

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072723\
 Data File : VD076838.D
 Acq On : 27 Jul 2023 17:08
 Operator : KP/SY
 Sample : 03773-01
 Misc : 5.03G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 28 02:59:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

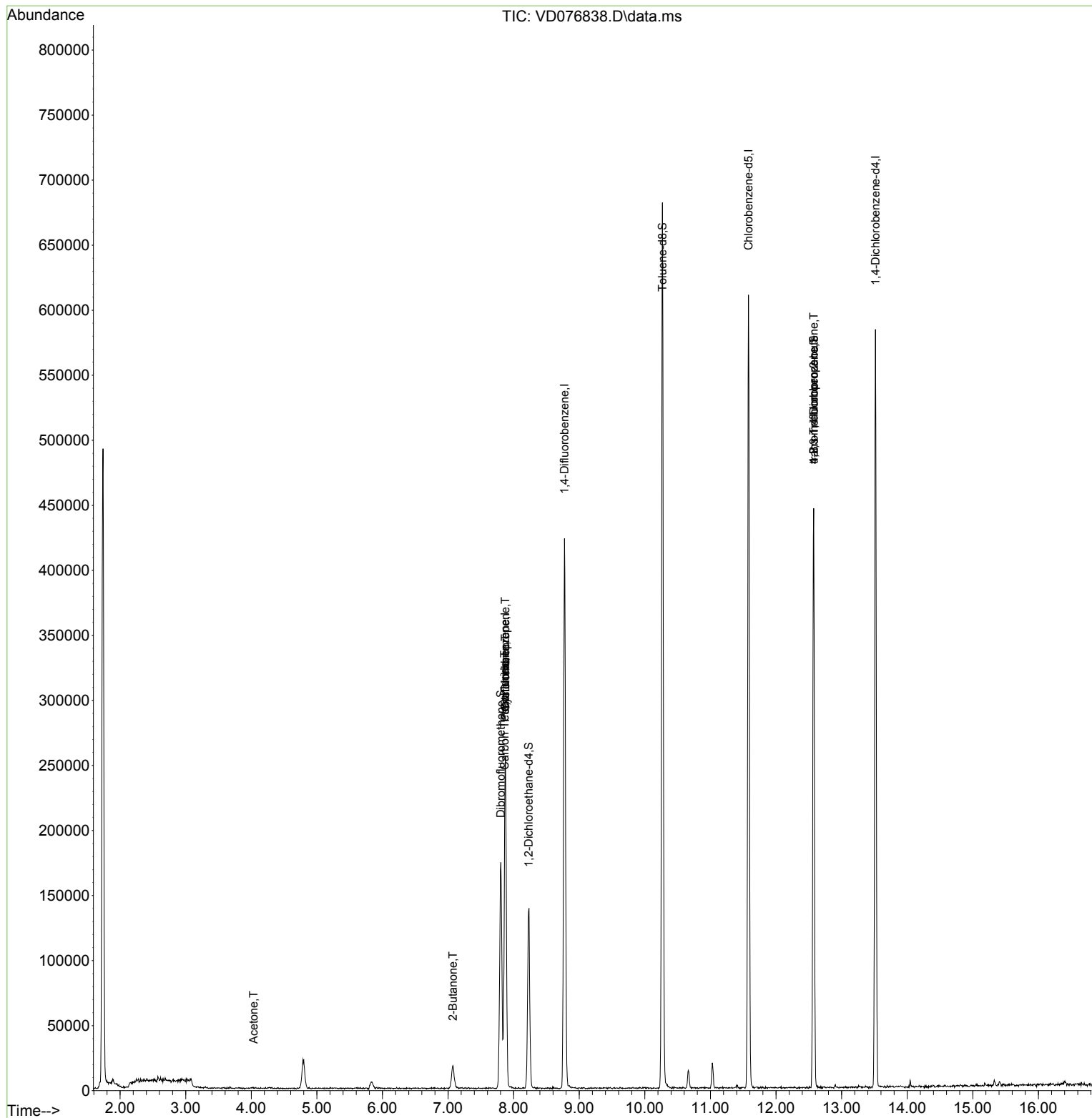
Internal Standards						
1) Pentafluorobenzene	7.869	168	197826	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	392560	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	362815	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	157138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	105226	53.403	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.800%	
35) Dibromofluoromethane	7.804	113	128830	52.224	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.440%	
50) Toluene-d8	10.269	98	479910	54.381	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.760%	
62) 4-Bromofluorobenzene	12.575	95	138396	48.477	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.960%	
Target Compounds						
					Qvalue	
16) Acetone	4.034	43	836	1.777	ug/l	# 32
20) Methylene Chloride	4.793	84	16738	Below Cal		93
25) 2-Butanone	7.075	43	645	1.024	ug/l	# 37
31) Cyclohexane	7.875	56	4149	1.431	ug/l	# 28
36) 1,1-Dichloropropene	7.875	75	15323	4.753	ug/l	# 49
38) Carbon Tetrachloride	7.863	117	19418	6.291	ug/l	# 14
76) 1,2,3-Trichloropropane	12.575	75	72090	48.241	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	72090	102.670	ug/l	# 17

