

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041723\
 Data File : VD075709.D
 Acq On : 17 Apr 2023 19:05
 Operator : KP/SY
 Sample : 02270-11
 Misc : 2.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-27-8-10-20230411

Quant Time: Apr 18 01:19:21 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)

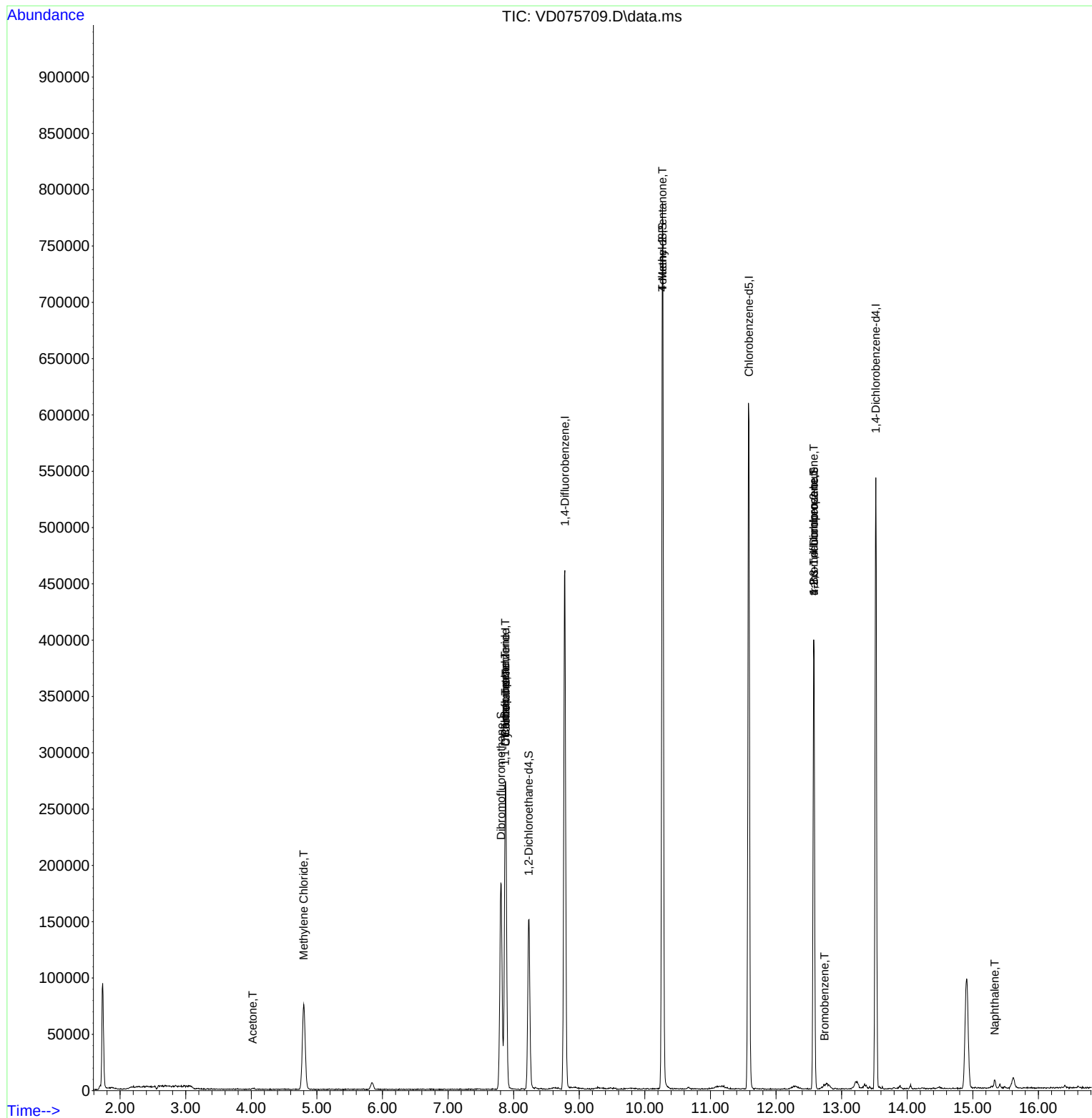
Internal Standards						
1) Pentafluorobenzene	7.875	168	229819	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	447354	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.586	117	393182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	158924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	115799	53.084	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.160%			
35) Dibromofluoromethane	7.810	113	138485	46.025	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.060%			
50) Toluene-d8	10.269	98	585145	48.562	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.120%			
62) 4-Bromofluorobenzene	12.575	95	128144	40.011	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 80.020%			
Target Compounds						
					Qvalue	
16) Acetone	4.022	43	1369	3.426	ug/l #	81
20) Methylene Chloride	4.799	84	70393	20.004	ug/l #	72
31) Cyclohexane	7.881	56	4417	1.290	ug/l #	1
36) 1,1-Dichloropropene	7.869	75	16859	4.061	ug/l #	49
38) Carbon Tetrachloride	7.875	117	21230	5.808	ug/l #	19
51) 4-Methyl-2-Pentanone	10.269	43	1405	1.144	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	64227	49.557	ug/l #	100
77) Bromobenzene	12.739	156	4539	1.688	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	64227	107.411	ug/l #	5
95) Naphthalene	15.333	128	8061	1.526	ug/l	98

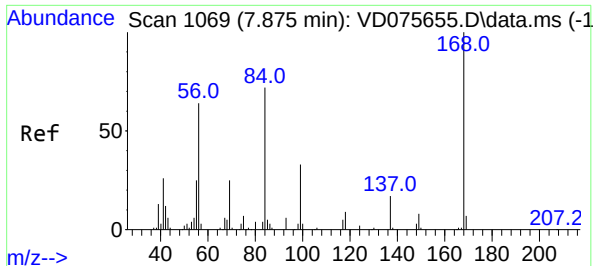
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 18 01:19:21 2023
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Quant Title : SW846 8260
QLast Update : Thu Apr 13 14:16:29 2023
Response via : Initial Calibration

