

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021023\
 Data File : VD075311.D
 Acq On : 10 Feb 2023 15:34
 Operator : KP/SY
 Sample : 01508-09
 Misc : 4.88G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 10 23:40:26 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)

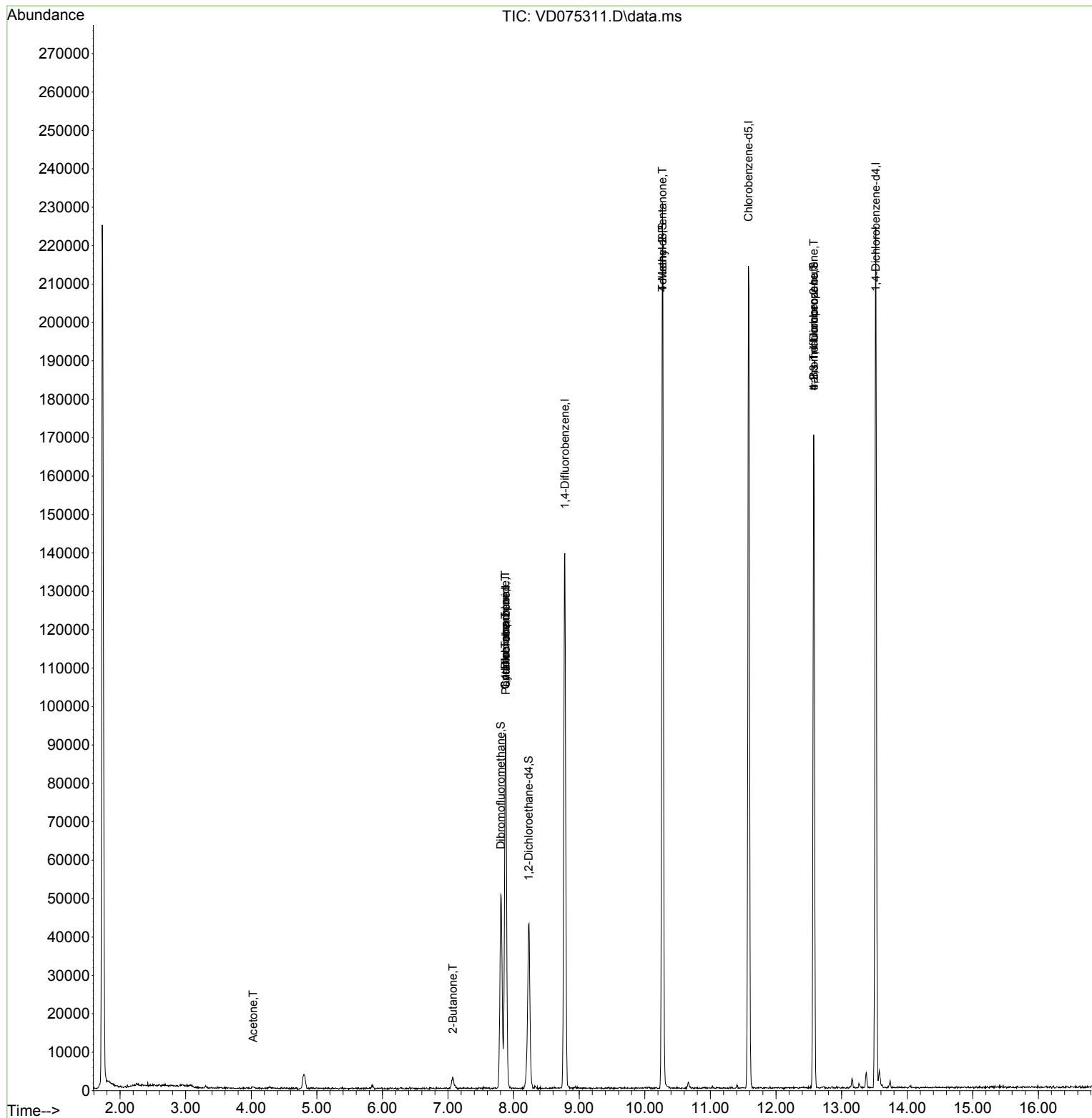
Internal Standards						
1) Pentafluorobenzene	7.881	168	69516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	119776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	118136	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	55409	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	33192	40.720	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.440%
35) Dibromofluoromethane	7.805	113	35992	42.854	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.700%
50) Toluene-d8	10.269	98	148549	46.639	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.280%
62) 4-Bromofluorobenzene	12.575	95	51035	48.594	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.180%
Target Compounds						
					Qvalue	
3) Chloromethane	2.140	50	116	Below Cal	#	41
16) Acetone	4.028	43	605	2.807	ug/l #	46
20) Methylene Chloride	4.799	84	2557	Below Cal		98
25) 2-Butanone	7.075	43	330	1.236	ug/l #	50
31) Cyclohexane	7.875	56	1872	1.293	ug/l #	29
36) 1,1-Dichloropropene	7.875	75	6195	4.735	ug/l #	47
38) Carbon Tetrachloride	7.875	117	7182	5.924	ug/l #	19
51) 4-Methyl-2-Pentanone	10.269	43	750	1.361	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	27671	43.966	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	27671	138.831	ug/l #	14

