

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
 Data File : VD076668.D
 Acq On : 30 Jun 2023 17:54
 Operator : KP/SY
 Sample : 03472-22
 Misc : 6.74G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A46R3

Quant Time: Jul 03 01:31:36 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	203728	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	116257	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	33214	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	64821	13.065	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	52.280%
7) Chloroethane-d5	2.793	69	70648	17.610	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.440%
11) 1,1-Dichloroethene-d2	3.905	65	13851	10.695	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	42.800%#
21) 2-Butanone-d5	6.981	46	52904	70.408	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	140.820%#
24) Chloroform-d	7.563	84	116157	21.641	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.560%
26) 1,2-Dichloroethane-d4	8.228	65	67823	25.614	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.440%
32) Benzene-d6	8.199	84	196269	27.598	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.400%
36) 1,2-Dichloropropane-d6	9.204	67	73546	32.399	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	129.600%#
41) Toluene-d8	10.269	98	129095	19.604	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	78.400%
43) trans-1,3-Dichloroprop...	10.528	79	25929	27.462	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.840%
47) 2-Hexanone-d5	10.875	63	35534	100.842	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	201.680%#
56) 1,1,2,2-Tetrachloroeth...	12.651	84	51042	31.605	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	126.400%#
66) 1,2-Dichlorobenzene-d4	13.816	152	24162	19.847	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	79.400%
Target Compounds						
					Qvalue	
13) Acetone	4.022	43	41856	68.968	ug/L	72
14) Carbon disulfide	4.269	76	7053	0.736	ug/L	97
16) Methylene chloride	4.793	84	3102	0.876	ug/L	87
18) Methyl tert-butyl Ether	5.310	73	2296	0.342	ug/L #	64
22) 2-Butanone	7.087	43	19577	19.989	ug/L	90
25) Chloroform	7.599	83	2428	0.462	ug/L	100
34) Trichloroethene	8.775	95	5859	2.964	ug/L #	4
35) Methylcyclohexane	9.257	83	1317	0.413	ug/L #	1
37) 1,2-Dichloropropane	9.210	63	8296	3.955	ug/L #	88
45) 1,1,2-Trichloroethane	10.704	97	874	0.607	ug/L #	16
54) o-Xylene	12.116	106	1311	0.395	ug/L	88
57) 1,1,2,2-Tetrachloroethane	12.651	83	1450	0.882	ug/L #	30
60) Isopropylbenzene	12.416	105	3646	0.718	ug/L #	57
61) 1,2,3-Trichloropropane	13.522	75	4067	6.309	ug/L	96
62) 1,3,5-Trimethylbenzene	13.545	105	1238	0.305	ug/L	93
63) 1,2,4-Trimethylbenzene	13.545	105	1238	0.309	ug/L	89
68) 1,2-Dibromo-3-chloropr...	14.757	75	2354	16.387	ug/L #	32
70) 1,2,4-trichlorobenzene	15.098	180	1626	1.212	ug/L #	1
71) Naphthalene	15.339	128	1018	0.396	ug/L #	41

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Quant Title : SFAM01.0
QLast Update : Fri Jun 16 01:50:34 2023
Response via : Initial Calibration

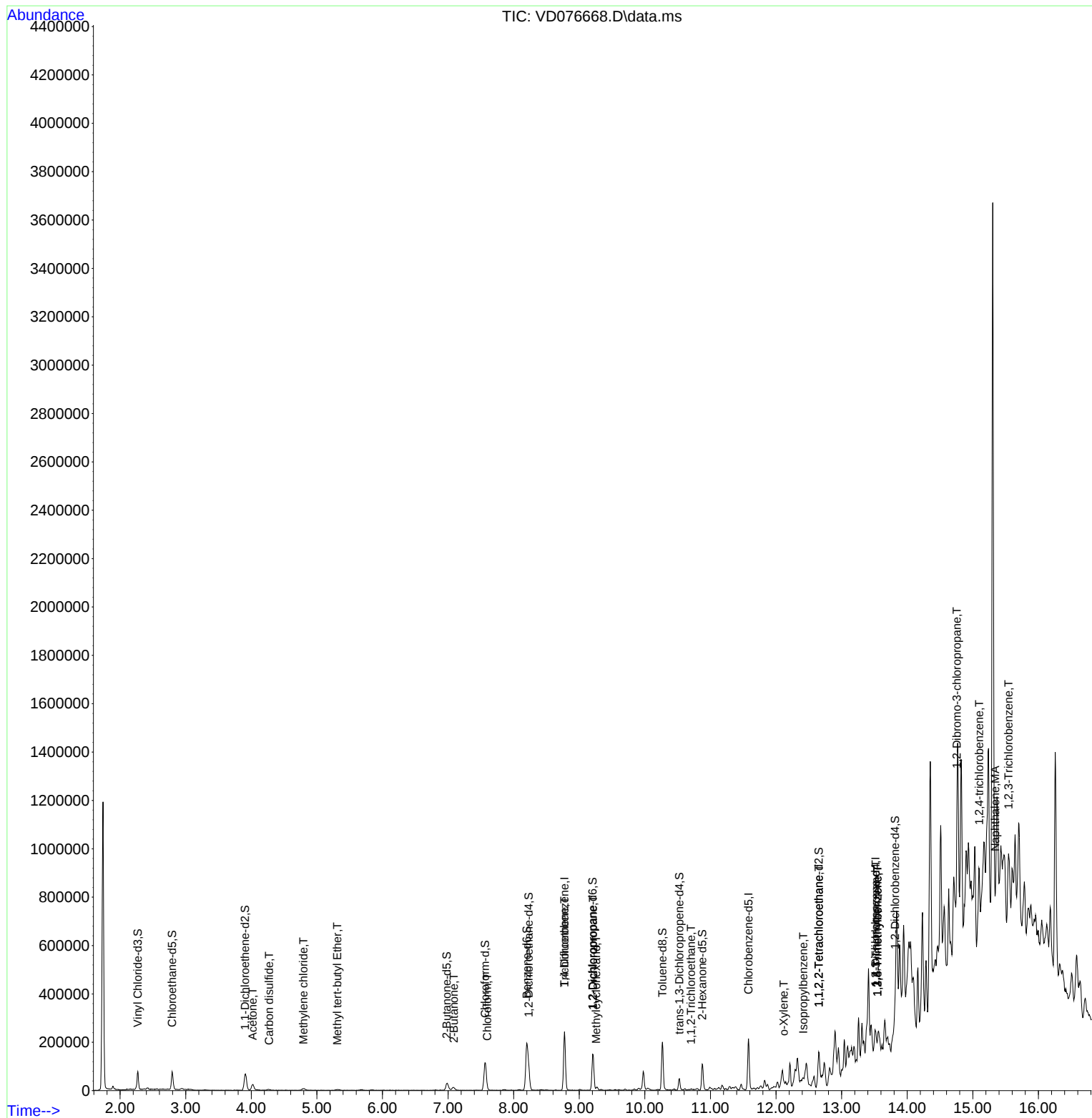
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	15.545	180	5398	4.634	ug/L	# 80

