

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
 Data File : VD076698.D
 Acq On : 03 Jul 2023 17:48
 Operator : KP/SY
 Sample : 03444-17
 Misc : 4.13G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A46X8RE

Quant Time: Jul 04 01:11:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 16 01:50:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	371366	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	278669	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	95315	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	26116	2.888	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	11.560%#
7) Chloroethane-d5	2.793	69	32540	4.450	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	17.800%#
11) 1,1-Dichloroethene-d2	3.905	65	9449	4.003	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	16.000%#
21) 2-Butanone-d5	6.987	46	51459	37.570	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.140%
24) Chloroform-d	7.563	84	83414	8.526	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	34.120%#
26) 1,2-Dichloroethane-d4	8.222	65	47614	9.865	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	39.440%#
32) Benzene-d6	8.199	84	117839	6.913	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	27.640%
36) 1,2-Dichloropropane-d6	9.204	67	49670	9.128	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	36.520%#
41) Toluene-d8	10.269	98	92300	5.848	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	23.400%#
43) trans-1,3-Dichloroprop...	10.522	79	21219	9.376	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	37.520%
47) 2-Hexanone-d5	10.875	63	35114	41.573	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.140%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	60269	15.569	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	62.280%
66) 1,2-Dichlorobenzene-d4	13.816	152	33060	9.463	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	37.840%#
Target Compounds						Qvalue
8) Chloroethane	2.828	64	4472	0.703	ug/L #	81
13) Acetone	4.017	43	54903	49.629	ug/L	99
14) Carbon disulfide	4.264	76	8870	0.508	ug/L #	77
16) Methylene chloride	4.793	84	6517	1.010	ug/L	82
22) 2-Butanone	7.081	43	25587	14.332	ug/L	86
29) Cyclohexane	7.875	56	2061	0.278	ug/L #	79
35) Methylcyclohexane	9.269	83	13075	1.711	ug/L #	92
37) 1,2-Dichloropropane	9.204	63	6706	1.334	ug/L #	95
42) Toluene	10.334	91	15586	0.791	ug/L	94
48) 2-Hexanone	10.887	43	11696	5.459	ug/L #	35
54) o-Xylene	12.116	106	2435	0.306	ug/L	62
60) Isopropylbenzene	12.422	105	5416	0.371	ug/L #	87
61) 1,2,3-Trichloropropane	13.516	75	11762	6.359	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	9917	0.862	ug/L	99
67) 1,2-Dichlorobenzene	13.828	146	9630	1.667	ug/L #	1
68) 1,2-Dibromo-3-chloropr...	14.345	75	1281	3.107	ug/L #	1
71) Naphthalene	15.304	128	10030	1.361	ug/L #	1
72) 1,2,3-Trichlorobenzene	15.492	180	12730	3.808	ug/L #	1

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
Data File : VD076698.D
Acq On : 03 Jul 2023 17:48
Operator : KP/SY
Sample : 03444-17
Misc : 4.13G/10.0ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46X8RE

Quant Time: Jul 04 01:11:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Jun 16 01:50:34 2023
Response via : Initial Calibration

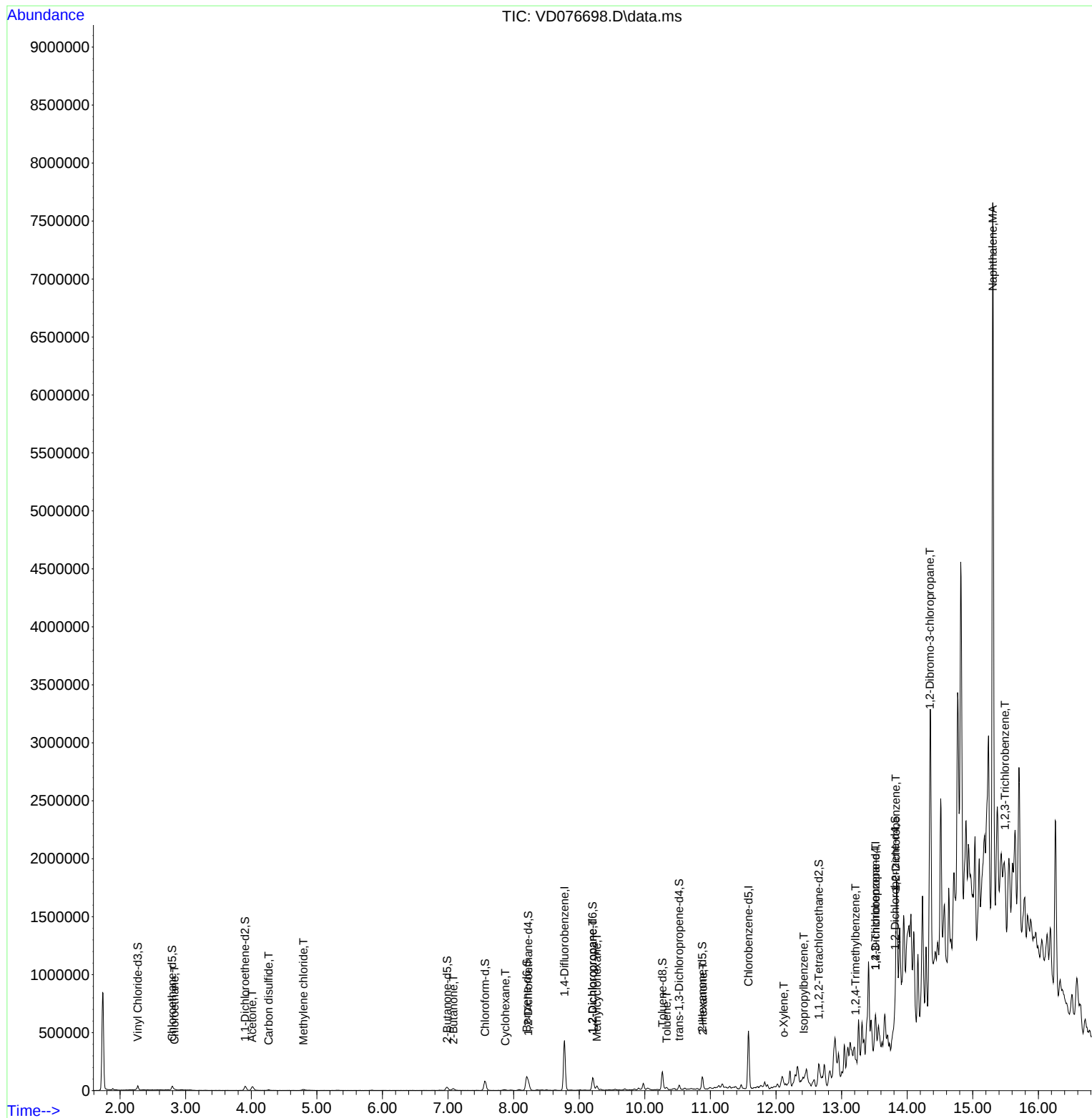
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