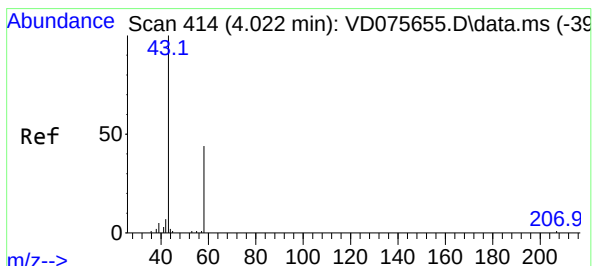
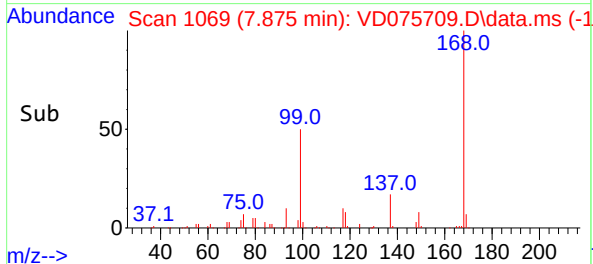
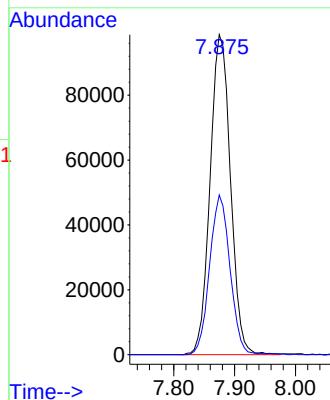
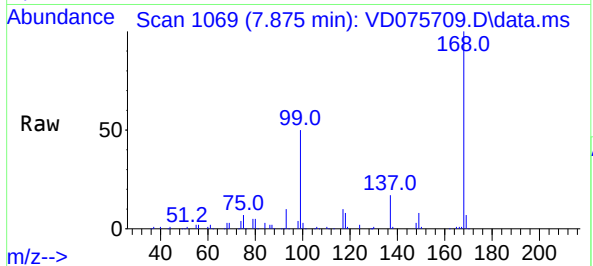




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD075709.D
Acq: 17 Apr 2023 19:05

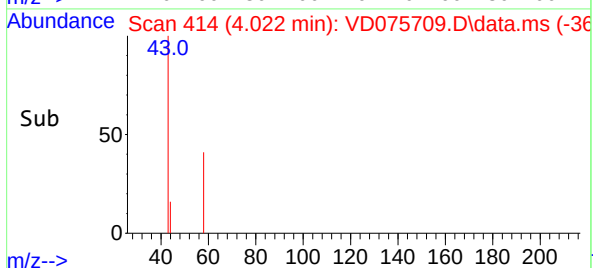
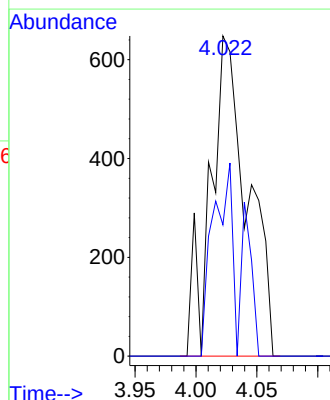
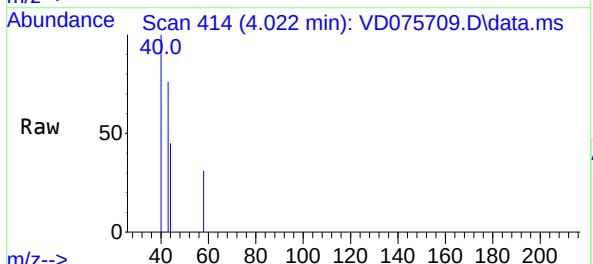
Instrument :
MSVOA_D
ClientSampleId :
SB-27-8-10-20230411

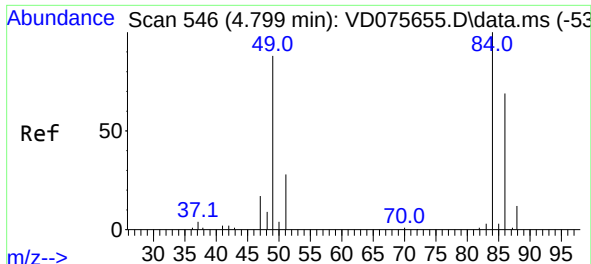
Tgt Ion:168 Resp: 229819
Ion Ratio Lower Upper
168 100
99 49.9 43.8 65.6



#16
Acetone
Concen: 3.426 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD075709.D
Acq: 17 Apr 2023 19:05

Tgt Ion: 43 Resp: 1369
Ion Ratio Lower Upper
43 100
58 41.0 24.4 36.6#



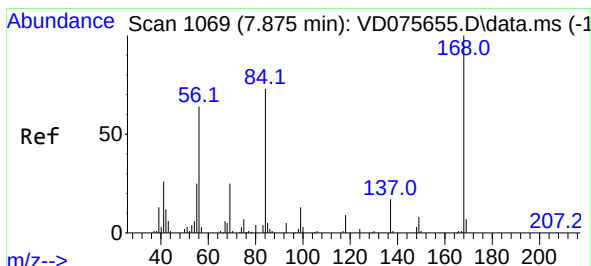
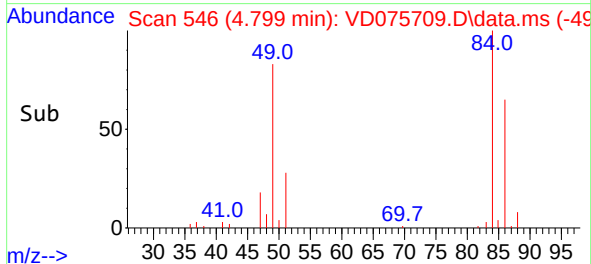
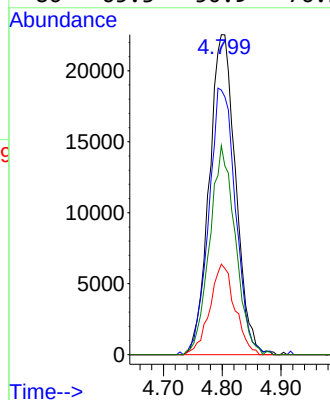
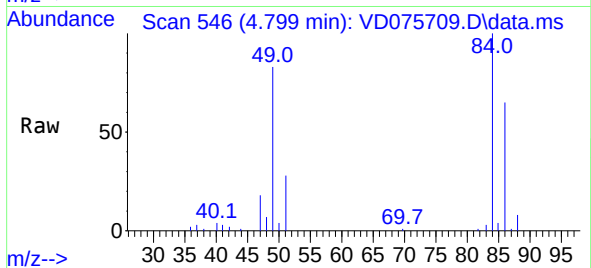


