

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD112223\
 Data File : VD077664.D
 Acq On : 22 Nov 2023 12:19
 Operator : JC/SY
 Sample : 05459-14
 Misc : 4.30G/10ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 23 00:31:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Nov 22 01:40:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	14342	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.581	117	12732	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	4972	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	5541	15.187	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.760%
7) Chloroethane-d5	2.805	69	4808	16.775	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.120%
11) 1,1-Dichloroethene-d2	3.934	65	782	6.932	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	27.720%#
21) 2-Butanone-d5	6.981	46	3376	53.446	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.900%
24) Chloroform-d	7.569	84	9968	24.060	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.240%
26) 1,2-Dichloroethane-d4	8.234	65	7053	32.004	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	128.000%
32) Benzene-d6	8.199	84	17317	20.956	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.840%
36) 1,2-Dichloropropane-d6	9.216	67	7180	26.675	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.680%
41) Toluene-d8	10.269	98	13993	18.739	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	74.960%
43) trans-1,3-Dichloroprop...	10.528	79	3339	28.771	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	115.080%
47) 2-Hexanone-d5	10.875	63	4285	88.991	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	177.980%#
56) 1,1,2,2-Tetrachloroeth...	12.657	84	7514	42.134	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	168.520%#
66) 1,2-Dichlorobenzene-d4	13.816	152	4312	24.378	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.520%
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	148	0.445	ug/L #	43
6) Bromomethane	2.711	94	354	1.773	ug/L #	53
13) Acetone	4.022	43	143	2.154	ug/L #	43
15) Methyl Acetate	4.505	43	139	1.273	ug/L #	56
16) Methylene chloride	4.793	84	1204	4.972	ug/L #	66
22) 2-Butanone	7.099	43	142	1.777	ug/L #	49
27) 1,2-Dichloroethane	8.069	62	140	0.534	ug/L #	73
34) Trichloroethene	8.769	95	316	1.444	ug/L #	10
35) Methylcyclohexane	9.210	83	1763	4.466	ug/L #	16
37) 1,2-Dichloropropane	9.210	63	903	3.679	ug/L #	88
40) 4-Methyl-2-pentanone	10.140	43	120	0.802	ug/L #	45
44) trans-1,3-Dichloropropene	10.528	75	136	0.436	ug/L #	1
48) 2-Hexanone	10.922	43	277	2.336	ug/L #	40
61) 1,2,3-Trichloropropane	13.516	75	358	3.380	ug/L #	60
64) 1,3-Dichlorobenzene	13.539	146	234	0.709	ug/L #	35
65) 1,4-Dichlorobenzene	13.539	146	234	0.703	ug/L #	33
67) 1,2-Dichlorobenzene	13.551	146	125	0.429	ug/L #	23
69) 1,3,5-Trichlorobenzene	15.516	180	187	0.832	ug/L #	51
71) Naphthalene	15.333	128	842	2.360	ug/L #	69

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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 23 00:31:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Nov 22 01:40:25 2023
Response via : Initial Calibration

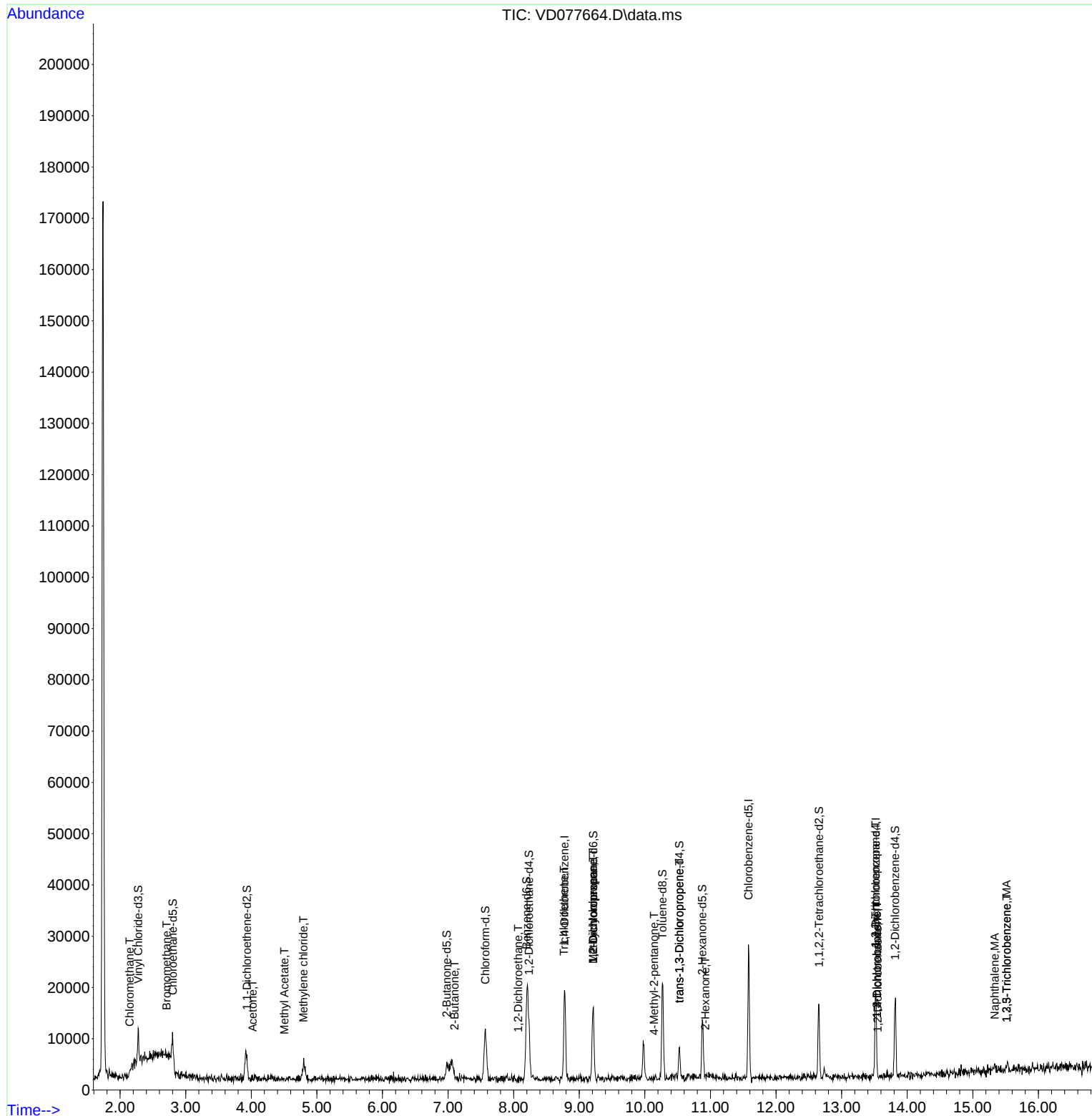
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	15.516	180	187	1.158	ug/L	# 51

