

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102321\
 Data File : VW023020.D
 Acq On : 23 Oct 2021 19:23
 Operator : SY/MD
 Sample : M4277-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 25 01:09:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Oct 25 01:03:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	78221	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	81716	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	33729	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	34976	5.117	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.400%
7) Chloroethane-d5	1.558	69	20007	4.732	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.600%
11) 1,1-Dichloroethene-d2	2.098	63	43417	4.403	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.000%
20) 2-Butanone-d5	3.886	46	88291	80.524	ug/L	-0.06
Spiked Amount	50.000	Range	40 - 130	Recovery	=	161.040%#
24) Chloroform-d	4.349	84	60073	5.406	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.200%
26) 1,2-Dichloroethane-d4	5.034	65	31520	6.018	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	120.400%
32) Benzene-d6	5.050	84	119517	5.010	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
36) 1,2-Dichloropropane-d6	6.072	67	37690	5.132	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.600%
41) Toluene-d8	7.317	98	93905	4.382	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.600%
43) trans-1,3-Dichloroprop...	7.628	79	11705	4.549	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.000%
46) 2-Hexanone-d5	8.091	63	58840	61.762	ug/L	-0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.520%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	31565	6.224	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	124.400%#
66) 1,2-Dichlorobenzene-d4	11.628	152	35302	5.866	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.236	50	467	0.087	ug/L	84
5) Vinyl chloride	1.307	62	381	0.069	ug/L #	1
6) Bromomethane	1.516	94	220	0.079	ug/L #	63
8) Chloroethane	1.581	64	282	0.097	ug/L #	23
10) 1,1,2-Trichloro-1,2,2-...	2.101	101	477	0.112	ug/L #	18
12) 1,1-Dichloroethene	2.101	96	476	0.119	ug/L #	1
13) Acetone	2.169	43	72753	135.244	ug/L	89
14) Carbon disulfide	2.288	76	939	0.086	ug/L #	82
15) Methyl Acetate	2.314	43	9416	4.601	ug/L #	51
16) Methylene chloride	2.503	84	2036	0.463	ug/L	93
22) cis-1,2-Dichloroethene	3.912	96	14866	3.067	ug/L #	92
27) 1,2-Dichloroethane	5.053	62	793	0.145	ug/L #	72
34) Trichloroethene	5.928	95	1950	0.353	ug/L	94
35) Methylcyclohexane	6.069	83	9359	1.183	ug/L #	18
37) 1,2-Dichloropropane	6.069	63	4063	0.733	ug/L #	83
39) cis-1,3-Dichloropropene	6.985	75	824	0.119	ug/L #	61
42) Toluene	7.400	91	3421	0.154	ug/L	78
47) Tetrachloroethene	7.976	164	7918	1.697	ug/L	95
48) 2-Hexanone	8.153	43	3824	1.974	ug/L #	91

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Oct 25 01:03:32 2021
Response via : Initial Calibration

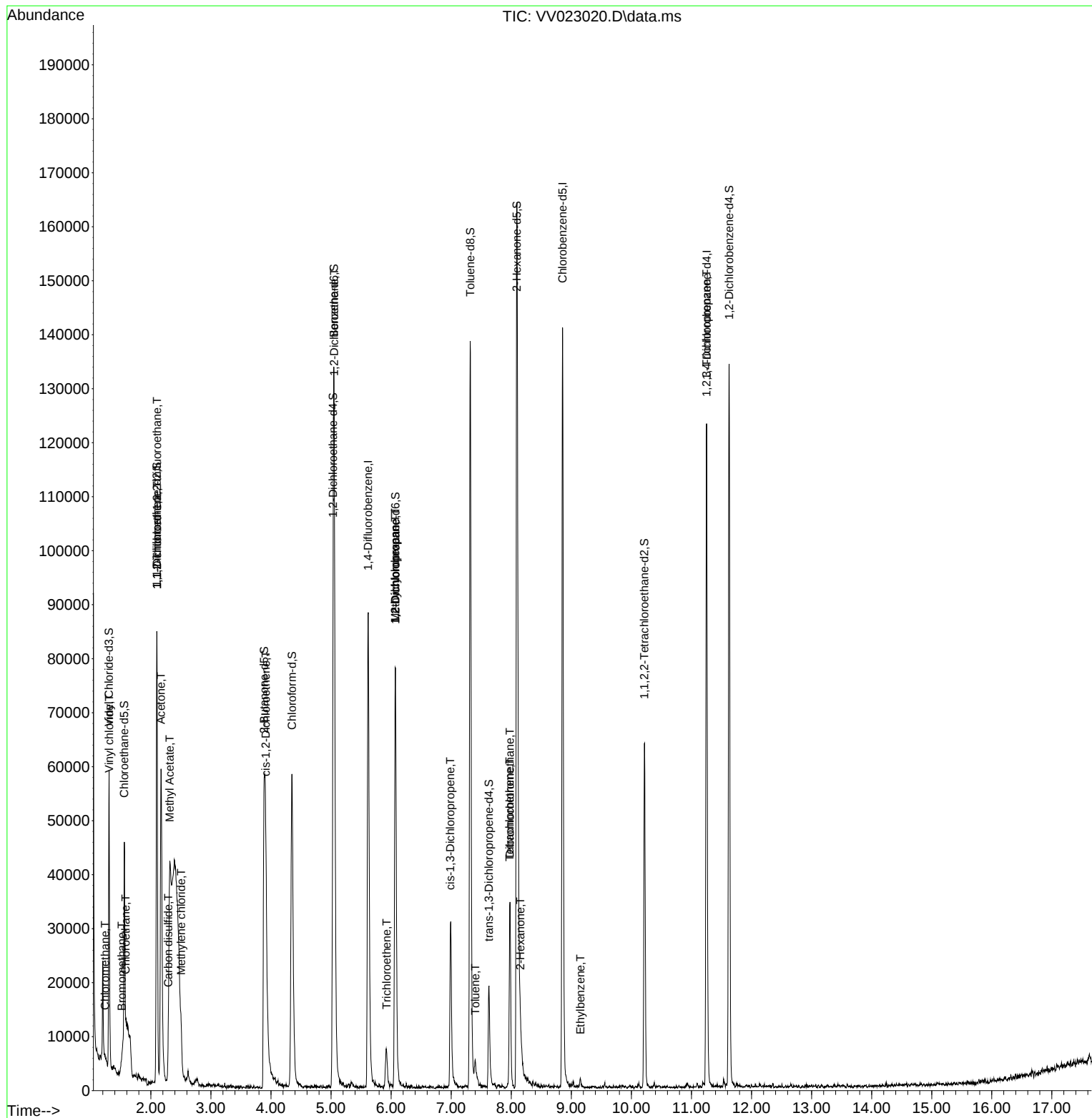
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	7.979	129	6950	1.506	ug/L #	10
52) Ethylbenzene	9.153	91	1288	0.058	ug/L	96
61) 1,2,3-Trichloropropane	11.249	75	3713	1.564	ug/L #	64