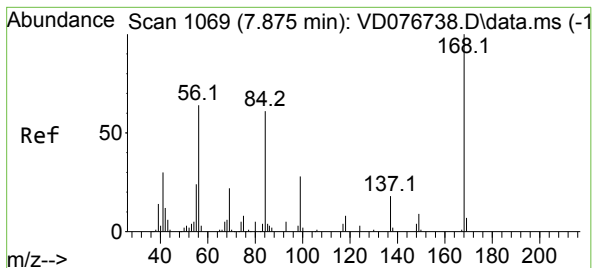
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jul 17 08:07:52 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.869 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD076838.D

Acq: 27 Jul 2023 17:08

Instrument :

MSVOA_D

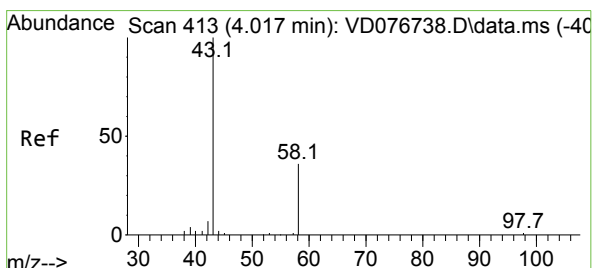
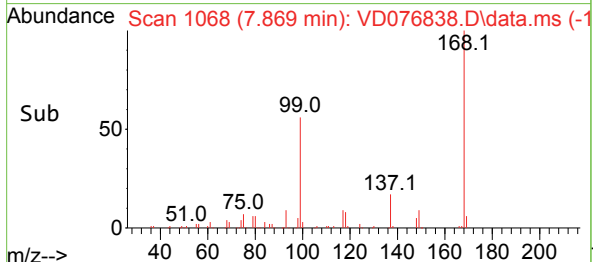
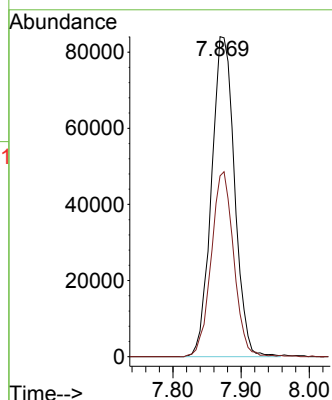
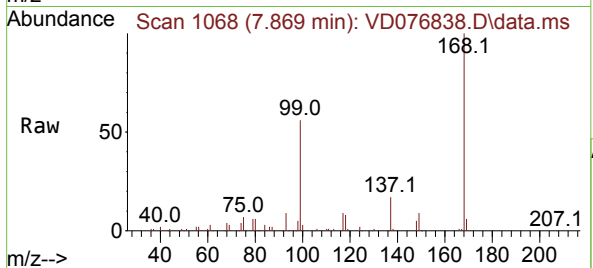
ClientSampleId :

Tgt Ion:168 Resp: 197826

Ion Ratio Lower Upper

168 100

99 56.5 36.7 55.1#



#16

Acetone

Concen: 1.777 ug/l

RT: 4.034 min Scan# 416

Delta R.T. 0.017 min

Lab File: VD076838.D

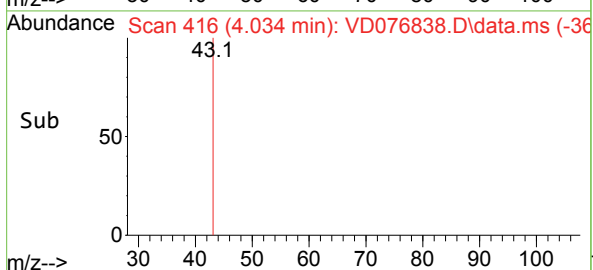
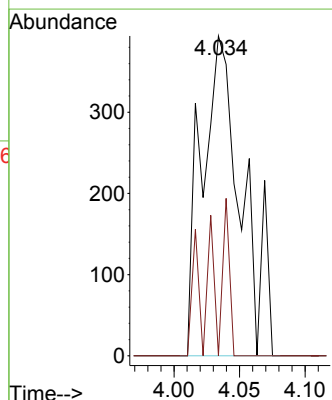
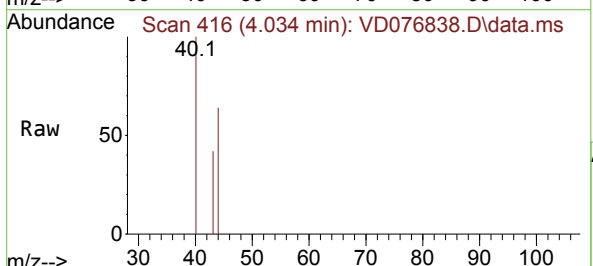
Acq: 27 Jul 2023 17:08

