

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020923\
 Data File : VD075285.D
 Acq On : 09 Feb 2023 10:40
 Operator : KP/SY
 Sample : VD0209SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0209SBL01

Quant Time: Feb 10 01:58:17 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)

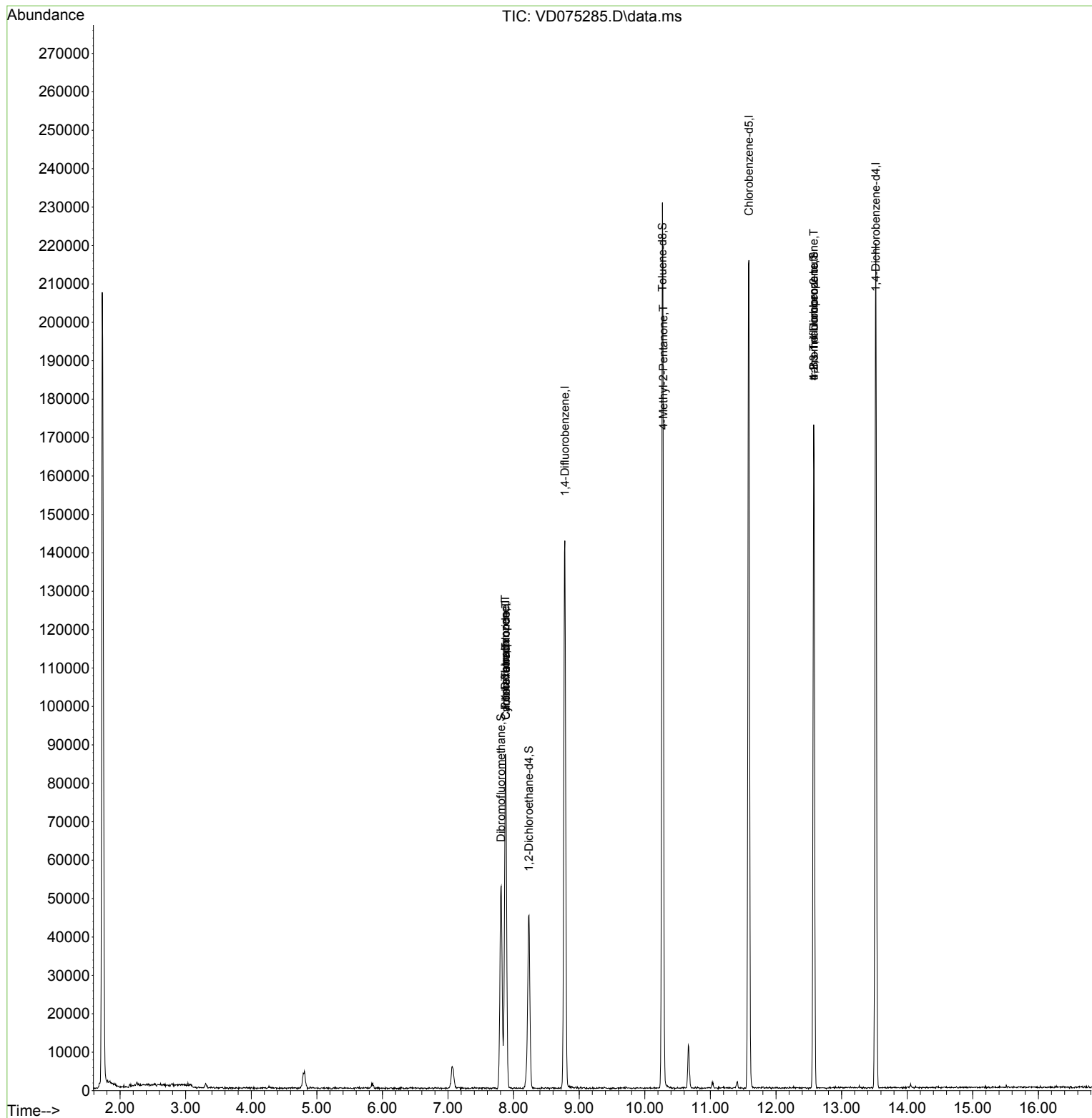
Internal Standards						
1) Pentafluorobenzene	7.875	168	64970	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	121229	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	120929	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	56667	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	34598	45.415	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.820%
35) Dibromofluoromethane	7.810	113	38028	44.736	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.480%
50) Toluene-d8	10.269	98	151936	47.131	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.260%
62) 4-Bromofluorobenzene	12.575	95	50236	47.260	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.520%
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	265	Below Cal	#	67
20) Methylene Chloride	4.816	84	3597	Below Cal	#	73
31) Cyclohexane	7.881	56	1814	1.341	ug/l #	51
36) 1,1-Dichloropropene	7.875	75	5622	4.246	ug/l #	50
38) Carbon Tetrachloride	7.881	117	6661	5.429	ug/l #	21
51) 4-Methyl-2-Pentanone	10.281	43	578	1.036	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	28485	44.255	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	28485	139.728	ug/l #	14