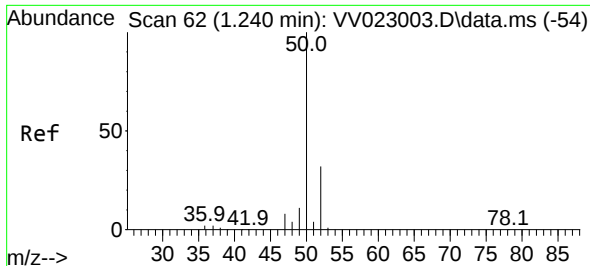
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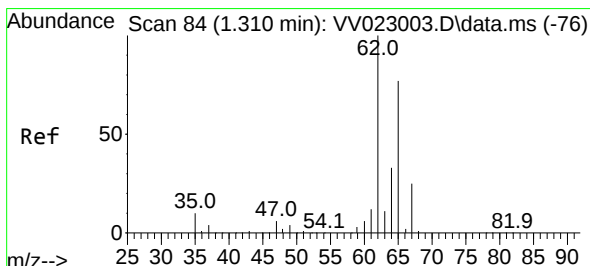
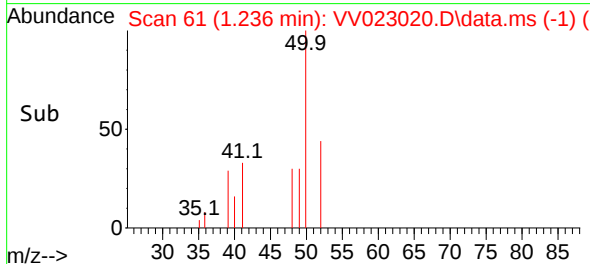
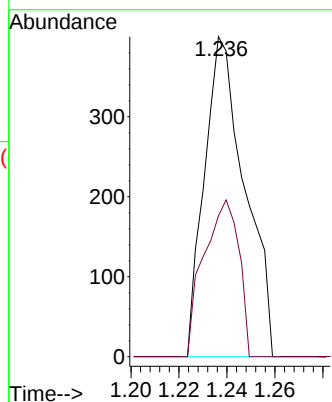
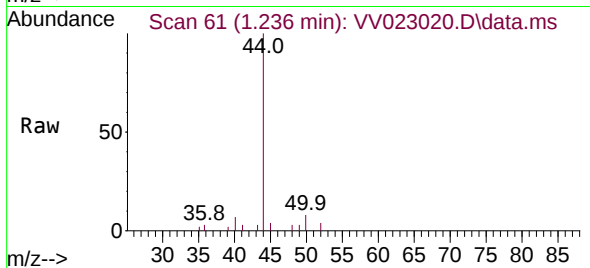




#3
Chloromethane
Concen: 0.087 ug/L
RT: 1.236 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV023020.D
Acq: 23 Oct 2021 19:23

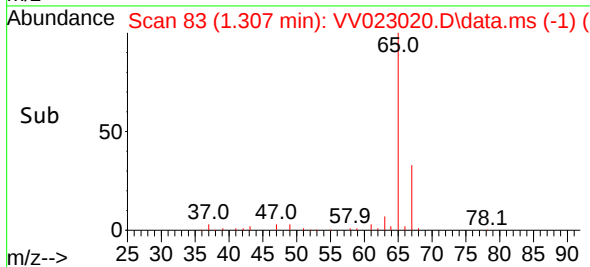
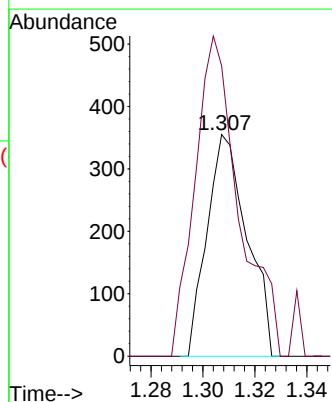
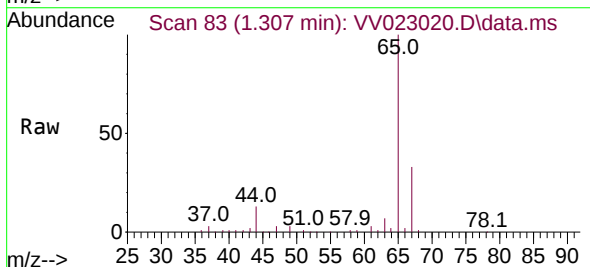
Instrument :
MSVOA_V
ClientSampleId :