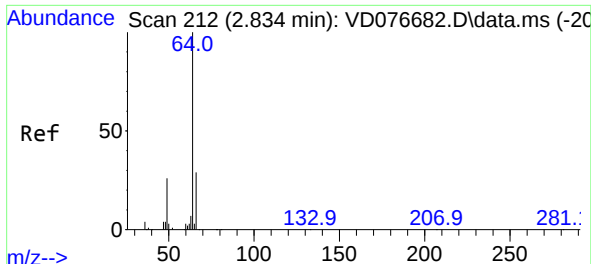
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
Data File : VD076698.D
Acq On : 03 Jul 2023 17:48
Operator : KP/SY
Sample : 03444-17
Misc : 4.13G/10.0ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
A46X8RE

Quant Time: Jul 04 01:11:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Jun 16 01:50:34 2023
Response via : Initial Calibration

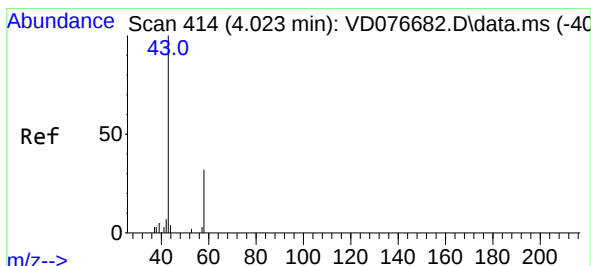
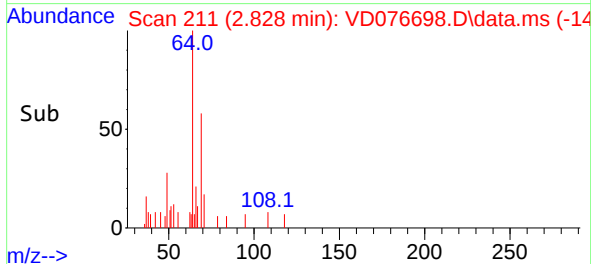
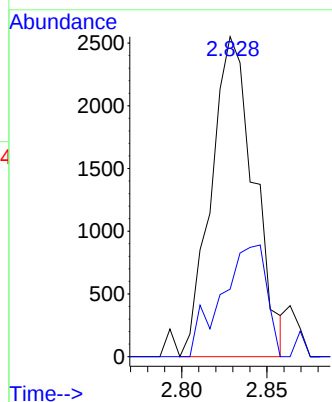
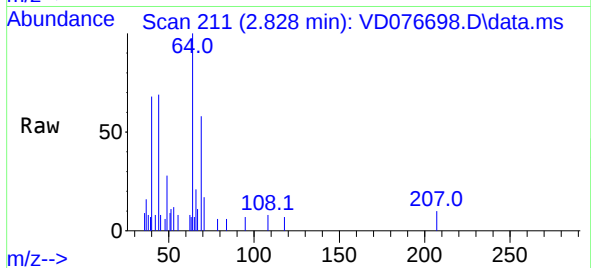




#8
Chloroethane
Concen: 0.703 ug/L
RT: 2.828 min Scan# 211
Delta R.T. -0.006 min
Lab File: VD076698.D
Acq: 03 Jul 2023 17:48

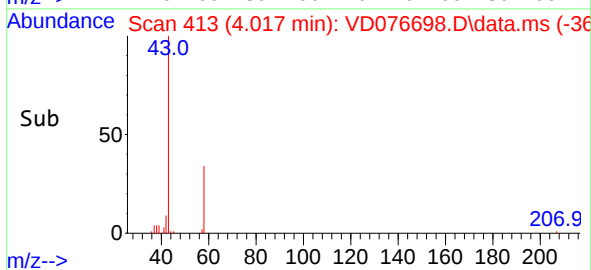
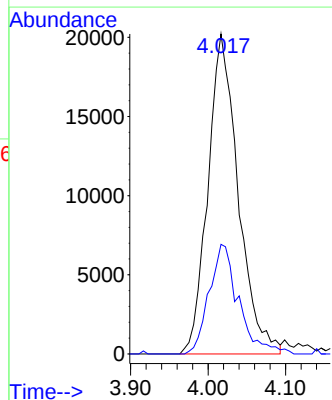
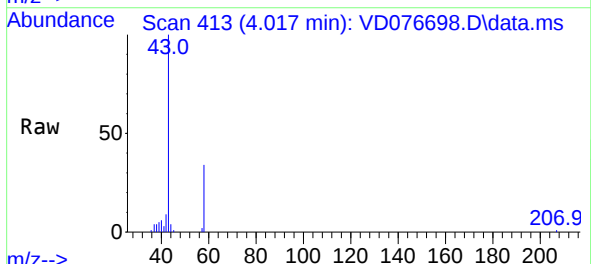
Instrument :
MSVOA_D
ClientSampleId :
A46X8RE

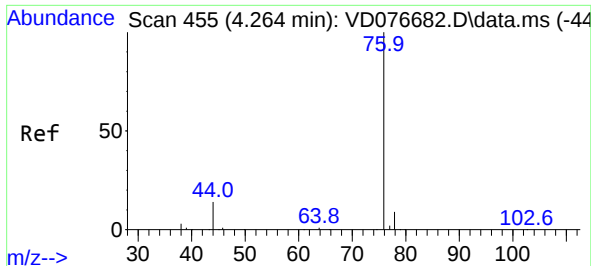
Tgt Ion: 64 Resp: 4472
Ion Ratio Lower Upper
64 100
66 21.1 22.1 41.1#



#13
Acetone
Concen: 49.629 ug/L
RT: 4.017 min Scan# 413
Delta R.T. -0.006 min
Lab File: VD076698.D
Acq: 03 Jul 2023 17:48

