromethane	7.810	113	34538	47.903	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.800%		
50) Toluene-d8	10.269	98	128718	47.075	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.140%		
62) 4-Bromofluorobenzene	12.580	95	41895	46.467	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.940%		
Target Compounds						
3) Chloromethane	2.146	50	137	Below Cal	#	41
16) Acetone	4.028	43	7086	39.829	ug/l	98
17) Carbon Disulfide	4.275	76	17088	8.624	ug/l	99
20) Methylene Chloride	4.793	84	2150	Below Cal	#	85
25) 2-Butanone	7.087	43	2631	11.935	ug/l	# 81
31) Cyclohexane	7.869	56	1515	1.268	ug/l	# 10
36) 1,1-Dichloropropene	7.875	75	4917	4.378	ug/l	# 47
37) Ethyl Acetate	7.087	43	2631	5.371	ug/l	# 67
38) Carbon Tetrachloride	7.881	117	5801	5.574	ug/l	# 14
51) 4-Methyl-2-Pentanone	10.263	43	538	1.137	ug/l	# 1
76) 1,2,3-Trichloropropane	12.575	75	23247	49.410	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	23247	155.759	ug/l	# 14

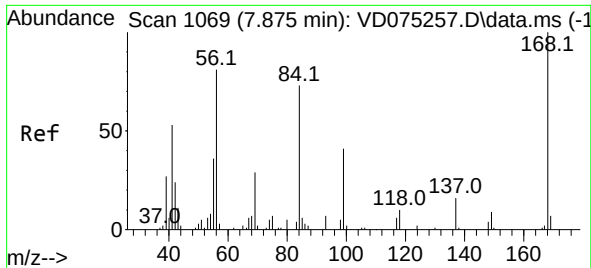
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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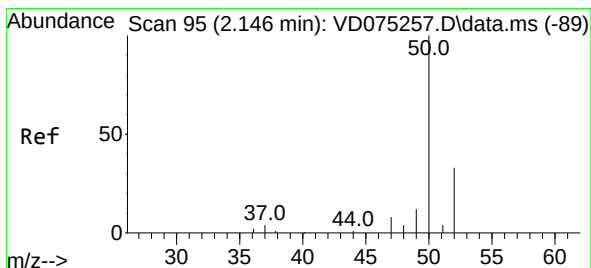
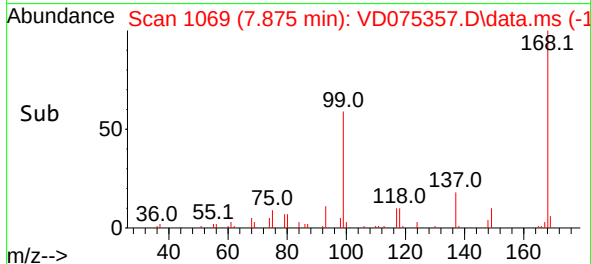
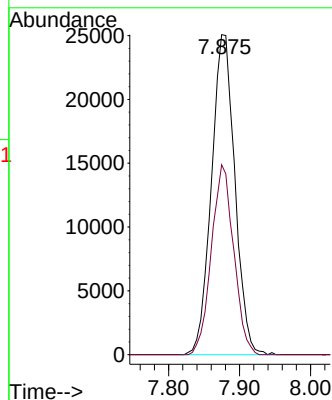
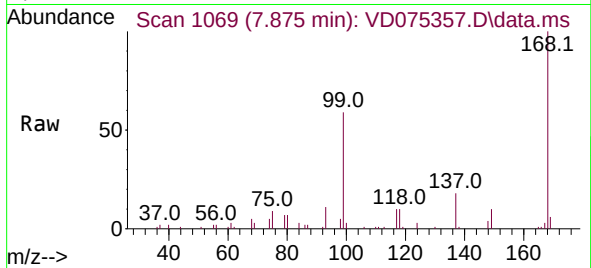




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD075357.D
Acq: 17 Feb 2023 15:53

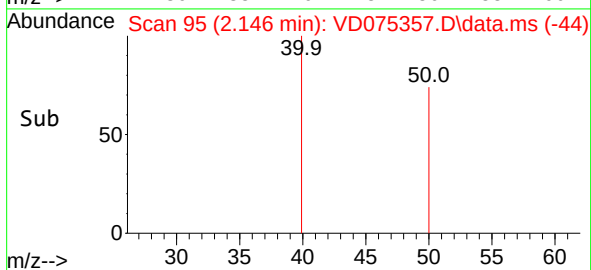
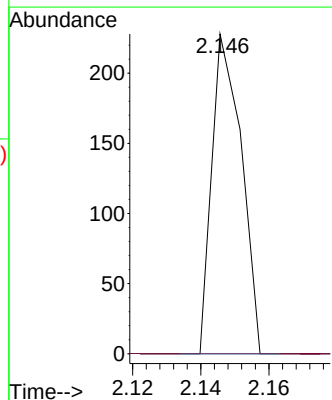
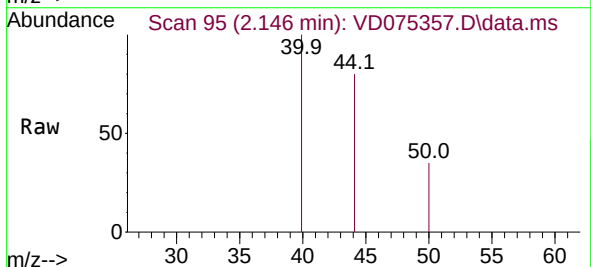
Instrument :
MSVOA_D
ClientSampleId :
SED-2

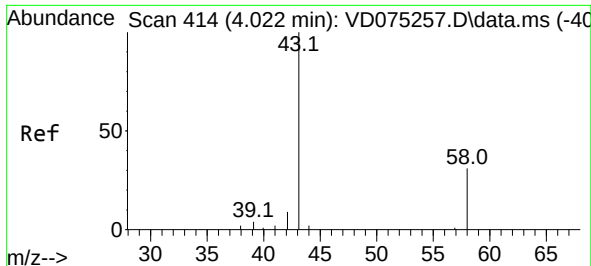
Tgt Ion:168 Resp: 57381
Ion Ratio Lower Upper
168 100
99 59.3 45.2 67.8