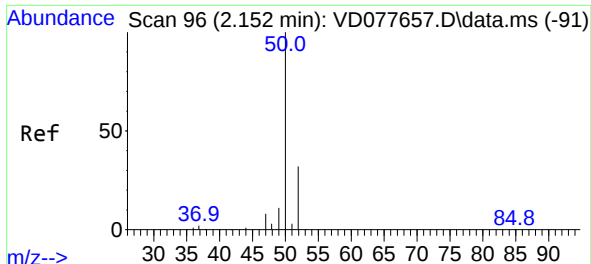
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
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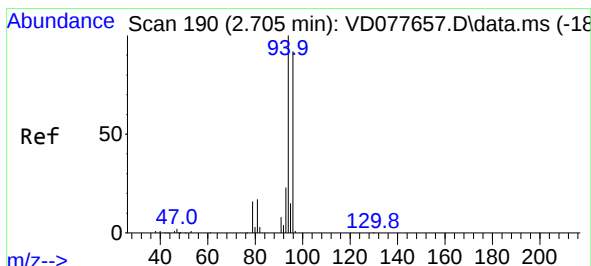
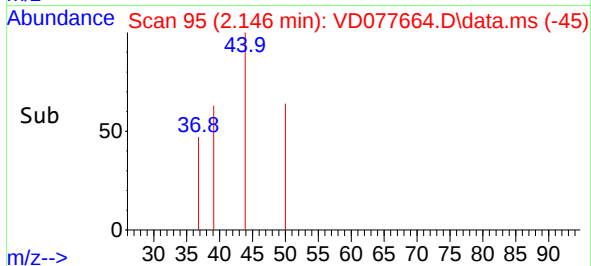
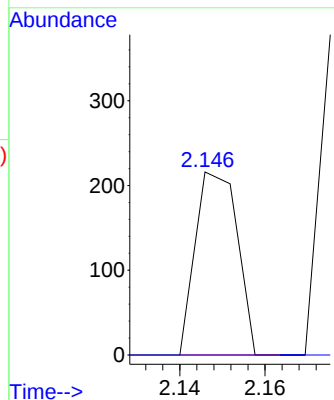
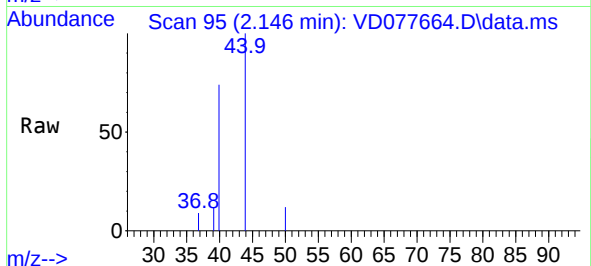




#3
Chloromethane
Concen: 0.445 ug/L
RT: 2.146 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD077664.D
Acq: 22 Nov 2023 12:19

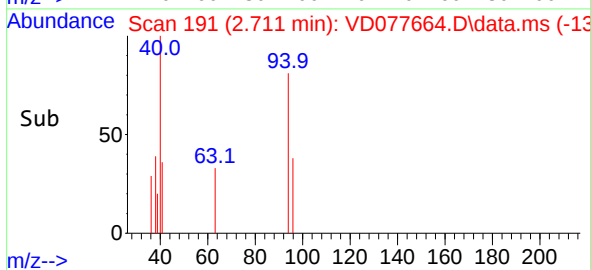
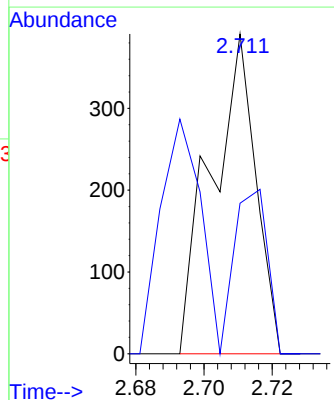
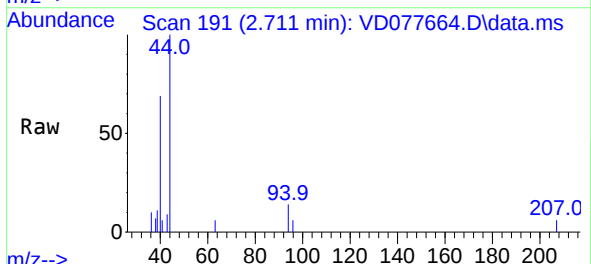
Instrument :
MSVOA_D
ClientSampleId :

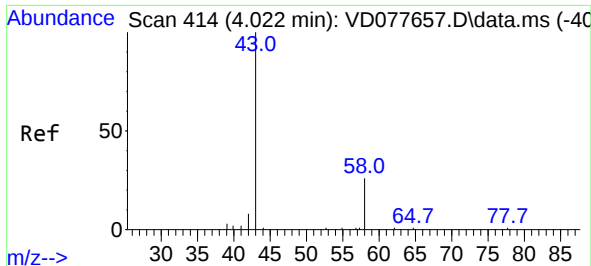
Tgt Ion: 50 Resp: 148
Ion Ratio Lower Upper
50 100
52 0.0 22.1 41.1#



#6
Bromomethane
Concen: 1.773 ug/L
RT: 2.711 min Scan# 191
Delta R.T. 0.006 min
Lab File: VD077664.D
Acq: 22 Nov 2023 12:19

Tgt Ion: 94 Resp: 354
Ion Ratio Lower Upper
94 100
96 47.1 64.5 119.9#

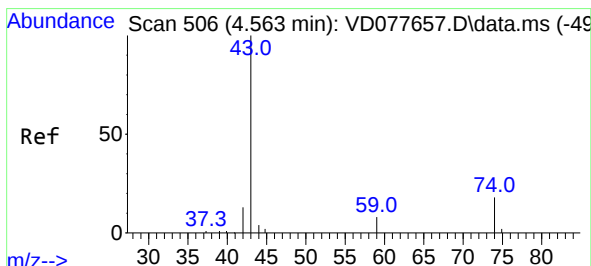
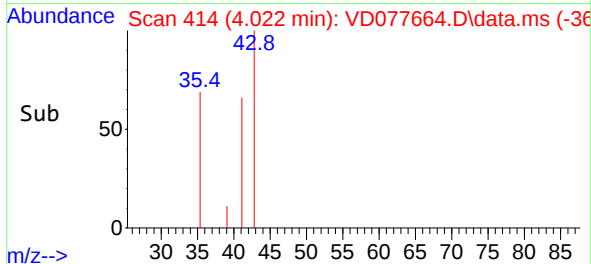
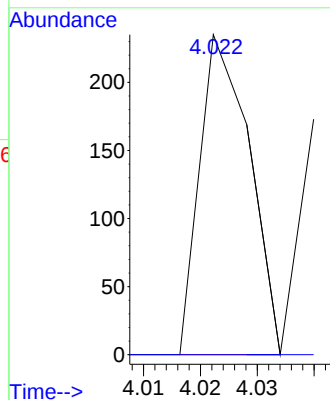
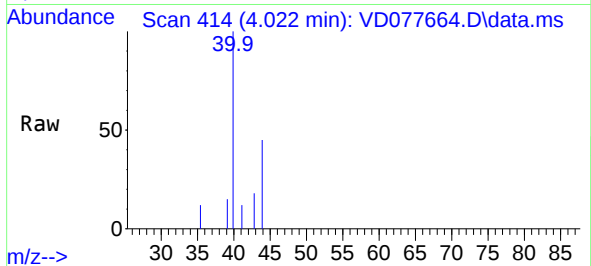