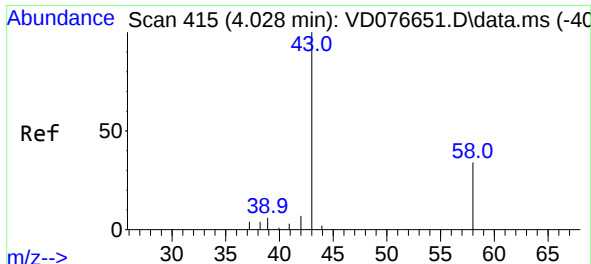
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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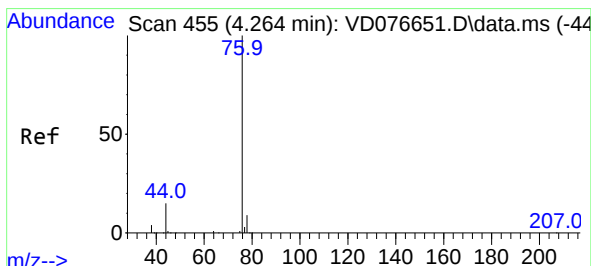
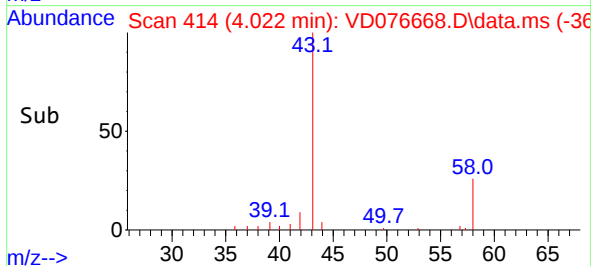
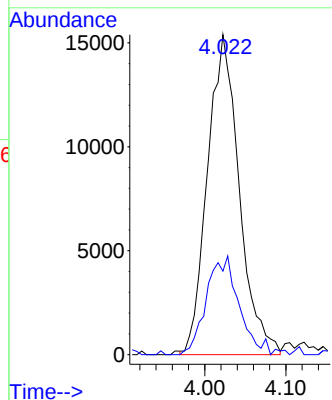
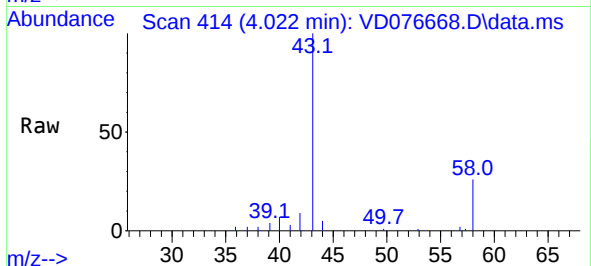




#13
Acetone
Concen: 68.968 ug/L
RT: 4.022 min Scan# 415
Delta R.T. -0.000 min
Lab File: VD076668.D
Acq: 30 Jun 2023 17:54

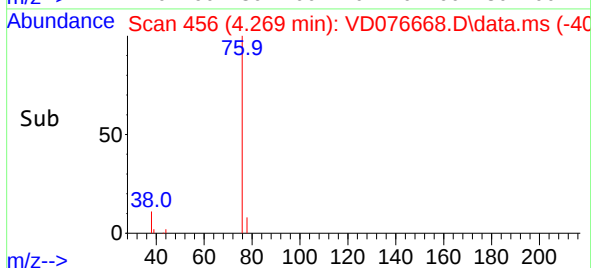
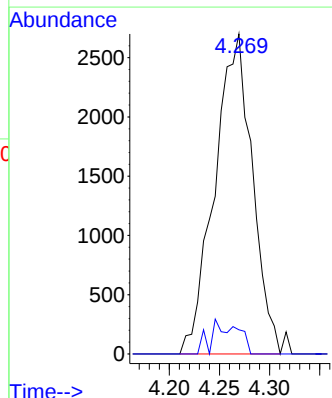
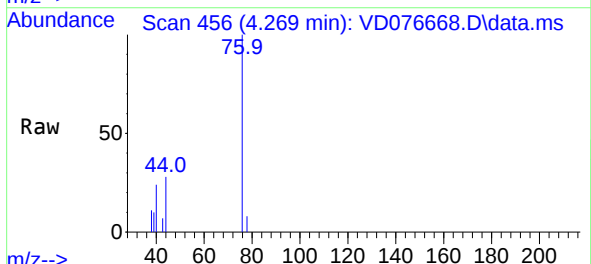
Instrument :
MSVOA_D
ClientSampleId :
A46R3

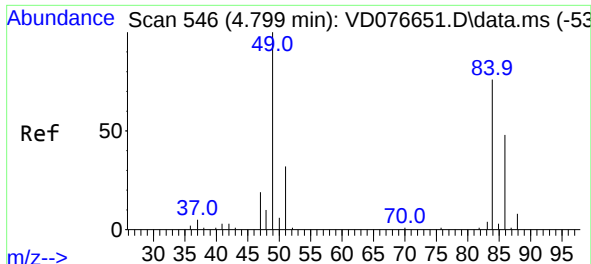
Tgt Ion: 43 Resp: 41856
Ion Ratio Lower Upper
43 100
58 17.4 0.0 67.4



#14
Carbon disulfide
Concen: 0.736 ug/L
RT: 4.269 min Scan# 456
Delta R.T. 0.006 min
Lab File: VD076668.D
Acq: 30 Jun 2023 17:54

Tgt Ion: 76 Resp: 7053
Ion Ratio Lower Upper
76 100
78 7.6 7.0 10.4

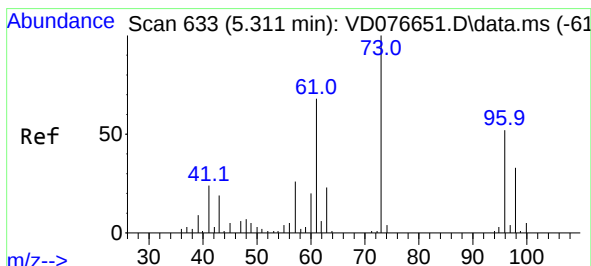
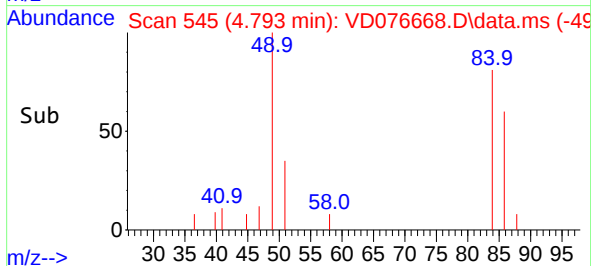
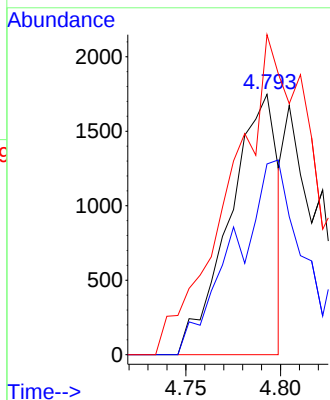
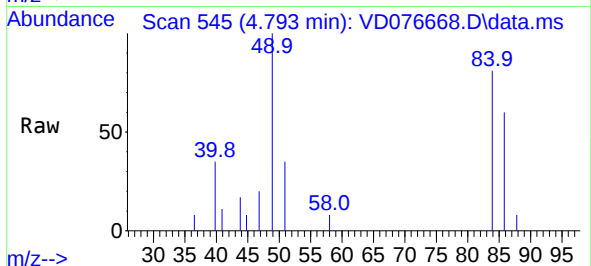