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD075357.D
Acq: 17 Feb 2023 15:53

Tgt Ion: 50 Resp: 137
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#





#16

Acetone

Concen: 39.829 ug/l

RT: 4.028 min Scan# 414

Delta R.T. 0.006 min

Lab File: VD075357.D

Acq: 17 Feb 2023 15:53

Instrument :

MSVOA_D

ClientSampleId :

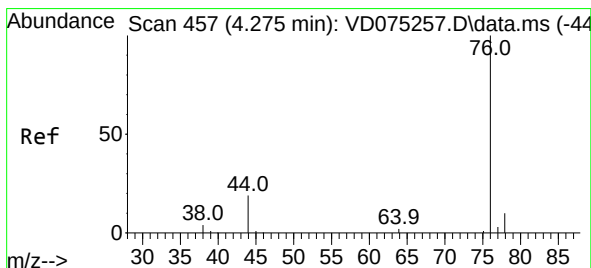
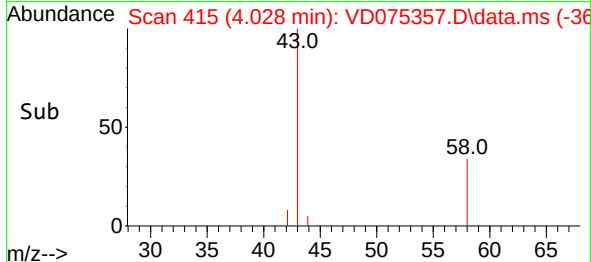
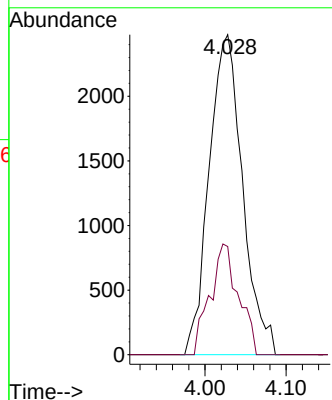
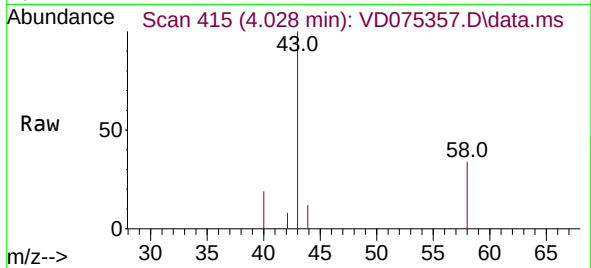
SED-2

Tgt Ion: 43 Resp: 7086

Ion Ratio Lower Upper

43 100

58 33.8 26.0 39.0



#17

Carbon Disulfide

Concen: 8.624 ug/l

RT: 4.275 min Scan# 457

Delta R.T. -0.000 min

Lab File: VD075357.D

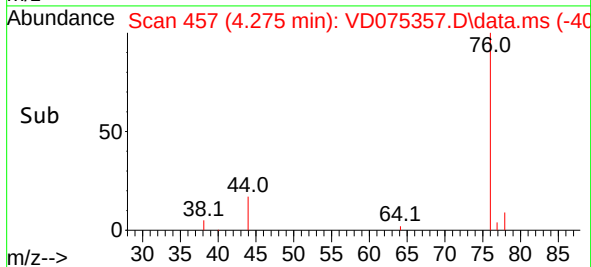
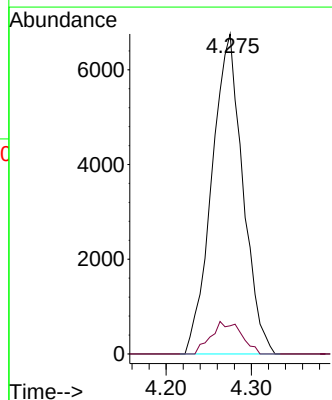
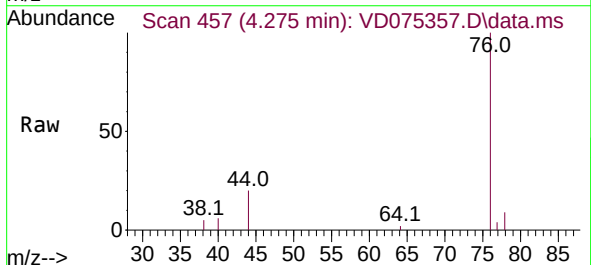
Acq: 17 Feb 2023 15:53