Tgt Ion: 43 Resp: 54903
Ion Ratio Lower Upper
43 100
58 33.4 0.0 67.4

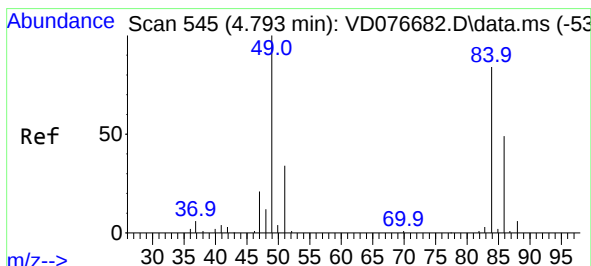
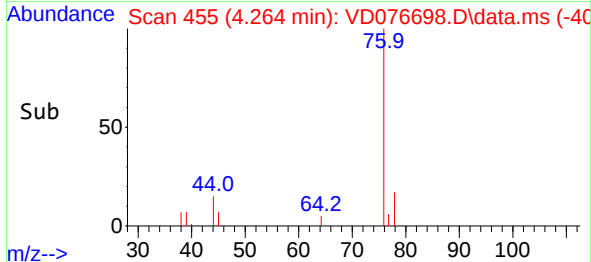
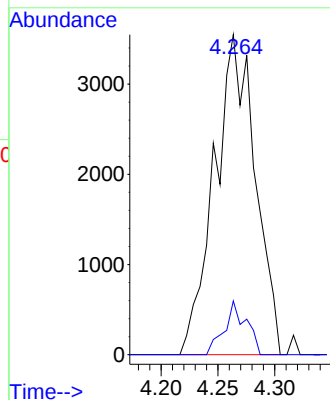
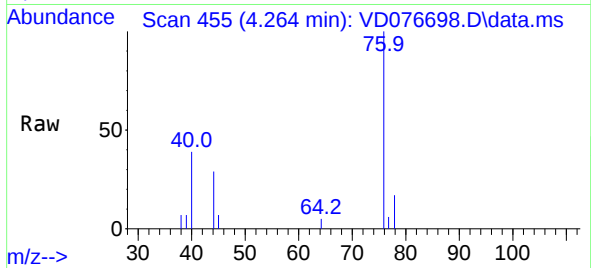




#14
Carbon disulfide
Concen: 0.508 ug/L
RT: 4.264 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD076698.D
Acq: 03 Jul 2023 17:48

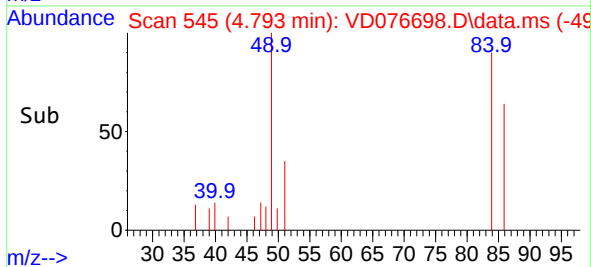
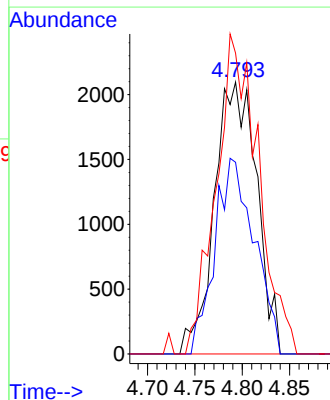
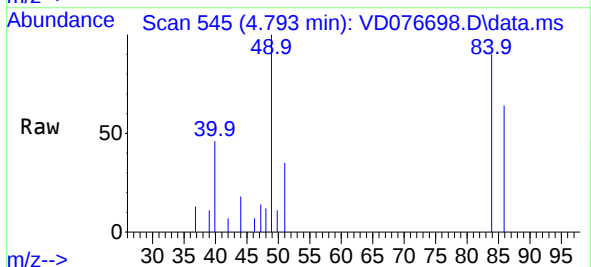
Instrument :
MSVOA_D
ClientSampleId :
A46X8RE

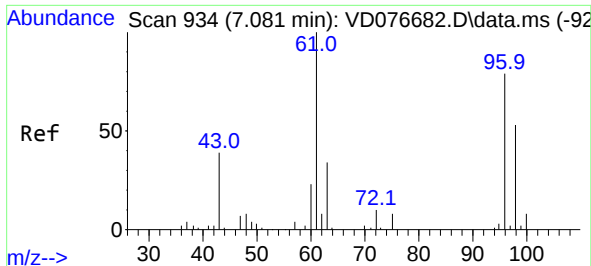
Tgt Ion: 76 Resp: 8870
Ion Ratio Lower Upper
76 100
78 16.8 7.0 10.4#



#16
Methylene chloride
Concen: 1.010 ug/L
RT: 4.793 min Scan# 545
Delta R.T. 0.006 min
Lab File: VD076698.D
Acq: 03 Jul 2023 17:48

Tgt Ion: 84 Resp: 6517
Ion Ratio Lower Upper
84 100
86 70.6 45.1 83.9
49 110.7 97.2 180.6

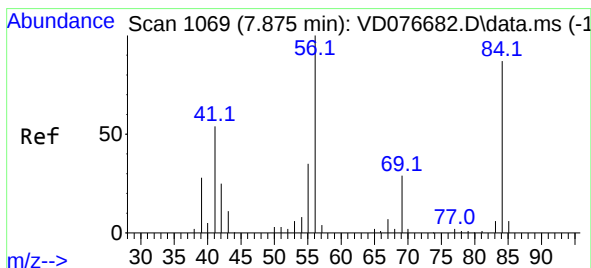
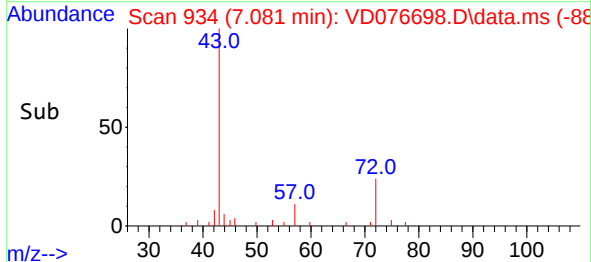
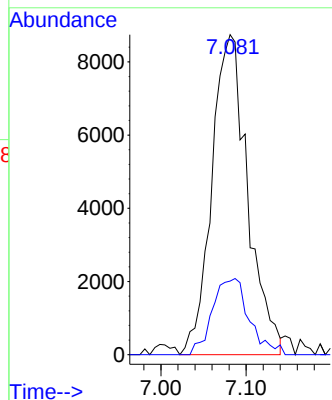
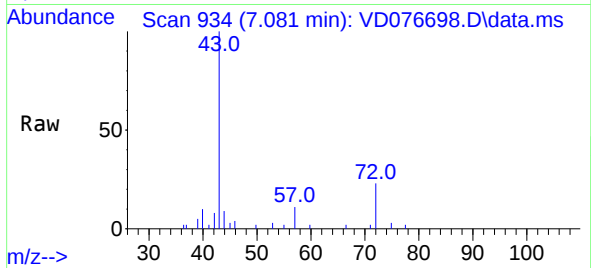