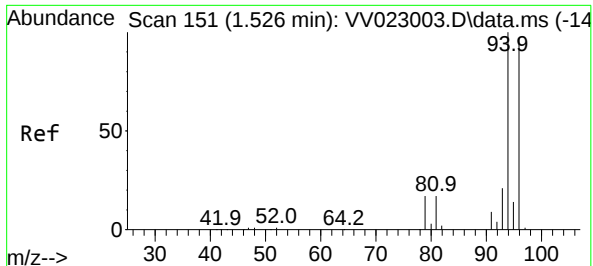
Tgt Ion: 50 Resp: 467
Ion Ratio Lower Upper
50 100
52 44.0 24.3 45.1



#5
Vinyl chloride
Concen: 0.069 ug/L
RT: 1.307 min Scan# 83
Delta R.T. -0.003 min
Lab File: VV023020.D
Acq: 23 Oct 2021 19:23

Tgt Ion: 62 Resp: 381
Ion Ratio Lower Upper
62 100
64 131.0 23.1 42.9#

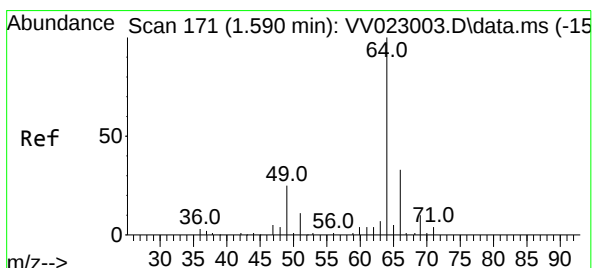
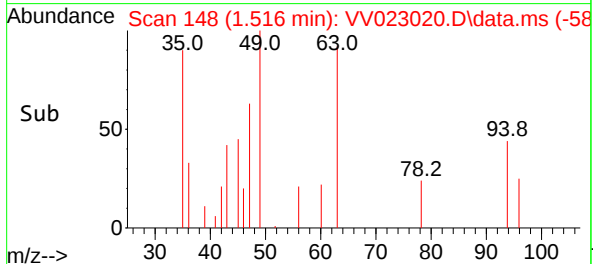
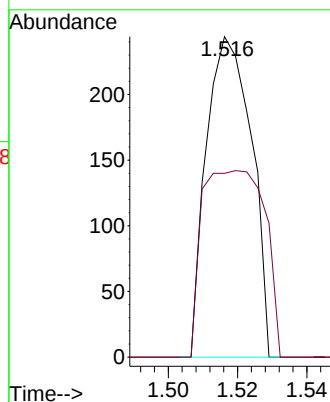
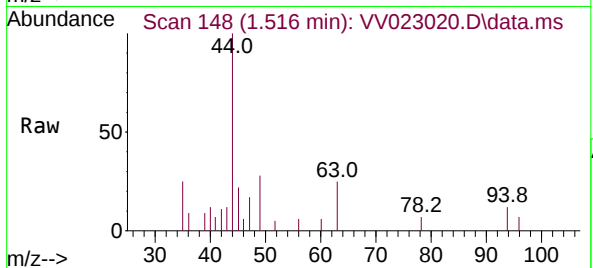




#6
Bromomethane
Concen: 0.079 ug/L
RT: 1.516 min Scan# 14
Delta R.T. -0.010 min
Lab File: VV023020.D
Acq: 23 Oct 2021 19:23

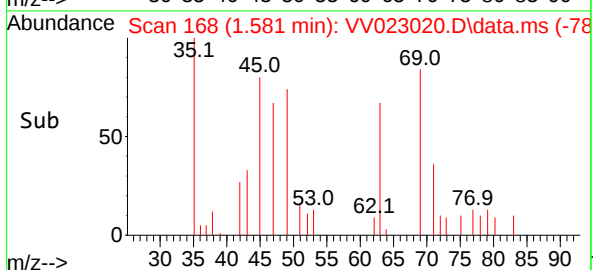
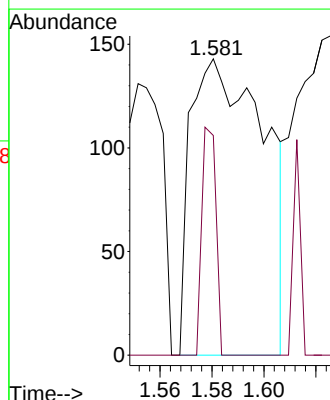
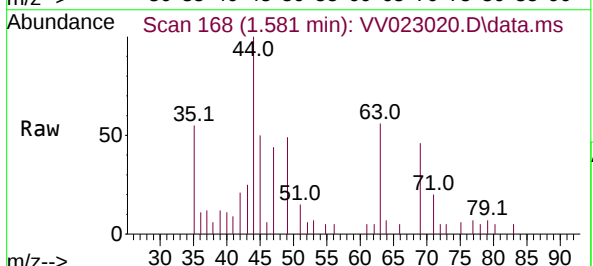
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ClientSampleId :

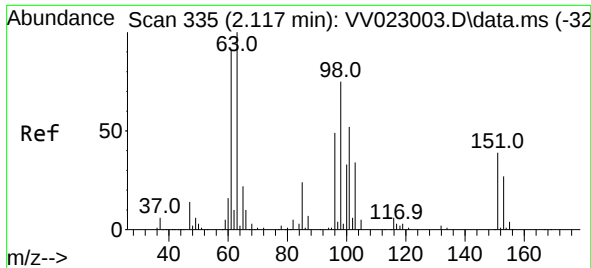
Tgt Ion: 94 Resp: 220
Ion Ratio Lower Upper
94 100
96 57.4 65.0 120.8#



#8
Chloroethane
Concen: 0.097 ug/L
RT: 1.581 min Scan# 168
Delta R.T. -0.010 min
Lab File: VV023020.D
Acq: 23 Oct 2021 19:23

