

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042423\
 Data File : VD075793.D
 Acq On : 24 Apr 2023 13:59
 Operator : KP/SY
 Sample : 02416-05
 Misc : 4.74G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 4-GRAB

Quant Time: Apr 25 06:09:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

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

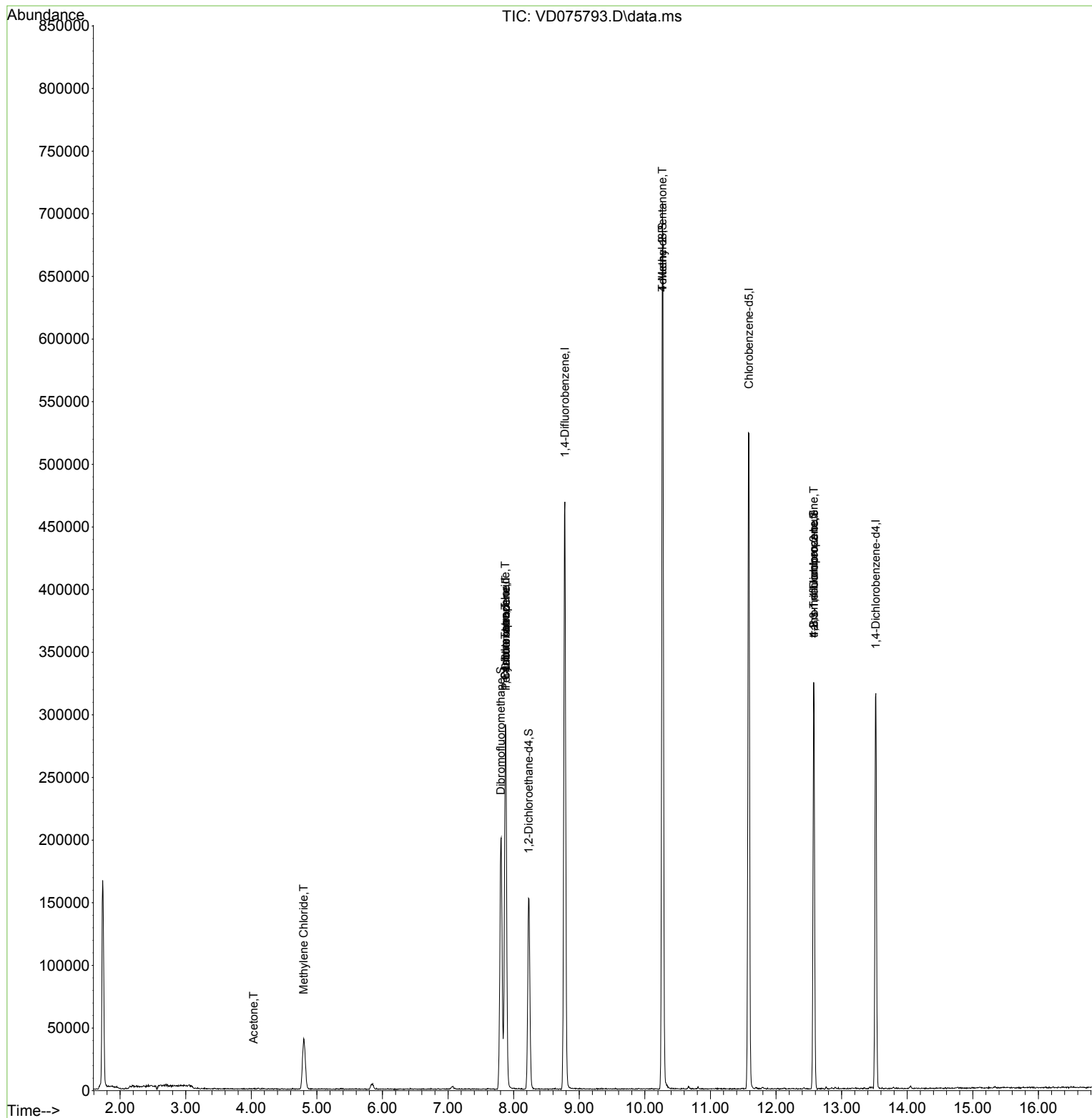
Internal Standards						
1) Pentafluorobenzene	7.881	168	247448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	460901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	351161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	96088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	118161	50.308	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.620%
35) Dibromofluoromethane	7.804	113	152214	49.101	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.200%
50) Toluene-d8	10.269	98	530478	42.731	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.460%
62) 4-Bromofluorobenzene	12.575	95	102425	31.041	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	62.080%
Target Compounds						
					Qvalue	
16) Acetone	4.034	43	763	1.773	ug/l #	44
20) Methylene Chloride	4.799	84	35552	6.685	ug/l #	77
31) Cyclohexane	7.875	56	4292	1.164	ug/l #	1
36) 1,1-Dichloropropene	7.881	75	16859	3.942	ug/l #	49
38) Carbon Tetrachloride	7.875	117	22403	5.949	ug/l #	16
51) 4-Methyl-2-Pentanone	10.269	43	1443	1.140	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	50016	63.829	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	50016	138.344	ug/l #	5