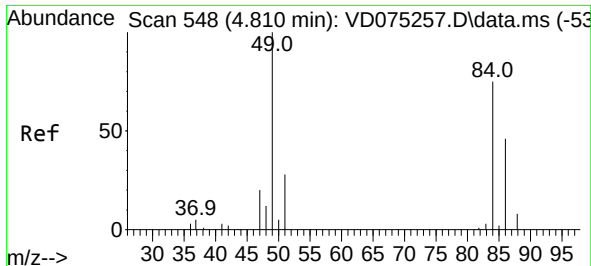
Tgt Ion: 76 Resp: 17088

Ion Ratio Lower Upper

76 100

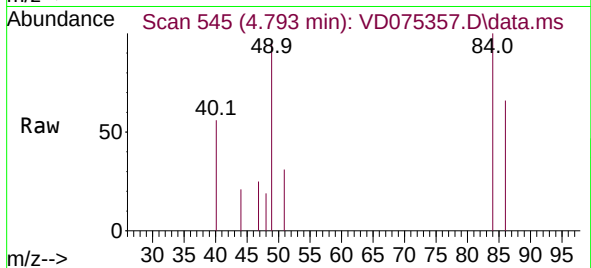
78 8.8 7.4 11.0



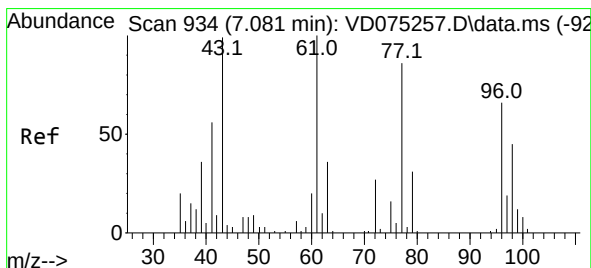
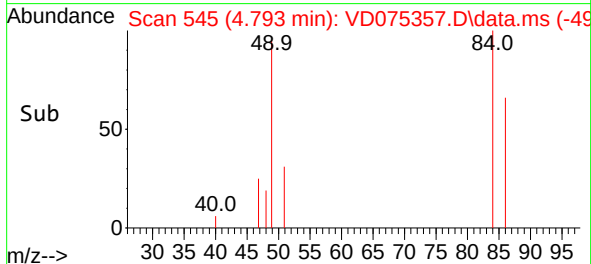
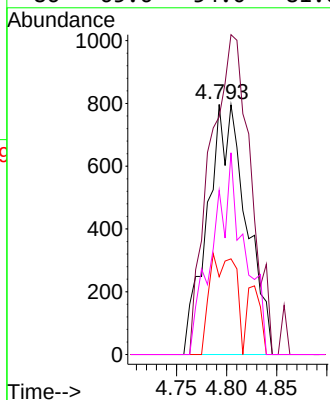


#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 548
Delta R.T. -0.017 min
Lab File: VD075357.D
Acq: 17 Feb 2023 15:53

Instrument :
MSVOA_D
ClientSampleId :
SED-2

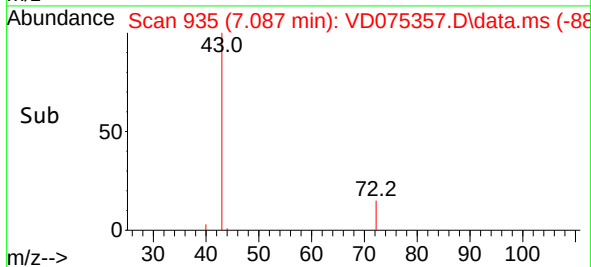
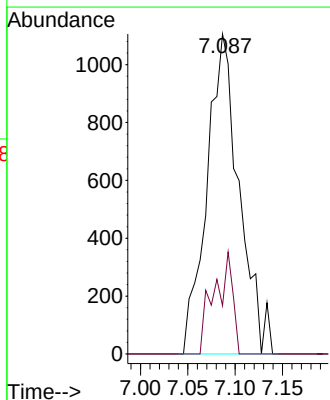
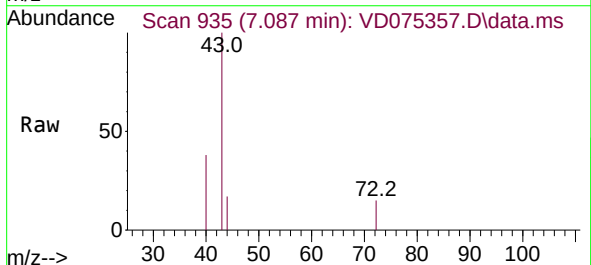


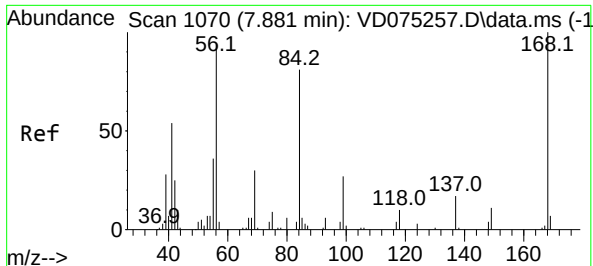
Tgt Ion: 84	Resp: 2150
Ion Ratio	Lower Upper
84 100	
49 95.0	97.0 145.6#
51 31.1	30.9 46.3
86 65.6	54.0 81.0



#25
2-Butanone
Concen: 11.935 ug/l
RT: 7.087 min Scan# 935
Delta R.T. 0.006 min
Lab File: VD075357.D
Acq: 17 Feb 2023 15:53

Tgt Ion: 43	Resp: 2631
Ion Ratio	Lower Upper
43 100	
72 15.1	19.8 29.8#





#31

Cyclohexane

Concen: 1.268 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.012 min

Lab File: VD075357.D

Acq: 17 Feb 2023 15:53

Instrument :

MSVOA_D

ClientSampleId :

SED-2

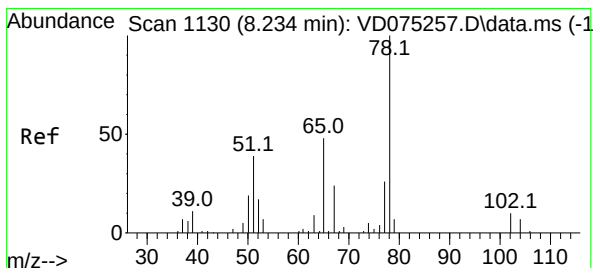
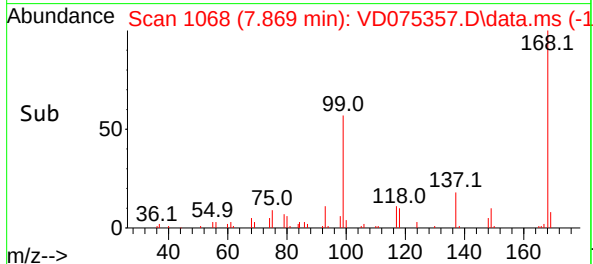
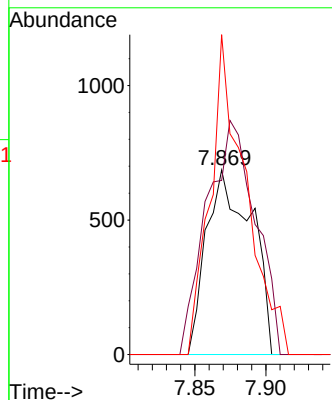
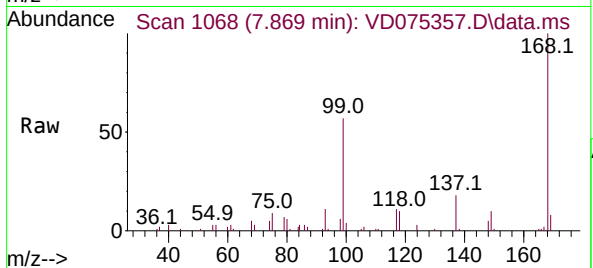
Tgt Ion: 56 Resp: 1515