Tgt Ion: 64 Resp: 282
Ion Ratio Lower Upper
64 100
66 74.1 22.1 41.1#

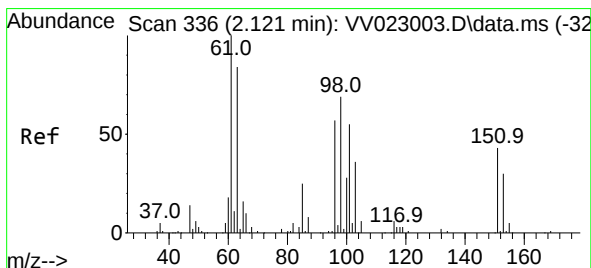
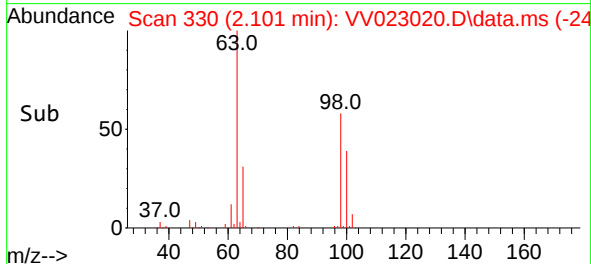
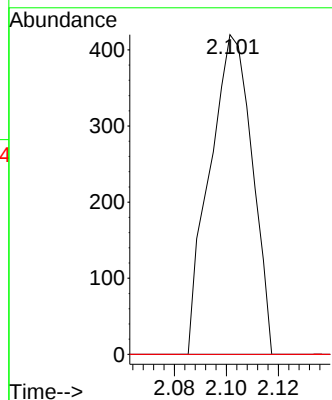
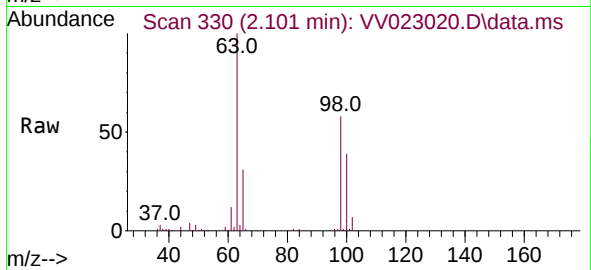




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.112 ug/L
RT: 2.101 min Scan# 330
Delta R.T. -0.016 min
Lab File: VV023020.D
Acq: 23 Oct 2021 19:23

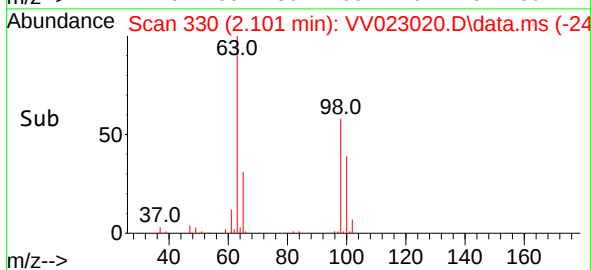
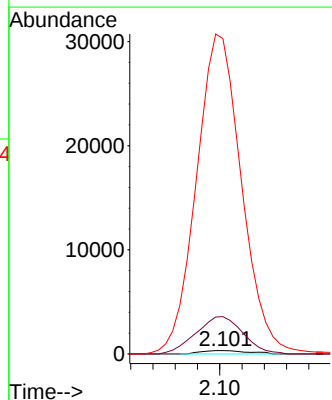
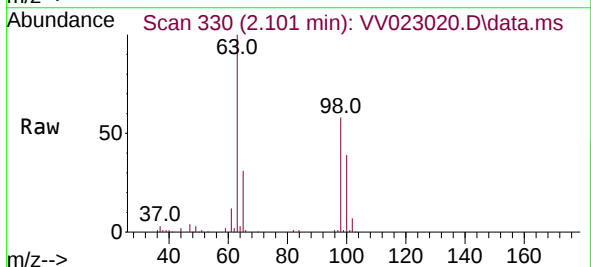
Instrument :
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ClientSampleId :

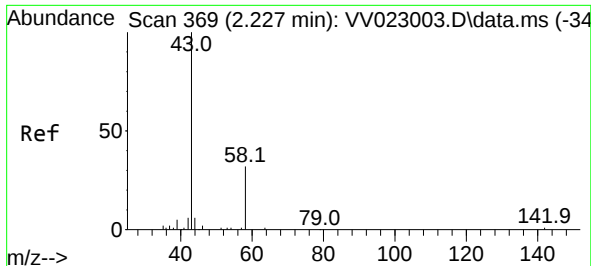
Tgt Ion:101 Resp: 477
Ion Ratio Lower Upper
101 100
85 0.0 35.3 52.9#
151 0.0 62.2 93.2#



#12
1,1-Dichloroethene
Concen: 0.119 ug/L
RT: 2.101 min Scan# 330
Delta R.T. -0.019 min
Lab File: VV023020.D
Acq: 23 Oct 2021 19:23

Tgt Ion: 96 Resp: 476
Ion Ratio Lower Upper
96 100
61 1109.3 121.5 225.7#
63 9379.6 99.6 185.0#

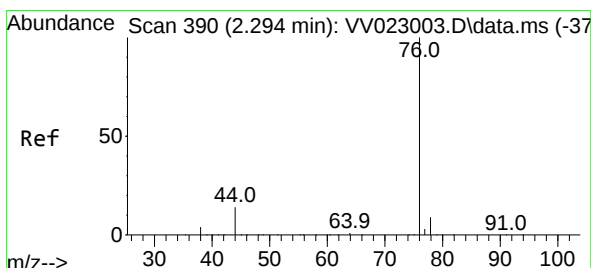
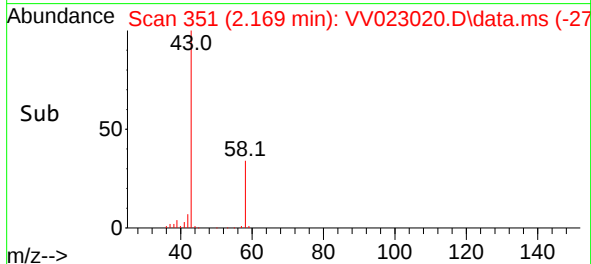
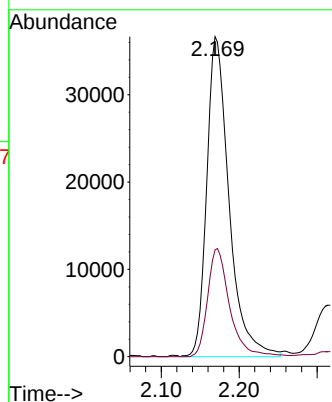
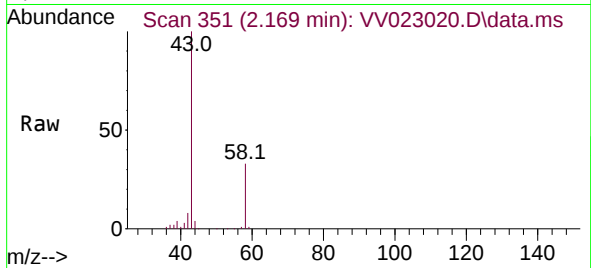