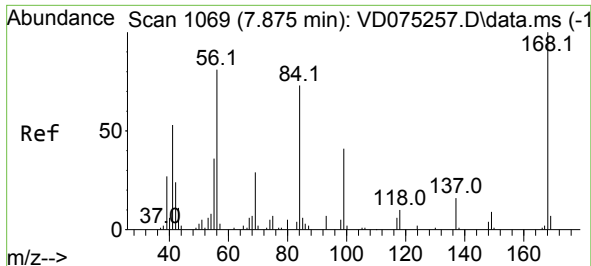
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

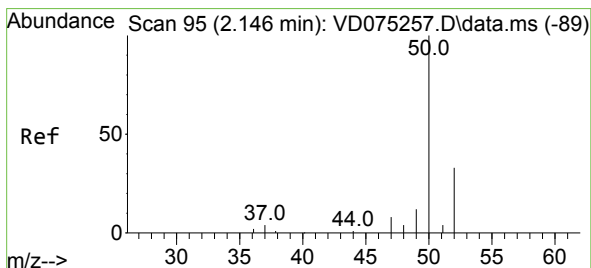
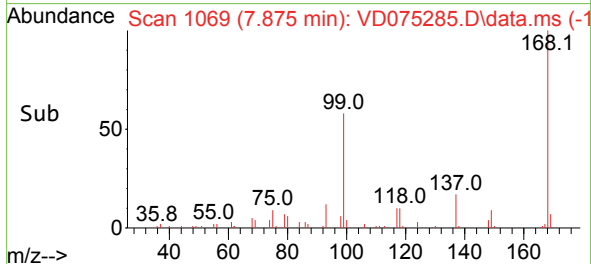
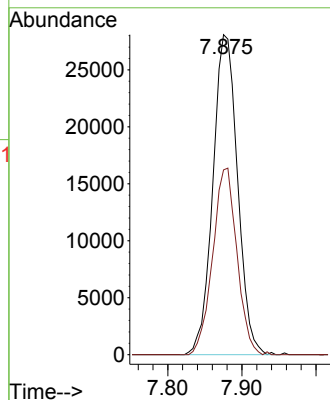
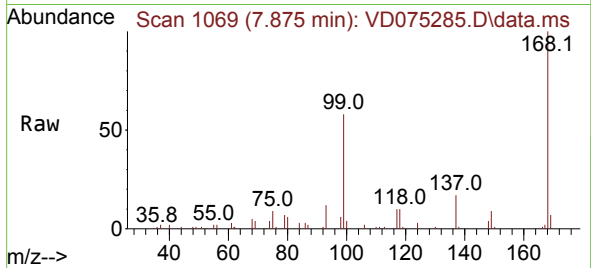




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075285.D
Acq: 09 Feb 2023 10:40

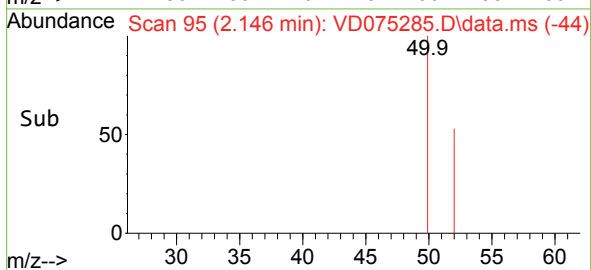
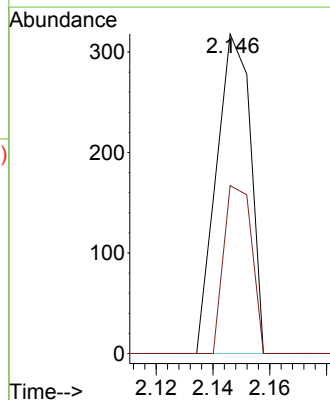
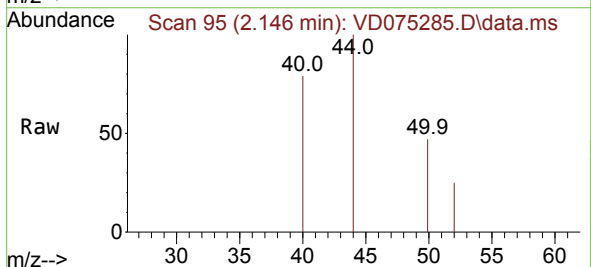
Instrument :
MSVOA_D
ClientSampleId :
VD0209SBL01

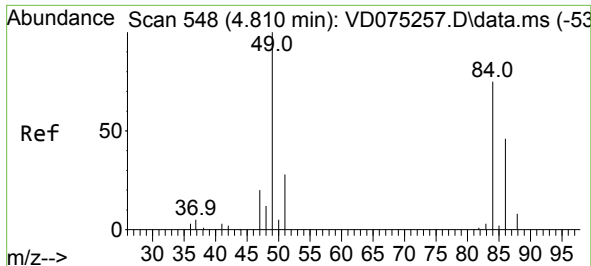
Tgt Ion:168 Resp: 64970
Ion Ratio Lower Upper
168 100
99 57.8 45.2 67.8



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD075285.D
Acq: 09 Feb 2023 10:40