#22
2-Butanone
Concen: 14.332 ug/L
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD076698.D
Acq: 03 Jul 2023 17:48

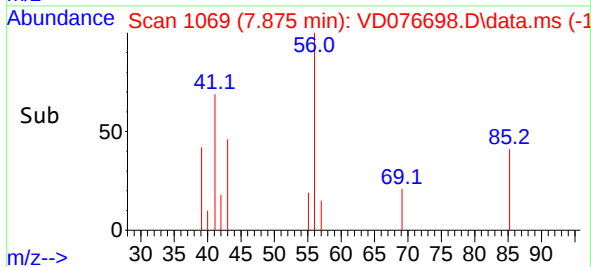
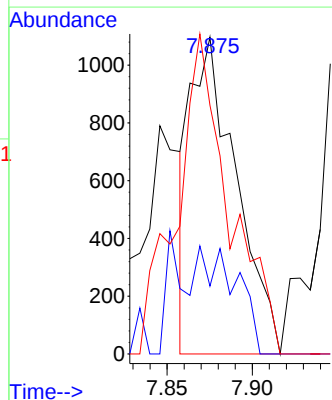
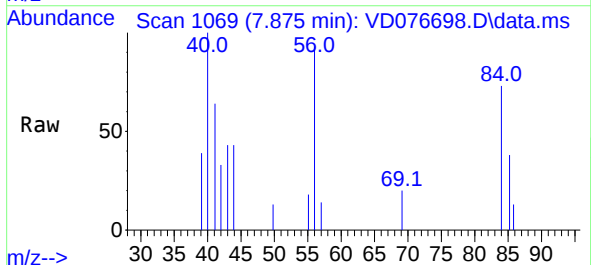
Instrument :
MSVOA_D
ClientSampleId :
A46X8RE

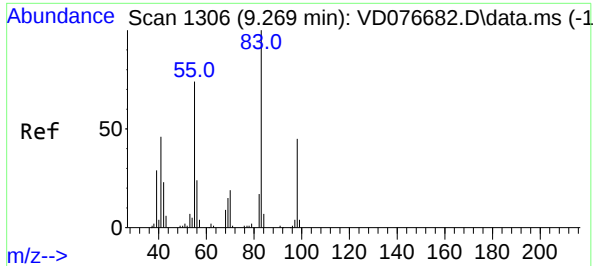
Tgt Ion: 43 Resp: 25587
Ion Ratio Lower Upper
43 100
72 18.7 12.9 38.7



#29
Cyclohexane
Concen: 0.278 ug/L
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD076698.D
Acq: 03 Jul 2023 17:48

Tgt Ion: 56 Resp: 2061
Ion Ratio Lower Upper
56 100
69 10.2 23.4 35.0#
84 96.7 66.3 99.5

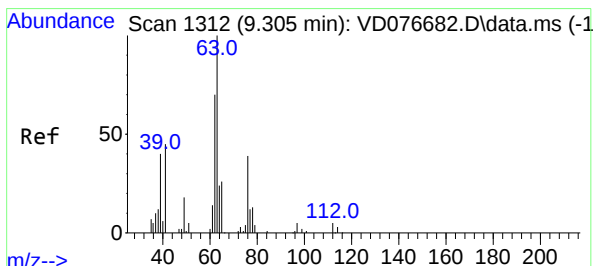
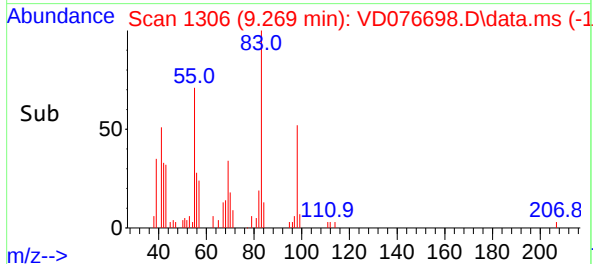
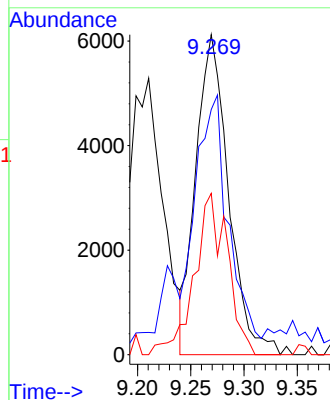
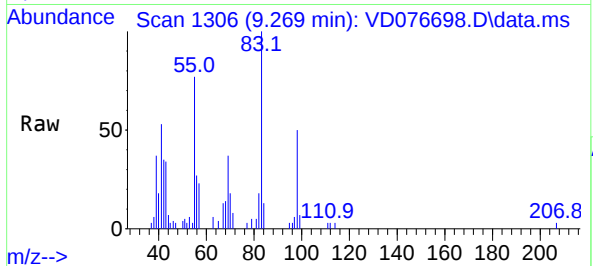




#35
Methylcyclohexane
Concen: 1.711 ug/L
RT: 9.269 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076698.D
Acq: 03 Jul 2023 17:48