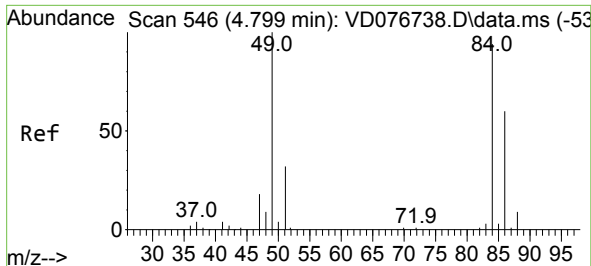
Tgt Ion: 43 Resp: 836

Ion Ratio Lower Upper

43 100

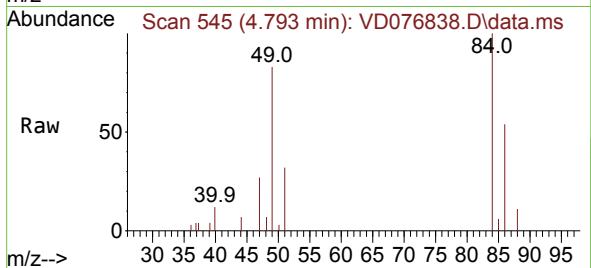
58 0.0 34.7 52.1#



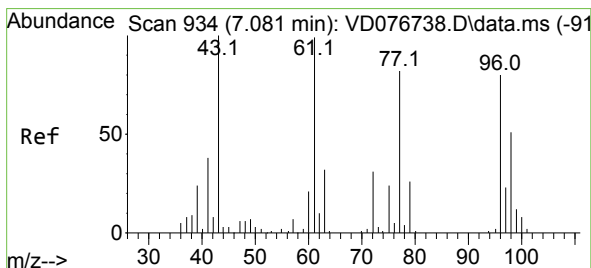
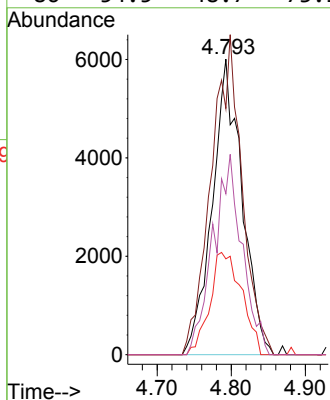


#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD076838.D
Acq: 27 Jul 2023 17:08

Instrument :
MSVOA_D
ClientSampleId :

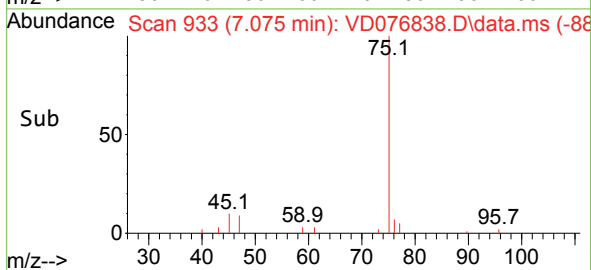
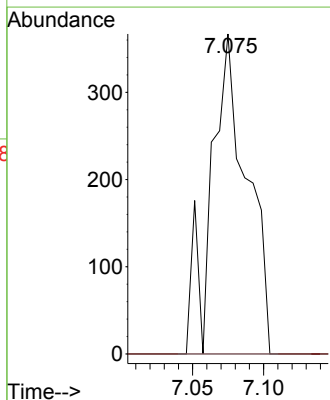
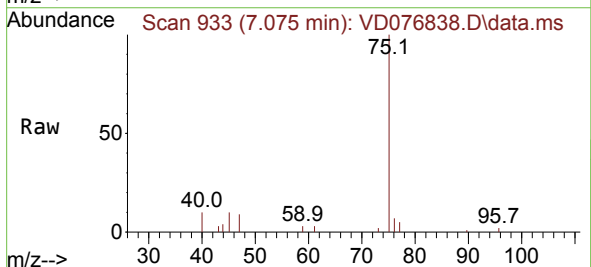


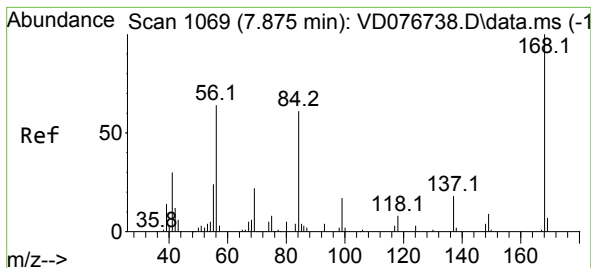
Tgt Ion:	84	Resp:	16738
Ion	Ratio	Lower	Upper
84	100		
49	83.3	71.4	107.2
51	32.4	24.5	36.7
86	54.5	48.7	73.1



#25
2-Butanone
Concen: 1.024 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD076838.D
Acq: 27 Jul 2023 17:08

Tgt Ion:	43	Resp:	645
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#





#31

Cyclohexane

Concen: 1.431 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

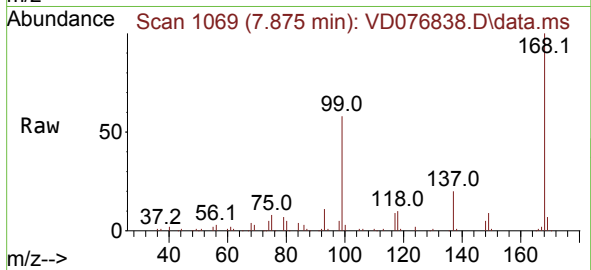
Lab File: VD076838.D

Acq: 27 Jul 2023 17:08

Instrument :