Tgt Ion: 50 Resp: 265
Ion Ratio Lower Upper
50 100
52 52.5 27.0 40.6#



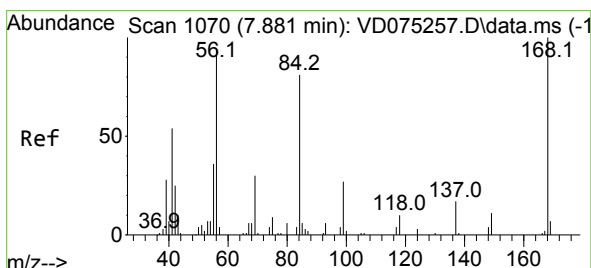
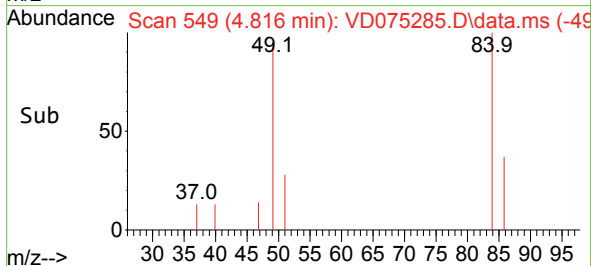
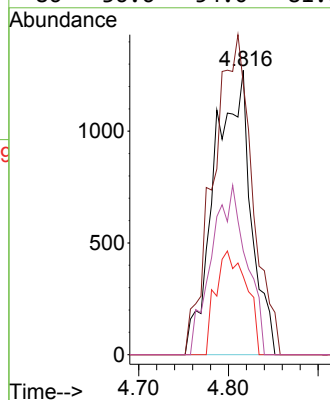
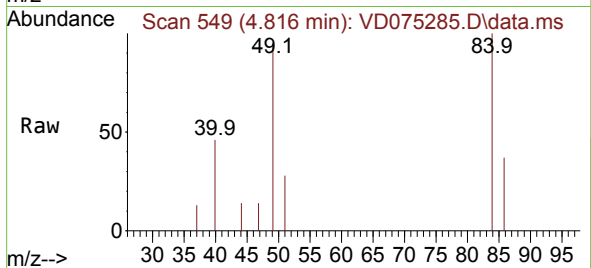


#20
Methylene Chloride
Concen: Below Cal
RT: 4.816 min Scan# 54
Delta R.T. 0.006 min
Lab File: VD075285.D
Acq: 09 Feb 2023 10:40

Instrument :
MSVOA_D
ClientSampleId :
VD0209SBL01

Tgt Ion: 84 Resp: 3597

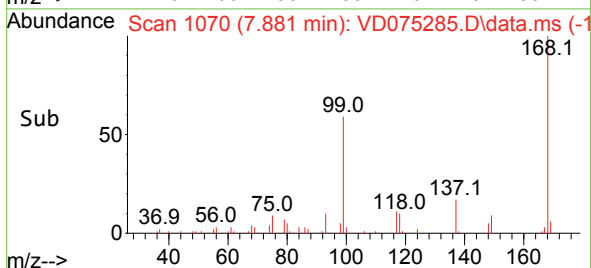
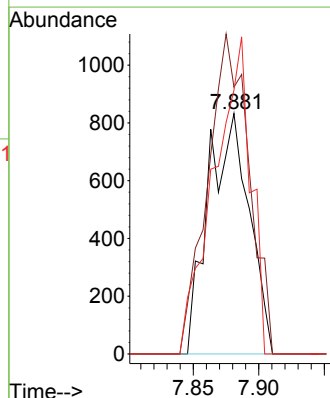
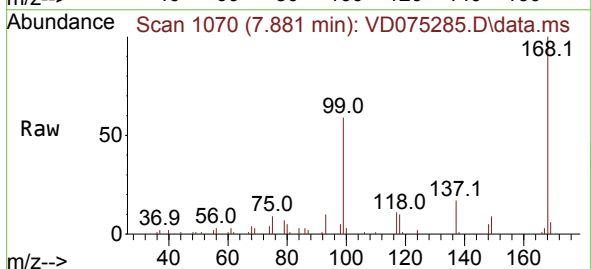
Ion	Ratio	Lower	Upper
84	100		
49	95.4	97.0	145.6#
51	27.5	30.9	46.3#
86	36.6	54.0	81.0#

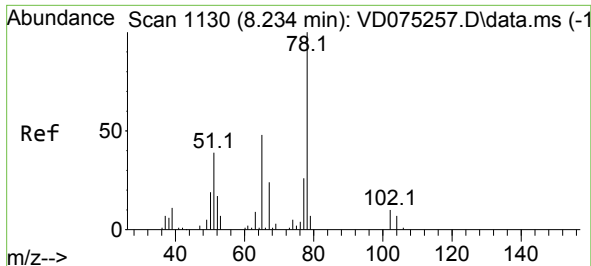


#31
Cyclohexane
Concen: 1.341 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD075285.D
Acq: 09 Feb 2023 10:40

Tgt Ion: 56 Resp: 1814

Ion	Ratio	Lower	Upper
56	100		
69	110.9	26.6	40.0#
84	109.6	74.1	111.1





#33

1,2-Dichloroethane-d4

Concen: 45.415 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD075285.D

Acq: 09 Feb 2023 10:40

Instrument :

MSVOA_D

ClientSampleId :