#16
Methylene chloride
Concen: 0.876 ug/L
RT: 4.793 min Scan# 546
Delta R.T. 0.006 min
Lab File: VD076668.D
Acq: 30 Jun 2023 17:54

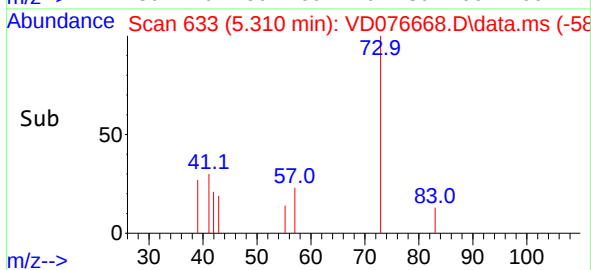
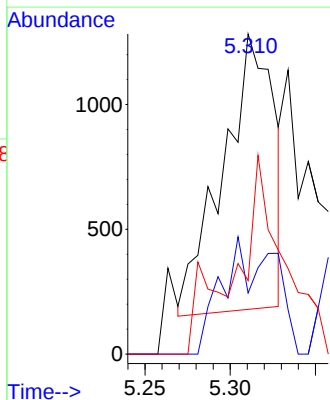
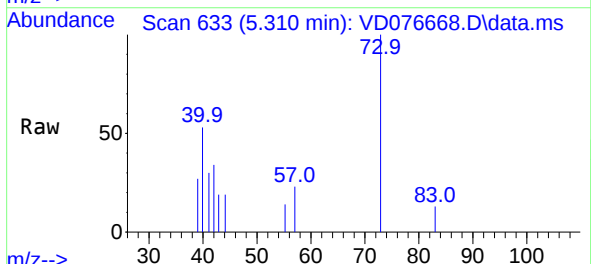
Instrument :
MSVOA_D
ClientSampleId :
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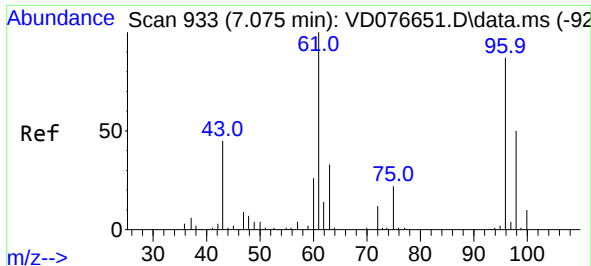
Tgt Ion: 84 Resp: 3102
Ion Ratio Lower Upper
84 100
86 73.2 45.1 83.9
49 122.9 97.2 180.6



#18
Methyl tert-butyl Ether
Concen: 0.342 ug/L
RT: 5.310 min Scan# 633
Delta R.T. -0.006 min
Lab File: VD076668.D
Acq: 30 Jun 2023 17:54

Tgt Ion: 73 Resp: 2296
Ion Ratio Lower Upper
73 100
43 20.4 7.2 10.8#
57 41.9 18.6 28.0#

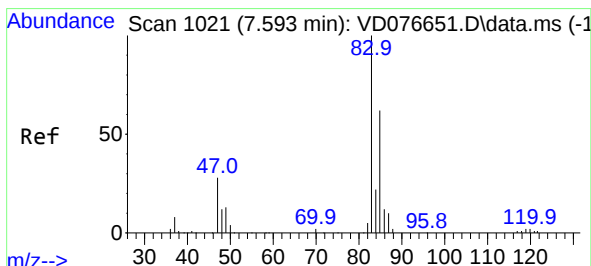
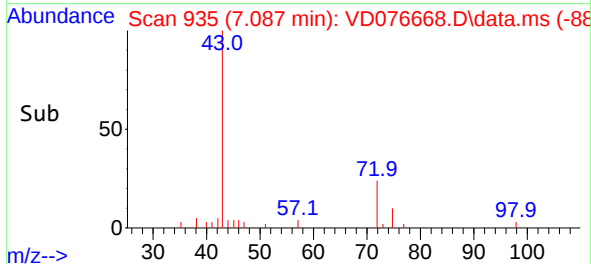
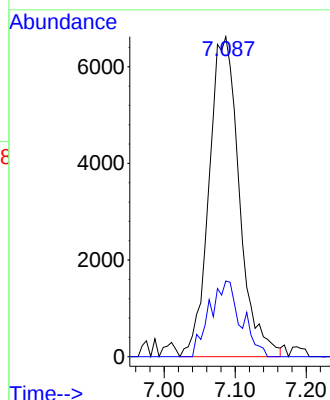
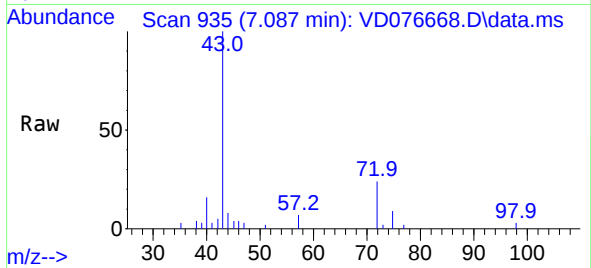




#22
2-Butanone
Concen: 19.989 ug/L
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD076668.D
Acq: 30 Jun 2023 17:54