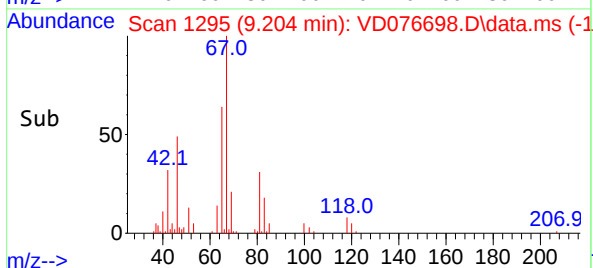
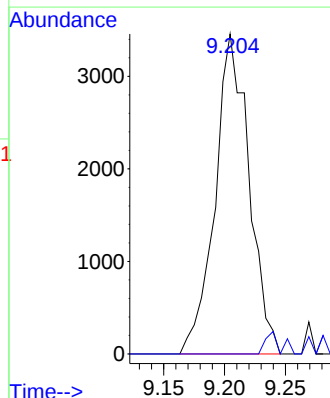
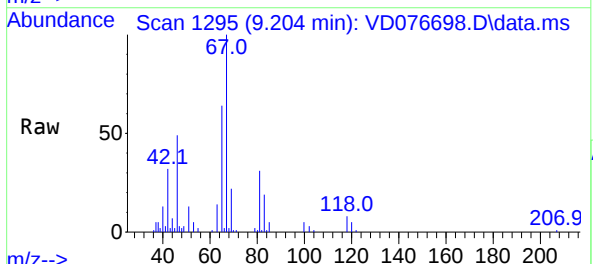
Instrument :
MSVOA_D
ClientSampleId :
A46X8RE

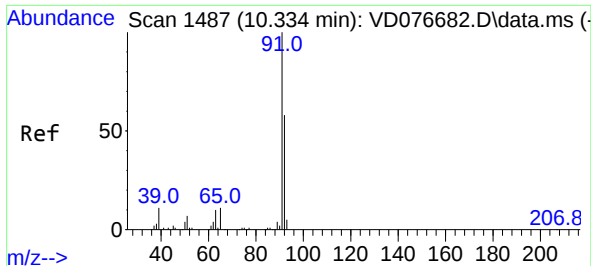
Tgt Ion:	83	Resp:	13075
Ion	Ratio	Lower	Upper
83	100		
55	73.6	59.8	89.6
98	35.1	37.8	56.6#



#37
1,2-Dichloropropane
Concen: 1.334 ug/L
RT: 9.204 min Scan# 1295
Delta R.T. -0.100 min
Lab File: VD076698.D
Acq: 03 Jul 2023 17:48

Tgt Ion:	63	Resp:	6706
Ion	Ratio	Lower	Upper
63	100		
112	2.1	3.1	4.7#

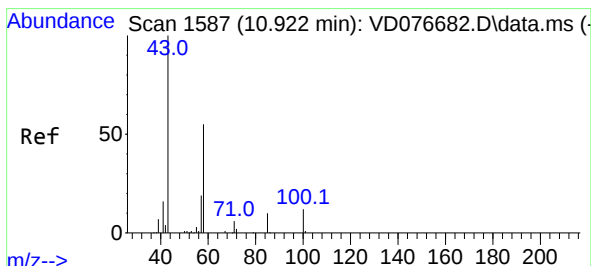
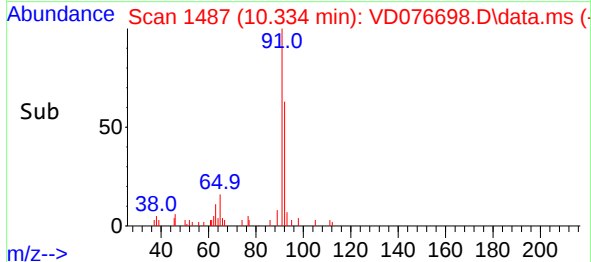
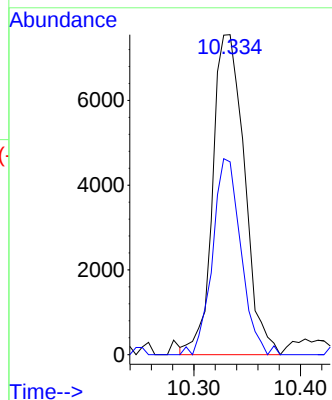
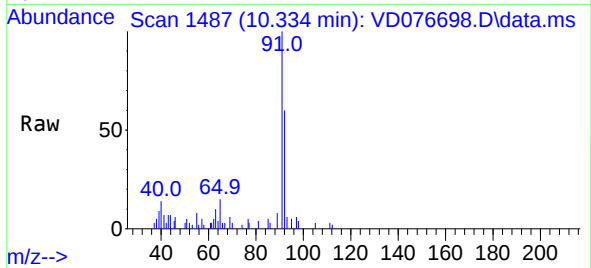




#42
Toluene
Concen: 0.791 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD076698.D
Acq: 03 Jul 2023 17:48

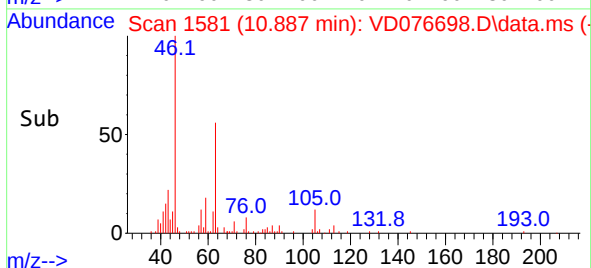
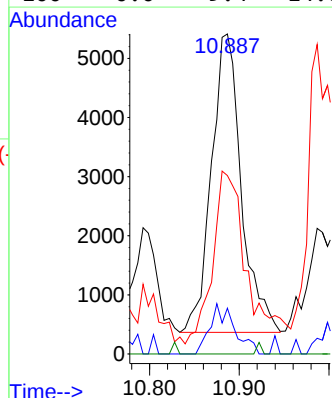
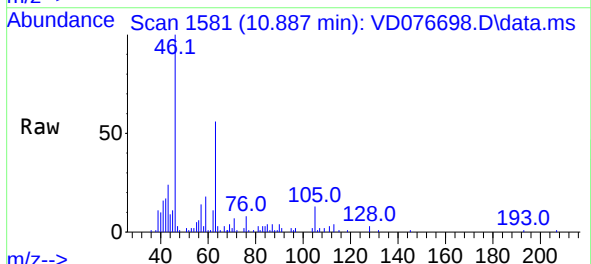
Instrument :
MSVOA_D
ClientSampleId :
A46X8RE