#13
Acetone
Concen: 135.244 ug/L
RT: 2.169 min Scan# 31
Delta R.T. -0.058 min
Lab File: VV023020.D
Acq: 23 Oct 2021 19:23

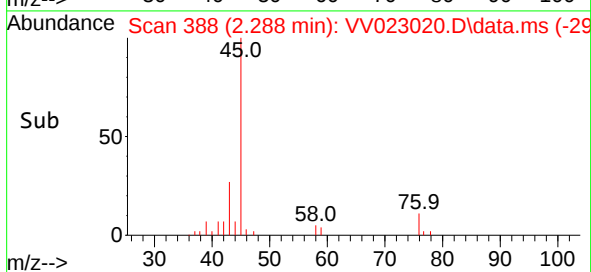
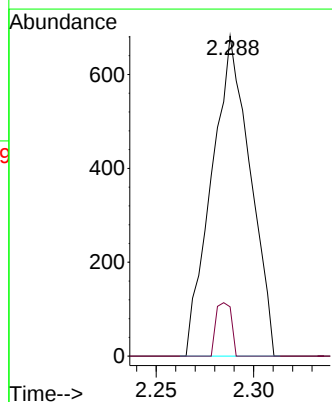
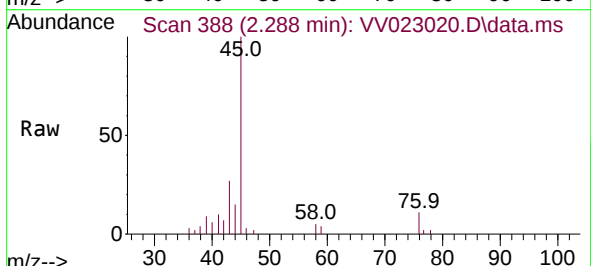
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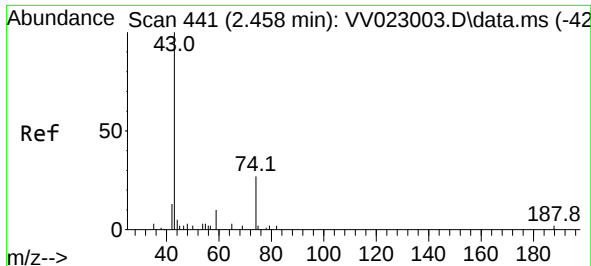
Tgt Ion: 43 Resp: 72753
Ion Ratio Lower Upper
43 100
58 33.4 0.0 55.4



#14
Carbon disulfide
Concen: 0.086 ug/L
RT: 2.288 min Scan# 388
Delta R.T. -0.006 min
Lab File: VV023020.D
Acq: 23 Oct 2021 19:23

Tgt Ion: 76 Resp: 939
Ion Ratio Lower Upper
76 100
78 15.4 7.2 10.8#

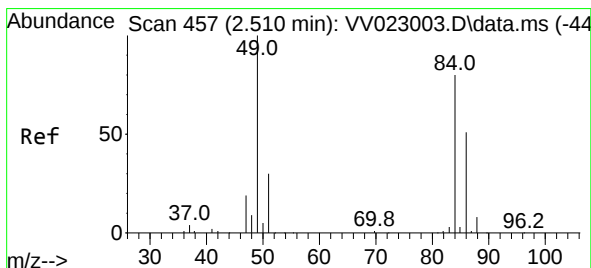
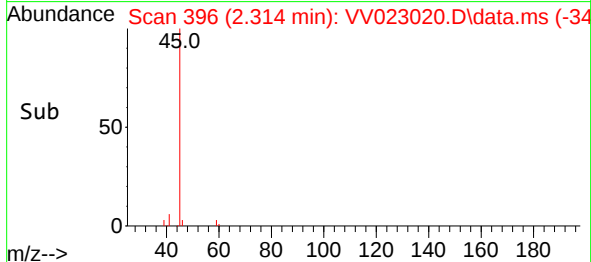
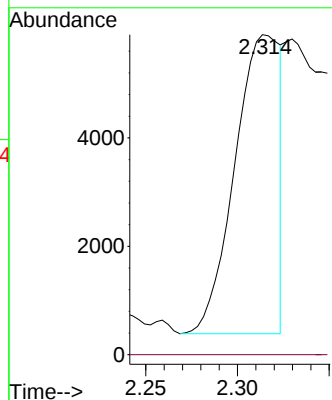
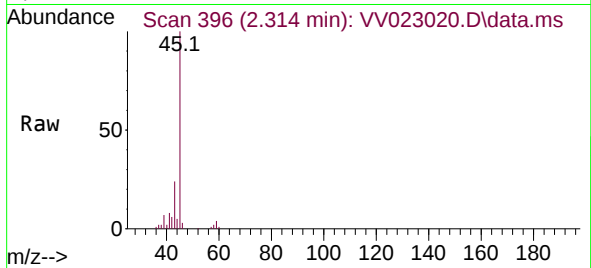