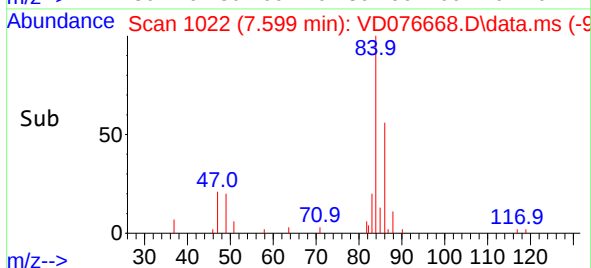
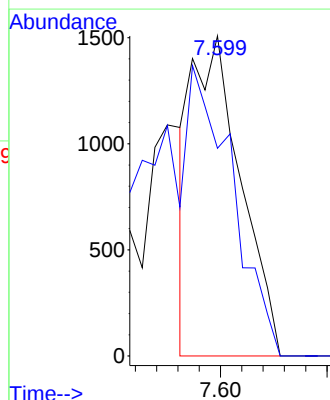
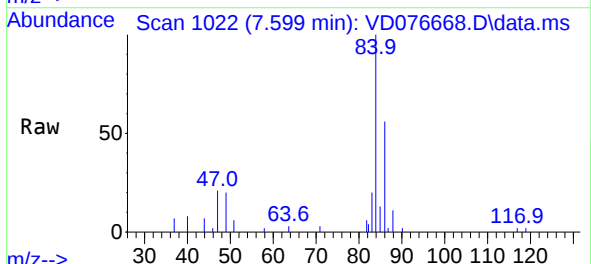
Instrument :
MSVOA_D
ClientSampleId :
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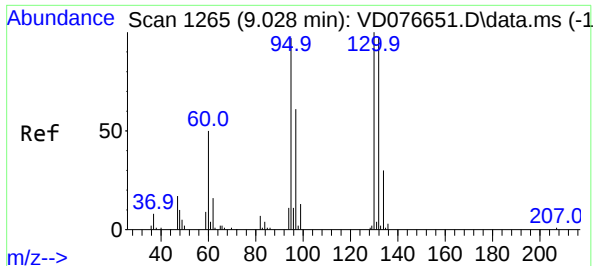
Tgt Ion: 43 Resp: 19577
Ion Ratio Lower Upper
43 100
72 21.0 12.9 38.7



#25
Chloroform
Concen: 0.462 ug/L
RT: 7.599 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VD076668.D
Acq: 30 Jun 2023 17:54

Tgt Ion: 83 Resp: 2428
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.4

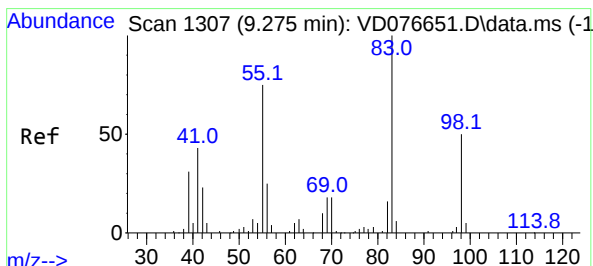
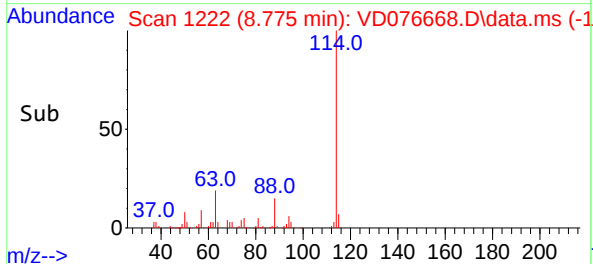
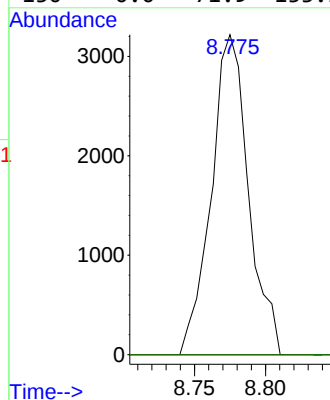
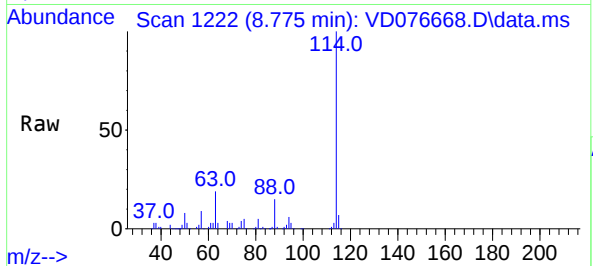




#34
Trichloroethene
Concen: 2.964 ug/L
RT: 8.775 min Scan# 11
Delta R.T. -0.253 min
Lab File: VD076668.D
Acq: 30 Jun 2023 17:54

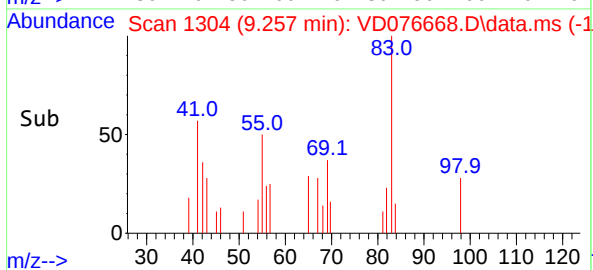
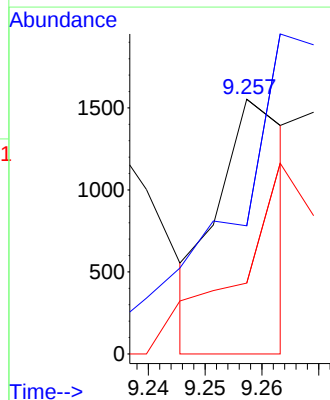
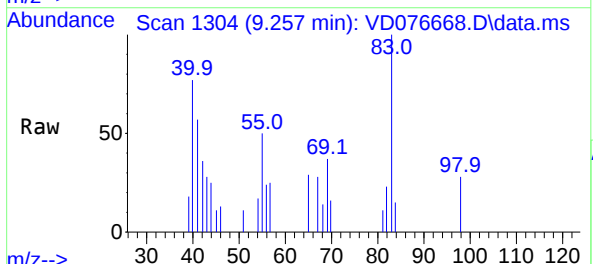
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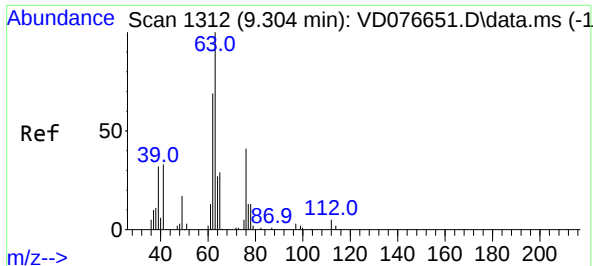
Tgt Ion: 95	Resp: 5859
Ion Ratio	Lower Upper
95 100	
97 0.0	43.1 80.1#
132 0.0	71.8 133.4#
130 0.0	71.9 133.5#



#35
Methylcyclohexane
Concen: 0.413 ug/L
RT: 9.257 min Scan# 1304
Delta R.T. -0.012 min
Lab File: VD076668.D
Acq: 30 Jun 2023 17:54

Tgt Ion: 83	Resp: 1317
Ion Ratio	Lower Upper
83 100	
55 300.6	59.8 89.6#
98 137.2	37.8 56.6#