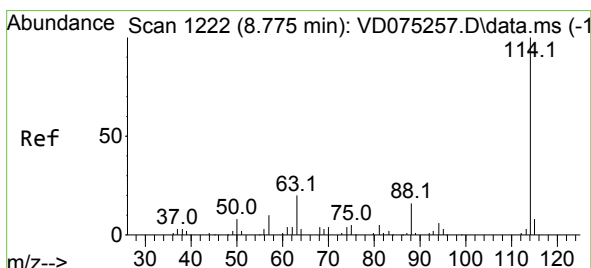
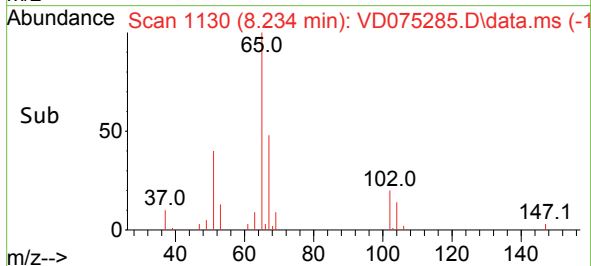
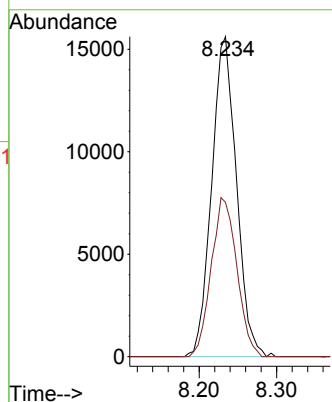
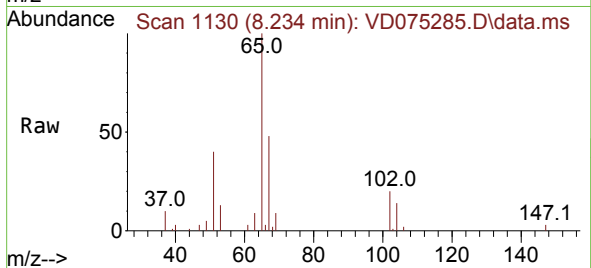
VD0209SBL01

Tgt Ion: 65 Resp: 34598

Ion Ratio Lower Upper

65 100

67 51.6 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: VD075285.D

Acq: 09 Feb 2023 10:40

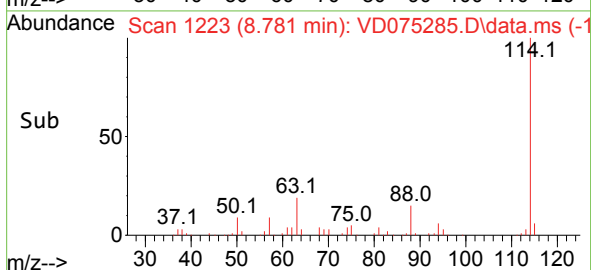
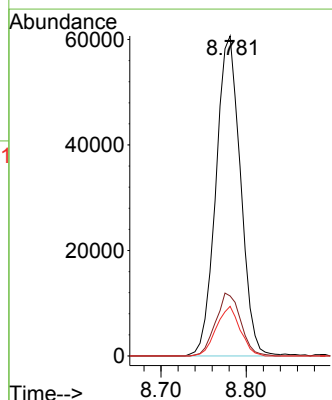
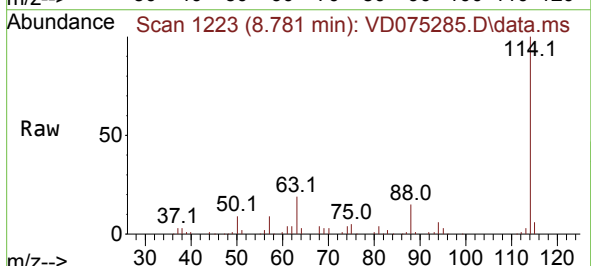
Tgt Ion:114 Resp: 121229

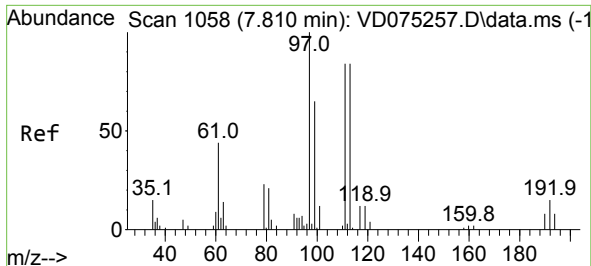
Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.2