MSVOA_D

ClientSampleId :



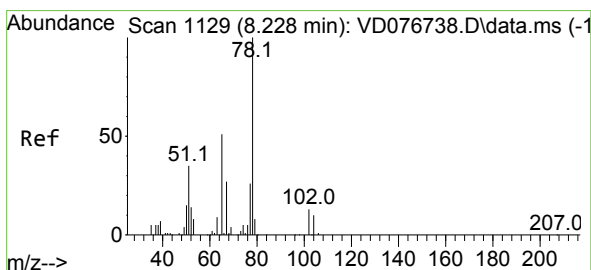
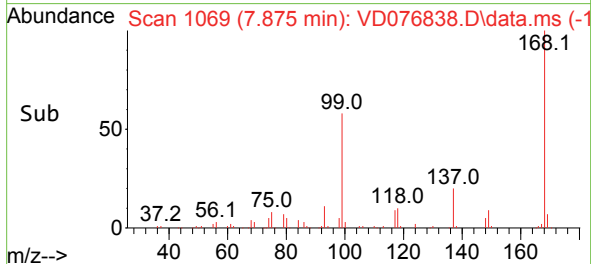
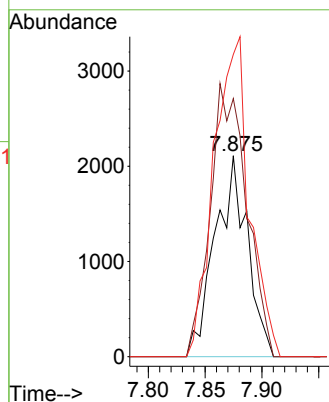
Tgt Ion: 56 Resp: 4149

Ion Ratio Lower Upper

56 100

69 128.4 28.6 43.0#

84 150.4 84.8 127.2#



#33

1,2-Dichloroethane-d4

Concen: 53.403 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076838.D

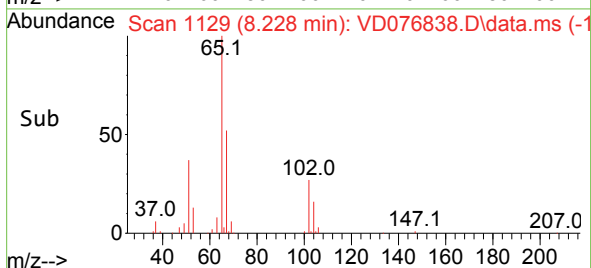
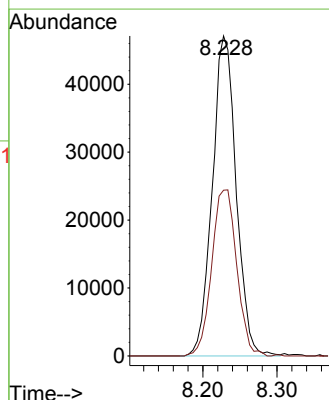
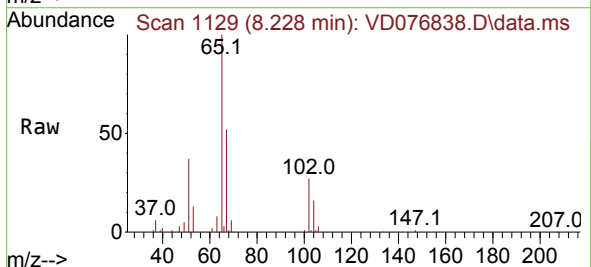
Acq: 27 Jul 2023 17:08

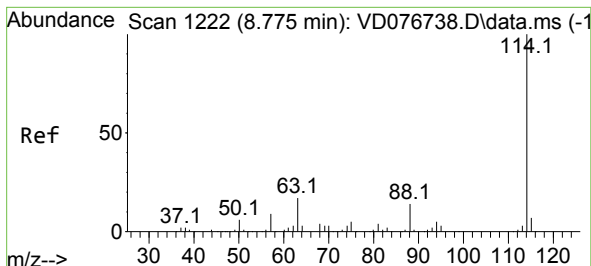
Tgt Ion: 65 Resp: 105226

Ion Ratio Lower Upper

65 100

67 54.5 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076838.D

Acq: 27 Jul 2023 17:08

Instrument :

MSVOA_D

ClientSampleId :