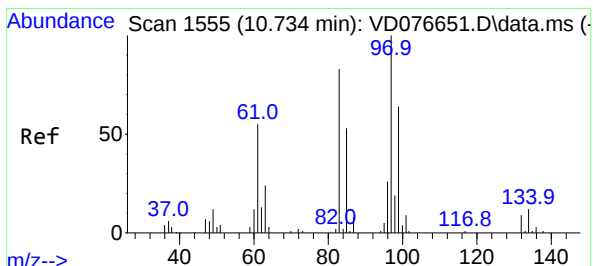
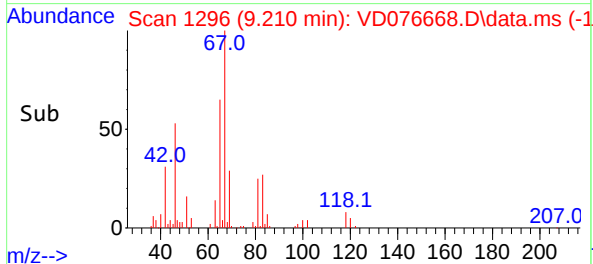
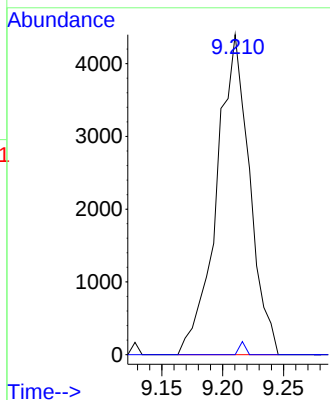
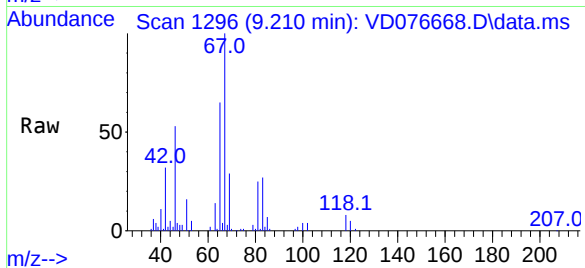




#37
1,2-Dichloropropane
Concen: 3.955 ug/L
RT: 9.210 min Scan# 11
Delta R.T. -0.094 min
Lab File: VD076668.D
Acq: 30 Jun 2023 17:54

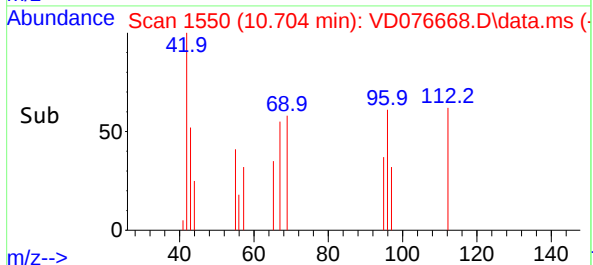
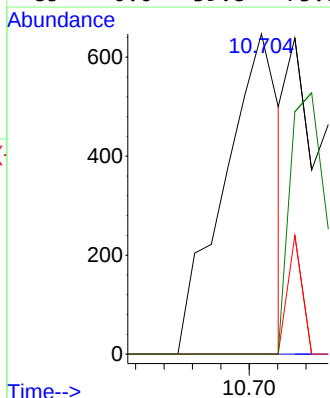
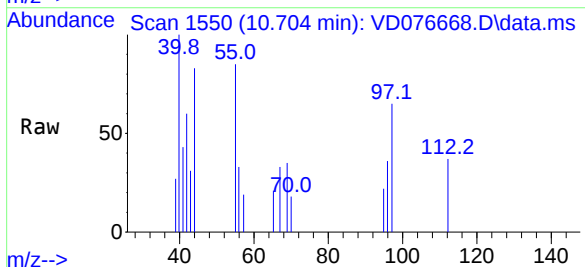
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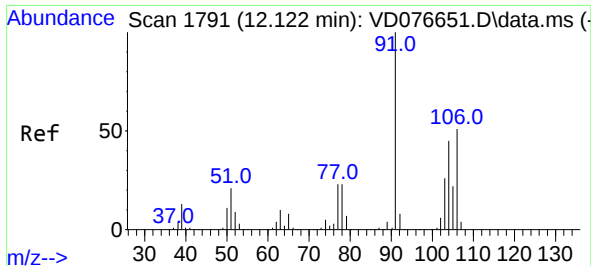
Tgt Ion: 63 Resp: 8296
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



#45
1,1,2-Trichloroethane
Concen: 0.607 ug/L
RT: 10.704 min Scan# 1550
Delta R.T. -0.030 min
Lab File: VD076668.D
Acq: 30 Jun 2023 17:54

Tgt Ion: 97 Resp: 874
Ion Ratio Lower Upper
97 100
99 0.0 41.9 77.9#
83 0.0 59.2 110.0#
85 0.0 39.8 73.8#

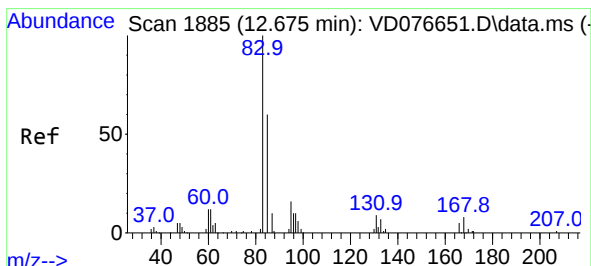
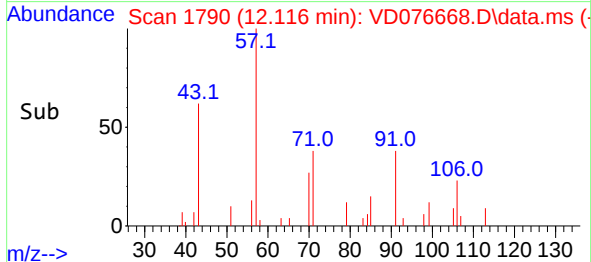
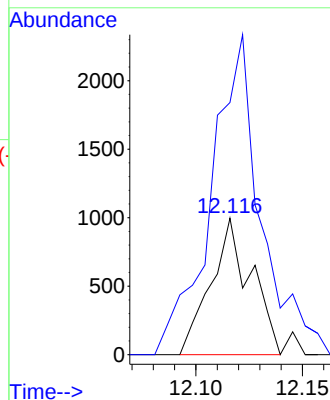
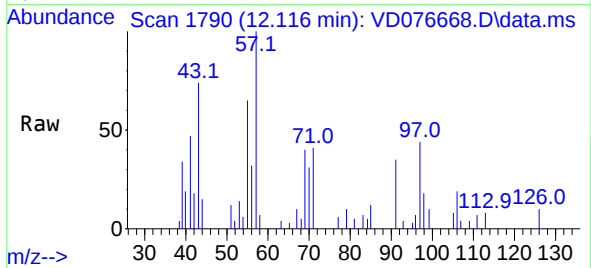