88 15.5 0.0 32.2

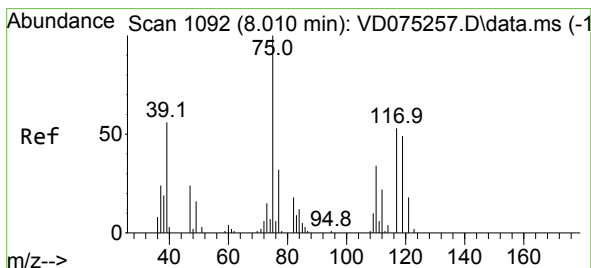
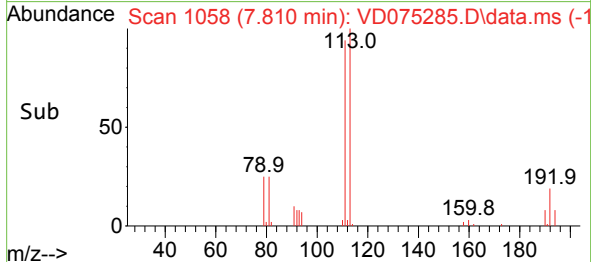
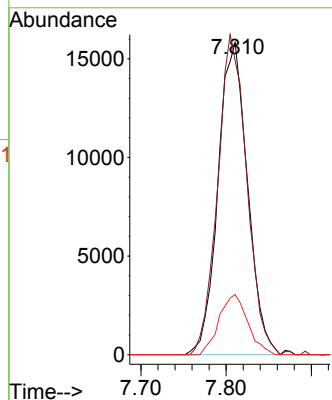
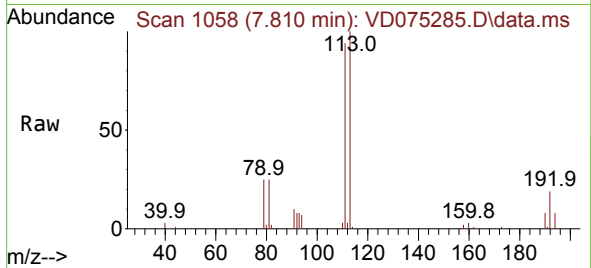




#35
Dibromofluoromethane
Concen: 44.736 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VD075285.D
Acq: 09 Feb 2023 10:40

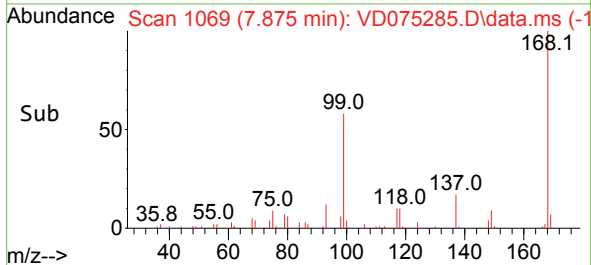
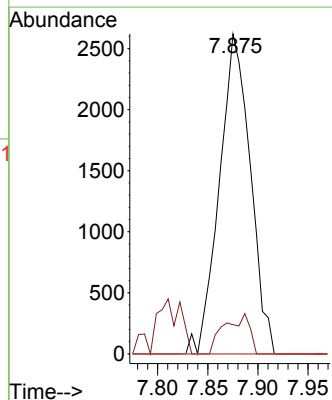
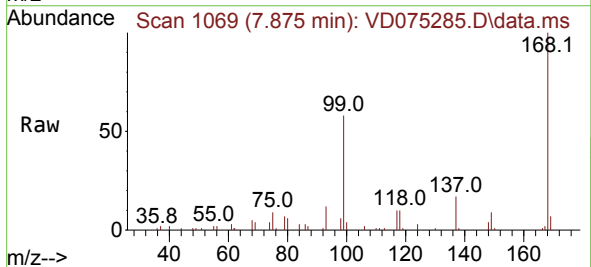
Instrument :
MSVOA_D
ClientSampleId :
VD0209SBL01

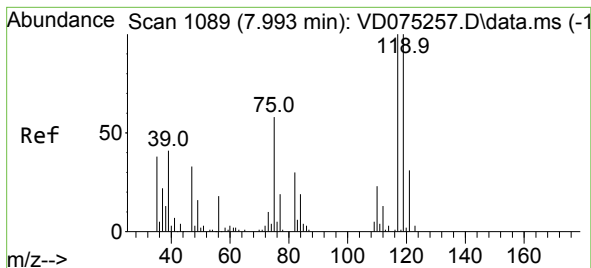
Tgt Ion:113 Resp: 38028
Ion Ratio Lower Upper
113 100
111 101.4 80.1 120.1
192 18.8 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.246 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD075285.D
Acq: 09 Feb 2023 10:40

Tgt Ion: 75 Resp: 5622
Ion Ratio Lower Upper
75 100
110 10.2 18.1 54.4#
77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.429 ug/l

RT: 7.881 min Scan# 1089

Delta R.T. -0.112 min

Lab File: VD075285.D

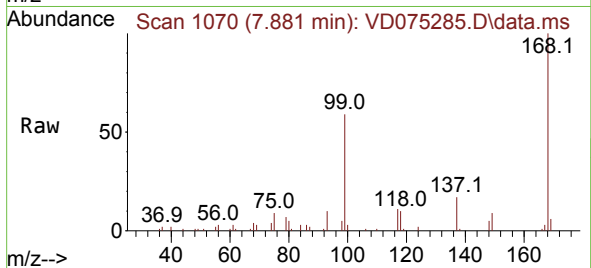
Acq: 09 Feb 2023 10:40

Instrument :

MSVOA_D

ClientSampleId :