#13
Acetone
Concen: 2.154 ug/L
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077664.D
Acq: 22 Nov 2023 12:19

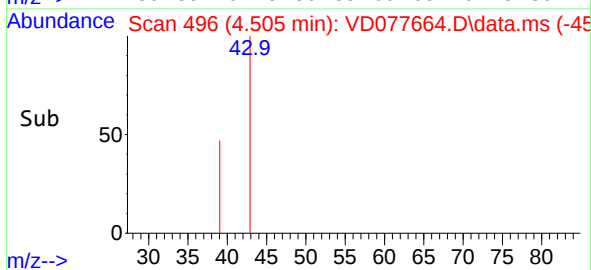
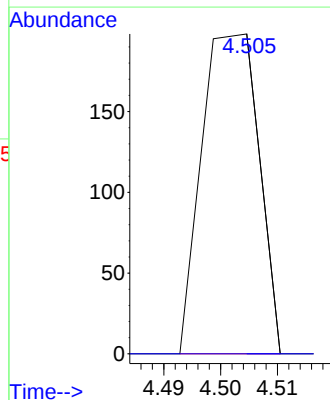
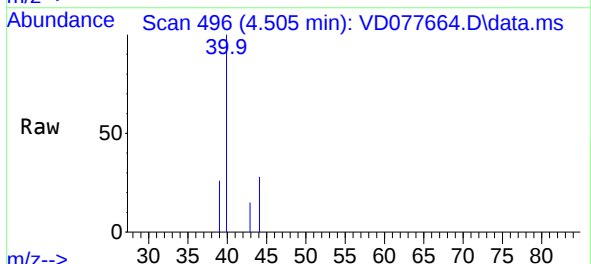
Instrument :
MSVOA_D
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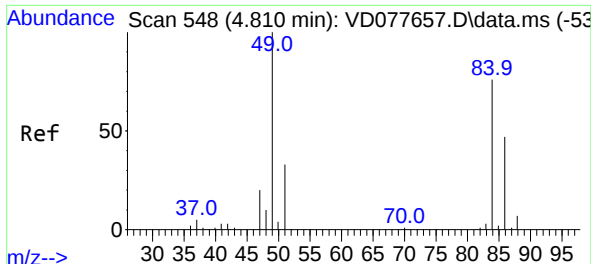
Tgt Ion: 43 Resp: 143
Ion Ratio Lower Upper
43 100
58 0.0 0.0 64.0



#15
Methyl Acetate
Concen: 1.273 ug/L
RT: 4.505 min Scan# 496
Delta R.T. -0.065 min
Lab File: VD077664.D
Acq: 22 Nov 2023 12:19

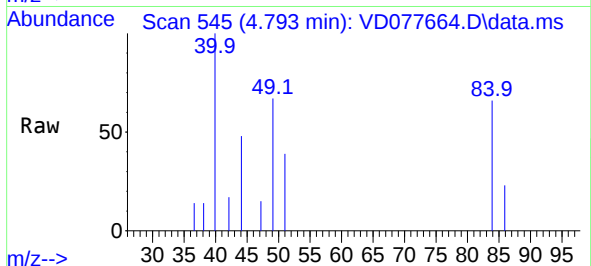
Tgt Ion: 43 Resp: 139
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



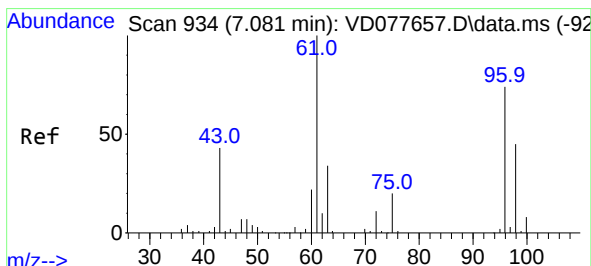
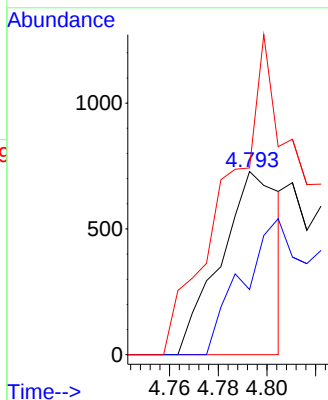
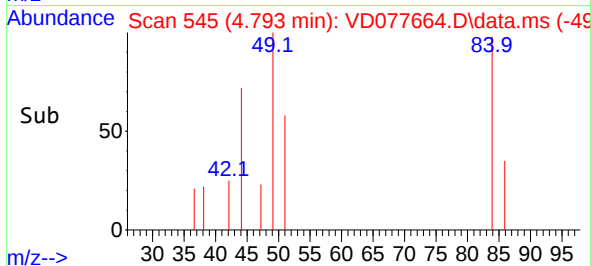


#16
Methylene chloride
Concen: 4.972 ug/L
RT: 4.793 min Scan# 54
Delta R.T. -0.018 min
Lab File: VD077664.D
Acq: 22 Nov 2023 12:19

Instrument :
MSVOA_D
ClientSampleId :

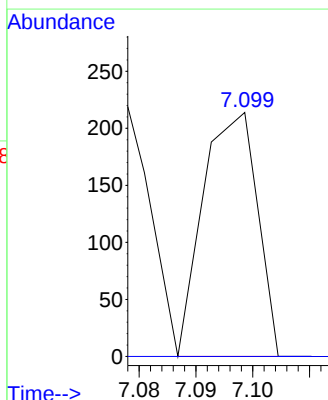
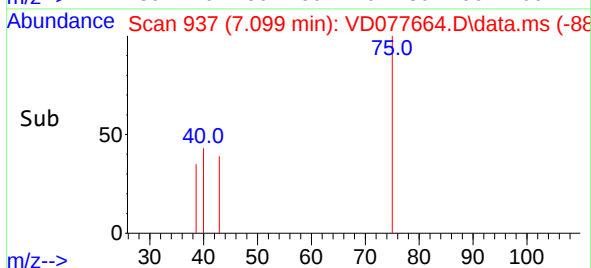
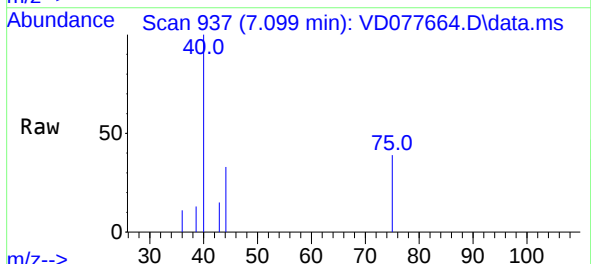