#15
Methyl Acetate
Concen: 4.601 ug/L
RT: 2.314 min Scan# 396
Delta R.T. -0.145 min
Lab File: VV023020.D
Acq: 23 Oct 2021 19:23

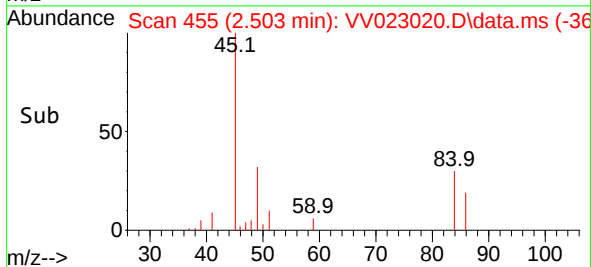
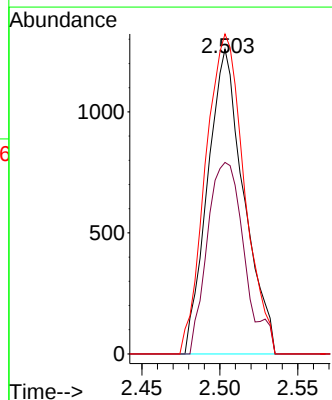
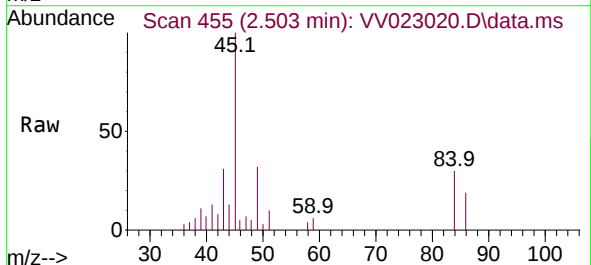
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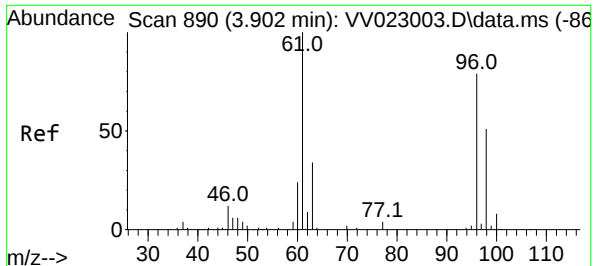
Tgt Ion: 43 Resp: 9416
Ion Ratio Lower Upper
43 100
74 2.0 22.2 33.2#



#16
Methylene chloride
Concen: 0.463 ug/L
RT: 2.503 min Scan# 455
Delta R.T. -0.006 min
Lab File: VV023020.D
Acq: 23 Oct 2021 19:23

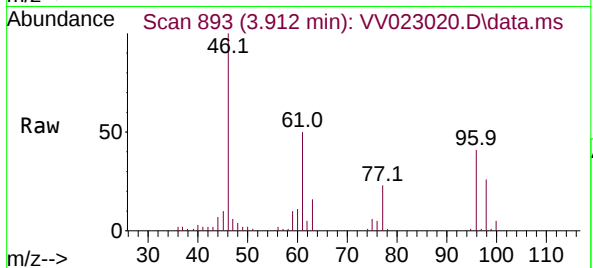
Tgt Ion: 84 Resp: 2036
Ion Ratio Lower Upper
84 100
86 62.8 42.3 78.5
49 105.0 79.7 148.1



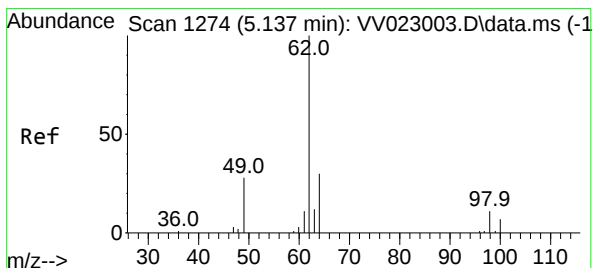
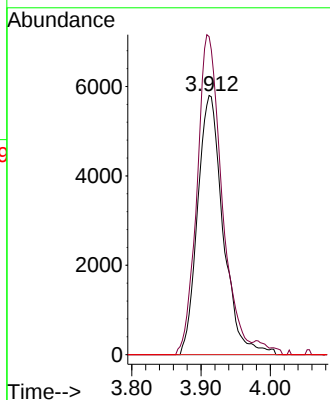
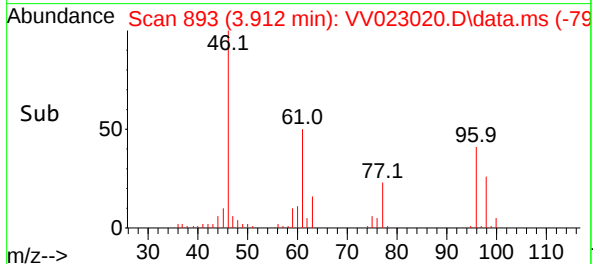


#22
 cis-1,2-Dichloroethene
 Concen: 3.067 ug/L
 RT: 3.912 min Scan# 890
 Delta R.T. 0.010 min
 Lab File: VV023020.D
 Acq: 23 Oct 2021 19:23