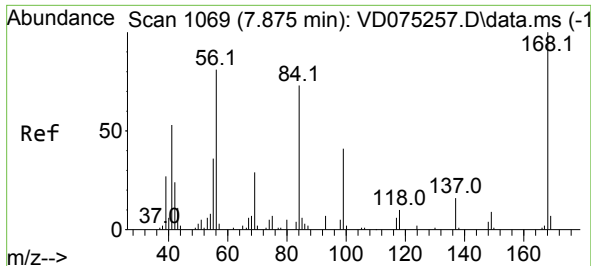
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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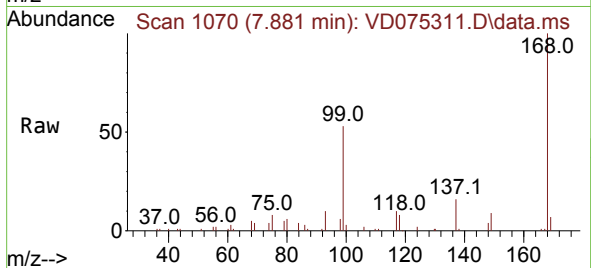
Quant Time: Feb 10 23:40:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
Quant Title : SW846 8260
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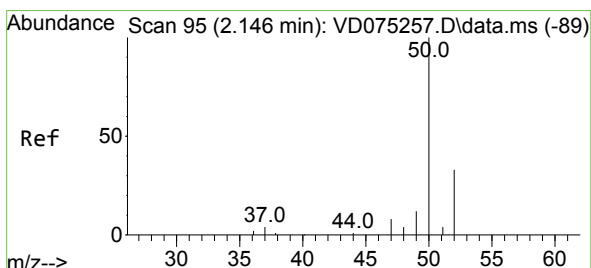
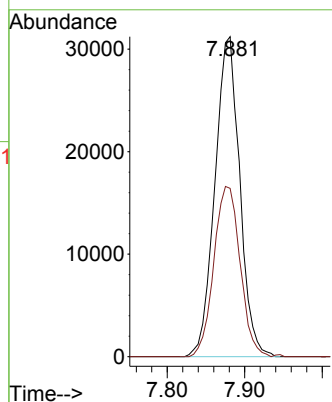
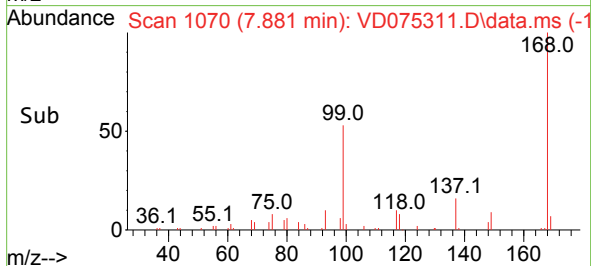


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD075311.D
Acq: 10 Feb 2023 15:34

Instrument :
MSVOA_D
ClientSampleId :

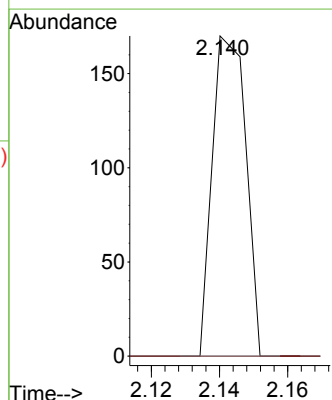
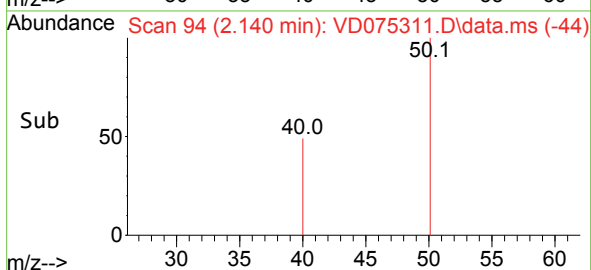
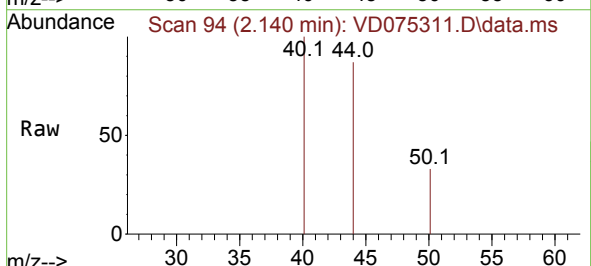


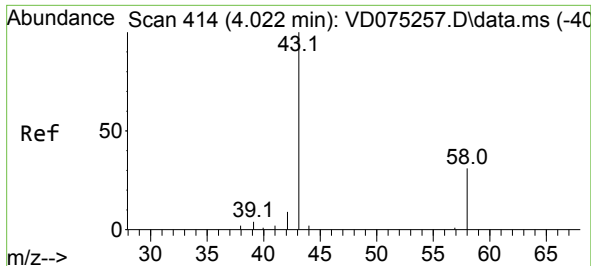
Tgt Ion:168 Resp: 69516
Ion Ratio Lower Upper
168 100
99 52.6 45.2 67.8



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD075311.D
Acq: 10 Feb 2023 15:34

Tgt Ion: 50 Resp: 116
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#





#16

Acetone

Concen: 2.807 ug/l

RT: 4.028 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD075311.D

Acq: 10 Feb 2023 15:34

Instrument :