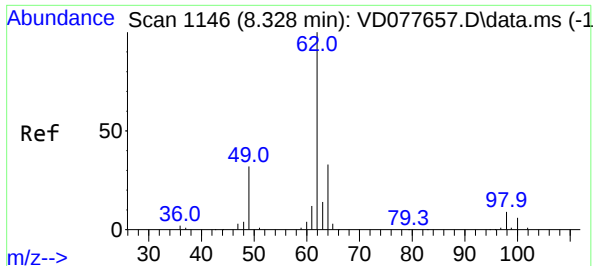
Tgt Ion: 84 Resp: 1204
Ion Ratio Lower Upper
84 100
86 35.6 46.5 86.5#
49 101.9 98.3 182.7



#22
2-Butanone
Concen: 1.777 ug/L
RT: 7.099 min Scan# 937
Delta R.T. 0.012 min
Lab File: VD077664.D
Acq: 22 Nov 2023 12:19

Tgt Ion: 43 Resp: 142
Ion Ratio Lower Upper
43 100
72 0.0 12.8 38.4#

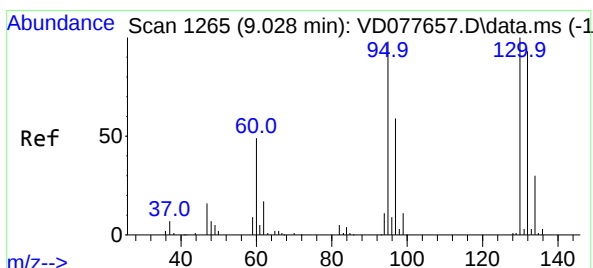
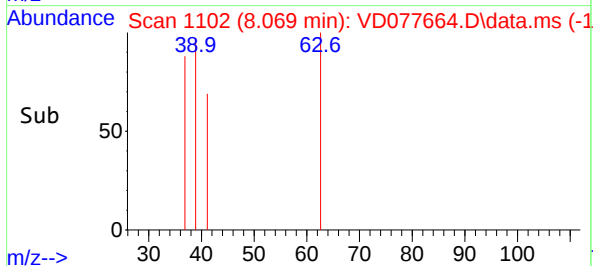
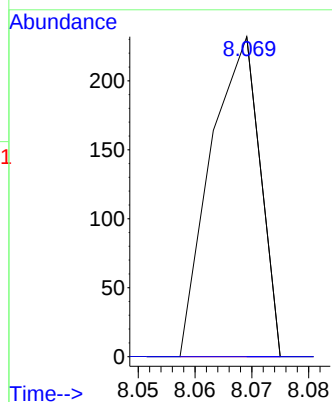
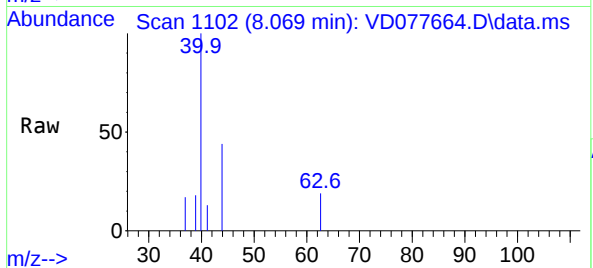




#27
1,2-Dichloroethane
Concen: 0.534 ug/L
RT: 8.069 min Scan# 1146
Delta R.T. -0.265 min
Lab File: VD077664.D
Acq: 22 Nov 2023 12:19

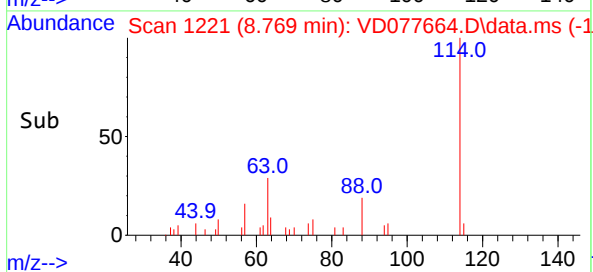
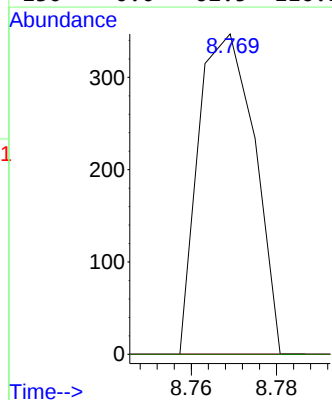
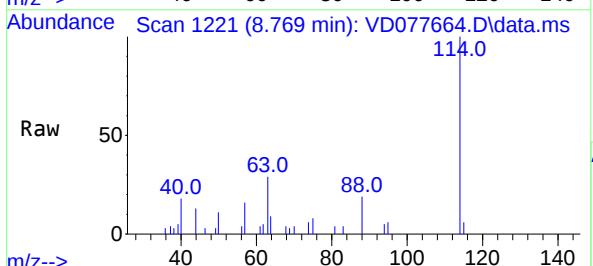
Instrument :
MSVOA_D
ClientSampleId :

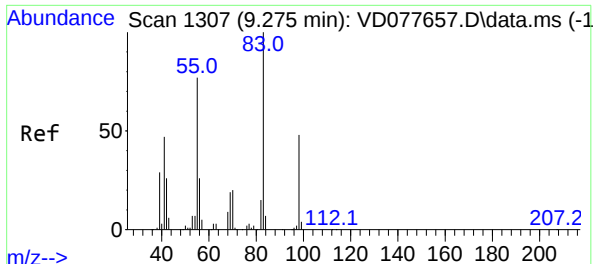
Tgt Ion: 62 Resp: 140
Ion Ratio Lower Upper
62 100
98 0.0 8.0 12.0#



#34
Trichloroethene
Concen: 1.444 ug/L
RT: 8.769 min Scan# 1221
Delta R.T. -0.265 min
Lab File: VD077664.D
Acq: 22 Nov 2023 12:19

Tgt Ion: 95 Resp: 316
Ion Ratio Lower Upper
95 100
97 0.0 42.4 78.6#
132 0.0 59.4 110.2#
130 0.0 62.5 116.1#