#20
Methylene Chloride
Concen: 20.004 ug/l
RT: 4.799 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD075709.D
Acq: 17 Apr 2023 19:05

Instrument :
MSVOA_D
ClientSampleId :
SB-27-8-10-20230411

Tgt Ion: 84 Resp: 70393

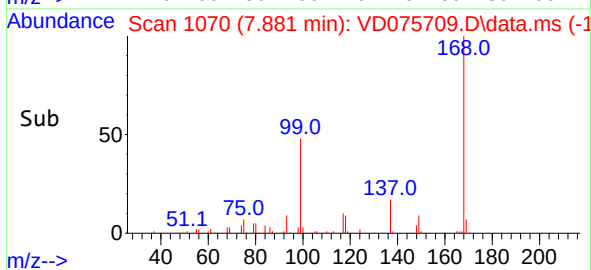
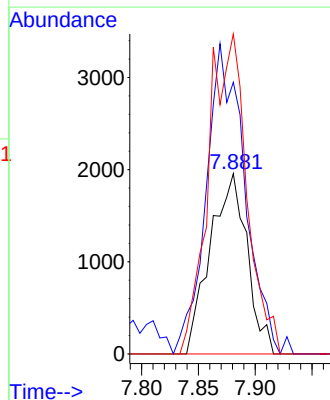
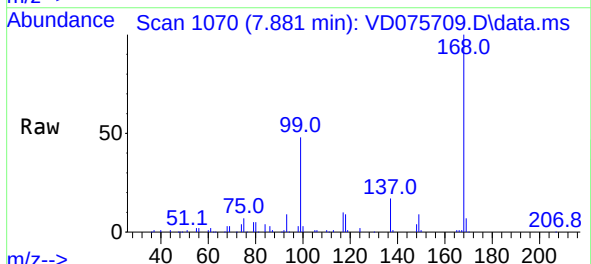
Ion	Ratio	Lower	Upper
84	100		
49	82.7	106.4	159.6#
51	28.3	32.4	48.6#
86	65.3	50.9	76.3

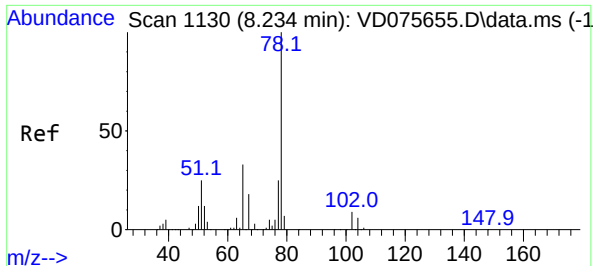


#31
Cyclohexane
Concen: 1.290 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD075709.D
Acq: 17 Apr 2023 19:05

Tgt Ion: 56 Resp: 4417

Ion	Ratio	Lower	Upper
56	100		
69	150.7	25.5	38.3#
84	177.5	69.6	104.4#





#33

1,2-Dichloroethane-d4

Concen: 53.084 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075709.D

Acq: 17 Apr 2023 19:05

Instrument :

MSVOA_D

ClientSampleId :

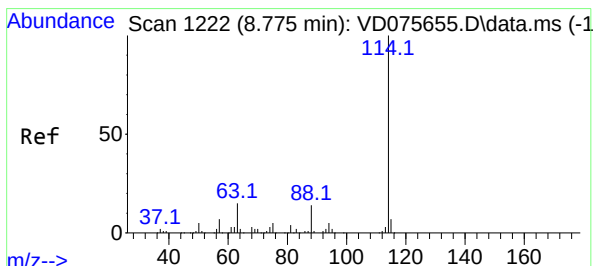
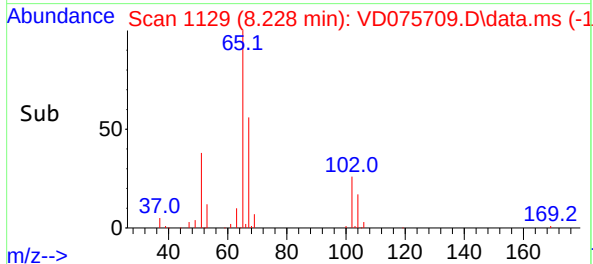
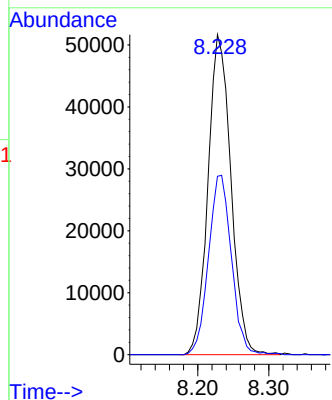
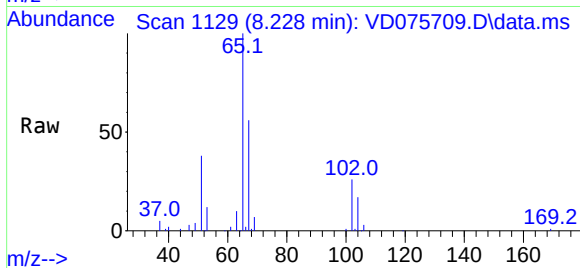
SB-27-8-10-20230411