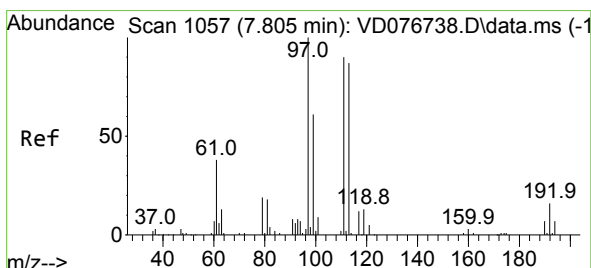
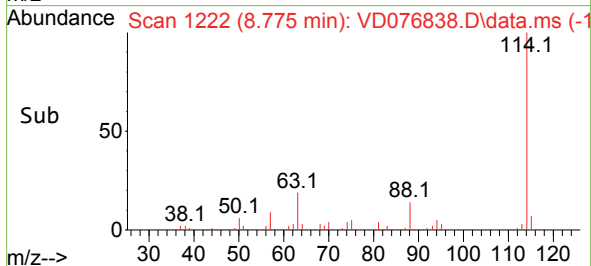
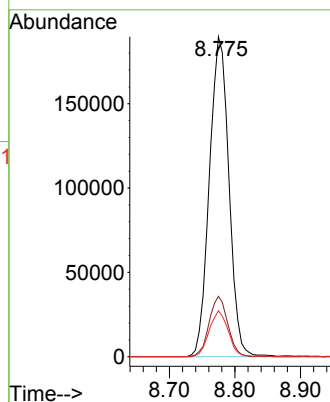
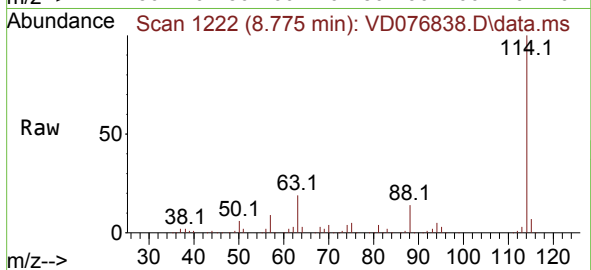
Tgt Ion:114 Resp: 392560

Ion Ratio Lower Upper

114 100

63 18.8 0.0 33.4

88 14.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 52.224 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076838.D

Acq: 27 Jul 2023 17:08

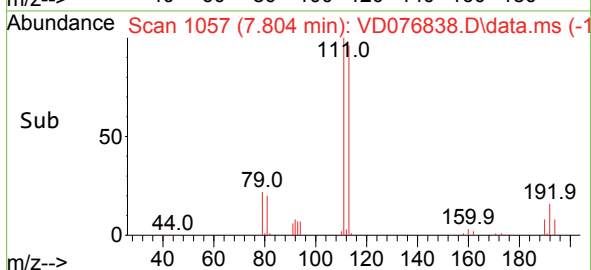
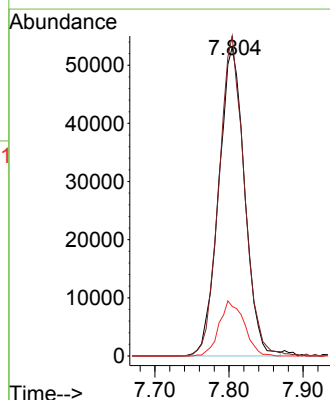
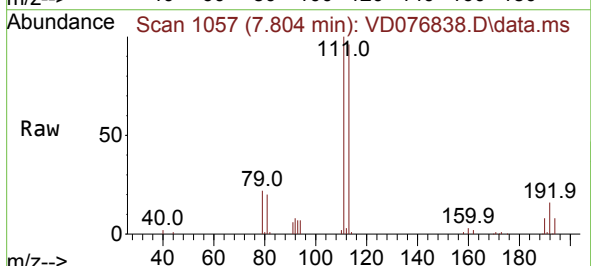
Tgt Ion:113 Resp: 128830