Ion Ratio Lower Upper

56 100

69 94.3 26.6 40.0#

84 173.3 74.1 111.1#



#33

1,2-Dichloroethane-d4

Concen: 48.049 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD075357.D

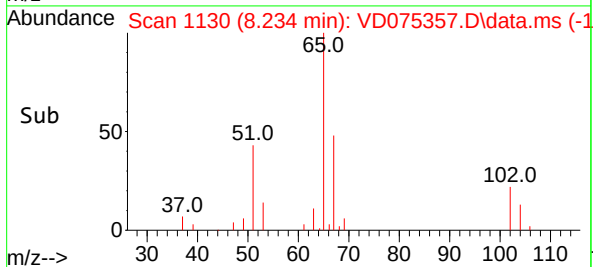
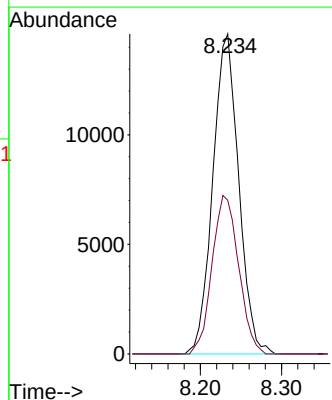
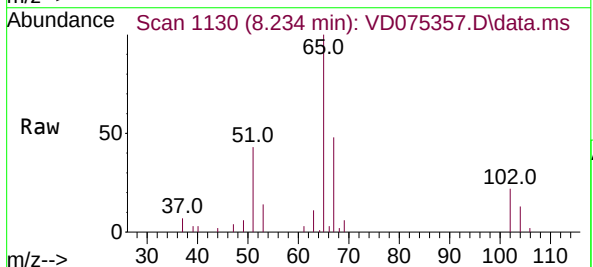
Acq: 17 Feb 2023 15:53

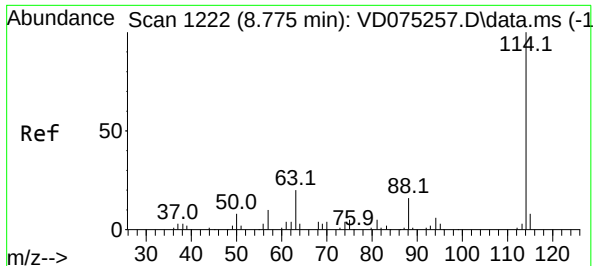
Tgt Ion: 65 Resp: 32329

Ion Ratio Lower Upper

65 100

67 50.9 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: VD075357.D

Acq: 17 Feb 2023 15:53

Instrument :

MSVOA_D

ClientSampleId :

SED-2

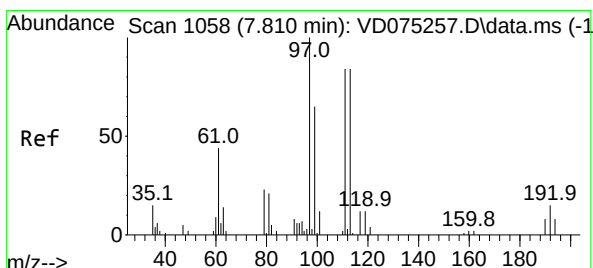
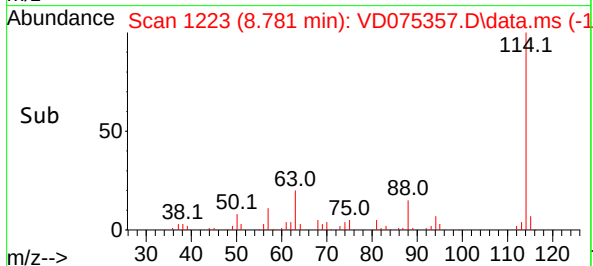
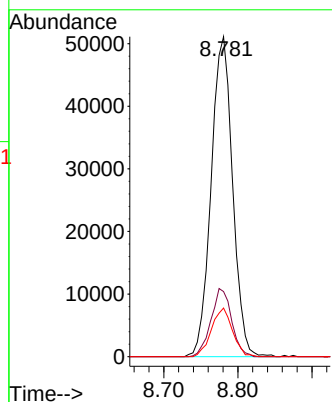
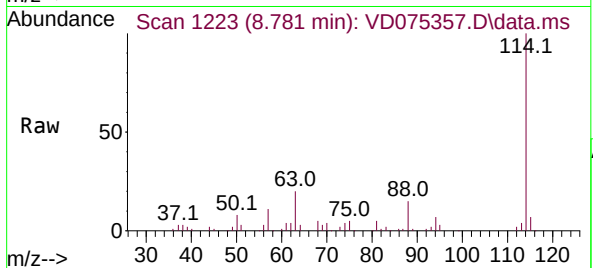
Tgt Ion:114 Resp: 102825