Tgt Ion: 65 Resp: 115799

Ion Ratio Lower Upper

65 100

67 56.1 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: VD075709.D

Acq: 17 Apr 2023 19:05

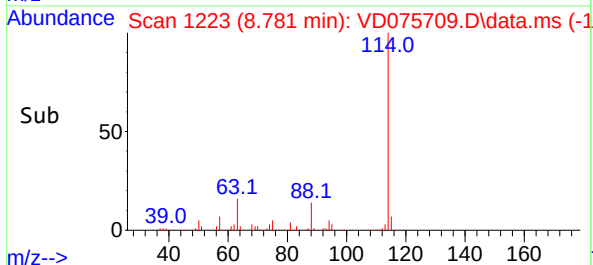
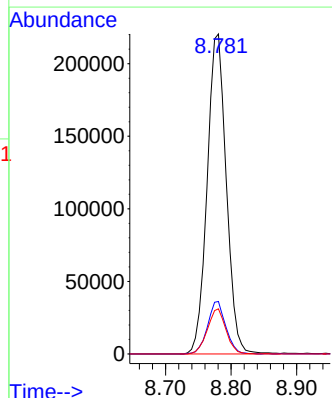
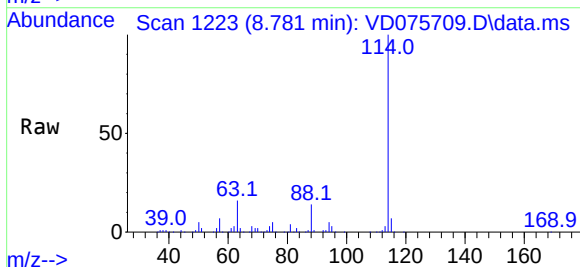
Tgt Ion: 114 Resp: 447354

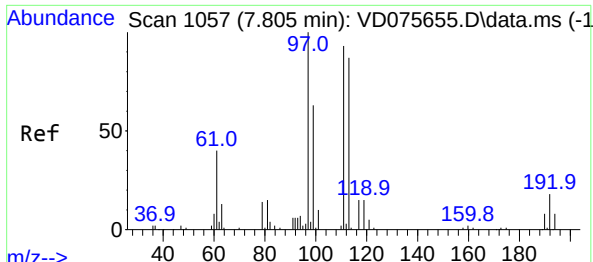
Ion Ratio Lower Upper

114 100

63 16.4 0.0 41.6

88 14.1 0.0 30.6

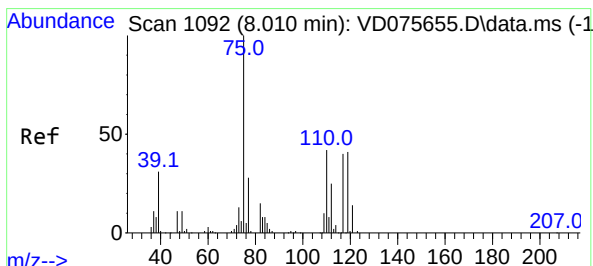
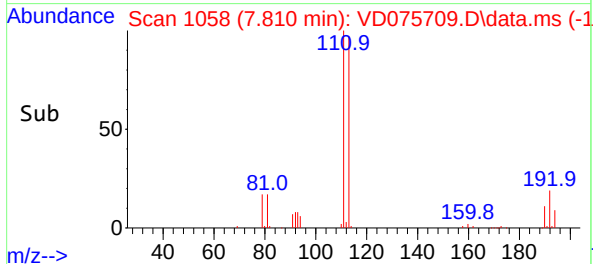
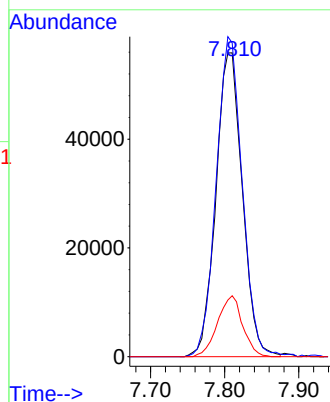
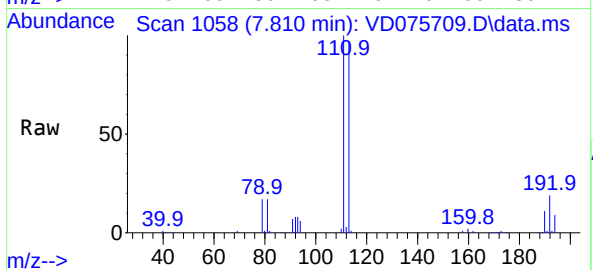




#35
Dibromofluoromethane
Concen: 46.025 ug/l
RT: 7.810 min Scan# 1057
Delta R.T. 0.005 min
Lab File: VD075709.D
Acq: 17 Apr 2023 19:05

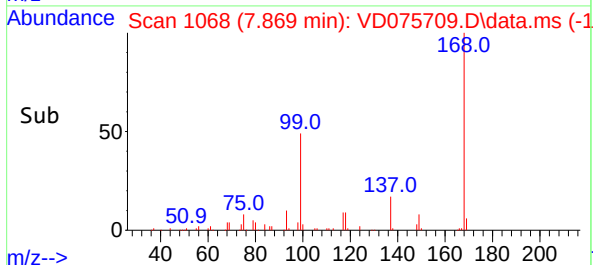
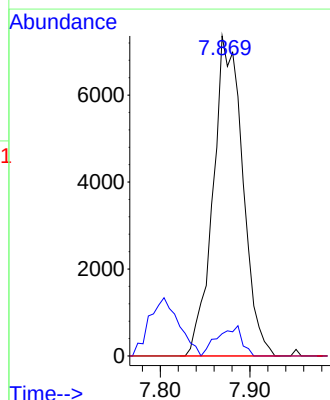
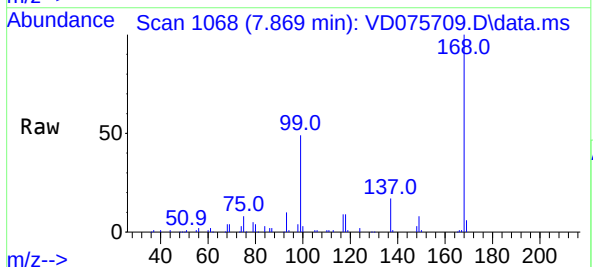
Instrument :
MSVOA_D
ClientSampleId :
SB-27-8-10-20230411