MSVOA_D

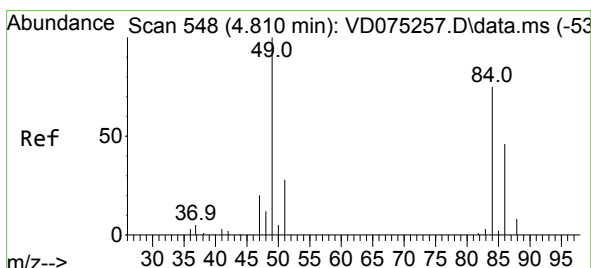
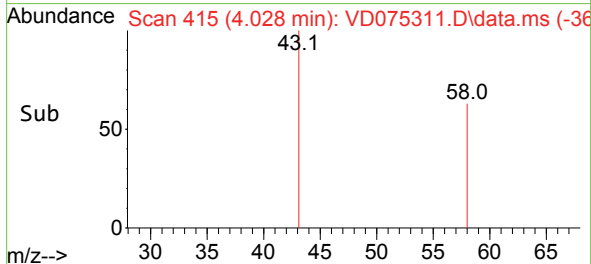
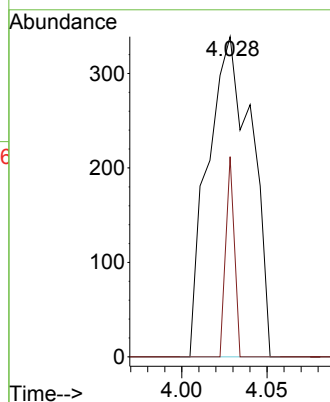
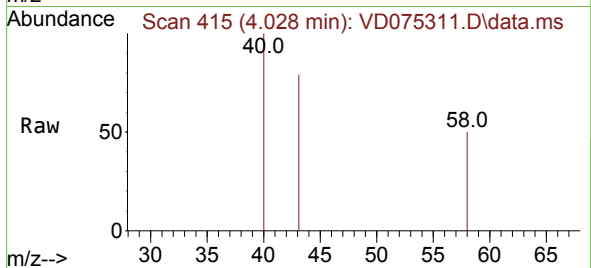
ClientSampleId :

Tgt Ion: 43 Resp: 605

Ion Ratio Lower Upper

43 100

58 62.5 26.0 39.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.799 min Scan# 546

Delta R.T. -0.011 min

Lab File: VD075311.D

Acq: 10 Feb 2023 15:34

Tgt Ion: 84 Resp: 2557

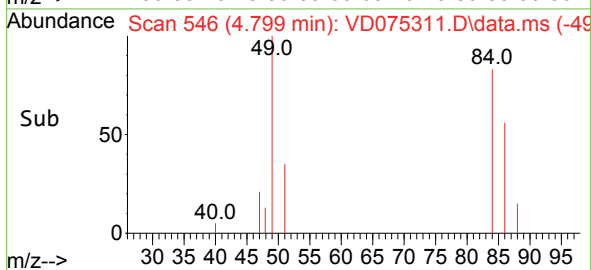
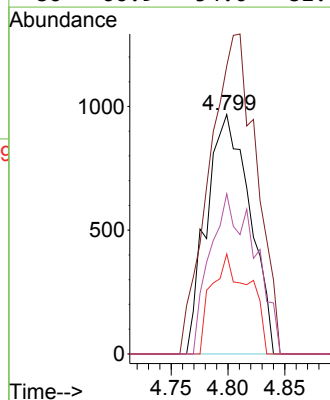
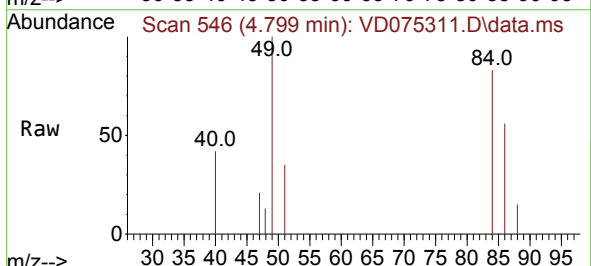
Ion Ratio Lower Upper

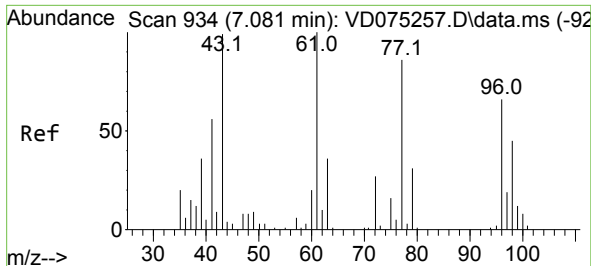
84 100

49 120.4 97.0 145.6

51 41.8 30.9 46.3

86 66.9 54.0 81.0

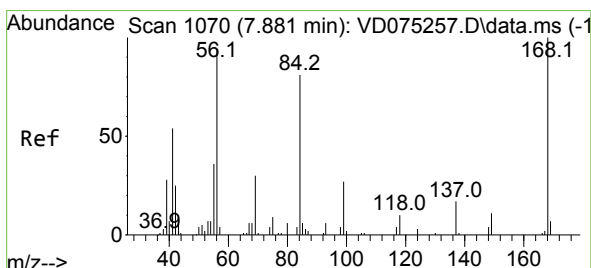
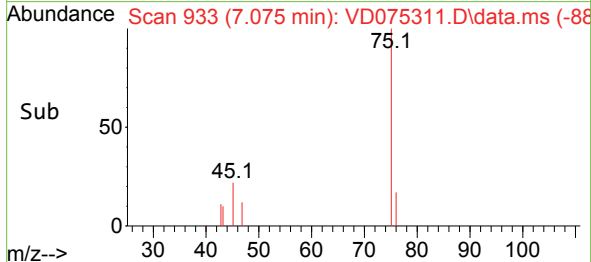
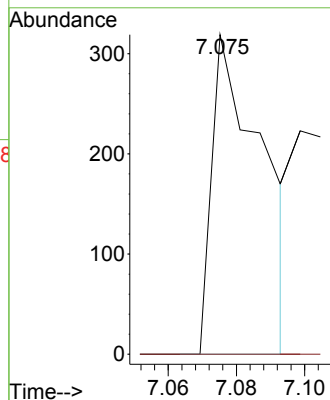
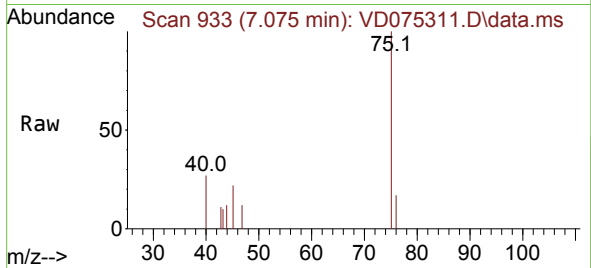