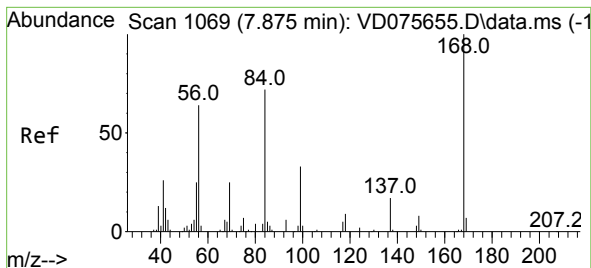
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Apr 13 14:16:29 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD075793.D

Acq: 24 Apr 2023 13:59

Instrument :

MSVOA_D

ClientSampleId :

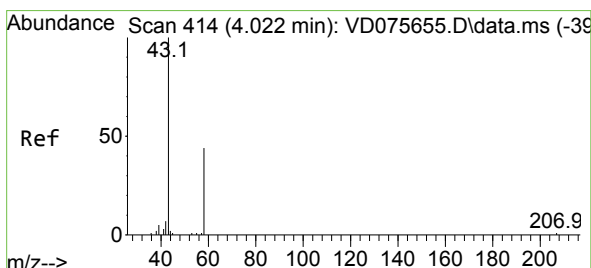
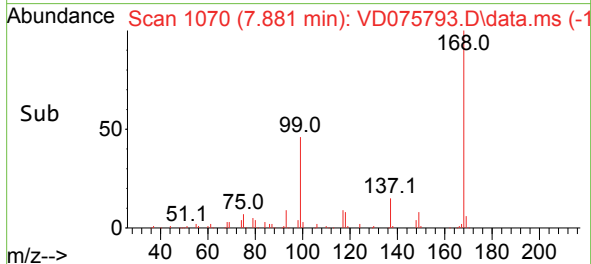
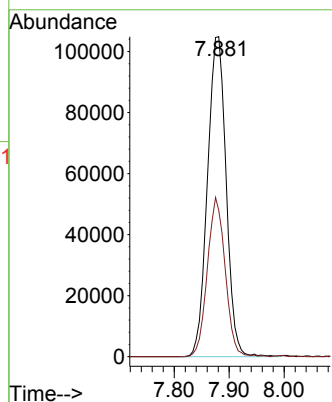
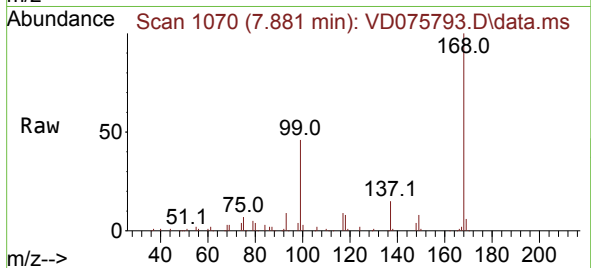
4-GRAB

Tgt Ion:168 Resp: 247448

Ion Ratio Lower Upper

168 100

99 45.7 43.8 65.6



#16

Acetone

Concen: 1.773 ug/l

RT: 4.034 min Scan# 416

Delta R.T. 0.012 min

Lab File: VD075793.D

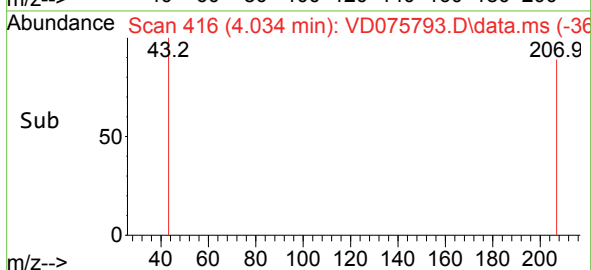
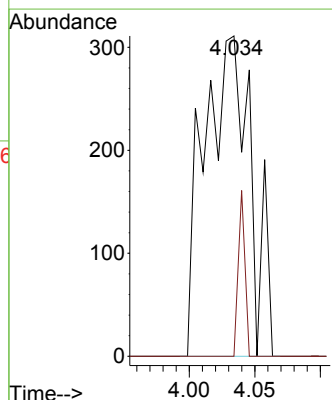
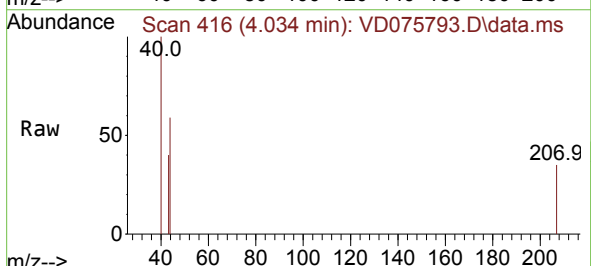
Acq: 24 Apr 2023 13:59