VD0209SBL01



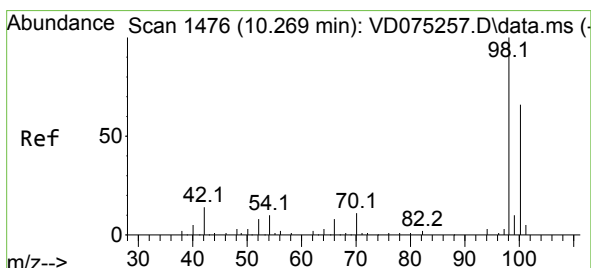
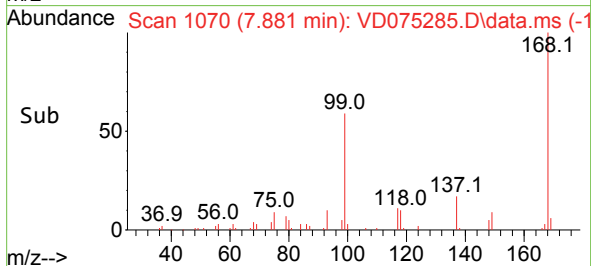
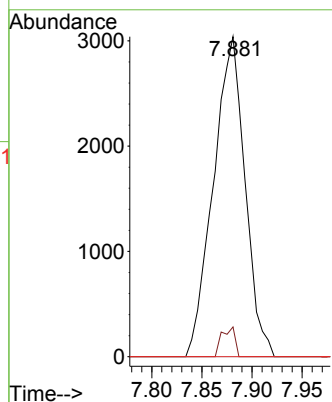
Tgt Ion:117 Resp: 6661

Ion Ratio Lower Upper

117 100

119 9.3 73.6 110.4#

121 0.0 25.4 38.0#



#50

Toluene-d8

Concen: 47.131 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD075285.D

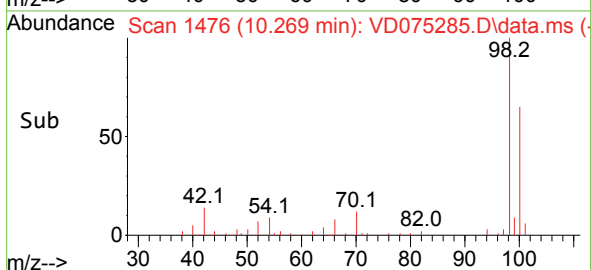
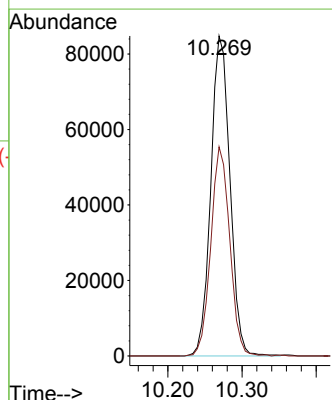
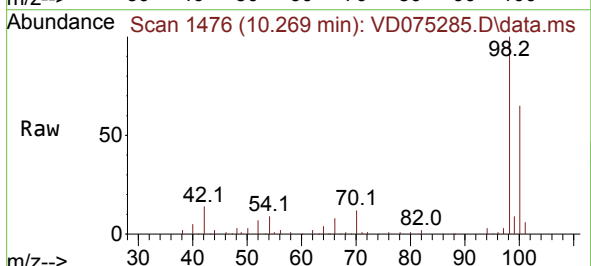
Acq: 09 Feb 2023 10:40

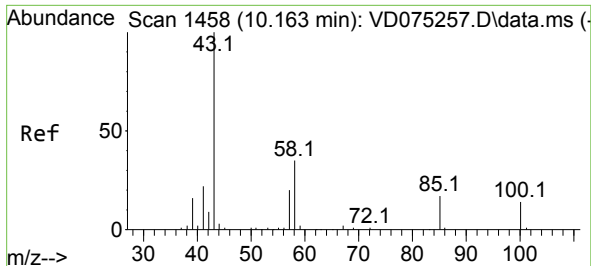
Tgt Ion: 98 Resp: 151936

Ion Ratio Lower Upper

98 100

100 64.7 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 1.036 ug/l

RT: 10.281 min Scan# 1458

Delta R.T. 0.118 min

Lab File: VD075285.D

Acq: 09 Feb 2023 10:40

Instrument :

MSVOA_D

ClientSampleId :

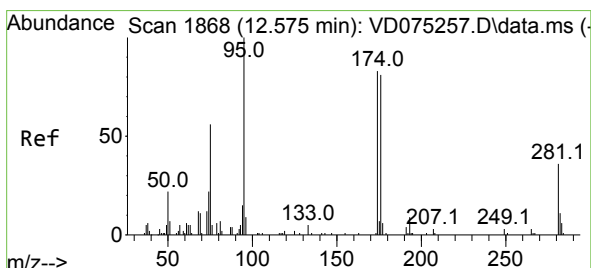
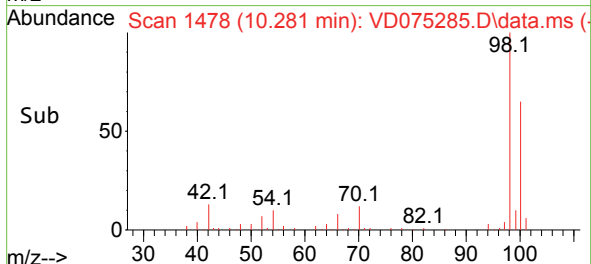
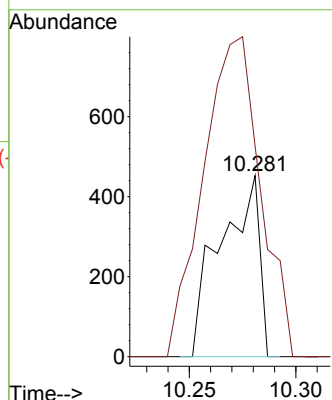
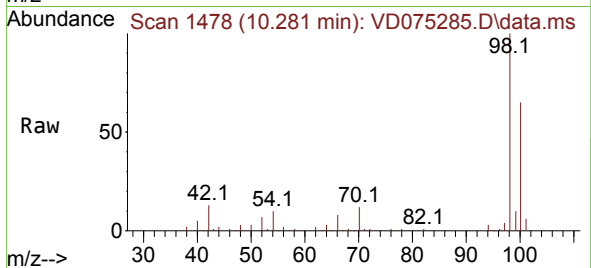
VD0209SBL01