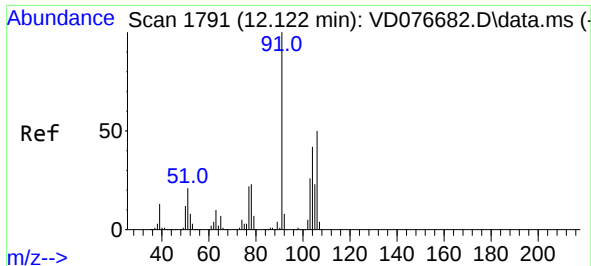
Tgt Ion: 91 Resp: 15586
Ion Ratio Lower Upper
91 100
92 60.2 39.3 73.1



#48
2-Hexanone
Concen: 5.459 ug/L
RT: 10.887 min Scan# 1581
Delta R.T. -0.035 min
Lab File: VD076698.D
Acq: 03 Jul 2023 17:48

Tgt Ion: 43 Resp: 11696
Ion Ratio Lower Upper
43 100
58 7.1 42.9 64.3#
57 56.5 13.7 20.5#
100 0.0 9.4 14.0#

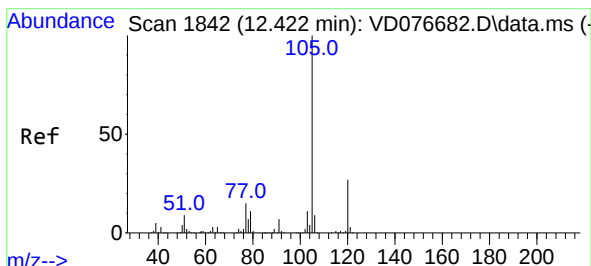
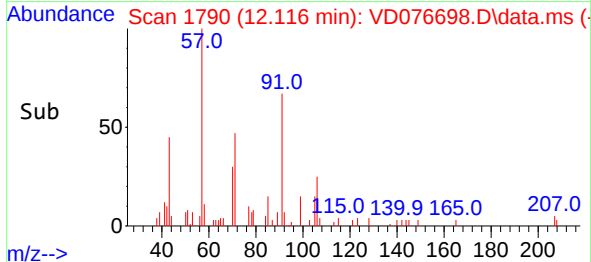
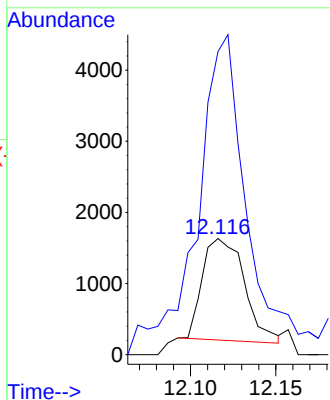
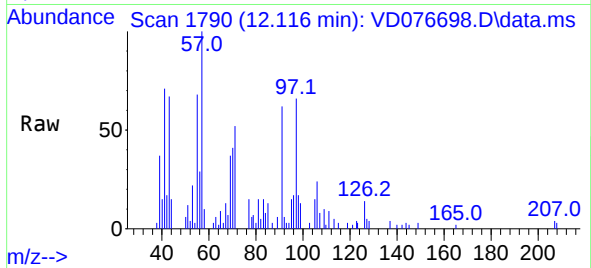




#54
o-Xylene
Concen: 0.306 ug/L
RT: 12.116 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VD076698.D
Acq: 03 Jul 2023 17:48

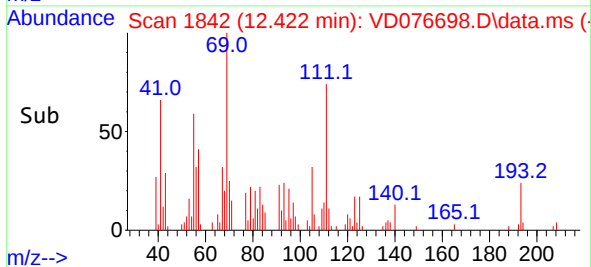
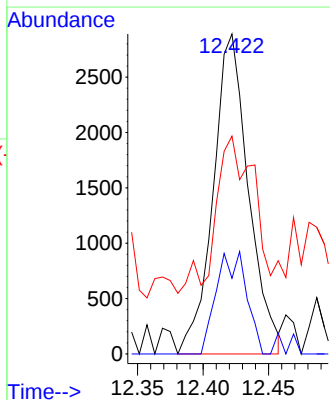
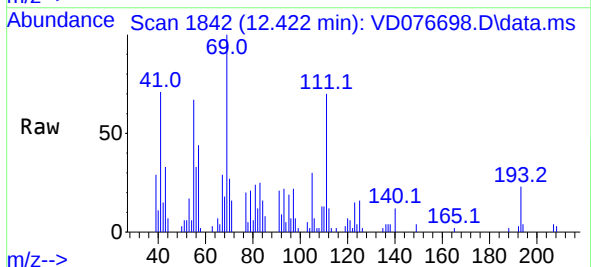
Instrument :
MSVOA_D
ClientSampleId :
A46X8RE

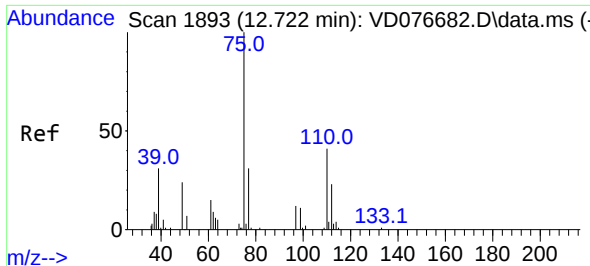
Tgt Ion:106 Resp: 2435
Ion Ratio Lower Upper
106 100
91 261.0 142.2 264.2



#60
Isopropylbenzene
Concen: 0.371 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD076698.D
Acq: 03 Jul 2023 17:48

Tgt Ion:105 Resp: 5416
Ion Ratio Lower Upper
105 100
120 27.0 21.3 31.9
77 29.0 12.2 18.4#