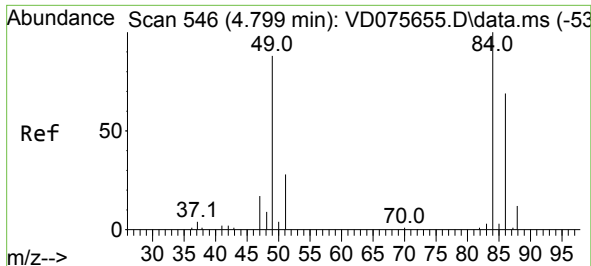
Tgt Ion: 43 Resp: 763

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#

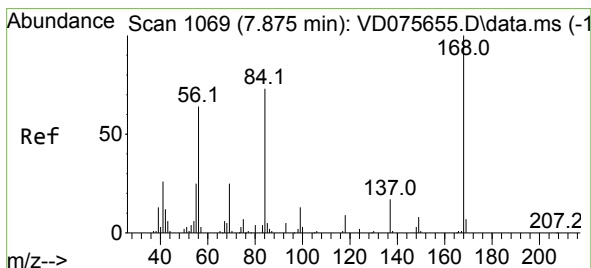
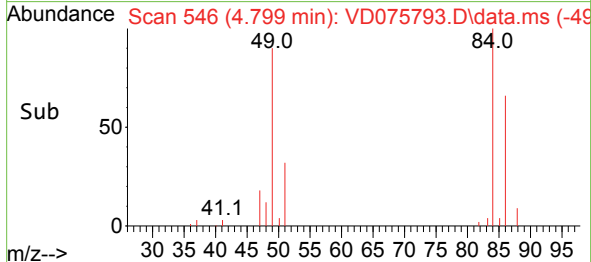
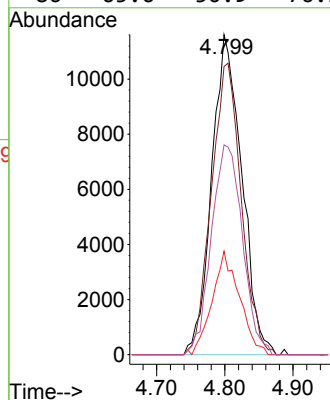
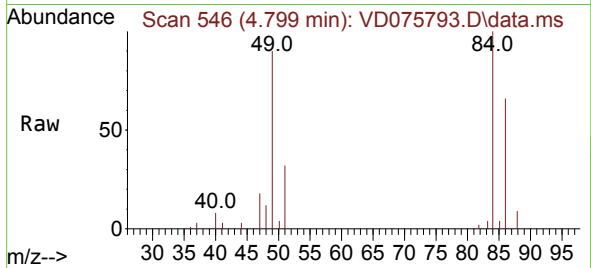




#20
Methylene Chloride
Concen: 6.685 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD075793.D
Acq: 24 Apr 2023 13:59

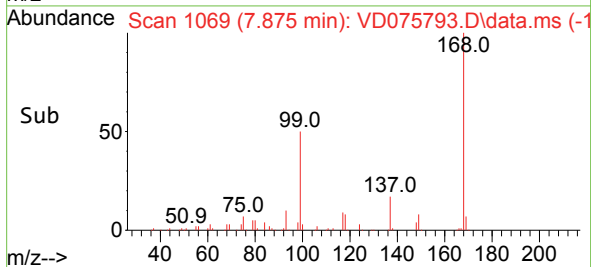
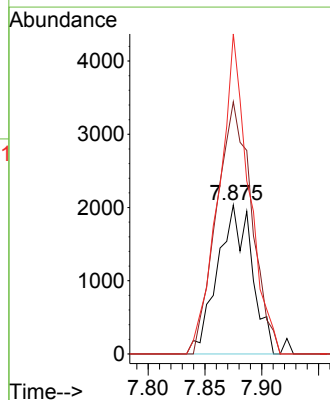
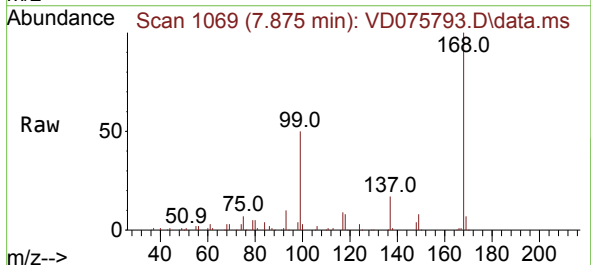
Instrument :
MSVOA_D
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4-GRAB

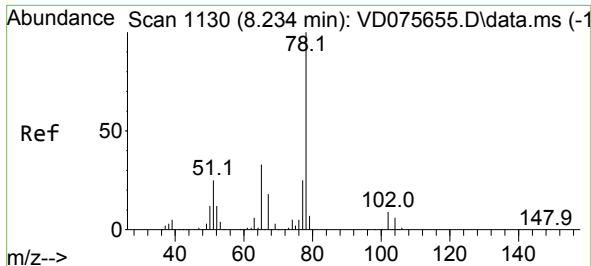
Tgt Ion:	84	Resp:	35552
Ion	Ratio	Lower	Upper
84	100		
49	90.0	106.4	159.6#
51	32.3	32.4	48.6#
86	65.6	50.9	76.3



#31
Cyclohexane
Concen: 1.164 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075793.D
Acq: 24 Apr 2023 13:59

Tgt Ion:	56	Resp:	4292
Ion	Ratio	Lower	Upper
56	100		
69	169.3	25.5	38.3#
84	214.8	69.6	104.4#





#33

1,2-Dichloroethane-d4

Concen: 50.308 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075793.D

Acq: 24 Apr 2023 13:59

Instrument :

MSVOA_D

ClientSampleId :