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.2

88 15.2 0.0 32.2



#35

Dibromofluoromethane

Concen: 47.903 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD075357.D

Acq: 17 Feb 2023 15:53

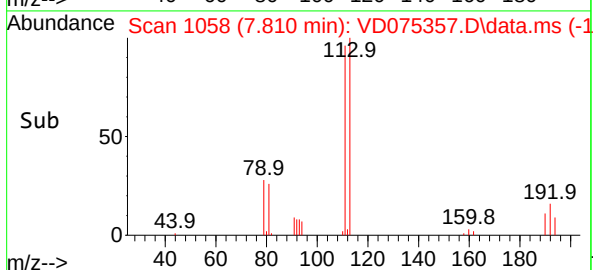
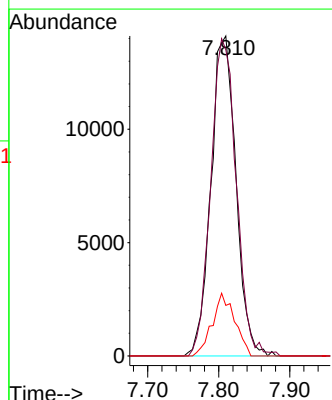
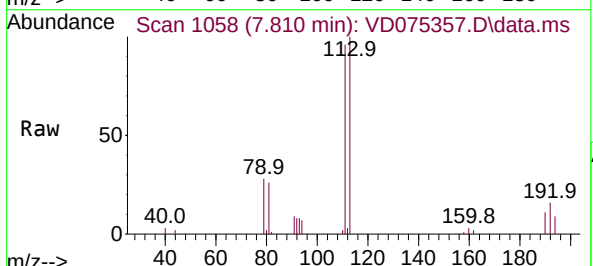
Tgt Ion:113 Resp: 34538

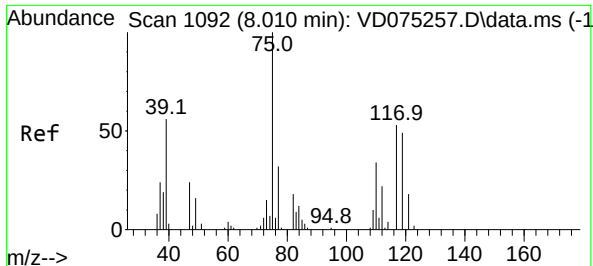
Ion Ratio Lower Upper

113 100

111 101.1 80.1 120.1

192 17.6 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.378 ug/l

RT: 7.875 min Scan# 1092

Delta R.T. -0.135 min

Lab File: VD075357.D

Acq: 17 Feb 2023 15:53

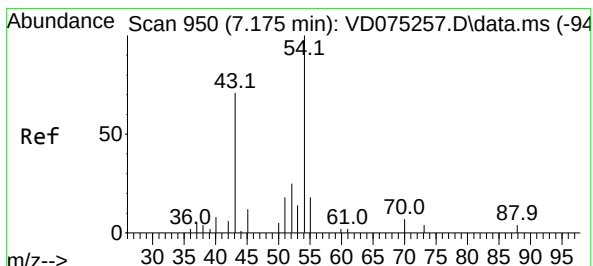
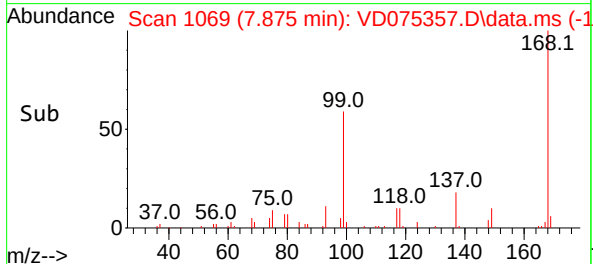
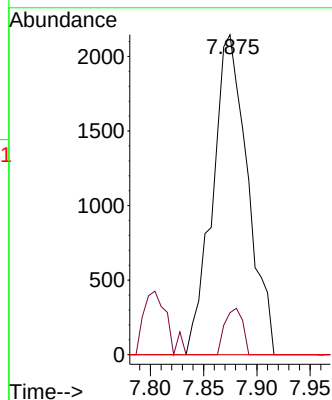
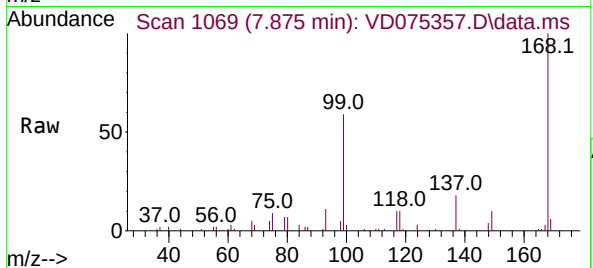
Instrument :

MSVOA_D

ClientSampleId :

SED-2

Tgt Ion:	75	Resp:	4917
Ion	Ratio	Lower	Upper
75	100		
110	7.3	18.1	54.4#
77	0.0	25.1	37.7#



#37

Ethyl Acetate

Concen: 5.371 ug/l

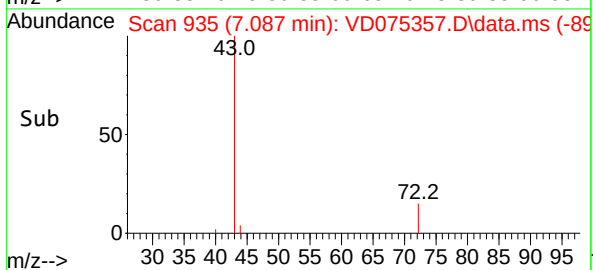
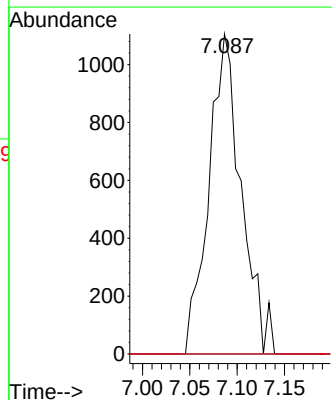
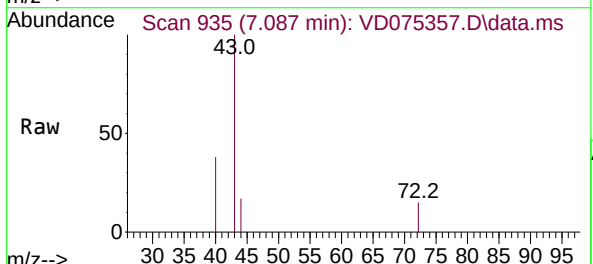
RT: 7.087 min Scan# 935