#54
o-Xylene
Concen: 0.395 ug/L
RT: 12.116 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VD076668.D
Acq: 30 Jun 2023 17:54

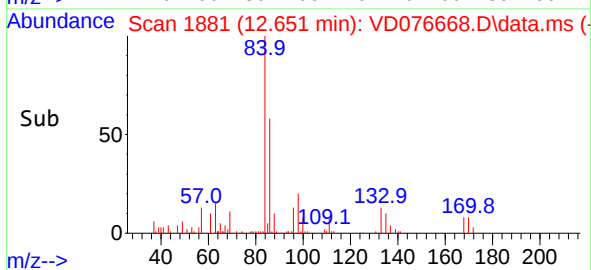
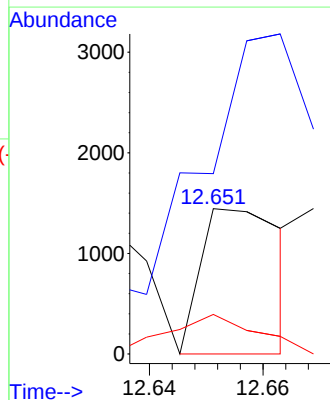
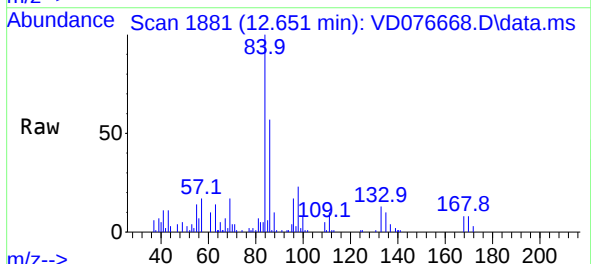
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A46R3

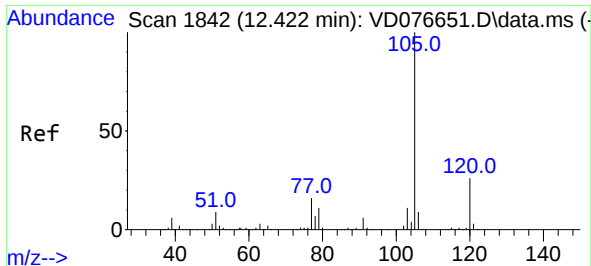
Tgt Ion:106 Resp: 1311
Ion Ratio Lower Upper
106 100
91 184.8 142.2 264.2



#57
1,1,2,2-Tetrachloroethane
Concen: 0.882 ug/L
RT: 12.651 min Scan# 1881
Delta R.T. -0.024 min
Lab File: VD076668.D
Acq: 30 Jun 2023 17:54

Tgt Ion: 83 Resp: 1450
Ion Ratio Lower Upper
83 100
85 124.1 46.3 86.1#
131 27.2 7.0 10.4#

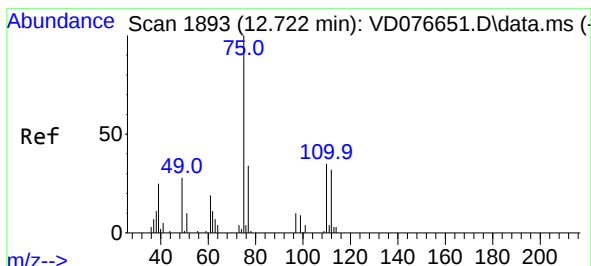
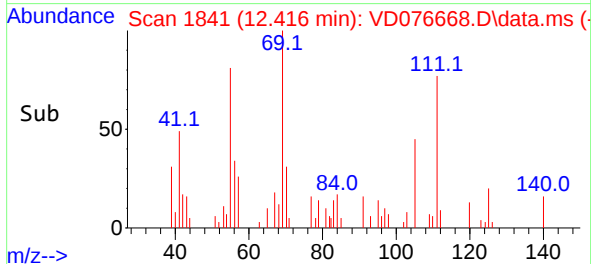
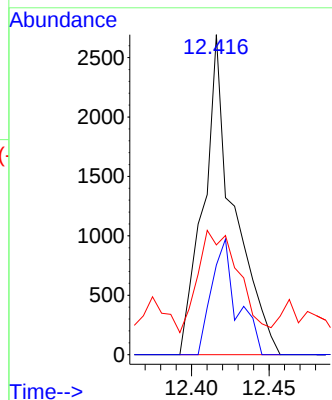
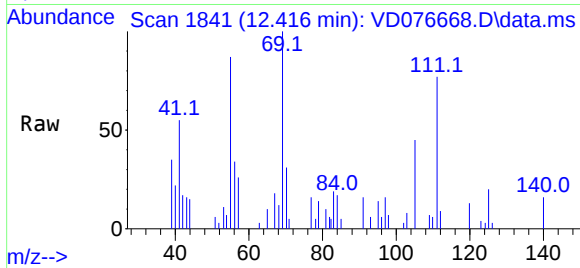




#60
Isopropylbenzene
Concen: 0.718 ug/L
RT: 12.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD076668.D
Acq: 30 Jun 2023 17:54

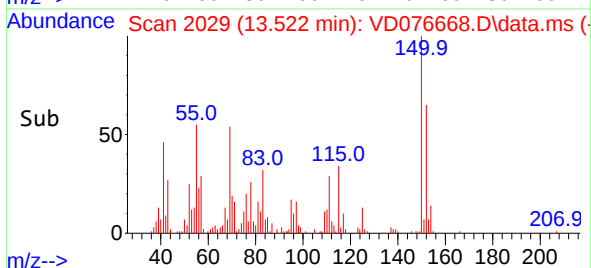
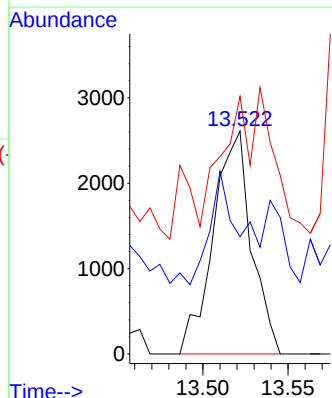
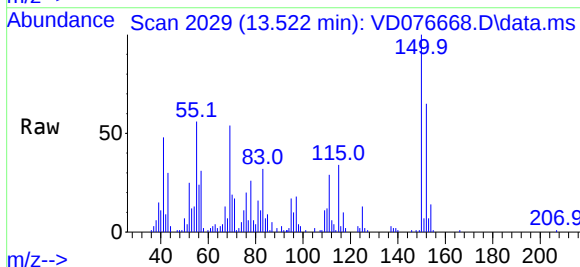
Instrument :
MSVOA_D
ClientSampleId :
A46R3