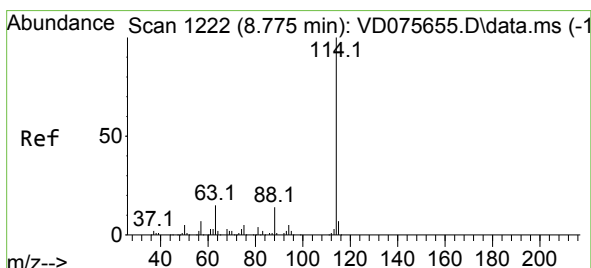
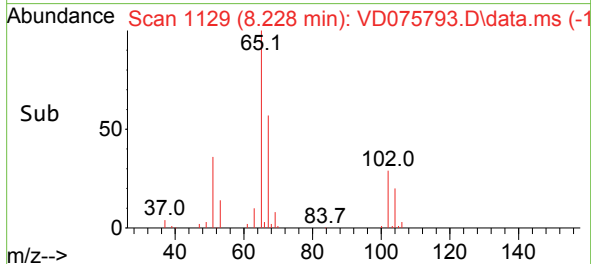
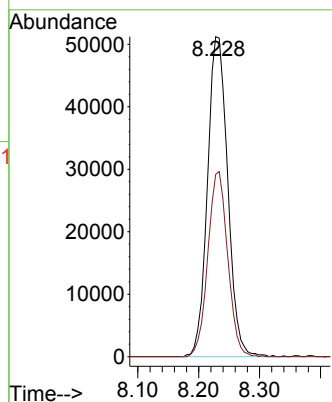
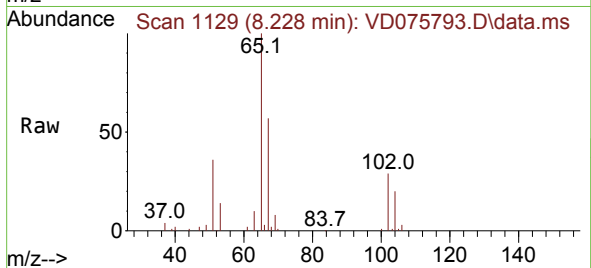
4-GRAB

Tgt Ion: 65 Resp: 118161

Ion Ratio Lower Upper

65 100

67 56.8 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD075793.D

Acq: 24 Apr 2023 13:59

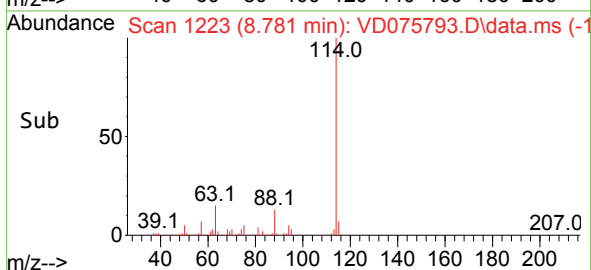
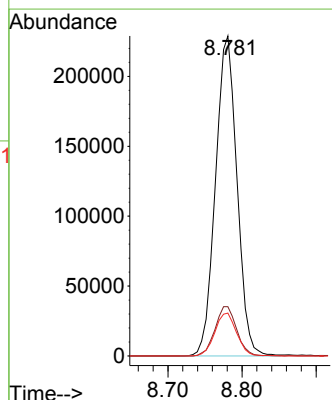
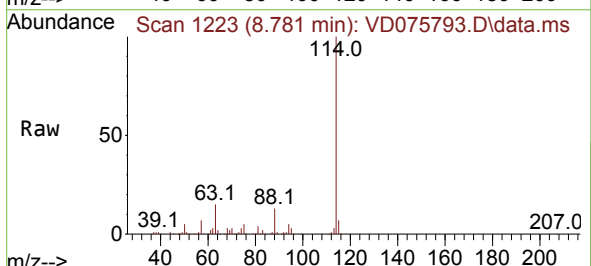
Tgt Ion:114 Resp: 460901