#25
2-Butanone
Concen: 1.236 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD075311.D
Acq: 10 Feb 2023 15:34

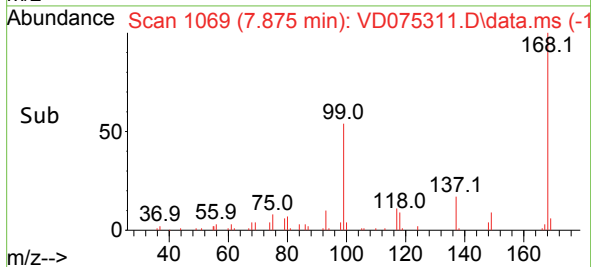
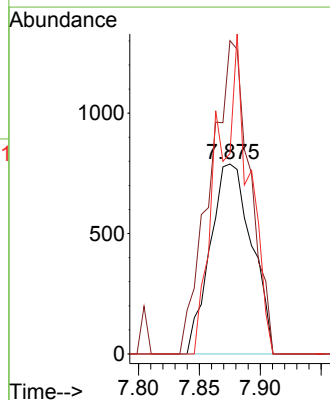
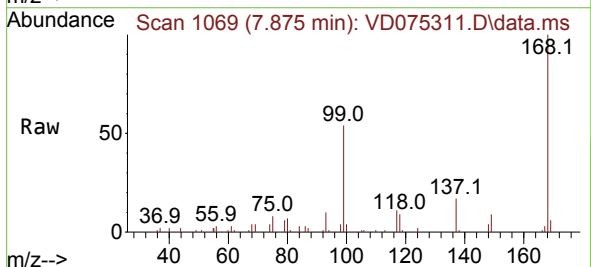
Instrument :
MSVOA_D
ClientSampleId :

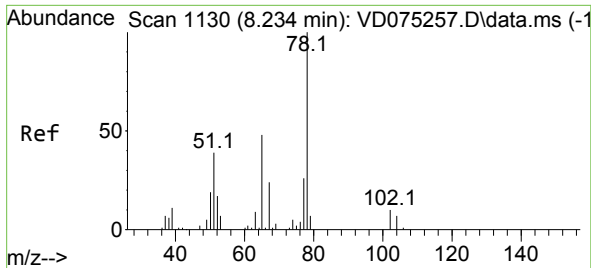
Tgt Ion: 43 Resp: 330
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.8#



#31
Cyclohexane
Concen: 1.293 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD075311.D
Acq: 10 Feb 2023 15:34

Tgt Ion: 56 Resp: 1872
Ion Ratio Lower Upper
56 100
69 164.9 26.6 40.0#
84 105.4 74.1 111.1





#33

1,2-Dichloroethane-d4

Concen: 40.720 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075311.D

Acq: 10 Feb 2023 15:34

Instrument :

MSVOA_D

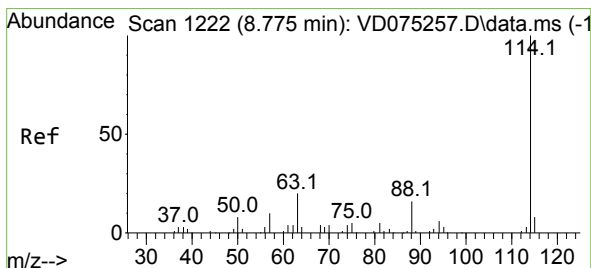
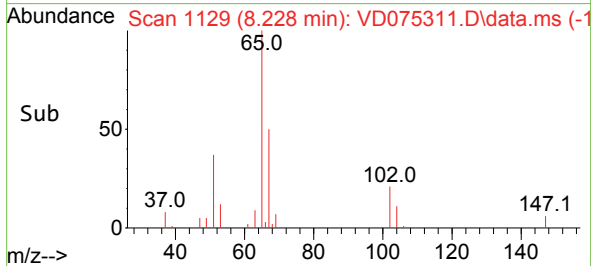
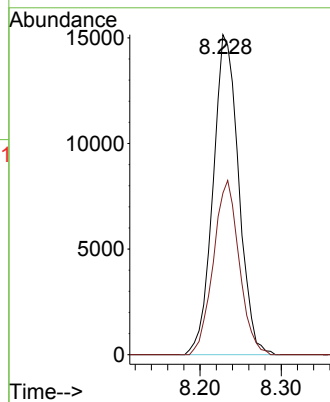
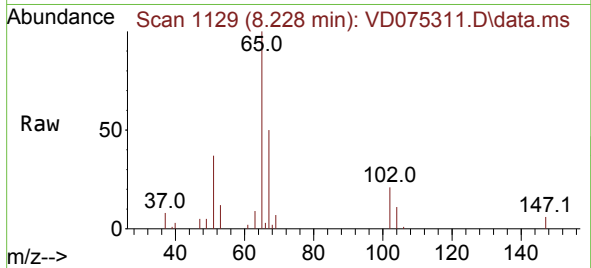
ClientSampleId :

Tgt Ion: 65 Resp: 33192

Ion Ratio Lower Upper

65 100

67 55.0 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD075311.D

Acq: 10 Feb 2023 15:34

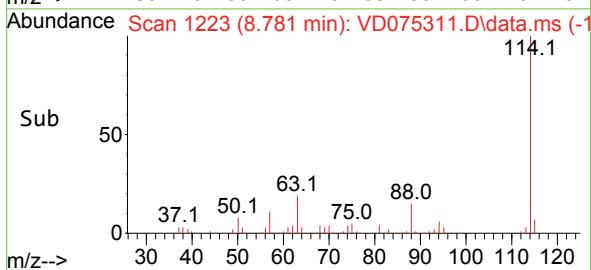
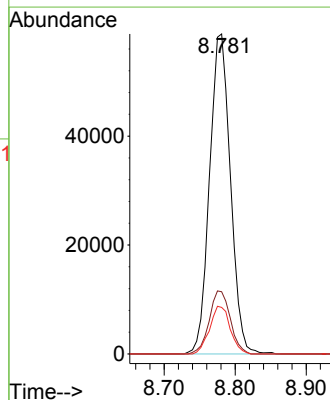
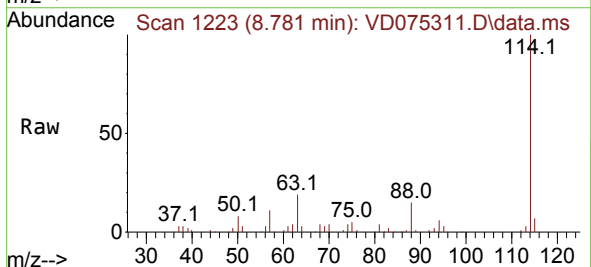
Tgt Ion: 114 Resp: 119776