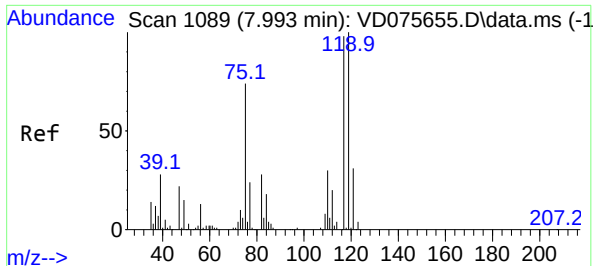
Tgt Ion: 113 Resp: 138485
Ion Ratio Lower Upper
113 100
111 103.8 81.4 122.0
192 19.0 15.2 22.8



#36
1,1-Dichloropropene
Concen: 4.061 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VD075709.D
Acq: 17 Apr 2023 19:05

Tgt Ion: 75 Resp: 16859
Ion Ratio Lower Upper
75 100
110 7.7 17.1 51.2#
77 0.0 24.6 36.8#

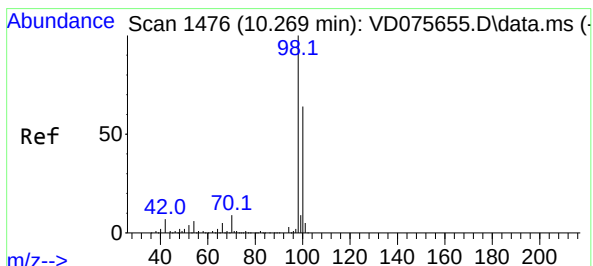
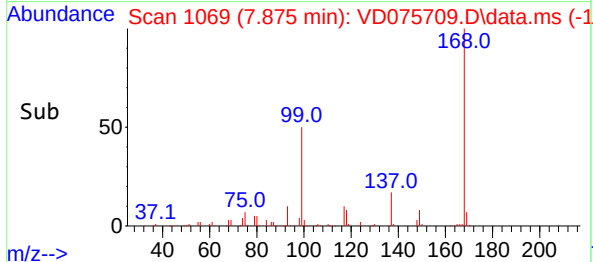
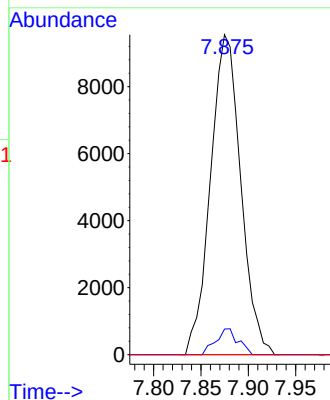
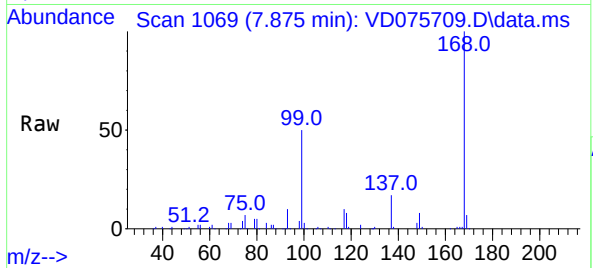




#38
Carbon Tetrachloride
Concen: 5.808 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD075709.D
Acq: 17 Apr 2023 19:05

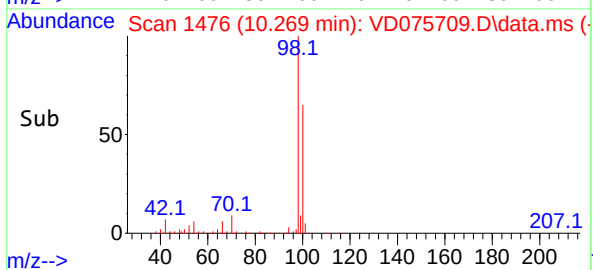
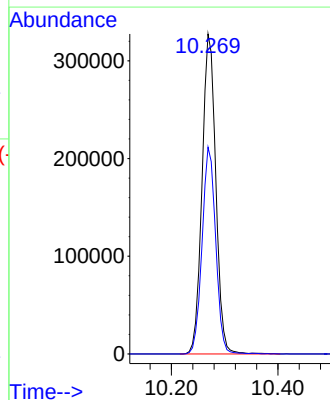
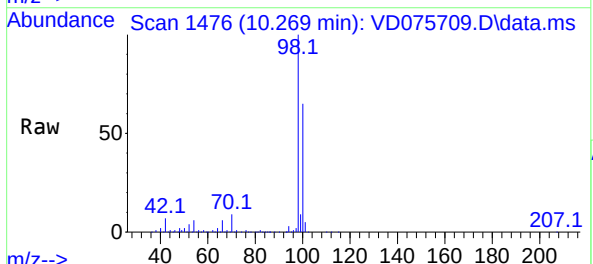
Instrument :
MSVOA_D
ClientSampleId :
SB-27-8-10-20230411