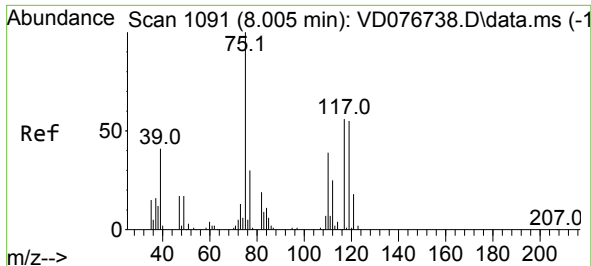
Ion Ratio Lower Upper

113 100

111 101.2 84.7 127.1

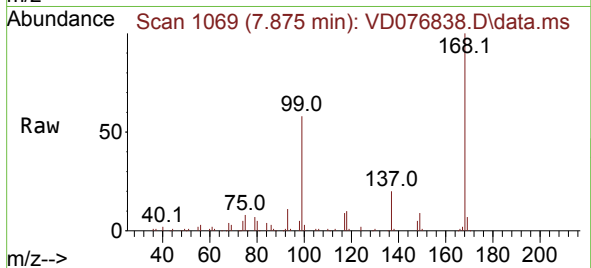
192 17.2 16.8 25.2



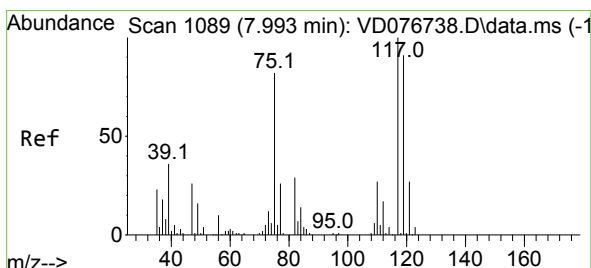
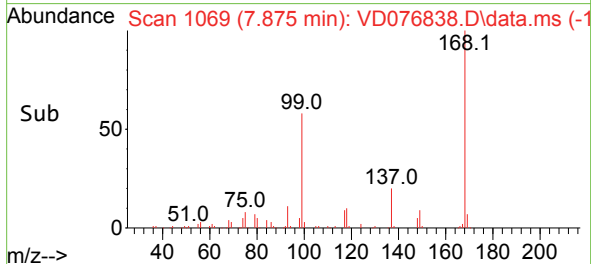
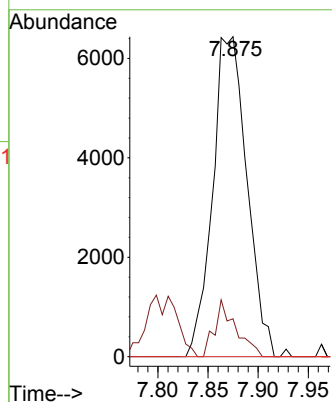


#36
1,1-Dichloropropene
Concen: 4.753 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.130 min
Lab File: VD076838.D
Acq: 27 Jul 2023 17:08

Instrument :
MSVOA_D
ClientSampleId :

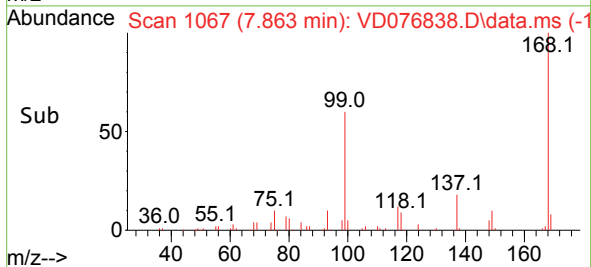
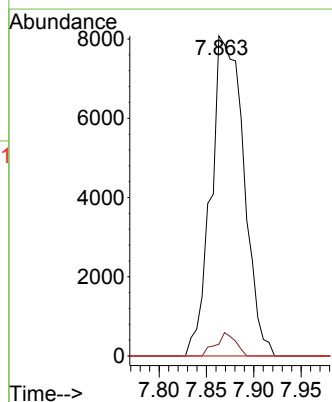
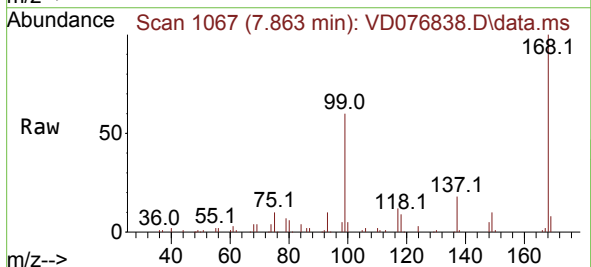


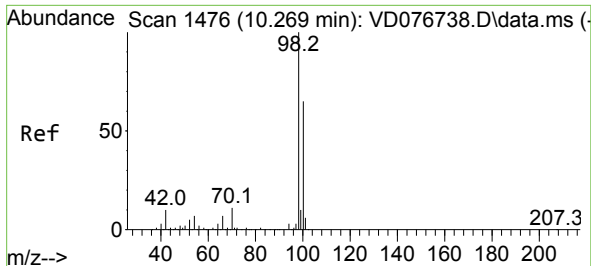
Tgt Ion: 75 Resp: 15323
Ion Ratio Lower Upper
75 100
110 11.0 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.291 ug/l
RT: 7.863 min Scan# 1067
Delta R.T. -0.130 min
Lab File: VD076838.D
Acq: 27 Jul 2023 17:08

Tgt Ion: 117 Resp: 19418
Ion Ratio Lower Upper
117 100
119 3.7 78.0 117.0#
121 0.0 24.2 36.2#

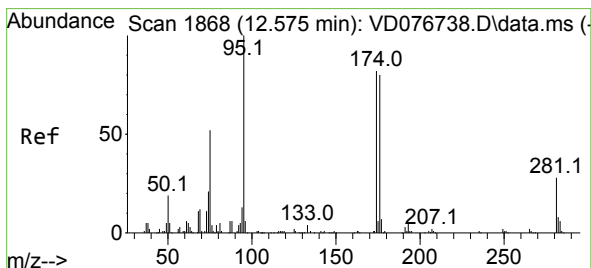
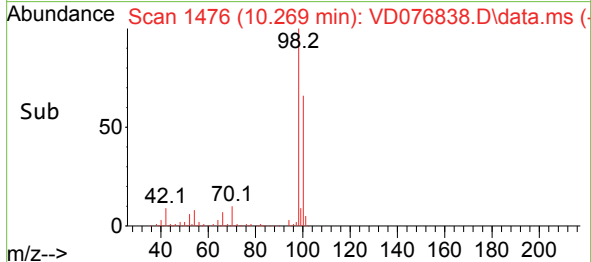
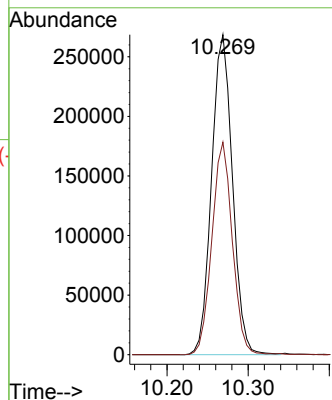
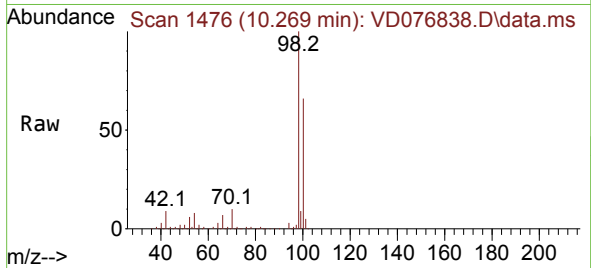