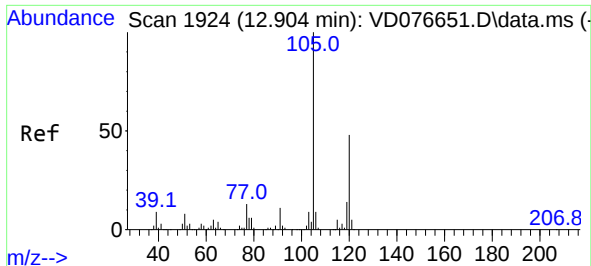
Tgt Ion:	105	Resp:	3646
Ion Ratio	Lower	Upper	
105	100		
120	23.4	21.3	31.9
77	60.3	12.2	18.4#



#61
1,2,3-Trichloropropane
Concen: 6.309 ug/L
RT: 13.522 min Scan# 2029
Delta R.T. 0.794 min
Lab File: VD076668.D
Acq: 30 Jun 2023 17:54

Tgt Ion:	75	Resp:	4067
Ion Ratio	Lower	Upper	
75	100		
77	30.8	27.2	40.8
110	41.0	31.8	47.6

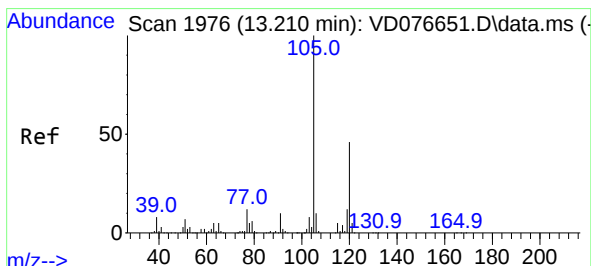
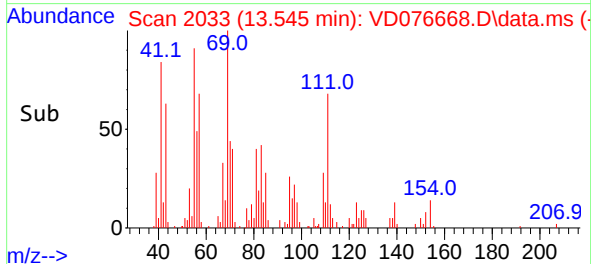
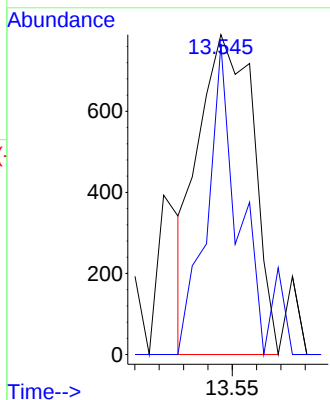
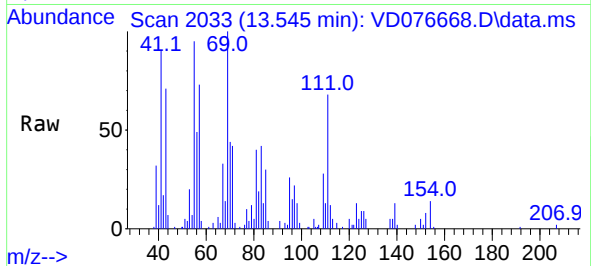




#62
1,3,5-Trimethylbenzene
Concen: 0.305 ug/L
RT: 13.545 min Scan# 2033
Delta R.T. 0.641 min
Lab File: VD076668.D
Acq: 30 Jun 2023 17:54

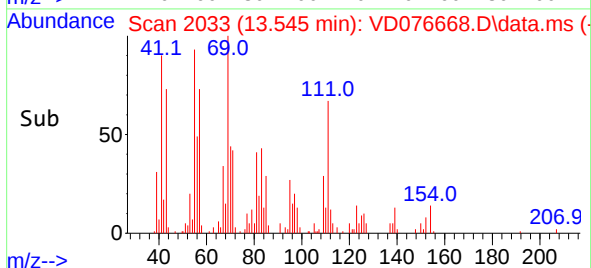
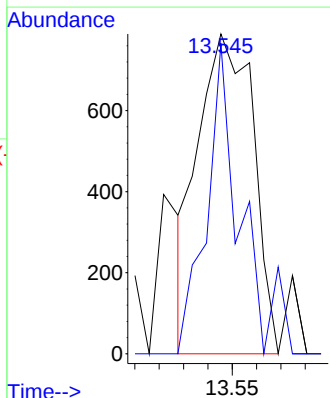
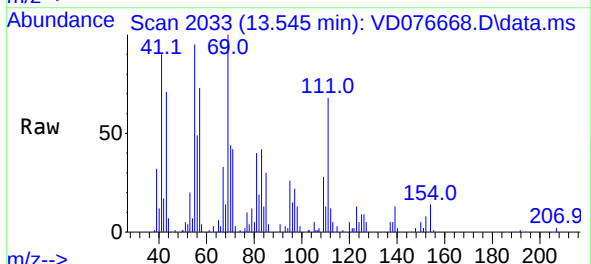
Instrument :
MSVOA_D
ClientSampleId :
A46R3

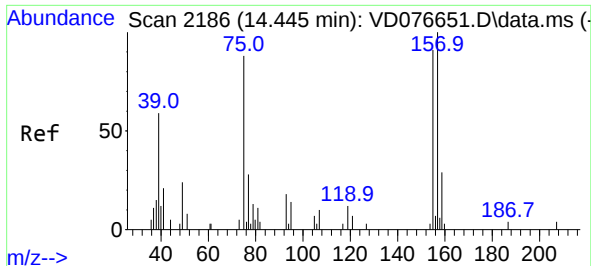
Tgt Ion:105 Resp: 1238
Ion Ratio Lower Upper
105 100
120 54.4 39.8 59.6



#63
1,2,4-Trimethylbenzene
Concen: 0.309 ug/L
RT: 13.545 min Scan# 2033
Delta R.T. 0.335 min
Lab File: VD076668.D
Acq: 30 Jun 2023 17:54