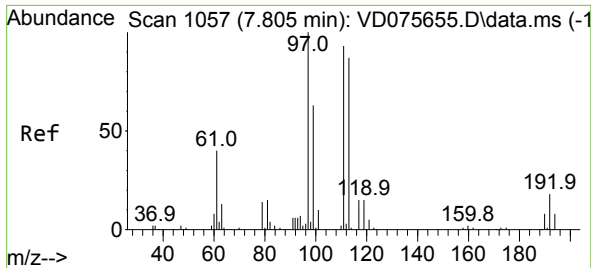
Ion Ratio Lower Upper

114 100

63 15.4 0.0 41.6

88 13.4 0.0 30.6

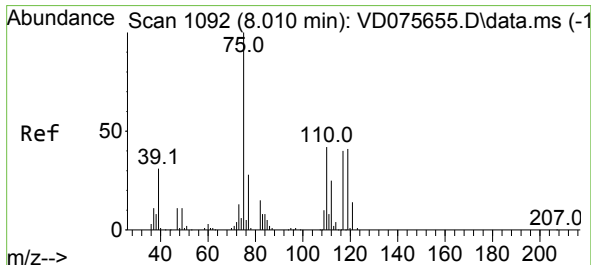
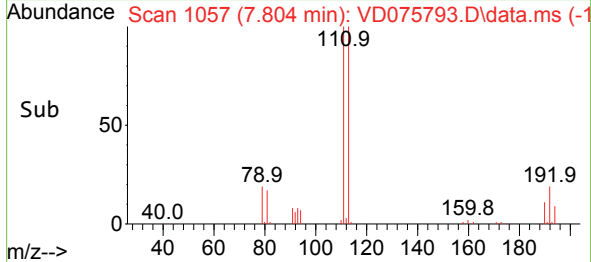
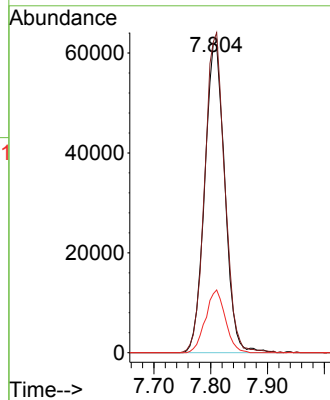
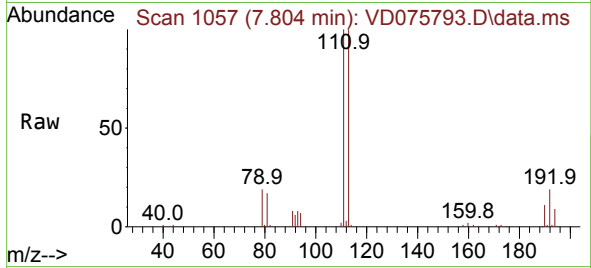




#35
Dibromofluoromethane
Concen: 49.101 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD075793.D
Acq: 24 Apr 2023 13:59

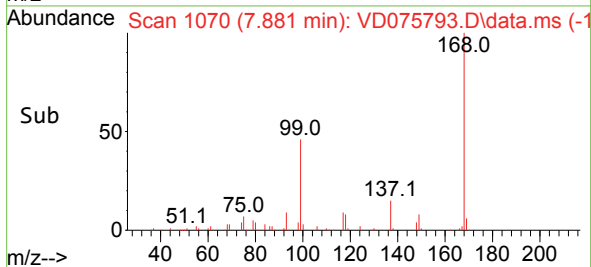
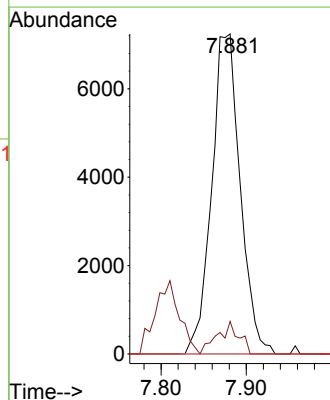
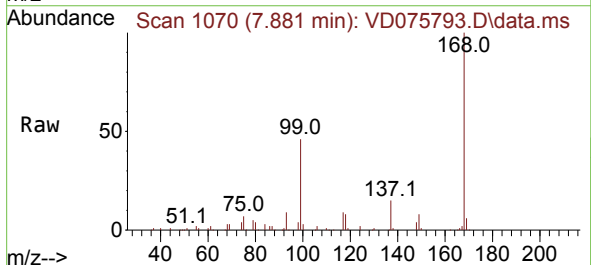
Instrument :
MSVOA_D
ClientSampleId :
4-GRAB

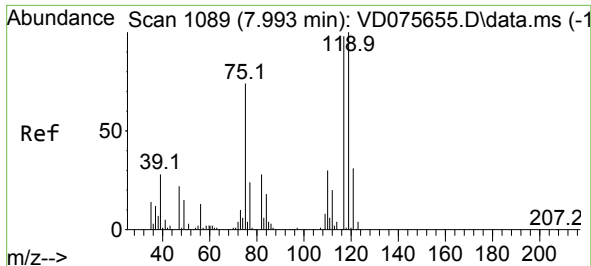
Tgt Ion:113 Resp: 152214
Ion Ratio Lower Upper
113 100
111 102.5 81.4 122.0
192 20.0 15.2 22.8



#36
1,1-Dichloropropene
Concen: 3.942 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.129 min
Lab File: VD075793.D
Acq: 24 Apr 2023 13:59

Tgt Ion: 75 Resp: 16859
Ion Ratio Lower Upper
75 100
110 7.6 17.1 51.2#
77 0.0 24.6 36.8#

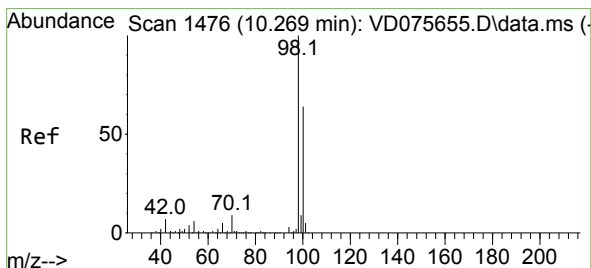
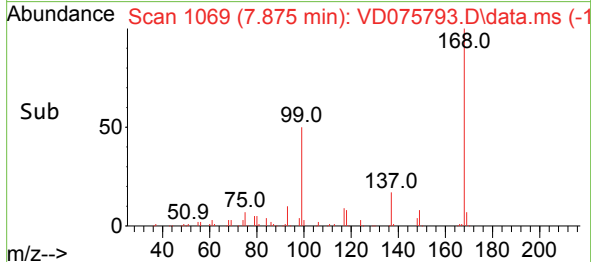
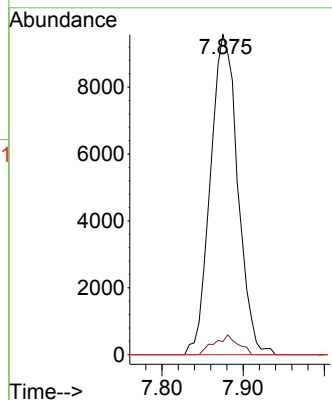
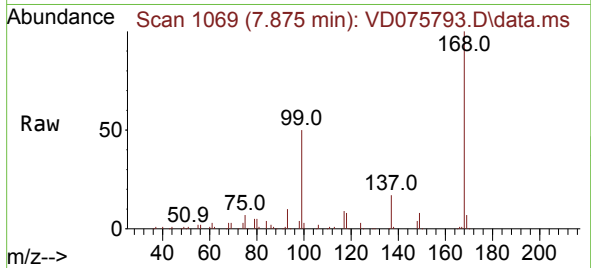