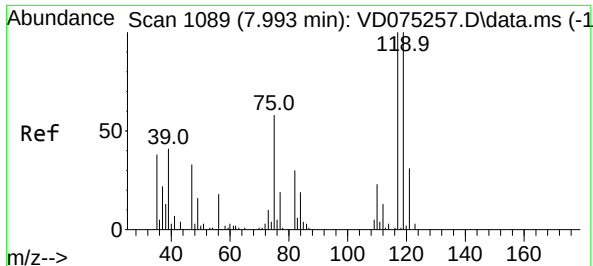
Delta R.T. -0.088 min

Lab File: VD075357.D

Acq: 17 Feb 2023 15:53

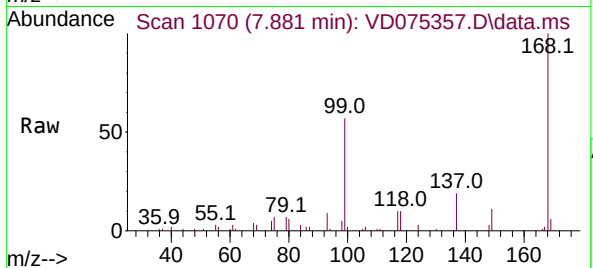
Tgt Ion:	43	Resp:	2631
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.7	17.5#
70	0.0	8.8	13.2#



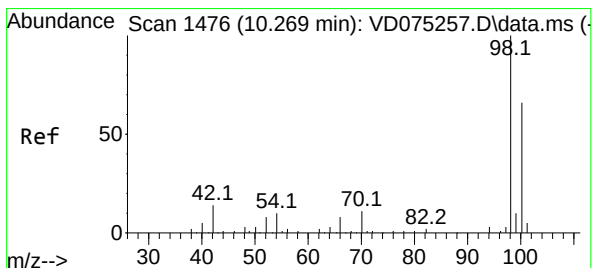
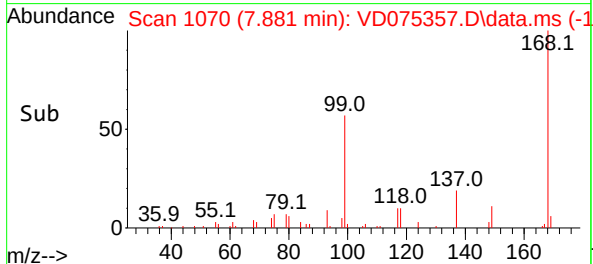
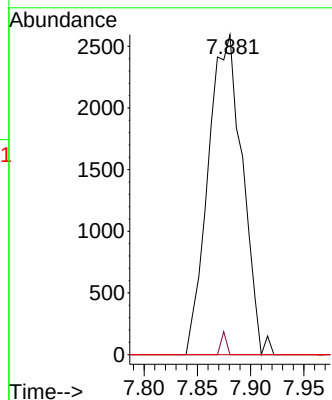


#38
Carbon Tetrachloride
Concen: 5.574 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD075357.D
Acq: 17 Feb 2023 15:53

Instrument :
MSVOA_D
ClientSampleId :
SED-2

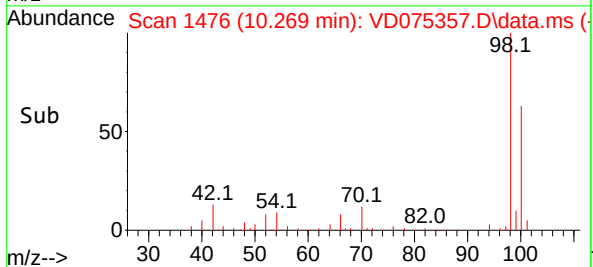
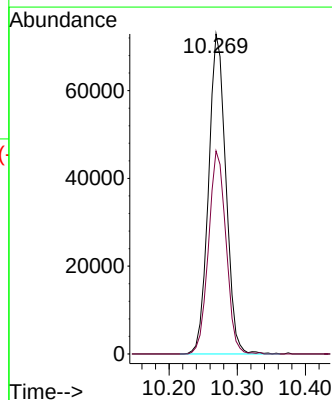
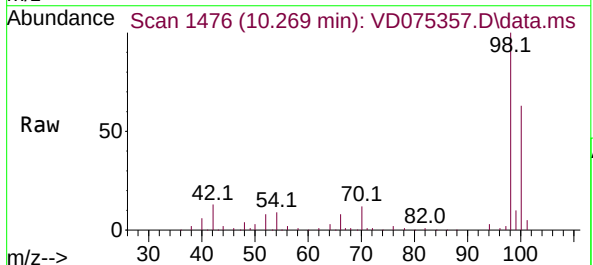


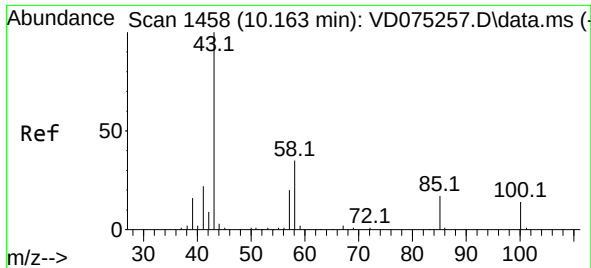
Tgt Ion:117 Resp: 5801
Ion Ratio Lower Upper
117 100
119 0.0 73.6 110.4#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 47.075 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075357.D
Acq: 17 Feb 2023 15:53