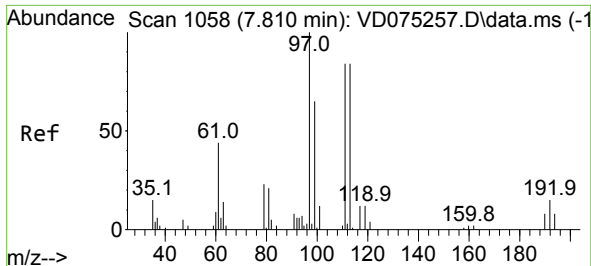
Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.2

88 14.6 0.0 32.2





#35

Dibromofluoromethane

Concen: 42.854 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.005 min

Lab File: VD075311.D

Acq: 10 Feb 2023 15:34

Instrument :

MSVOA_D

ClientSampleId :

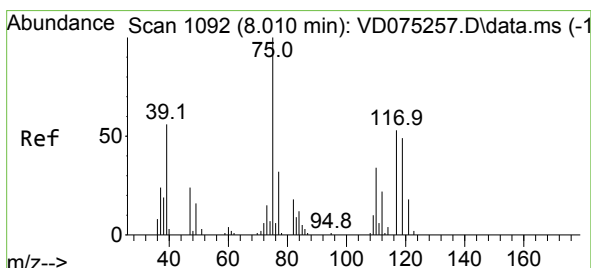
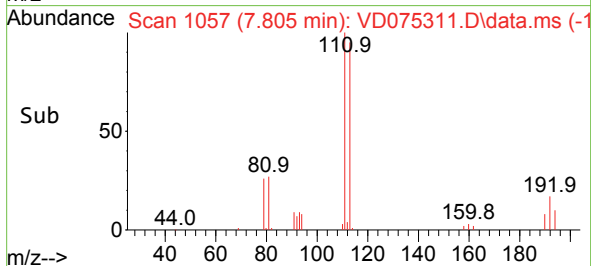
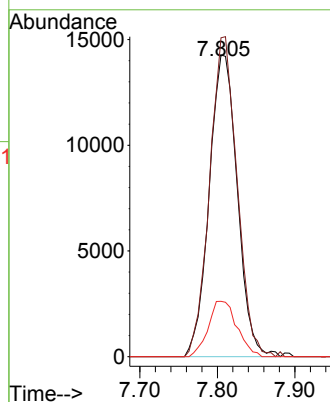
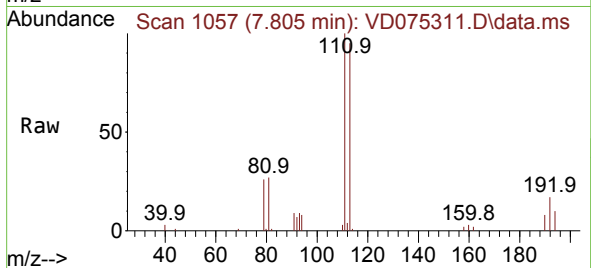
Tgt Ion:113 Resp: 35992

Ion Ratio Lower Upper

113 100

111 103.3 80.1 120.1

192 18.8 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.735 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD075311.D

Acq: 10 Feb 2023 15:34

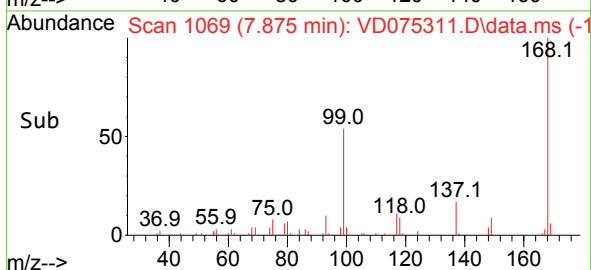
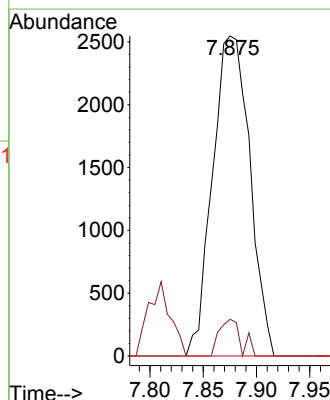
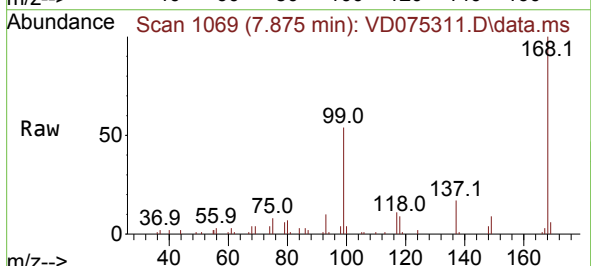
Tgt Ion: 75 Resp: 6195