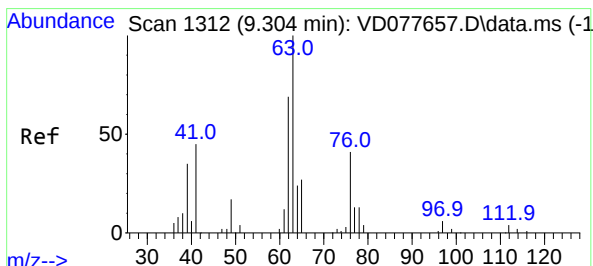
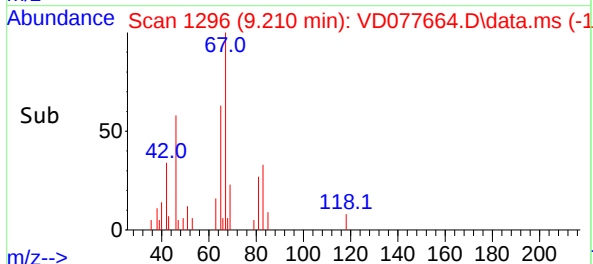
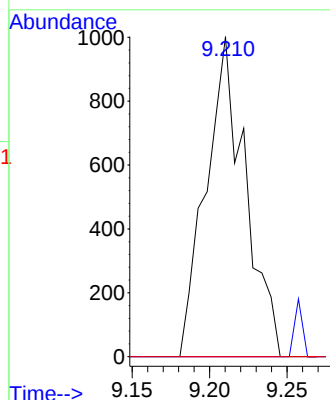
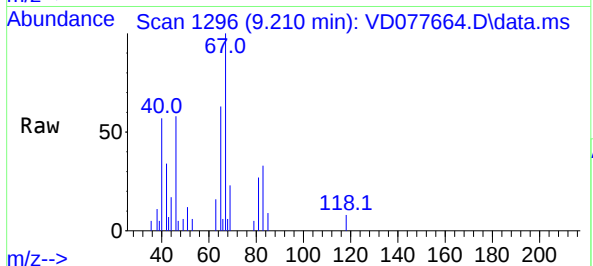




#35
Methylcyclohexane
Concen: 4.466 ug/L
RT: 9.210 min Scan# 1296
Delta R.T. -0.065 min
Lab File: VD077664.D
Acq: 22 Nov 2023 12:19

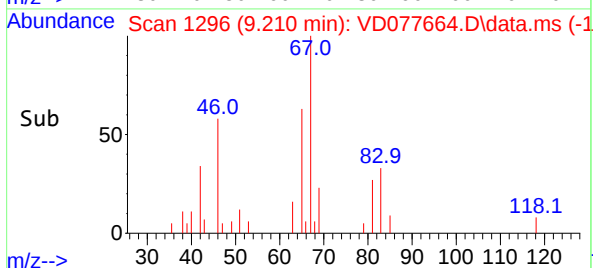
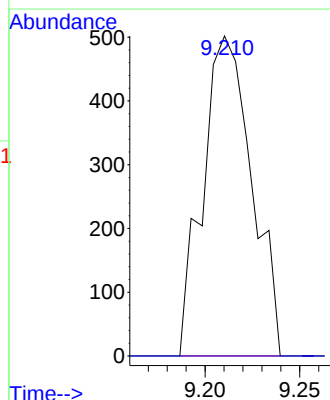
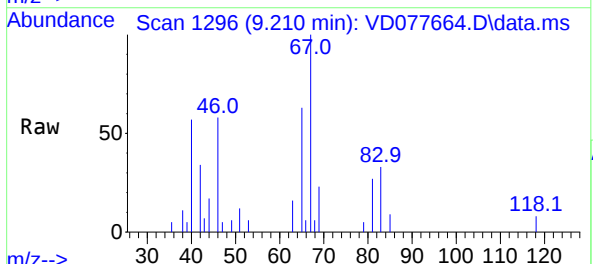
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MSVOA_D
ClientSampleId :

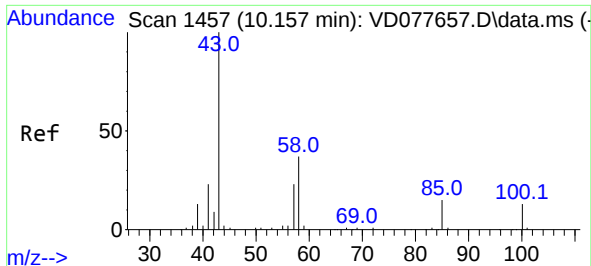
Tgt Ion: 83 Resp: 1763
Ion Ratio Lower Upper
83 100
55 0.0 66.5 99.7#
98 0.0 37.4 56.2#



#37
1,2-Dichloropropane
Concen: 3.679 ug/L
RT: 9.210 min Scan# 1296
Delta R.T. -0.100 min
Lab File: VD077664.D
Acq: 22 Nov 2023 12:19

Tgt Ion: 63 Resp: 903
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#

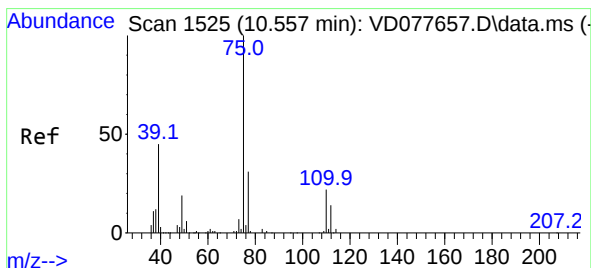
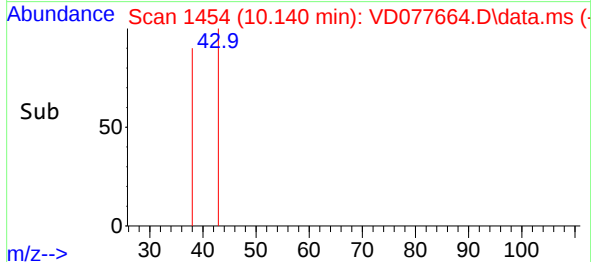
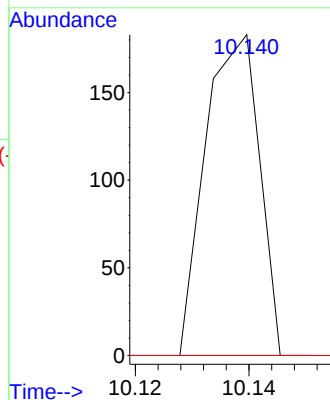
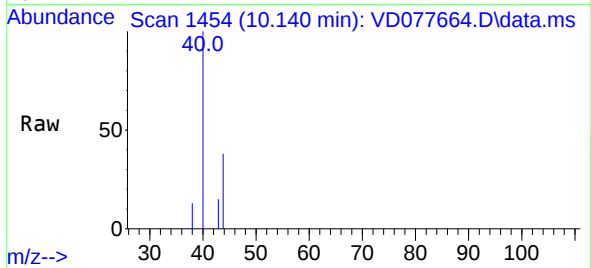