Tgt Ion: 98 Resp: 128718
Ion Ratio Lower Upper
98 100
100 64.0 52.7 79.1

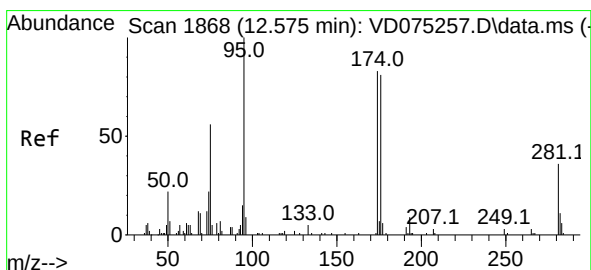
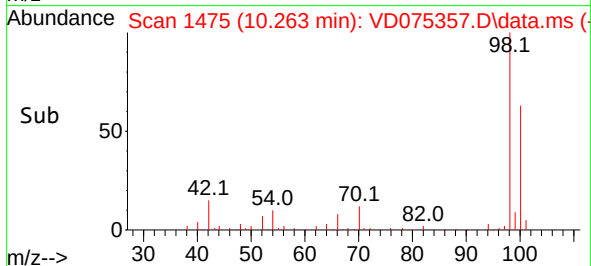
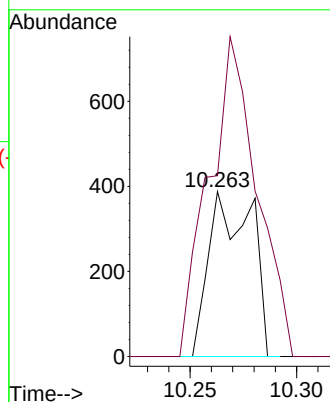
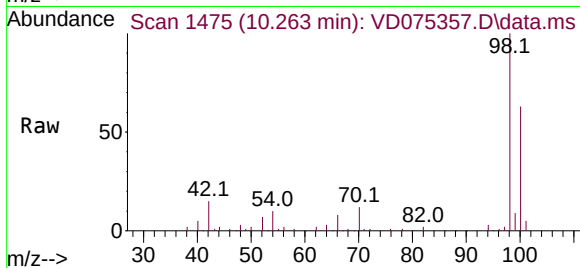




#51
4-Methyl-2-Pentanone
Concen: 1.137 ug/l
RT: 10.263 min Scan# 1458
Delta R.T. 0.100 min
Lab File: VD075357.D
Acq: 17 Feb 2023 15:53

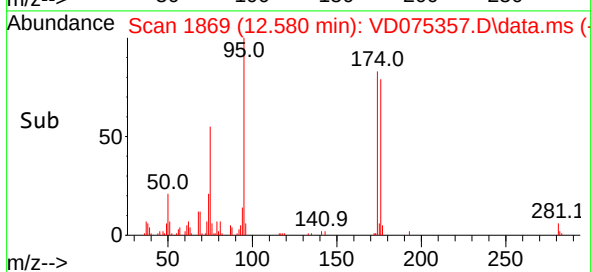
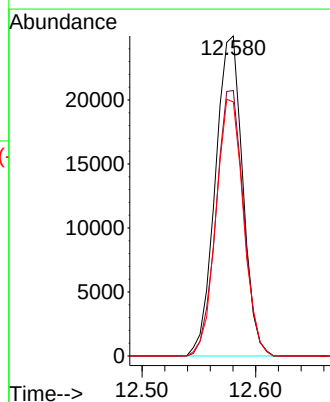
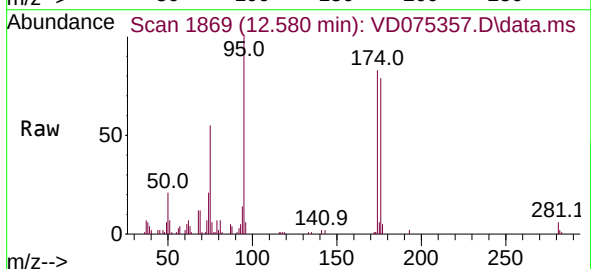
Instrument :
MSVOA_D
ClientSampleId :
SED-2

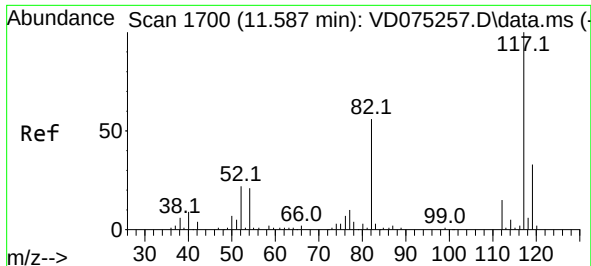
Tgt Ion: 43 Resp: 538
Ion Ratio Lower Upper
43 100
58 218.8 31.4 47.0#



#62
4-Bromofluorobenzene
Concen: 46.467 ug/l
RT: 12.580 min Scan# 1869
Delta R.T. 0.005 min
Lab File: VD075357.D
Acq: 17 Feb 2023 15:53

Tgt Ion: 95 Resp: 41895
Ion Ratio Lower Upper
95 100
174 82.9 0.0 161.2
176 80.5 0.0 160.2

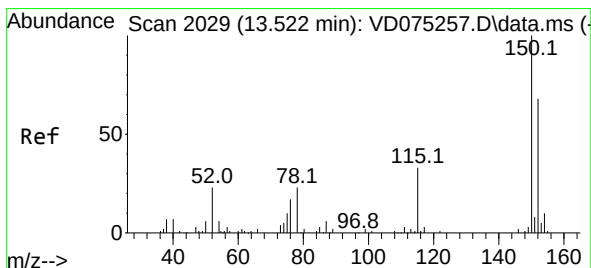
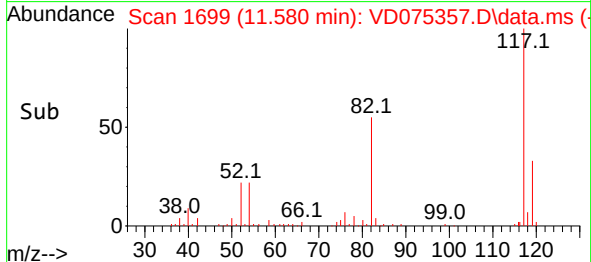
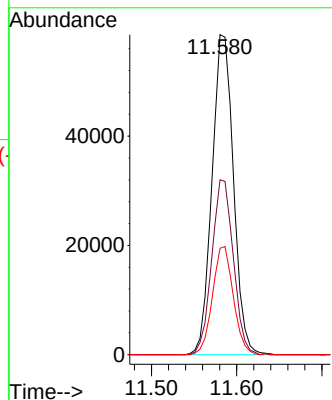
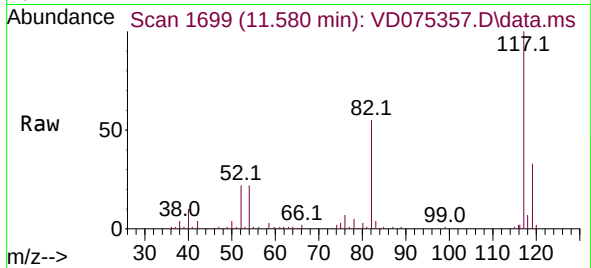