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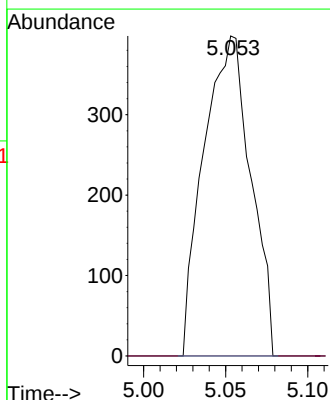
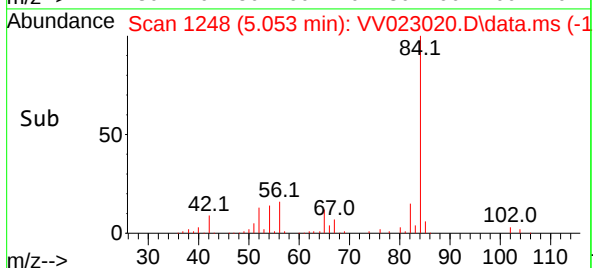
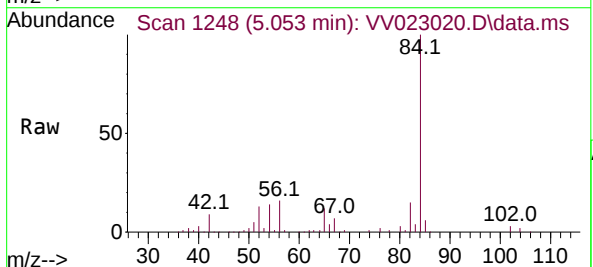


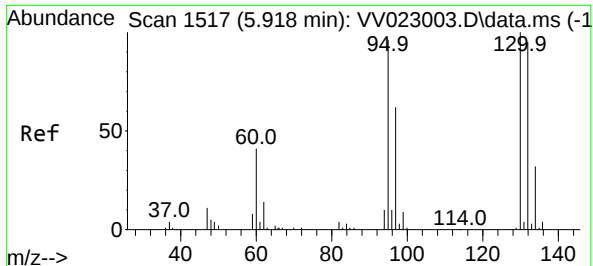
Tgt Ion: 96 Resp: 14866
 Ion Ratio Lower Upper
 96 100
 61 122.7 92.3 171.3
 68 0.0 0.4 0.8#



#27
 1,2-Dichloroethane
 Concen: 0.145 ug/L
 RT: 5.053 min Scan# 1248
 Delta R.T. -0.084 min
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 Acq: 23 Oct 2021 19:23

Tgt Ion: 62 Resp: 793
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.4#



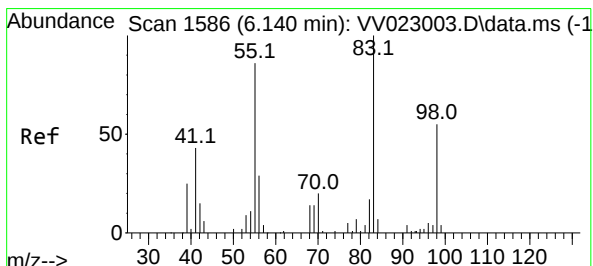
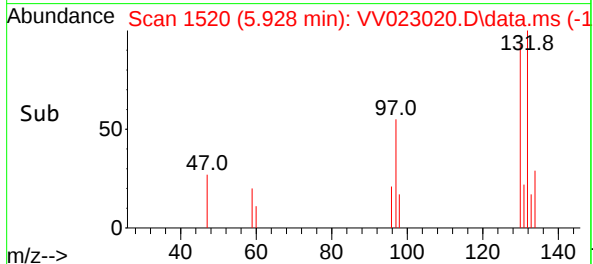
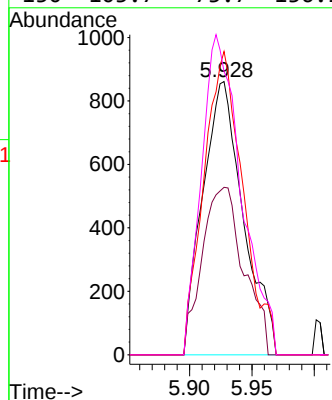
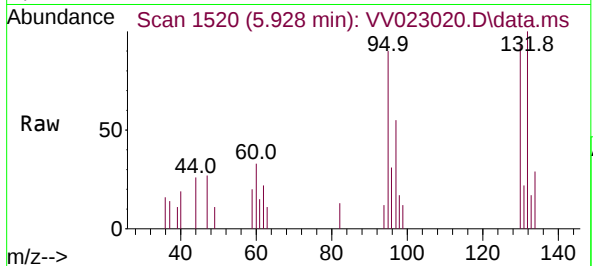


#34
Trichloroethene
Concen: 0.353 ug/L
RT: 5.928 min Scan# 1517
Delta R.T. 0.010 min
Lab File: VV023020.D
Acq: 23 Oct 2021 19:23

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 95 Resp: 1950

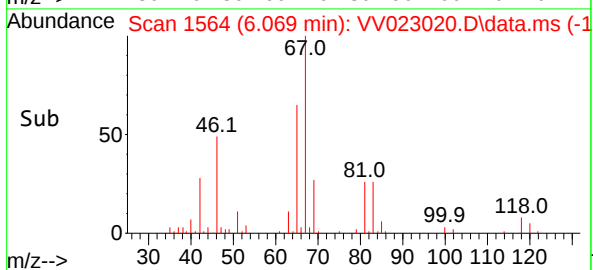
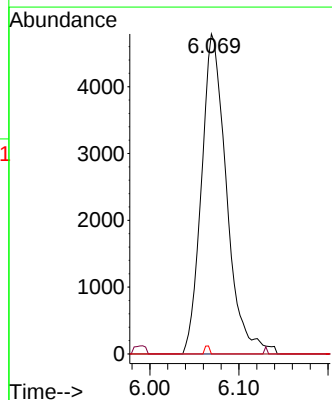
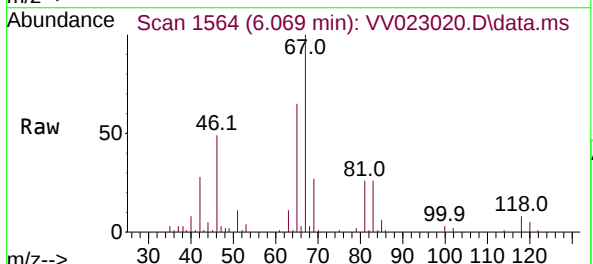
Ion	Ratio	Lower	Upper
95	100		
97	61.3	45.0	83.6
132	111.0	69.7	129.4
130	103.7	73.7	136.9