#40
4-Methyl-2-pentanone
Concen: 0.802 ug/L
RT: 10.140 min Scan# 1457
Delta R.T. -0.018 min
Lab File: VD077664.D
Acq: 22 Nov 2023 12:19

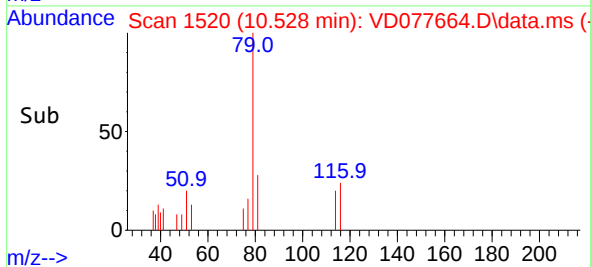
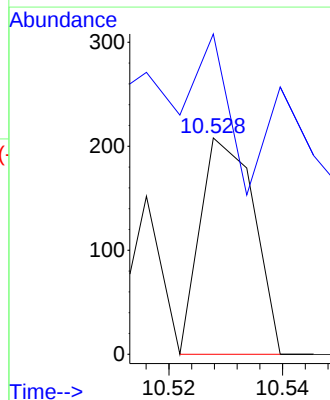
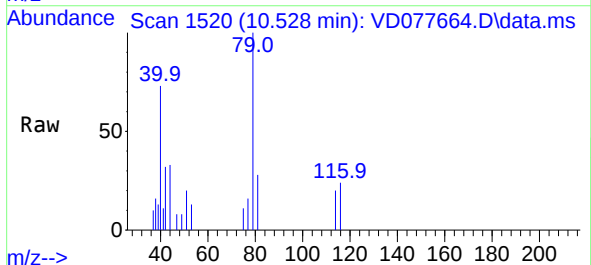
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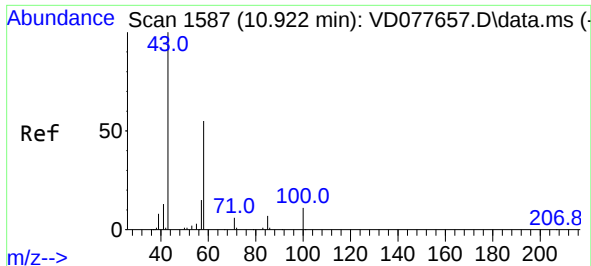
Tgt Ion: 43 Resp: 120
Ion Ratio Lower Upper
43 100
58 0.0 29.8 44.8#
100 0.0 9.5 14.3#



#44
trans-1,3-Dichloropropene
Concen: 0.436 ug/L
RT: 10.528 min Scan# 1520
Delta R.T. -0.029 min
Lab File: VD077664.D
Acq: 22 Nov 2023 12:19

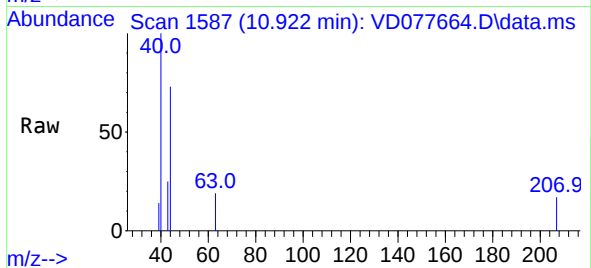
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Ion Ratio Lower Upper
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77 148.1 22.3 41.5#



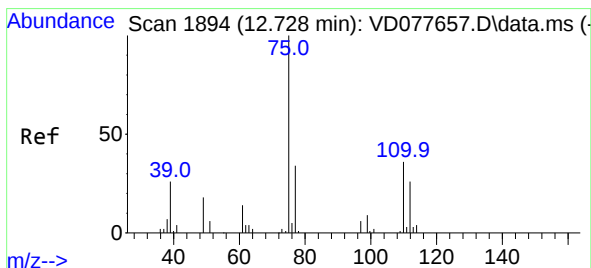
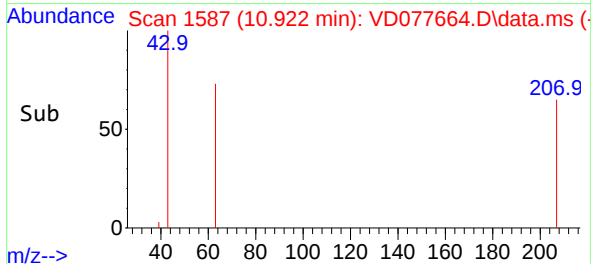
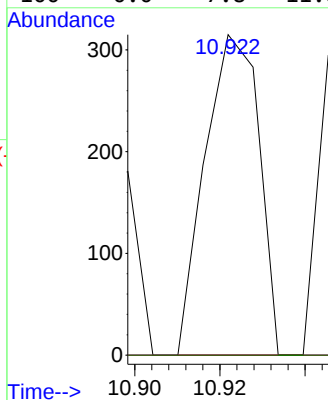


#48
2-Hexanone
Concen: 2.336 ug/L
RT: 10.922 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077664.D
Acq: 22 Nov 2023 12:19

Instrument :
MSVOA_D
ClientSampleId :

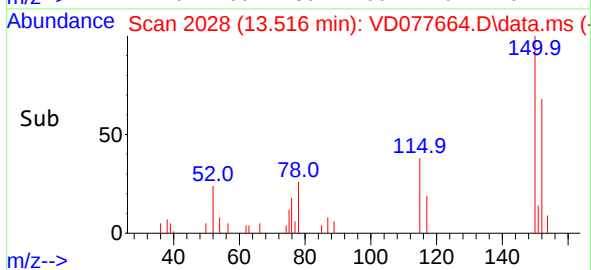
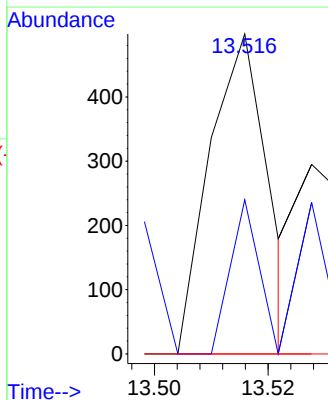
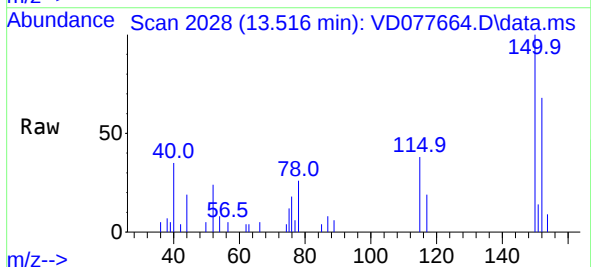