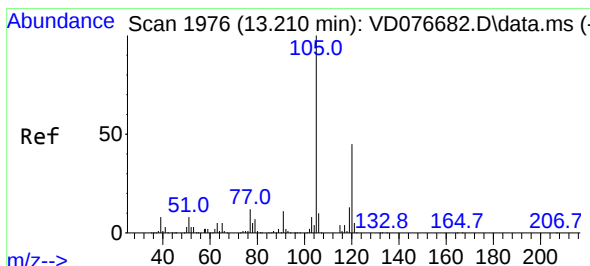
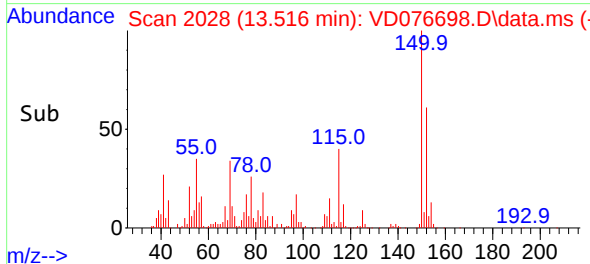
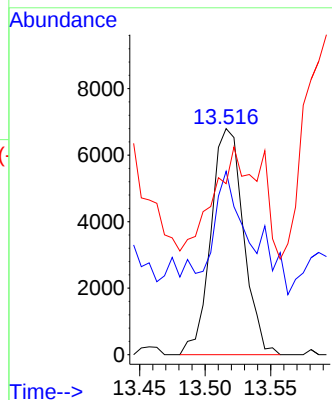
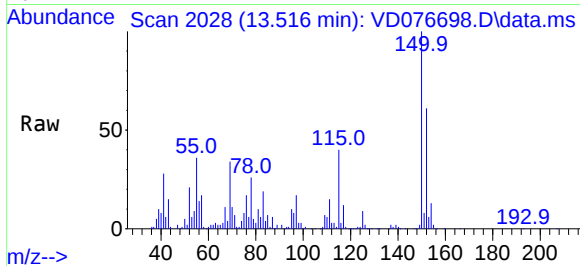




#61
1,2,3-Trichloropropane
Concen: 6.359 ug/L
RT: 13.516 min Scan# 20
Delta R.T. 0.788 min
Lab File: VD076698.D
Acq: 03 Jul 2023 17:48

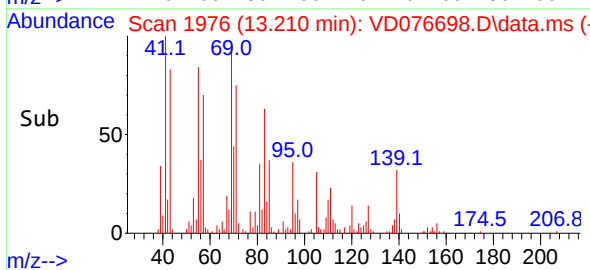
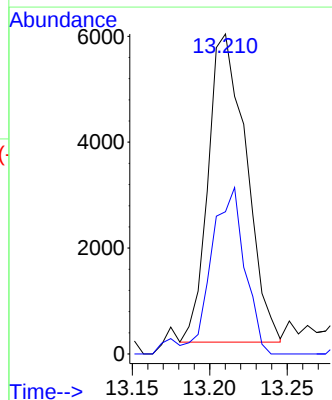
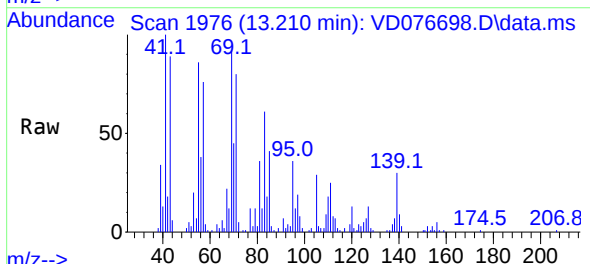
Instrument :
MSVOA_D
ClientSampleId :
A46X8RE

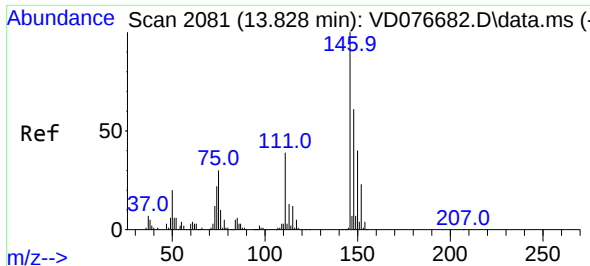
Tgt Ion:	75	Resp:	11762
Ion	Ratio	Lower	Upper
75	100		
77	33.3	27.2	40.8
110	41.6	31.8	47.6



#63
1,2,4-Trimethylbenzene
Concen: 0.862 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VD076698.D
Acq: 03 Jul 2023 17:48

Tgt Ion:	105	Resp:	9917
Ion	Ratio	Lower	Upper
105	100		
120	47.3	37.5	56.3

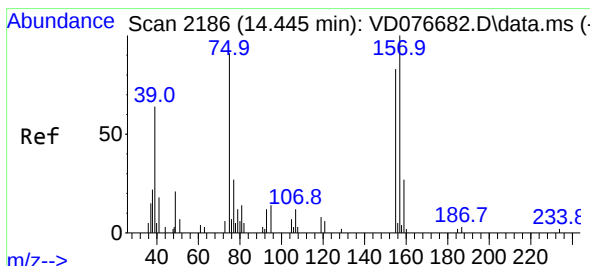
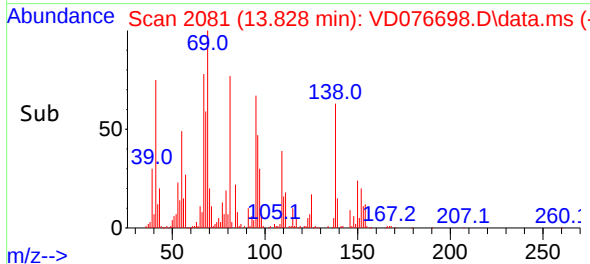
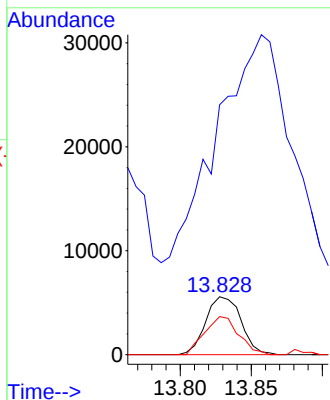
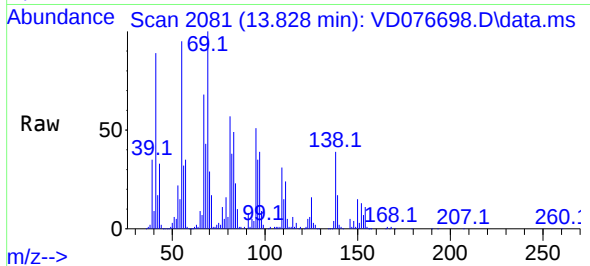