#50
Toluene-d8
Concen: 54.381 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076838.D
Acq: 27 Jul 2023 17:08

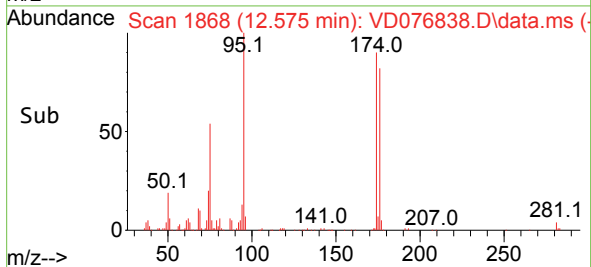
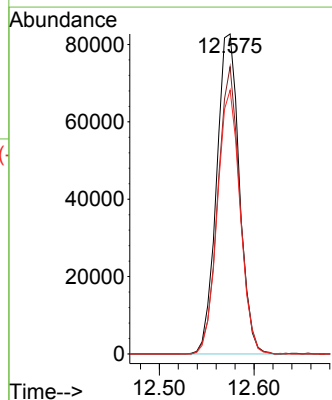
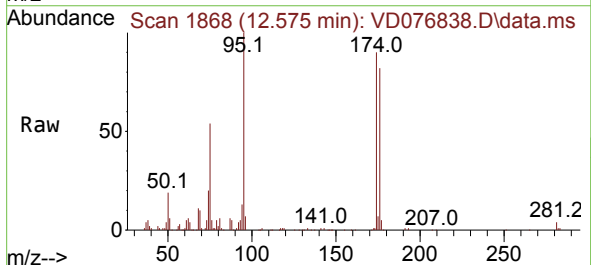
Instrument :
MSVOA_D
ClientSampleId :

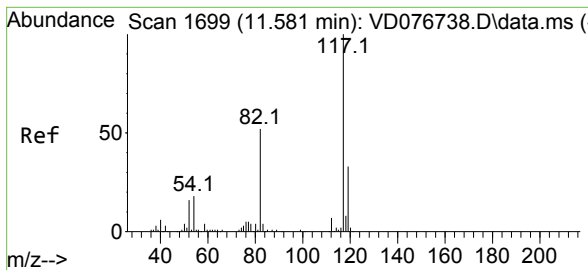
Tgt Ion: 98 Resp: 479910
Ion Ratio Lower Upper
98 100
100 65.2 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 48.477 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076838.D
Acq: 27 Jul 2023 17:08

Tgt Ion: 95 Resp: 138396
Ion Ratio Lower Upper
95 100
174 86.4 0.0 201.8
176 82.1 0.0 191.8

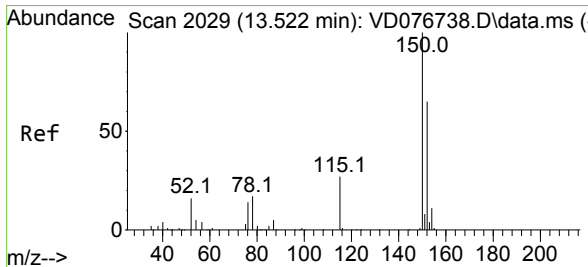
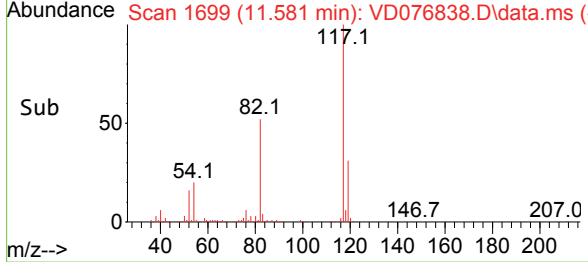
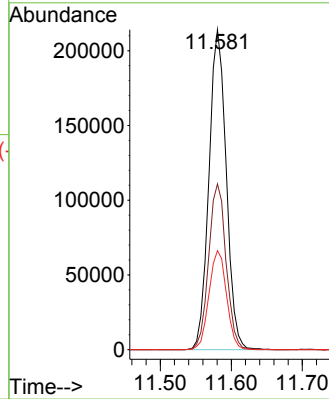
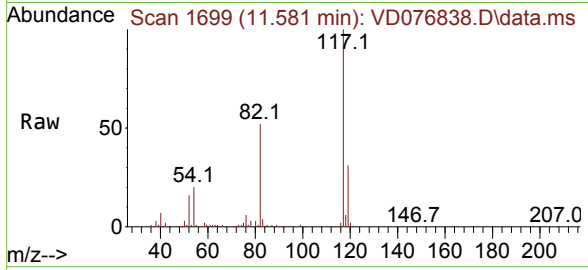