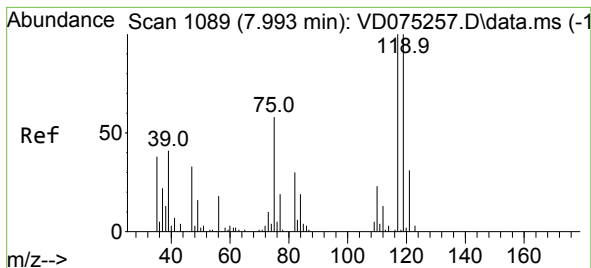
Ion Ratio Lower Upper

75 100

110 6.7 18.1 54.4#

77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.924 ug/l

RT: 7.875 min Scan# 1089

Delta R.T. -0.118 min

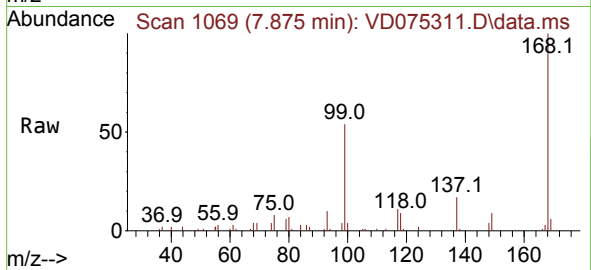
Lab File: VD075311.D

Acq: 10 Feb 2023 15:34

Instrument :

MSVOA_D

ClientSampleId :



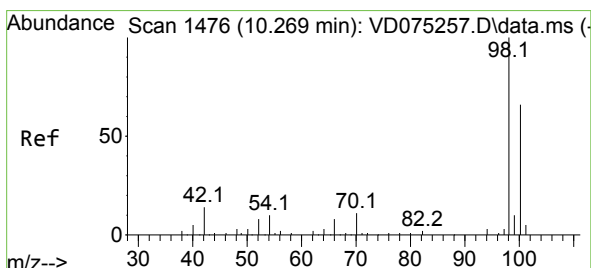
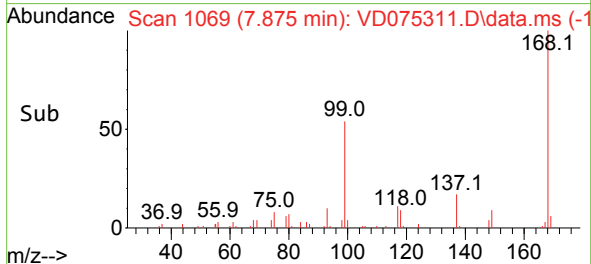
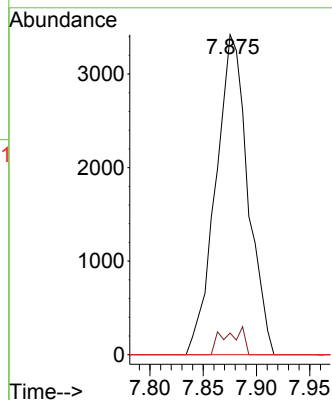
Tgt Ion:117 Resp: 7182

Ion Ratio Lower Upper

117 100

119 6.7 73.6 110.4#

121 0.0 25.4 38.0#



#50

Toluene-d8

Concen: 46.639 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD075311.D

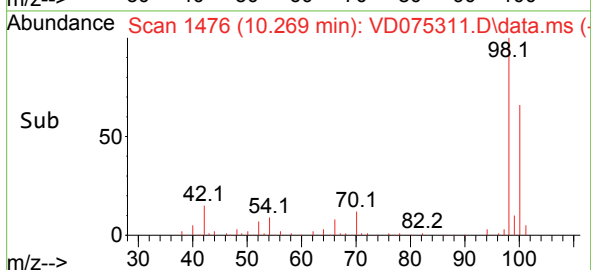
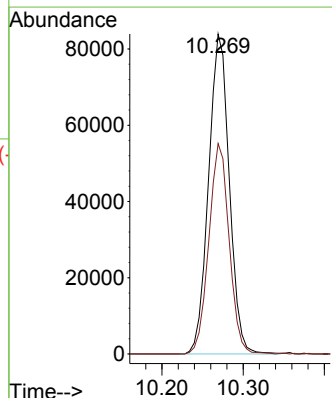
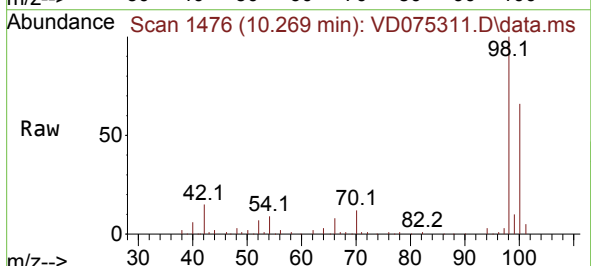
Acq: 10 Feb 2023 15:34