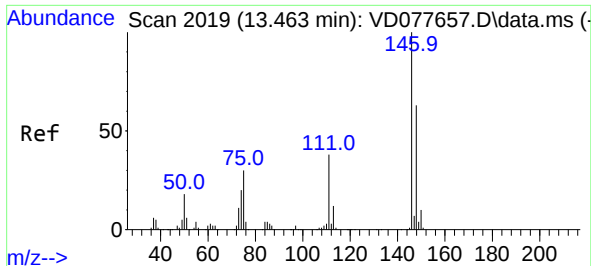
Tgt Ion: 43 Resp: 277
Ion Ratio Lower Upper
43 100
58 0.0 40.8 61.2#
57 0.0 13.7 20.5#
100 0.0 7.8 11.8#



#61
1,2,3-Trichloropropane
Concen: 3.380 ug/L
RT: 13.516 min Scan# 2028
Delta R.T. 0.788 min
Lab File: VD077664.D
Acq: 22 Nov 2023 12:19

Tgt Ion: 75 Resp: 358
Ion Ratio Lower Upper
75 100
77 23.7 25.6 38.4#
110 0.0 29.6 44.4#

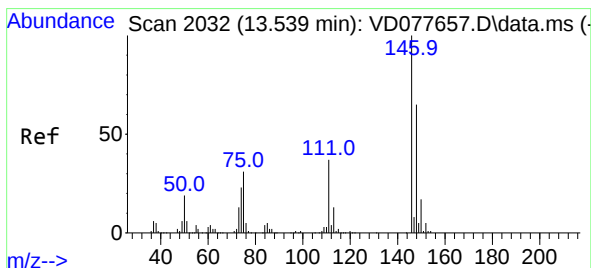
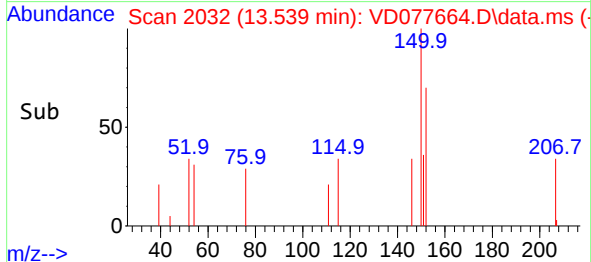
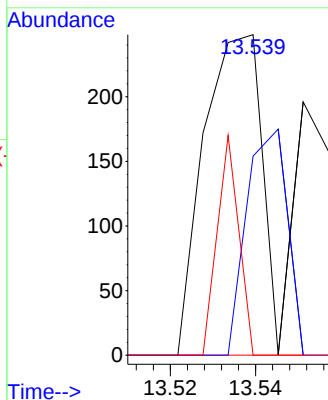
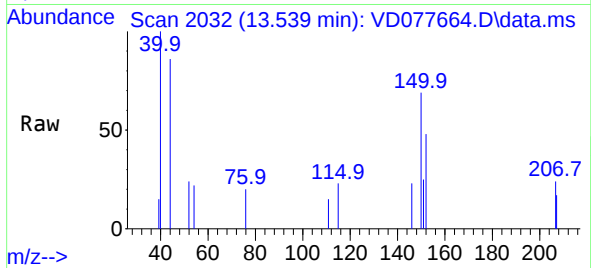




#64
1,3-Dichlorobenzene
Concen: 0.709 ug/L
RT: 13.539 min Scan# 2019
Delta R.T. 0.077 min
Lab File: VD077664.D
Acq: 22 Nov 2023 12:19

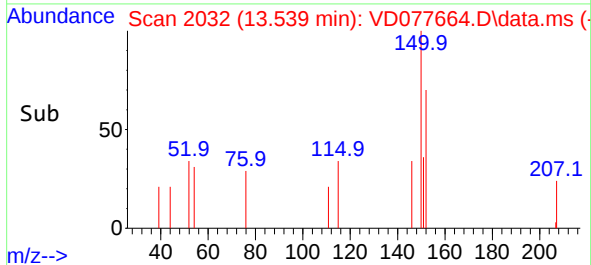
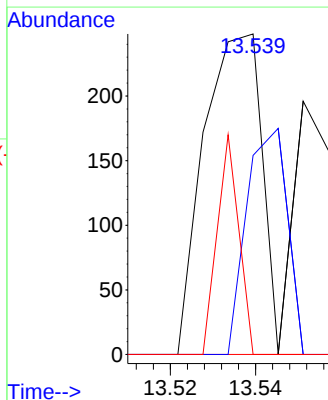
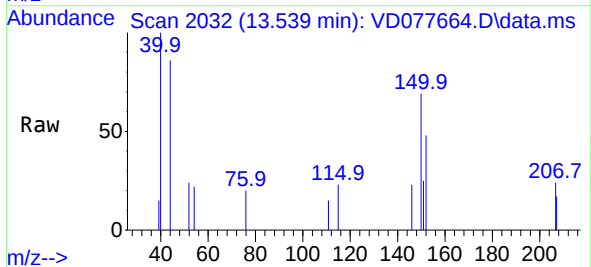
Instrument :
MSVOA_D
ClientSampleId :

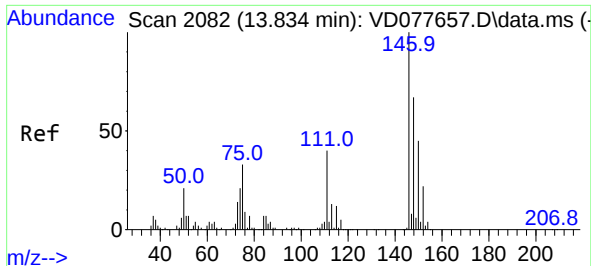
Tgt Ion:146 Resp: 234
Ion Ratio Lower Upper
146 100
111 62.1 27.2 50.6#
148 0.0 44.1 81.9#



#65
1,4-Dichlorobenzene
Concen: 0.703 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD077664.D
Acq: 22 Nov 2023 12:19

Tgt Ion:146 Resp: 234
Ion Ratio Lower Upper
146 100
111 62.1 25.6 47.4#
148 0.0 44.1 81.9#