Tgt Ion: 43 Resp: 578

Ion Ratio Lower Upper

43 100

58 258.3 31.4 47.0#



#62

4-Bromofluorobenzene

Concen: 47.260 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD075285.D

Acq: 09 Feb 2023 10:40

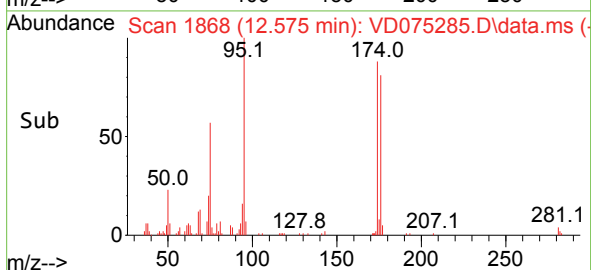
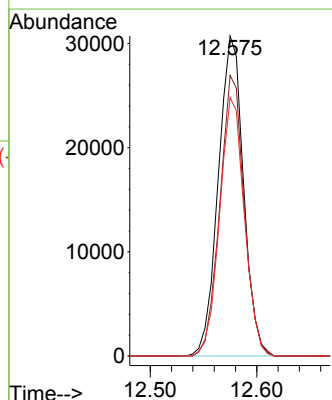
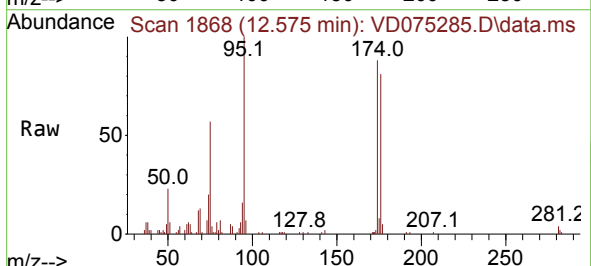
Tgt Ion: 95 Resp: 50236

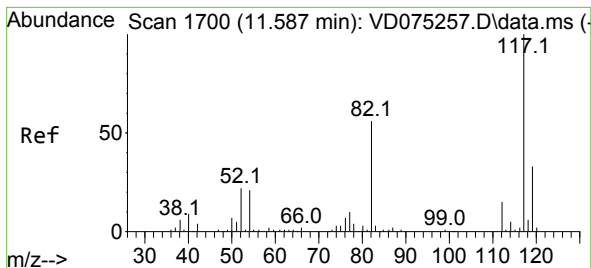
Ion Ratio Lower Upper

95 100

174 85.1 0.0 161.2

176 79.5 0.0 160.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.587 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075285.D

Acq: 09 Feb 2023 10:40

Instrument :

MSVOA_D

ClientSampleId :

VD0209SBL01

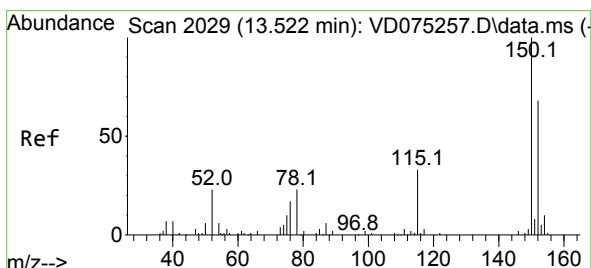
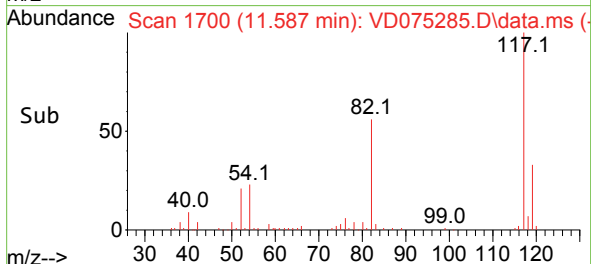
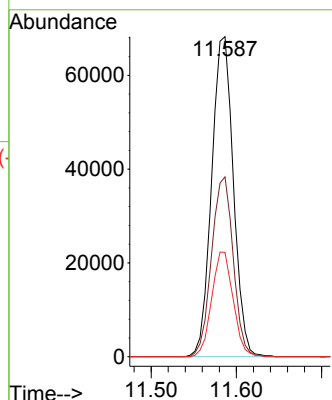
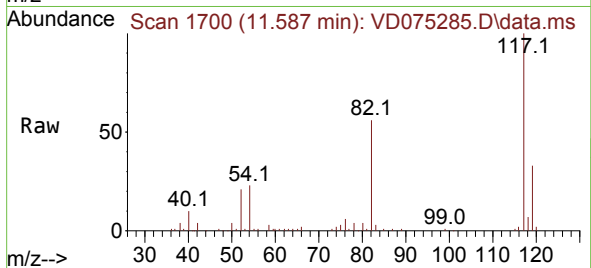
Tgt Ion:117 Resp: 120929