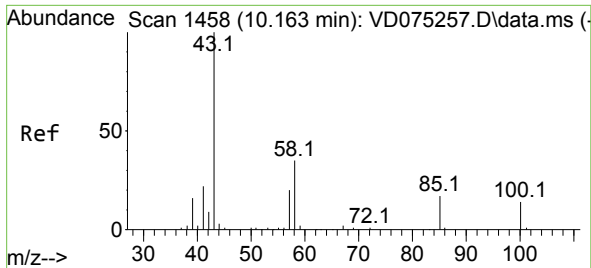
Tgt Ion: 98 Resp: 148549

Ion Ratio Lower Upper

98 100

100 64.4 52.7 79.1

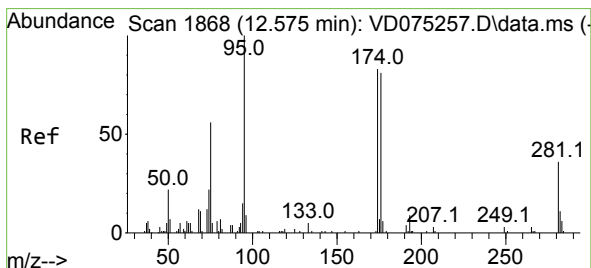
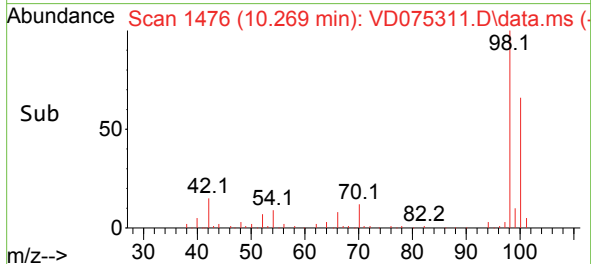
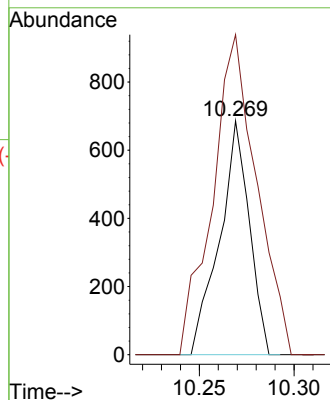
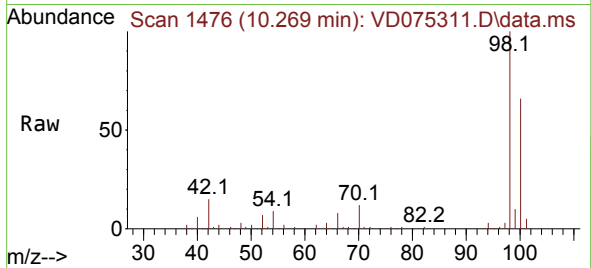




#51
4-Methyl-2-Pentanone
Concen: 1.361 ug/l
RT: 10.269 min Scan# 1458
Delta R.T. 0.106 min
Lab File: VD075311.D
Acq: 10 Feb 2023 15:34

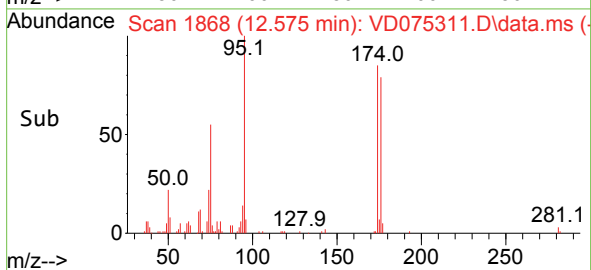
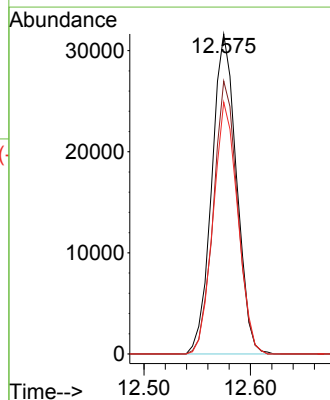
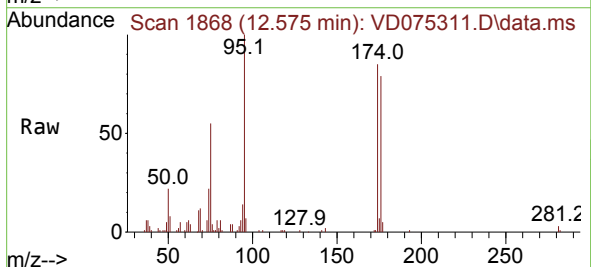
Instrument :
MSVOA_D
ClientSampleId :

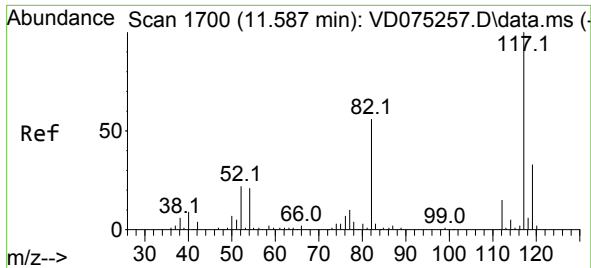
Tgt Ion: 43 Resp: 750
Ion Ratio Lower Upper
43 100
58 202.9 31.4 47.0#



#62
4-Bromofluorobenzene
Concen: 48.594 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075311.D
Acq: 10 Feb 2023 15:34

Tgt Ion: 95 Resp: 51035
Ion Ratio Lower Upper
95 100
174 82.8 0.0 161.2
176 78.2 0.0 160.2

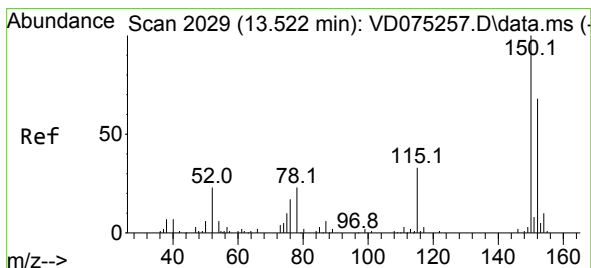
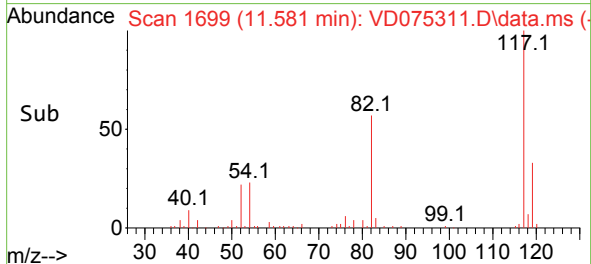
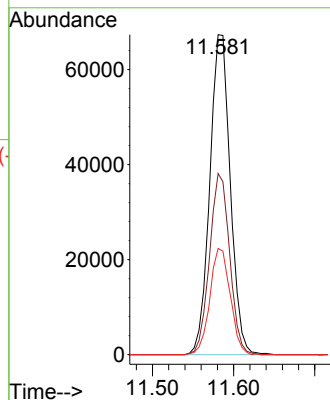
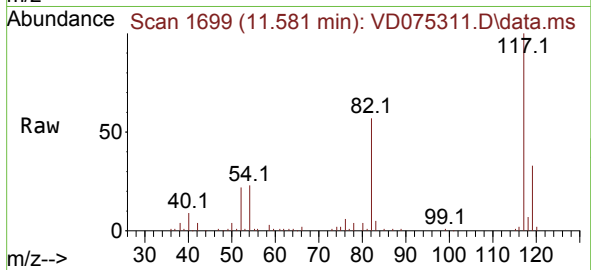