#67

1,2-Dichlorobenzene

Concen: 0.429 ug/L

RT: 13.551 min Scan# 2082

Delta R.T. -0.282 min

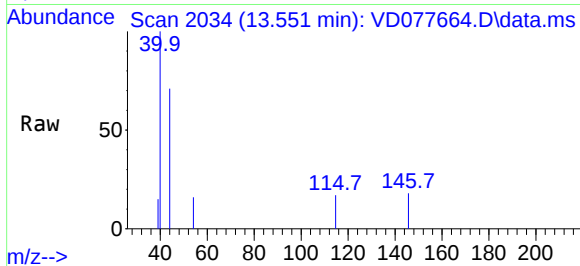
Lab File: VD077664.D

Acq: 22 Nov 2023 12:19

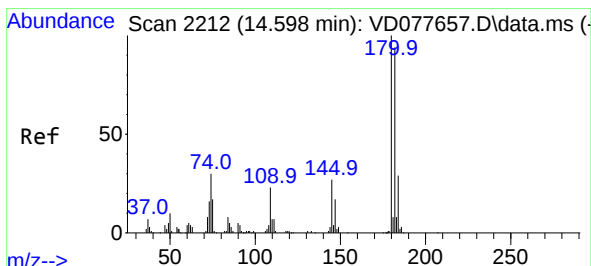
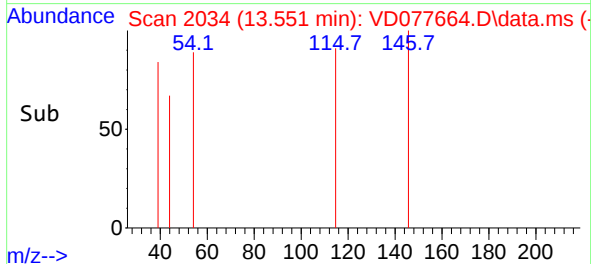
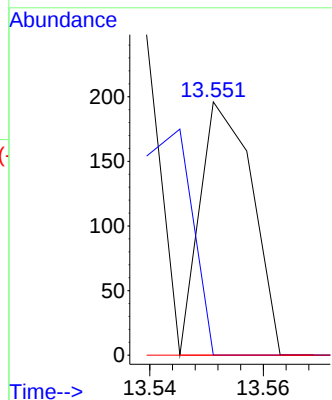
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	146	Resp:	125
Ion	Ratio	Lower	Upper
146	100		
111	0.0	33.8	50.6#
148	0.0	54.3	81.5#



#69

1,3,5-Trichlorobenzene

Concen: 0.832 ug/L

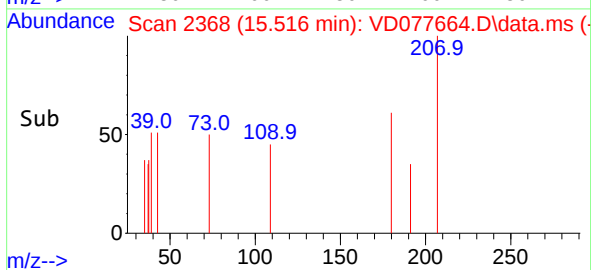
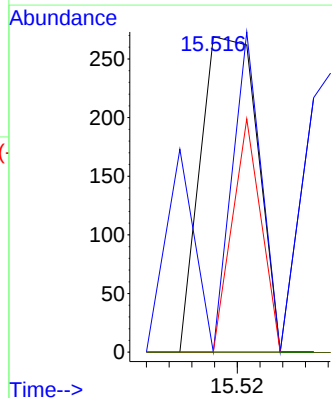
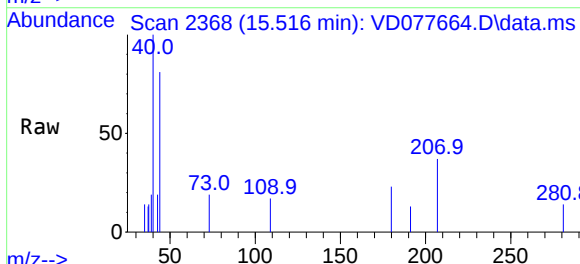
RT: 15.516 min Scan# 2368

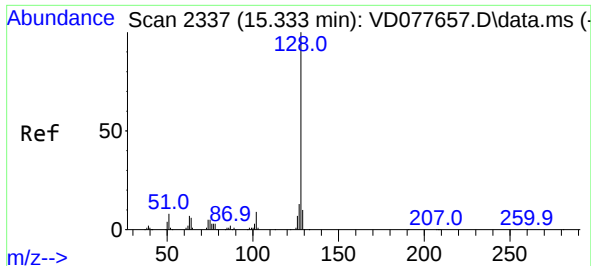
Delta R.T. 0.924 min

Lab File: VD077664.D

Acq: 22 Nov 2023 12:19

Tgt Ion:	180	Resp:	187
Ion	Ratio	Lower	Upper
180	100		
182	51.3	76.1	114.1#
184	0.0	24.0	36.0#
145	0.0	23.1	34.7#

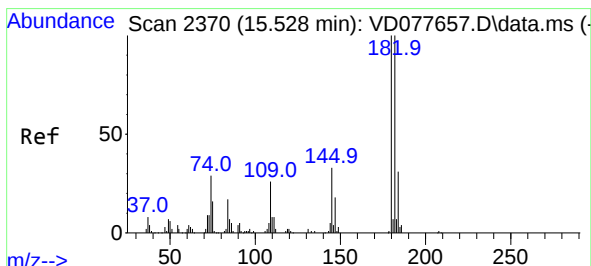
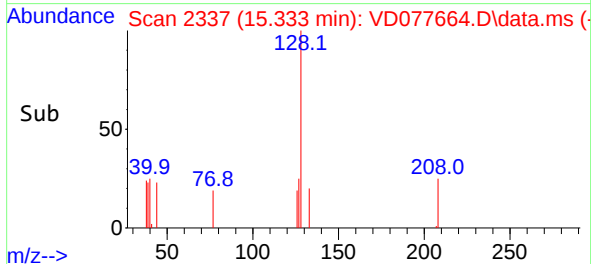
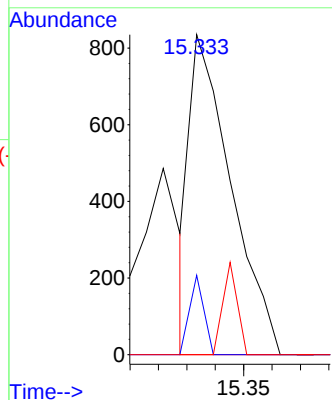
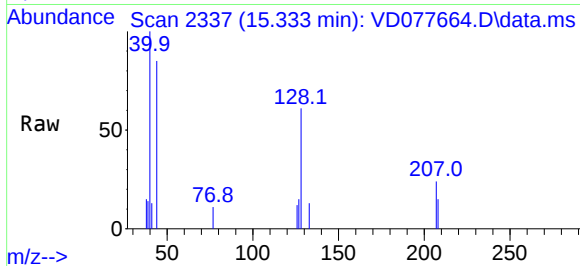




#71
Naphthalene
Concen: 2.360 ug/L
RT: 15.333 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD077664.D
Acq: 22 Nov 2023 12:19

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 842
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 9.0 13.6#



#72
1,2,3-Trichlorobenzene
Concen: 1.158 ug/L
RT: 15.516 min Scan# 2368
Delta R.T. -0.006 min
Lab File: VD077664.D
Acq: 22 Nov 2023 12:19

Tgt Ion:180 Resp: 187
Ion Ratio Lower Upper
180 100
182 51.3 76.8 115.2#
145 0.0 26.0 39.0#