Ion Ratio Lower Upper

117 100

82 56.2 39.6 59.4

119 32.6 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: VD075285.D

Acq: 09 Feb 2023 10:40

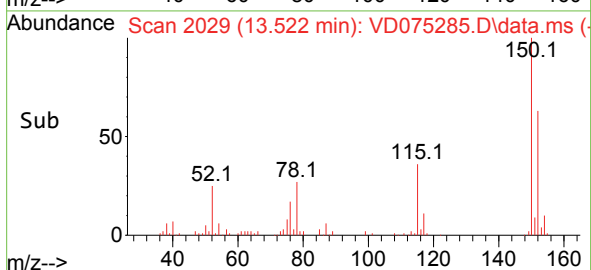
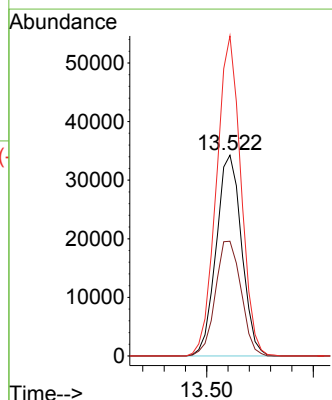
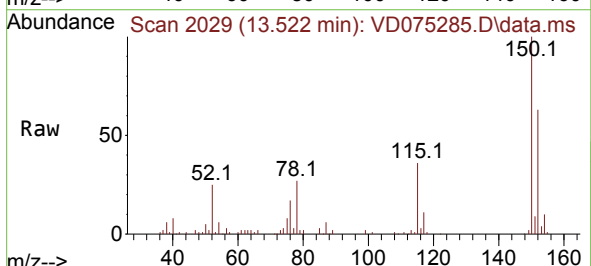
Tgt Ion:152 Resp: 56667

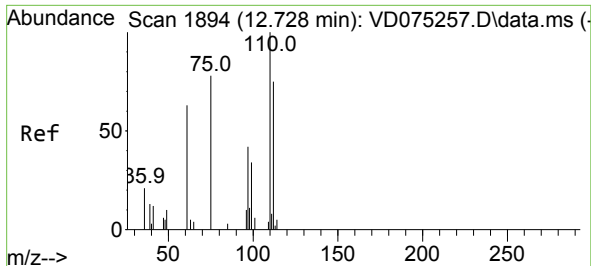
Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.4

150 153.8 0.0 348.6

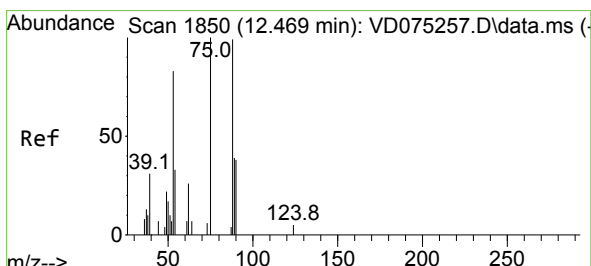
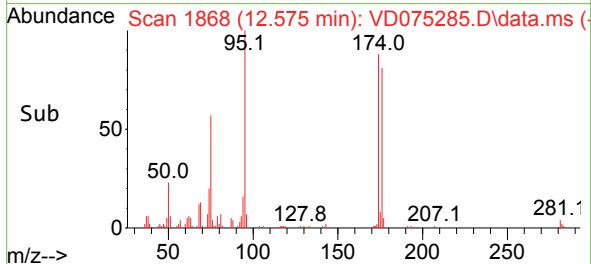
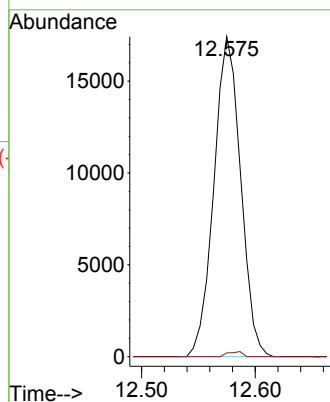
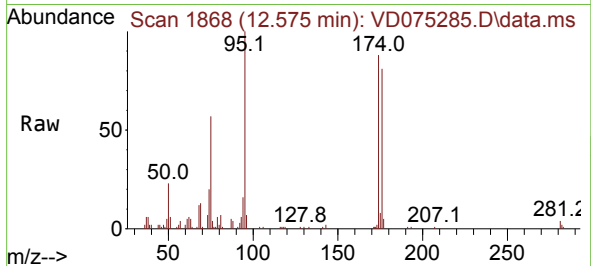




#76
1,2,3-Trichloropropane
Concen: 44.255 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075285.D
Acq: 09 Feb 2023 10:40

Instrument :
MSVOA_D
ClientSampleId :
VD0209SBL01

Tgt Ion: 75 Resp: 28485
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 139.728 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075285.D
Acq: 09 Feb 2023 10:40

Tgt Ion: 75 Resp: 28485
Ion Ratio Lower Upper
75 100
53 0.0 70.5 105.7#
89 0.0 34.6 52.0#