#38
Carbon Tetrachloride
Concen: 5.949 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD075793.D
Acq: 24 Apr 2023 13:59

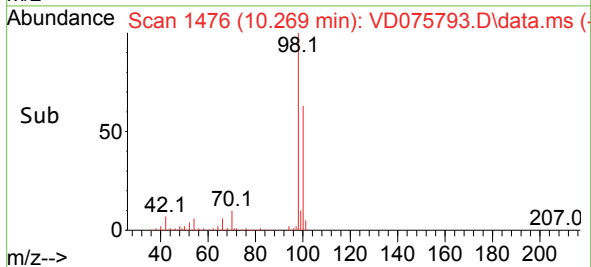
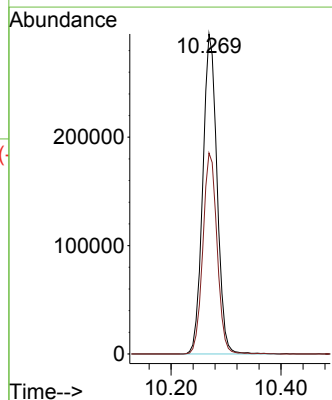
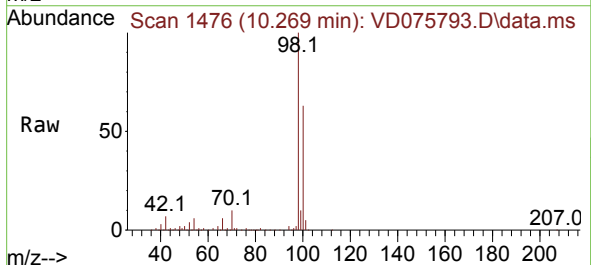
Instrument :
MSVOA_D
ClientSampleId :
4-GRAB

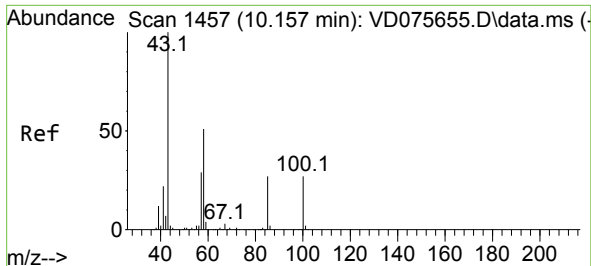
Tgt Ion:117 Resp: 22403
Ion Ratio Lower Upper
117 100
119 4.1 74.7 112.1#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 42.731 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075793.D
Acq: 24 Apr 2023 13:59

Tgt Ion: 98 Resp: 530478
Ion Ratio Lower Upper
98 100
100 62.6 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 1.140 ug/l

RT: 10.269 min Scan# 1457

Delta R.T. 0.112 min

Lab File: VD075793.D

Acq: 24 Apr 2023 13:59

Instrument :

MSVOA_D

ClientSampleId :

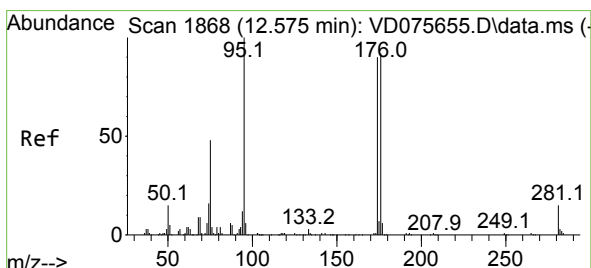
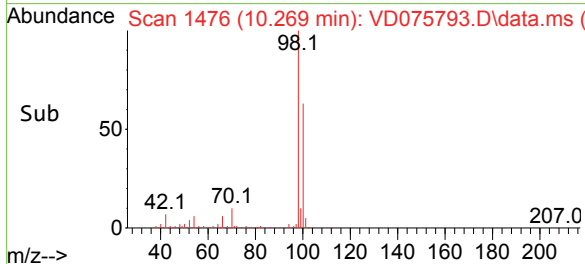
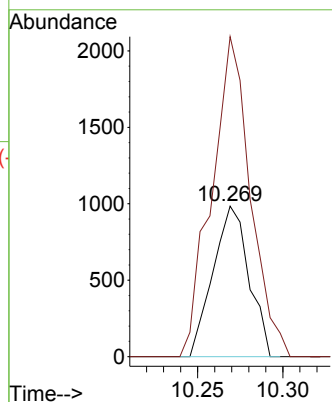
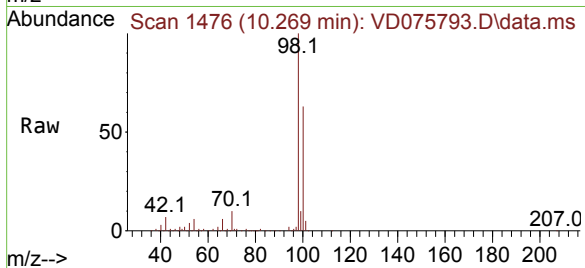
4-GRAB