Tgt Ion:105 Resp: 1238
Ion Ratio Lower Upper
105 100
120 54.4 37.5 56.3

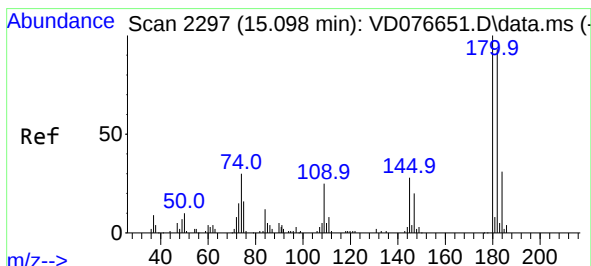
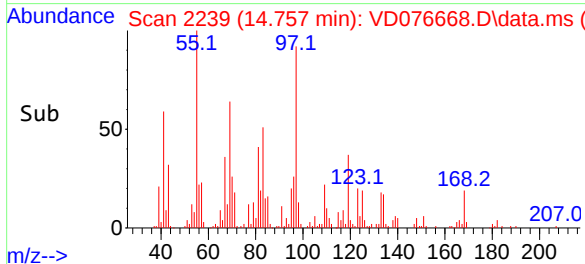
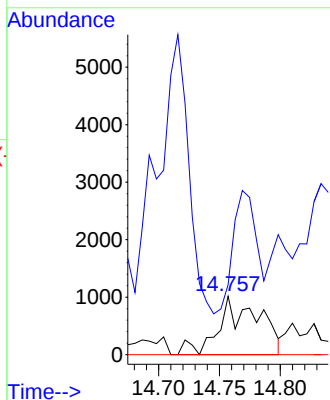
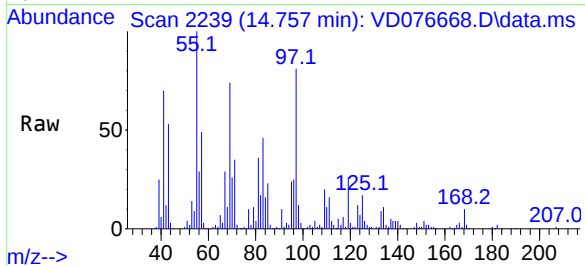




#68
1,2-Dibromo-3-chloropropane
Concen: 16.387 ug/L
RT: 14.757 min Scan# 2186
Delta R.T. 0.312 min
Lab File: VD076668.D
Acq: 30 Jun 2023 17:54

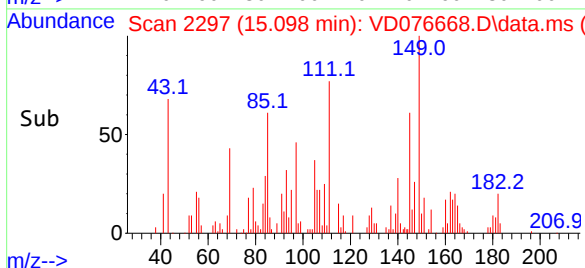
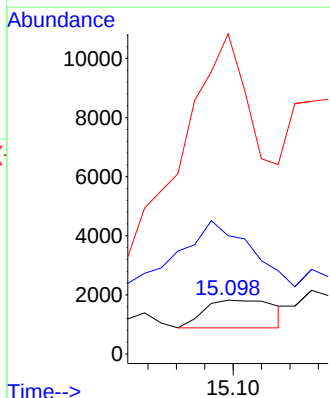
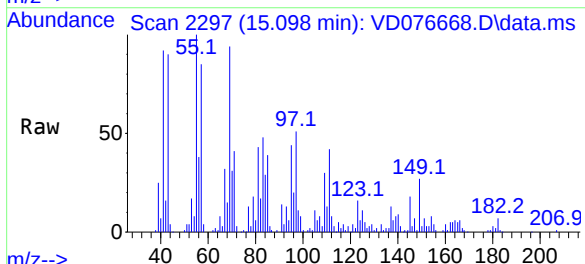
Instrument :
MSVOA_D
ClientSampleId :
A46R3

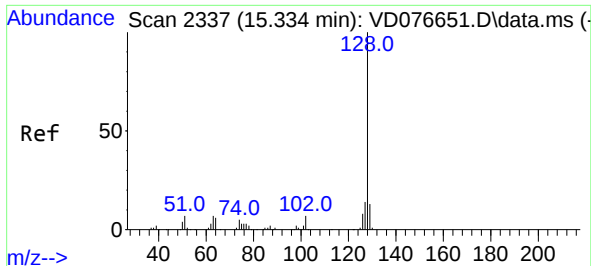
Tgt Ion: 75 Resp: 2354
Ion Ratio Lower Upper
75 100
155 119.9 76.2 114.4#
157 0.0 89.4 134.2#



#70
1,2,4-trichlorobenzene
Concen: 1.212 ug/L
RT: 15.098 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VD076668.D
Acq: 30 Jun 2023 17:54

Tgt Ion:180 Resp: 1626
Ion Ratio Lower Upper
180 100
182 449.9 76.9 115.3#
145 1477.1 23.5 35.3#

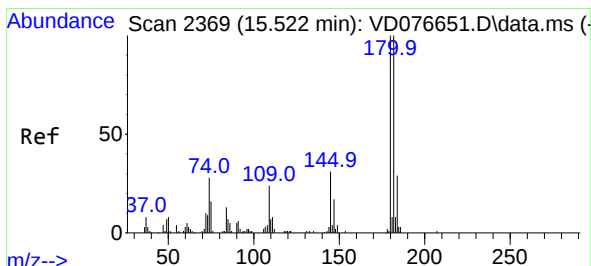
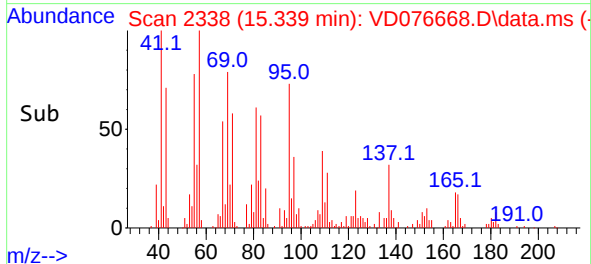
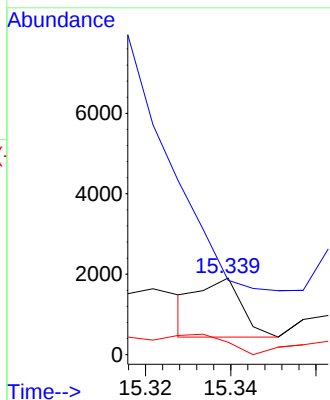
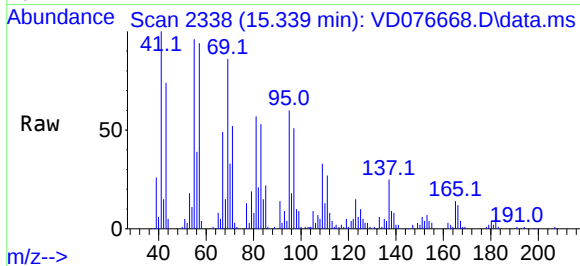




#71
Naphthalene
Concen: 0.396 ug/L
RT: 15.339 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD076668.D
Acq: 30 Jun 2023 17:54

Instrument :
MSVOA_D
ClientSampleId :
A46R3

Tgt Ion:128 Resp: 1018
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 44.8 8.6 12.8#



#72
1,2,3-Trichlorobenzene
Concen: 4.634 ug/L
RT: 15.545 min Scan# 2373
Delta R.T. 0.023 min
Lab File: VD076668.D
Acq: 30 Jun 2023 17:54

Tgt Ion:180 Resp: 5398
Ion Ratio Lower Upper
180 100
182 72.6 74.3 111.5#
145 40.9 25.0 37.6#