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 11
Delta R.T. -0.007 min
Lab File: VD075357.D
Acq: 17 Feb 2023 15:53

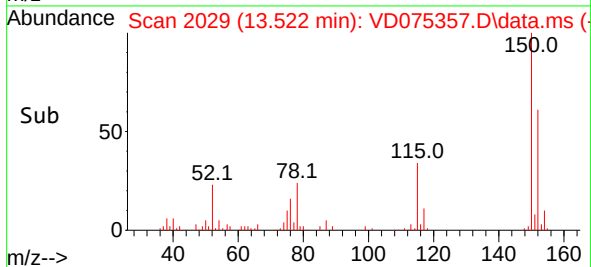
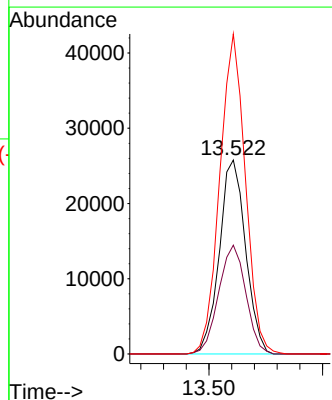
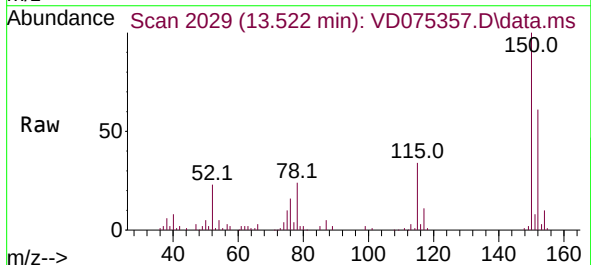
Instrument :
MSVOA_D
ClientSampleId :
SED-2

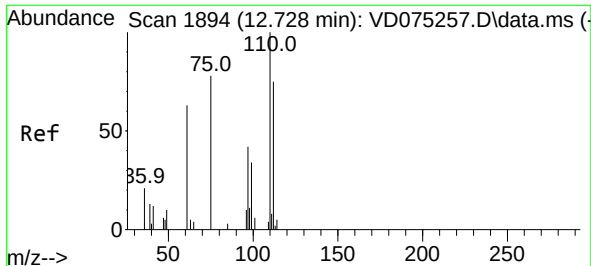
Tgt Ion:117 Resp: 102501
Ion Ratio Lower Upper
117 100
82 54.7 39.6 59.4
119 33.3 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.001 min
Lab File: VD075357.D
Acq: 17 Feb 2023 15:53

Tgt Ion:152 Resp: 41422
Ion Ratio Lower Upper
152 100
115 57.9 28.8 86.4
150 160.3 0.0 348.6

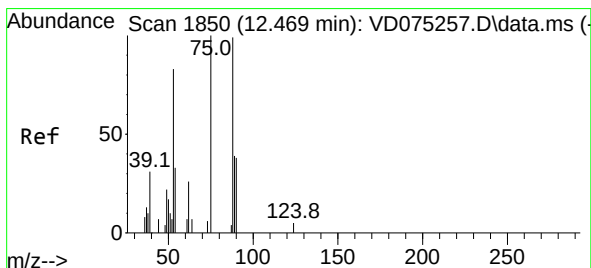
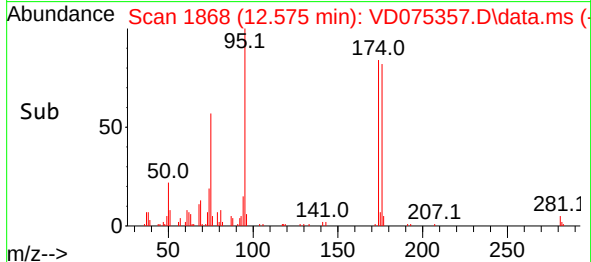
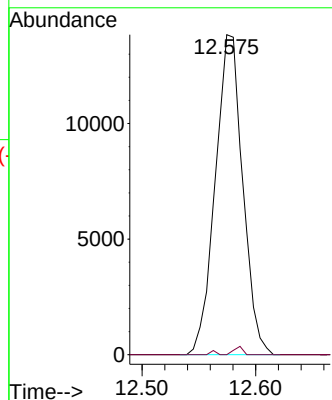
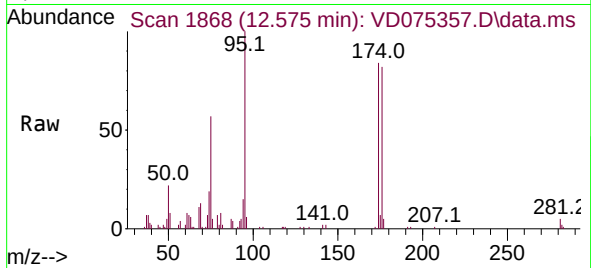




#76
1,2,3-Trichloropropane
Concen: 49.410 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075357.D
Acq: 17 Feb 2023 15:53

Instrument :
MSVOA_D
ClientSampleId :
SED-2

Tgt Ion: 75 Resp: 23247
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 155.759 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075357.D
Acq: 17 Feb 2023 15:53

Tgt Ion: 75 Resp: 23247
Ion Ratio Lower Upper
75 100
53 0.0 70.5 105.7#
89 0.0 34.6 52.0#