Tgt Ion: 43 Resp: 1443

Ion Ratio Lower Upper

43 100

58 229.6 29.5 44.3#



#62

4-Bromofluorobenzene

Concen: 31.041 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD075793.D

Acq: 24 Apr 2023 13:59

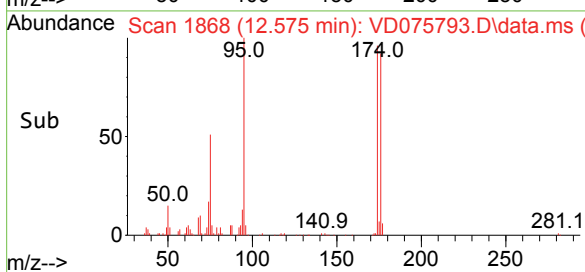
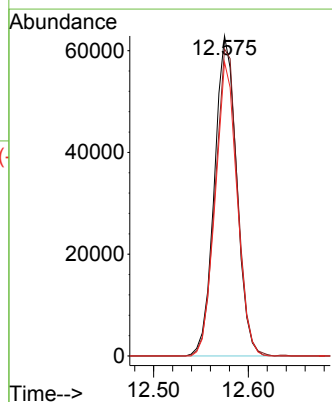
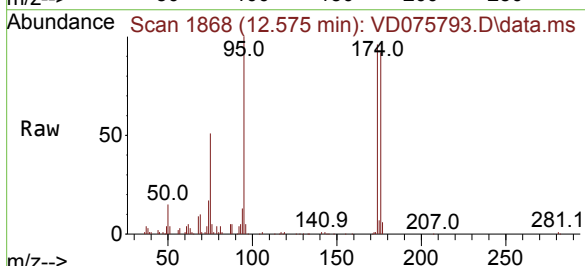
Tgt Ion: 95 Resp: 102425

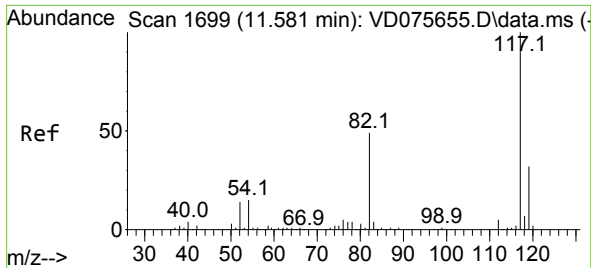
Ion Ratio Lower Upper

95 100

174 96.4 0.0 164.0

176 90.4 0.0 156.8

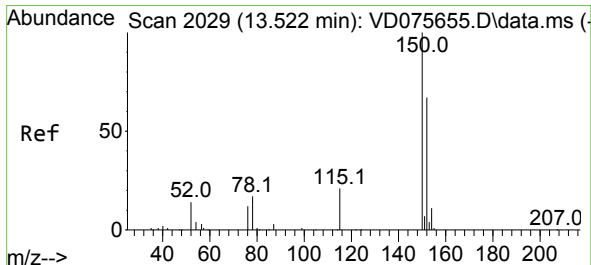
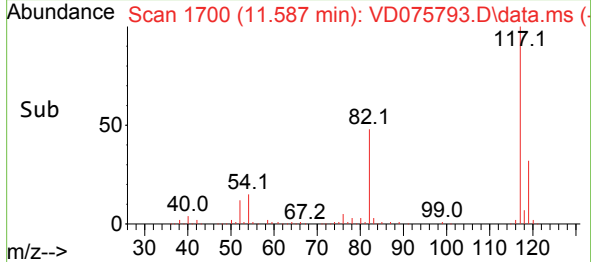
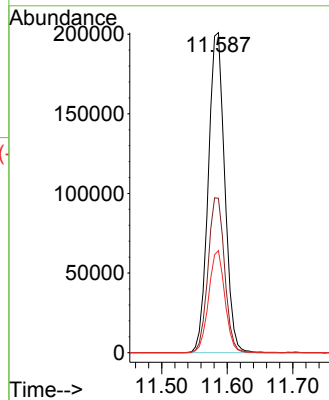
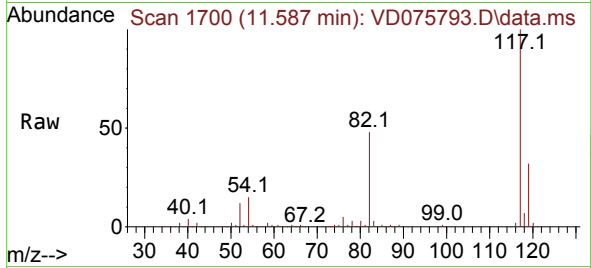