#67
1,2-Dichlorobenzene
Concen: 1.667 ug/L
RT: 13.828 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VD076698.D
Acq: 03 Jul 2023 17:48

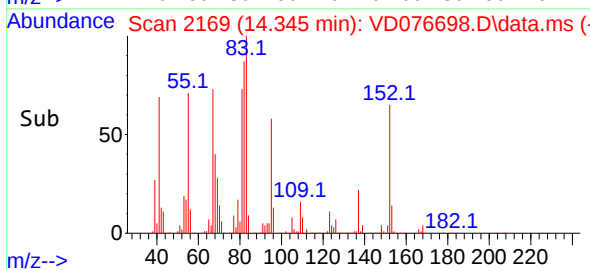
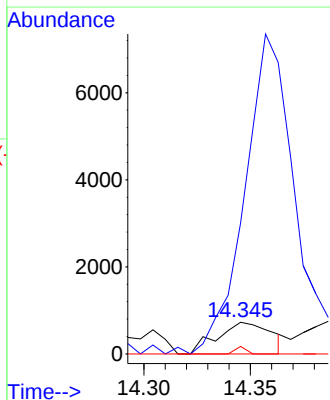
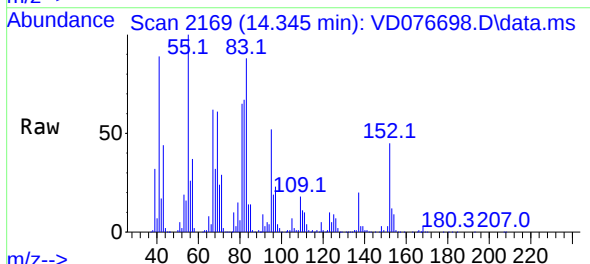
Instrument :
MSVOA_D
ClientSampleId :
A46X8RE

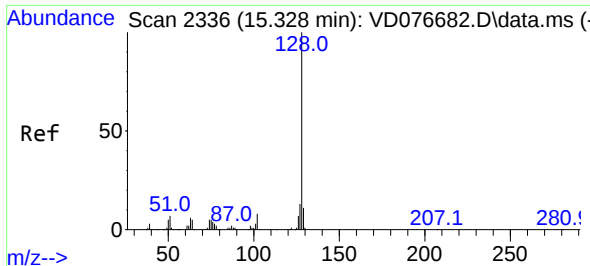
Tgt Ion:146 Resp: 9630
Ion Ratio Lower Upper
146 100
111 431.1 31.3 46.9#
148 65.7 51.7 77.5



#68
1,2-Dibromo-3-chloropropane
Concen: 3.107 ug/L
RT: 14.345 min Scan# 2169
Delta R.T. -0.100 min
Lab File: VD076698.D
Acq: 03 Jul 2023 17:48

Tgt Ion: 75 Resp: 1281
Ion Ratio Lower Upper
75 100
155 413.5 76.2 114.4#
157 23.5 89.4 134.2#

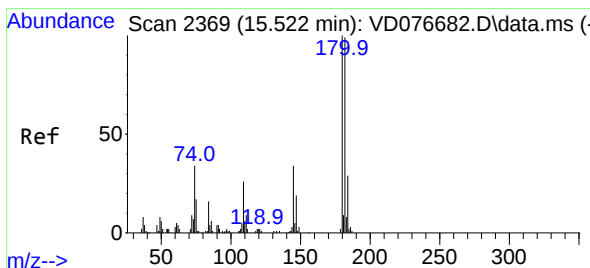
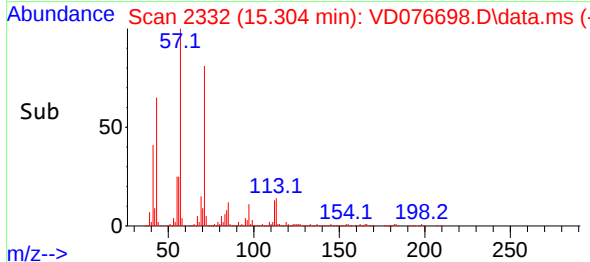
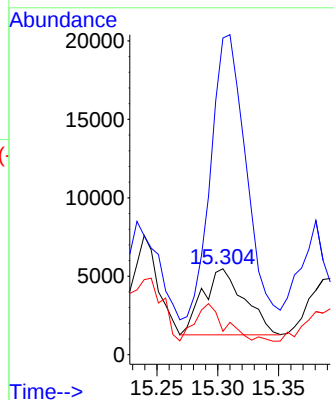
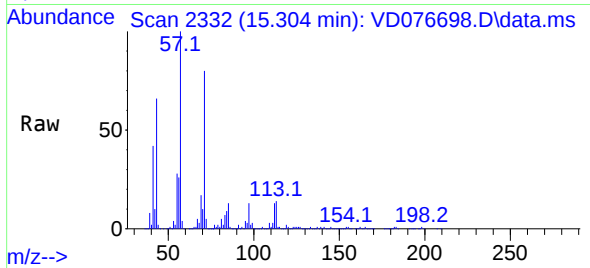




#71
Naphthalene
Concen: 1.361 ug/L
RT: 15.304 min Scan# 21
Delta R.T. -0.029 min
Lab File: VD076698.D
Acq: 03 Jul 2023 17:48

Instrument :
MSVOA_D
ClientSampleId :
A46X8RE

Tgt Ion:128 Resp: 10030
Ion Ratio Lower Upper
128 100
127 361.9 10.8 16.2#
129 7.5 8.6 12.8#



#72
1,2,3-Trichlorobenzene
Concen: 3.808 ug/L
RT: 15.492 min Scan# 2364
Delta R.T. -0.029 min
Lab File: VD076698.D
Acq: 03 Jul 2023 17:48

Tgt Ion:180 Resp: 12730
Ion Ratio Lower Upper
180 100
182 30.1 74.3 111.5#
145 179.4 25.0 37.6#