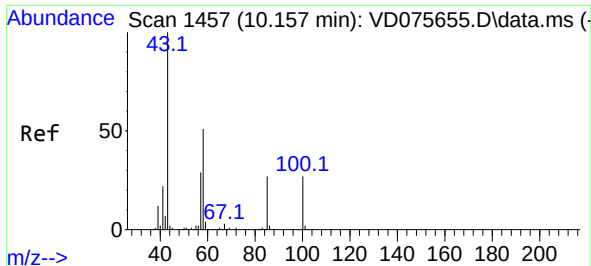
Tgt Ion:117 Resp: 21230
Ion Ratio Lower Upper
117 100
119 8.0 74.7 112.1#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 48.562 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075709.D
Acq: 17 Apr 2023 19:05

Tgt Ion: 98 Resp: 585145
Ion Ratio Lower Upper
98 100
100 64.0 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 1.144 ug/l

RT: 10.269 min Scan# 1457

Delta R.T. 0.112 min

Lab File: VD075709.D

Acq: 17 Apr 2023 19:05

Instrument :

MSVOA_D

ClientSampleId :

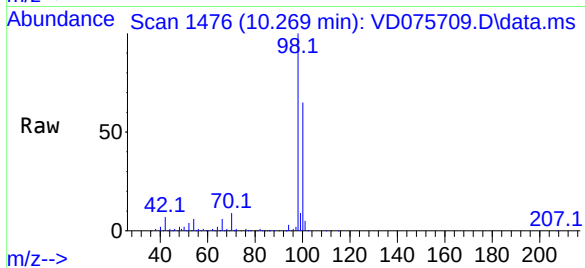
SB-27-8-10-20230411

Tgt Ion: 43 Resp: 1405

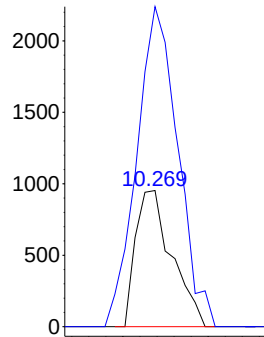
Ion Ratio Lower Upper

43 100

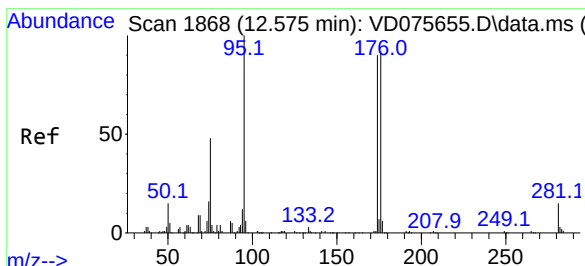
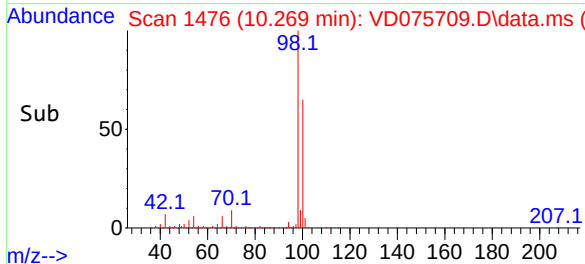
58 267.4 29.5 44.3#