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076838.D
Acq: 27 Jul 2023 17:08

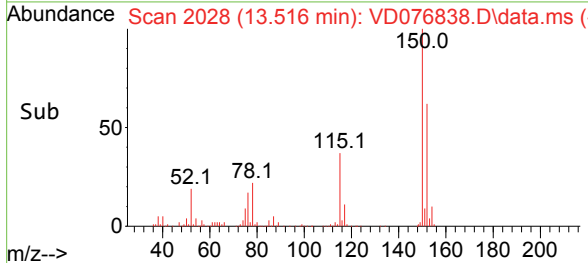
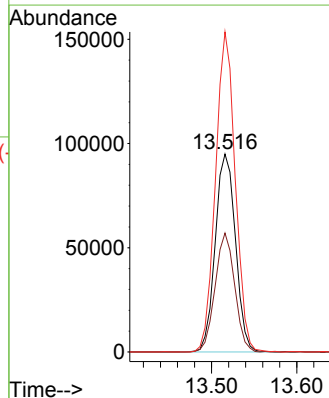
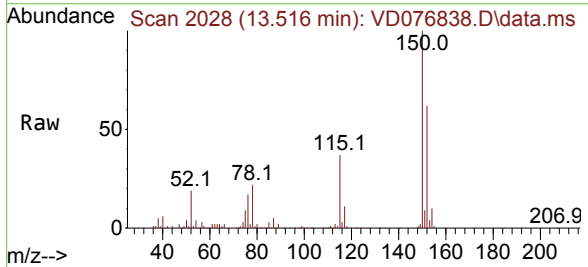
Instrument :
MSVOA_D
ClientSampleId :

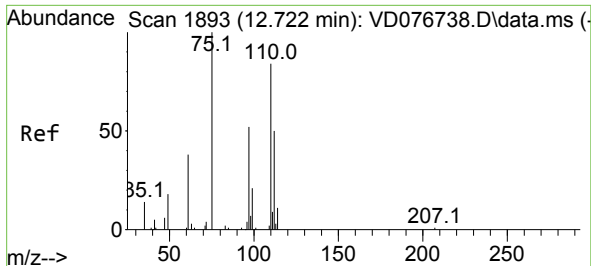
Tgt Ion:117 Resp: 362815
Ion Ratio Lower Upper
117 100
82 51.8 38.3 57.5
119 30.9 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076838.D
Acq: 27 Jul 2023 17:08

Tgt Ion:152 Resp: 157138
Ion Ratio Lower Upper
152 100
115 58.2 27.1 81.3
150 157.4 0.0 353.6

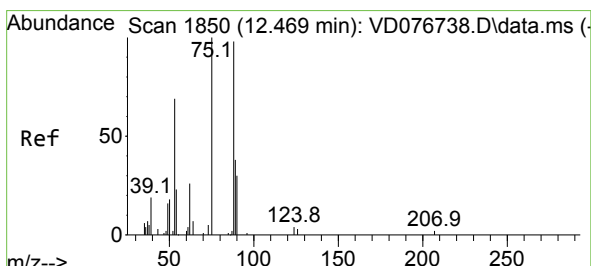
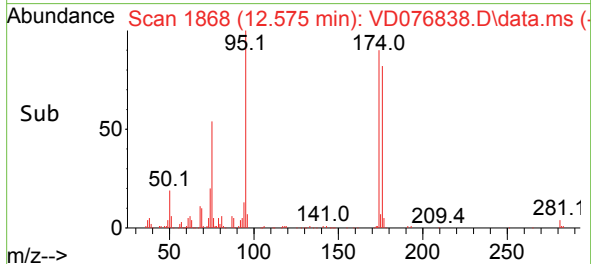
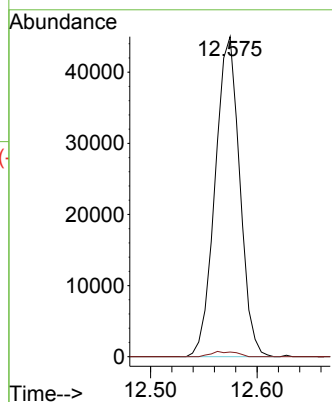
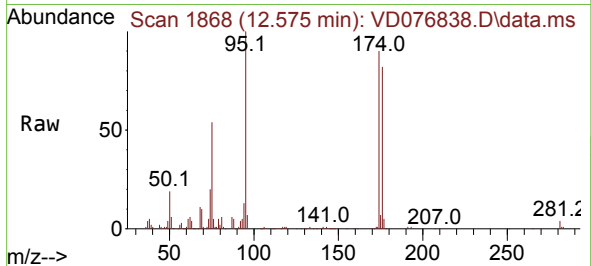




#76
1,2,3-Trichloropropane
Concen: 48.241 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076838.D
Acq: 27 Jul 2023 17:08

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 72090
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.670 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076838.D
Acq: 27 Jul 2023 17:08

Tgt Ion: 75 Resp: 72090
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.1 37.9 56.9#