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD075311.D
Acq: 10 Feb 2023 15:34

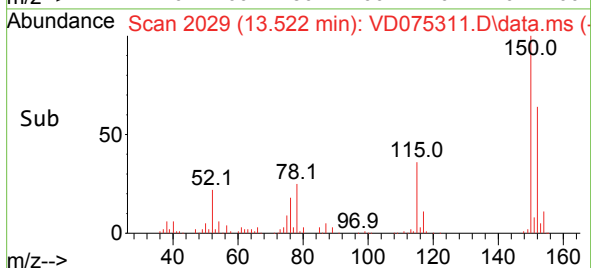
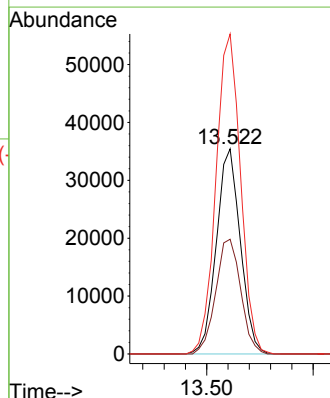
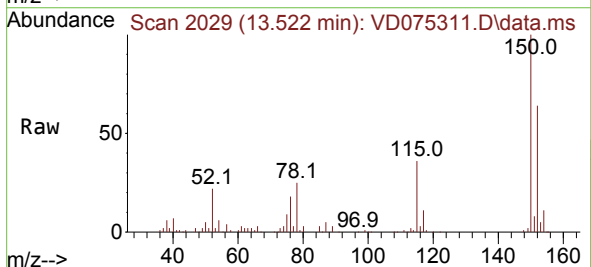
Instrument :
MSVOA_D
ClientSampleId :

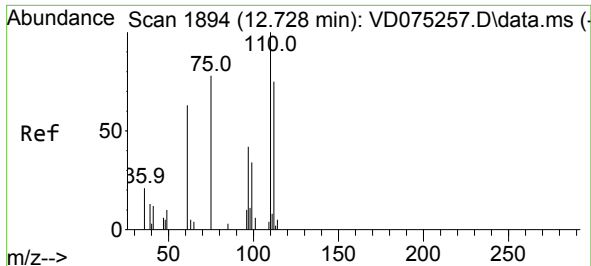
Tgt Ion:117 Resp: 118136
Ion Ratio Lower Upper
117 100
82 56.6 39.6 59.4
119 33.2 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075311.D
Acq: 10 Feb 2023 15:34

Tgt Ion:152 Resp: 55409
Ion Ratio Lower Upper
152 100
115 58.2 28.8 86.4
150 159.7 0.0 348.6

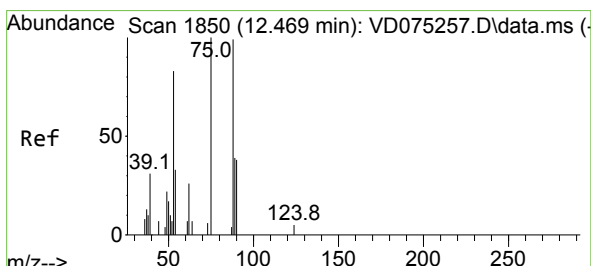
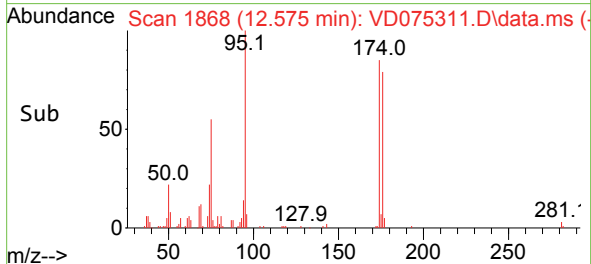
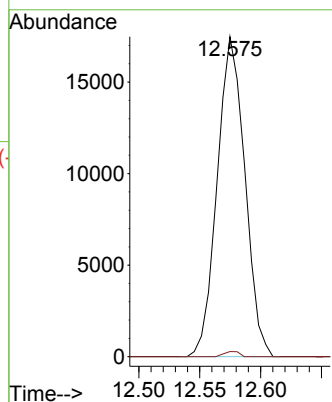
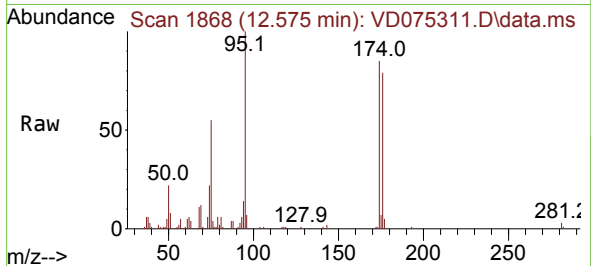




#76
1,2,3-Trichloropropane
Concen: 43.966 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075311.D
Acq: 10 Feb 2023 15:34

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 27671
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 138.831 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075311.D
Acq: 10 Feb 2023 15:34

Tgt Ion: 75 Resp: 27671
Ion Ratio Lower Upper
75 100
53 0.0 70.5 105.7#
89 0.0 34.6 52.0#