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD075793.D
Acq: 24 Apr 2023 13:59

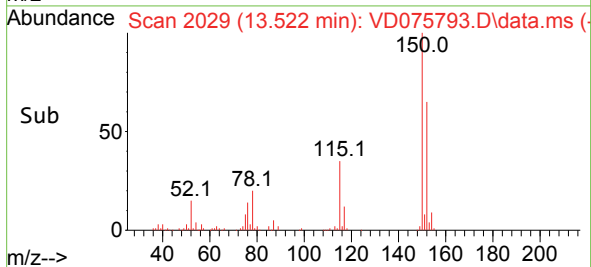
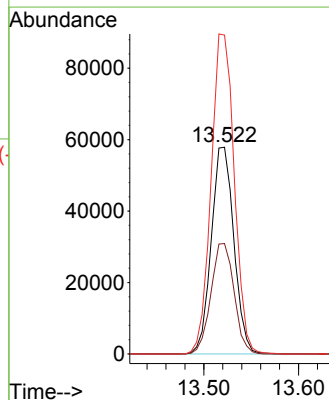
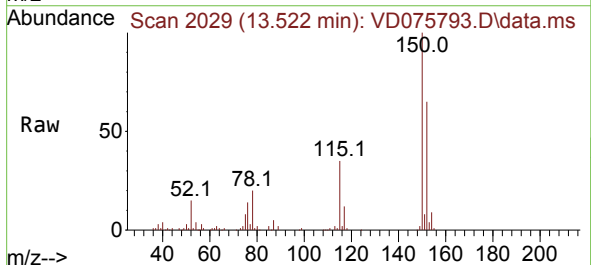
Instrument :
MSVOA_D
ClientSampleId :
4-GRAB

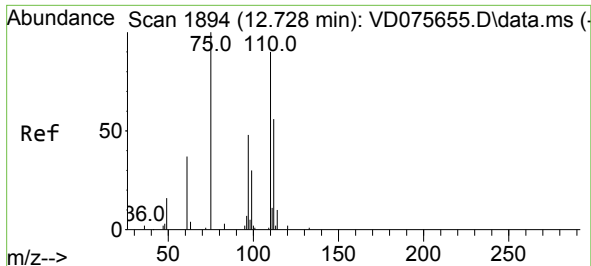
Tgt Ion:117 Resp: 351161
Ion Ratio Lower Upper
117 100
82 48.3 44.0 66.0
119 31.9 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075793.D
Acq: 24 Apr 2023 13:59

Tgt Ion:152 Resp: 96088
Ion Ratio Lower Upper
152 100
115 54.5 30.1 90.3
150 158.2 0.0 364.8

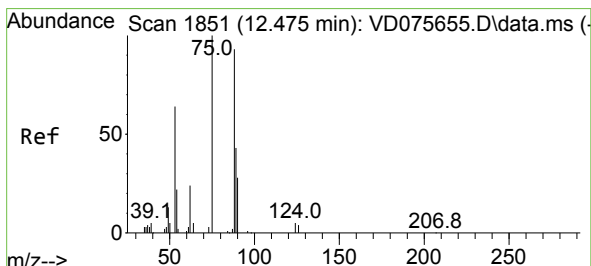
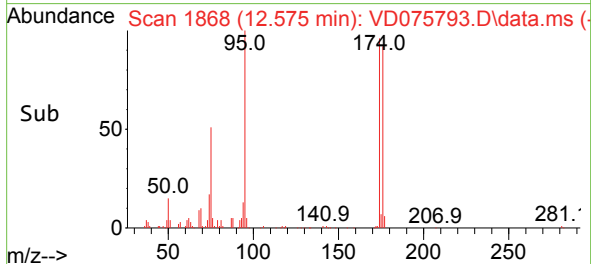
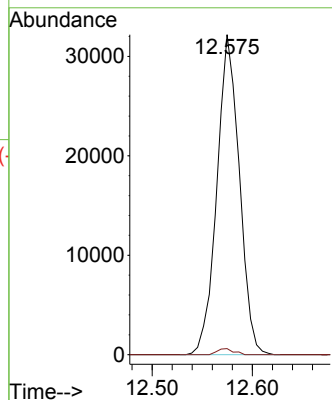
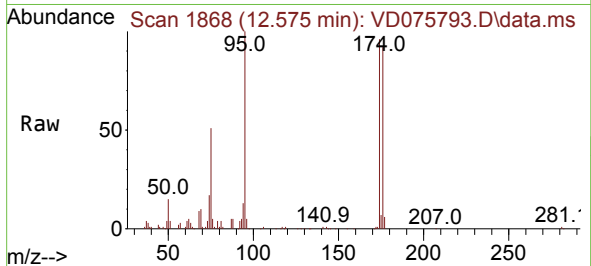




#76
1,2,3-Trichloropropane
Concen: 63.829 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075793.D
Acq: 24 Apr 2023 13:59

Instrument :
MSVOA_D
ClientSampleId :
4-GRAB

Tgt Ion: 75 Resp: 50016
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 138.344 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD075793.D
Acq: 24 Apr 2023 13:59

Tgt Ion: 75 Resp: 50016
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#