Abundance



Time-->



#62

4-Bromofluorobenzene

Concen: 40.011 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD075709.D

Acq: 17 Apr 2023 19:05

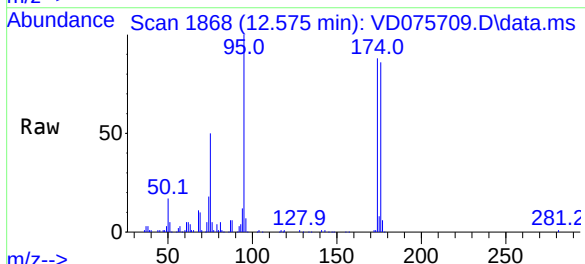
Tgt Ion: 95 Resp: 128144

Ion Ratio Lower Upper

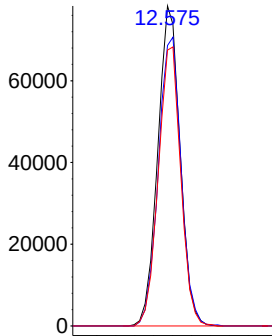
95 100

174 92.1 0.0 164.0

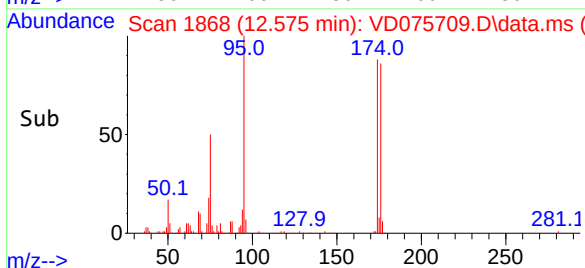
176 87.6 0.0 156.8

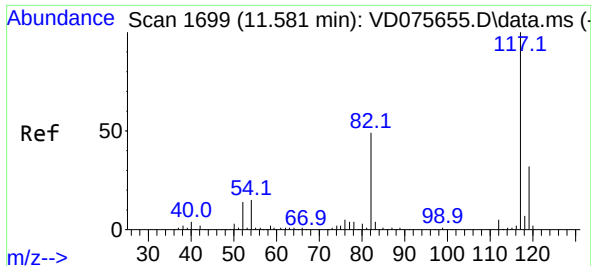


Abundance



Time-->

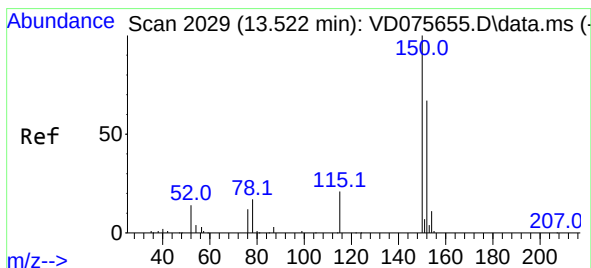
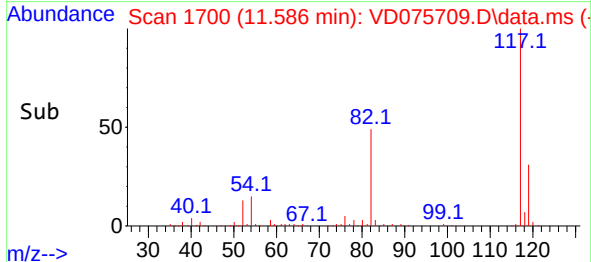
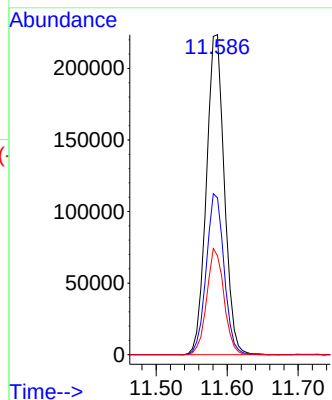
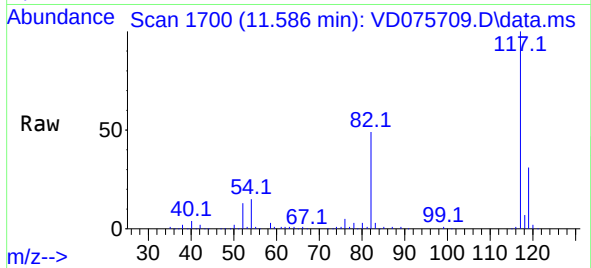




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.586 min Scan# 117
Delta R.T. 0.005 min
Lab File: VD075709.D
Acq: 17 Apr 2023 19:05

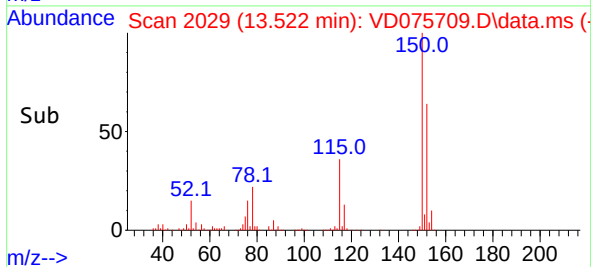
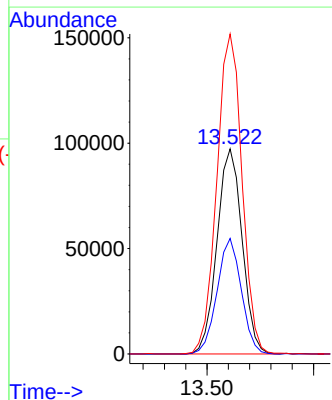
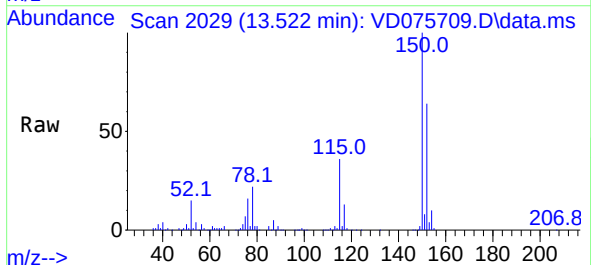
Instrument :
MSVOA_D
ClientSampleId :
SB-27-8-10-20230411

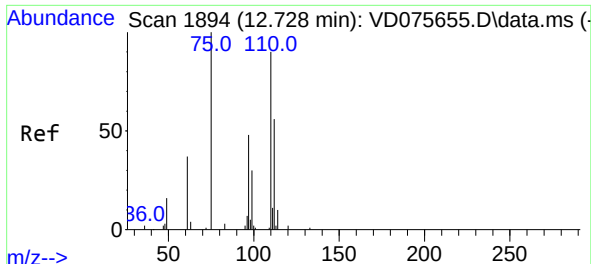
Tgt Ion:117 Resp: 393182
Ion Ratio Lower Upper
117 100
82 49.0 44.0 66.0
119 31.0 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075709.D
Acq: 17 Apr 2023 19:05

Tgt Ion:152 Resp: 158924
Ion Ratio Lower Upper
152 100
115 54.4 30.1 90.3
150 156.9 0.0 364.8

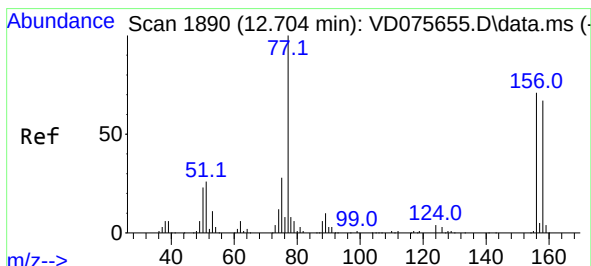
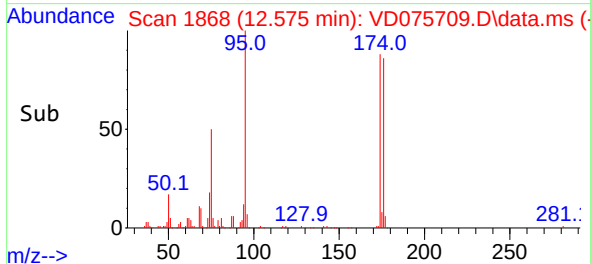
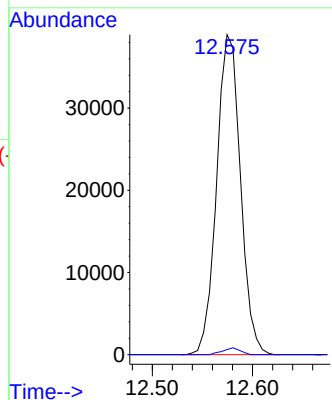
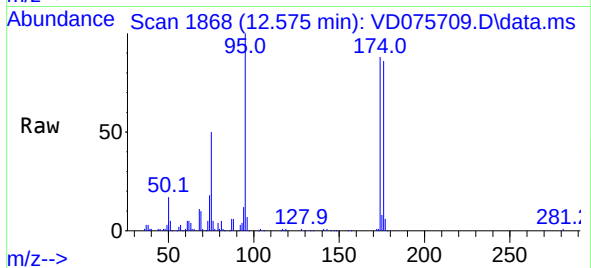




#76
1,2,3-Trichloropropane
Concen: 49.557 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075709.D
Acq: 17 Apr 2023 19:05

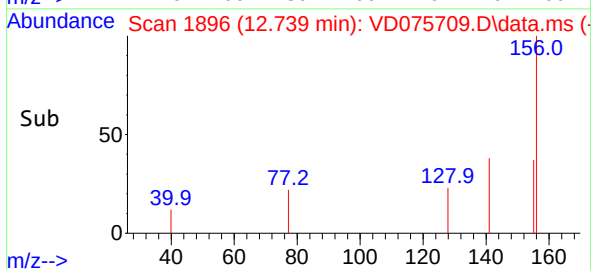
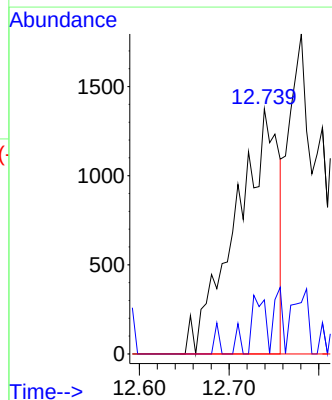
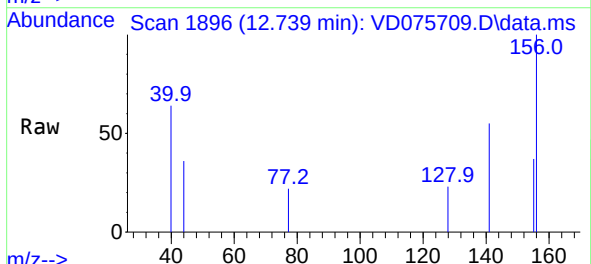
Instrument :
MSVOA_D
ClientSampleId :
SB-27-8-10-20230411

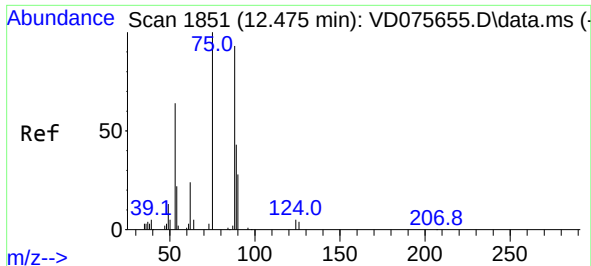
Tgt Ion: 75 Resp: 64227
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#77
Bromobenzene
Concen: 1.688 ug/l
RT: 12.739 min Scan# 1896
Delta R.T. 0.035 min
Lab File: VD075709.D
Acq: 17 Apr 2023 19:05

Tgt Ion: 156 Resp: 4539
Ion Ratio Lower Upper
156 100
77 7.0 89.5 268.6#
158 0.0 47.8 143.4#

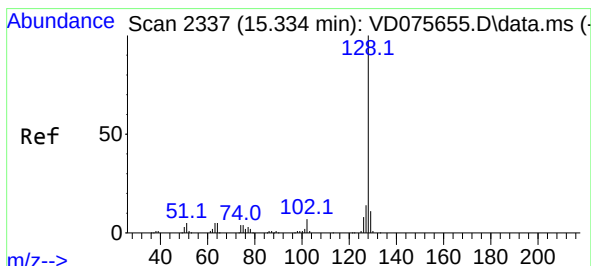
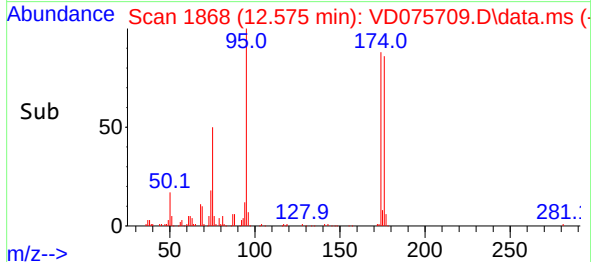
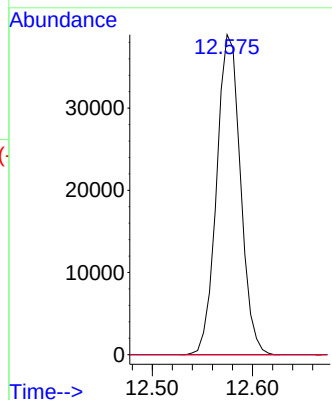
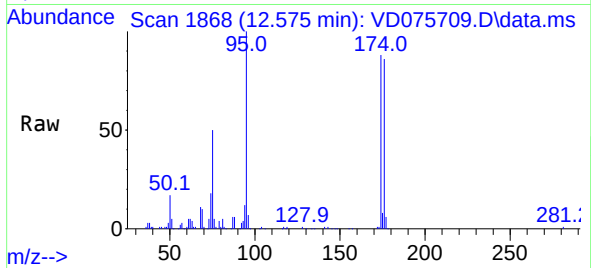




#81
trans-1,4-Dichloro-2-butene
Concen: 107.411 ug/l
RT: 12.575 min Scan# 1851
Delta R.T. 0.100 min
Lab File: VD075709.D
Acq: 17 Apr 2023 19:05

Instrument :
MSVOA_D
ClientSampleId :
SB-27-8-10-20230411

Tgt Ion: 75 Resp: 64227
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#



#95
Naphthalene
Concen: 1.526 ug/l
RT: 15.333 min Scan# 2337
Delta R.T. -0.001 min
Lab File: VD075709.D
Acq: 17 Apr 2023 19:05

Tgt Ion:128 Resp: 8061
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 9.6 8.8 13.2