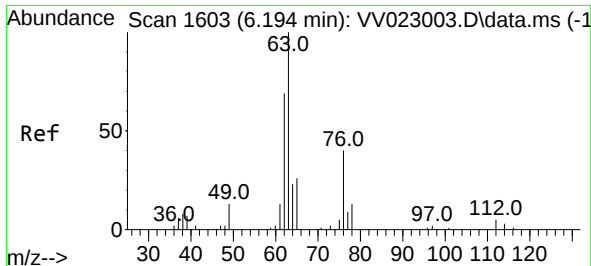


#35
Methylcyclohexane
Concen: 1.183 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.071 min
Lab File: VV023020.D
Acq: 23 Oct 2021 19:23

Tgt Ion: 83 Resp: 9359

Ion	Ratio	Lower	Upper
83	100		
55	0.2	62.8	94.2#
98	0.5	37.9	56.9#





#37

1,2-Dichloropropane

Concen: 0.733 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.125 min

Lab File: VV023020.D

Acq: 23 Oct 2021 19:23

Instrument :

MSVOA_V

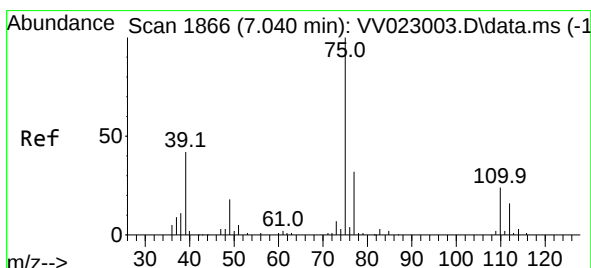
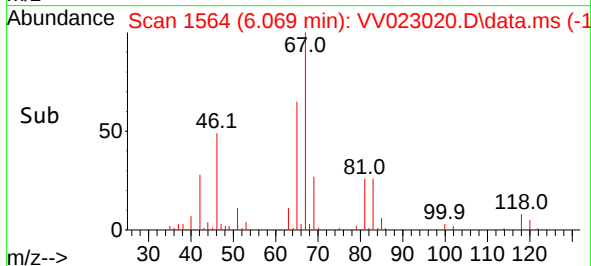
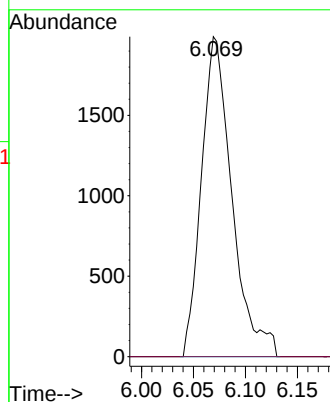
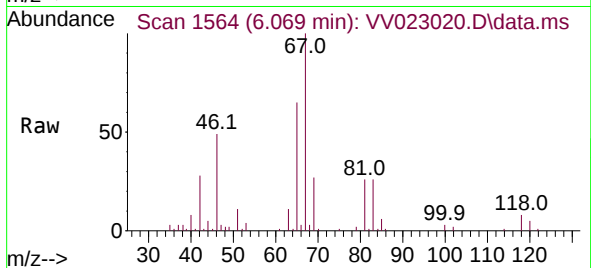
ClientSampleId :

Tgt Ion: 63 Resp: 4063

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#39

cis-1,3-Dichloropropene

Concen: 0.119 ug/L

RT: 6.985 min Scan# 1849

Delta R.T. -0.055 min

Lab File: VV023020.D

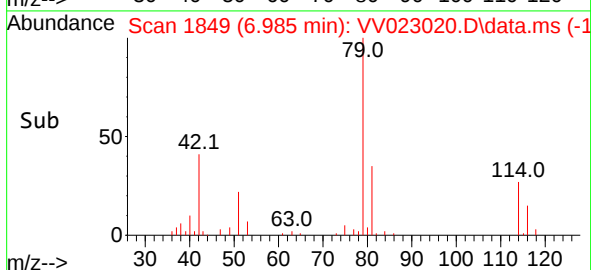
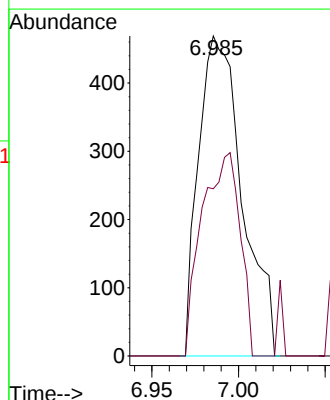
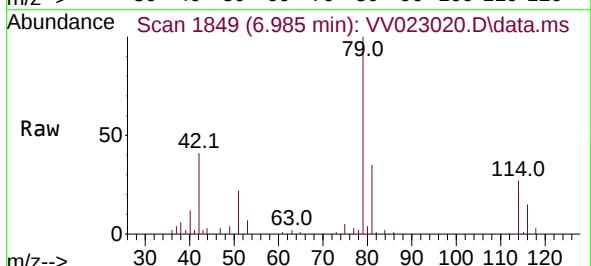
Acq: 23 Oct 2021 19:23

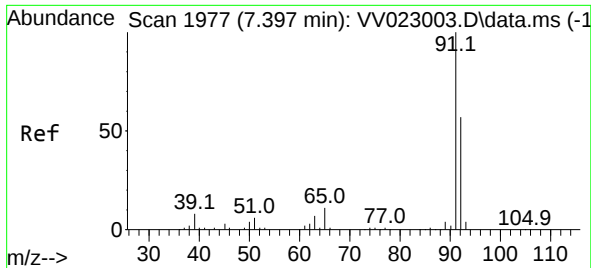
Tgt Ion: 75 Resp: 824

Ion Ratio Lower Upper

75 100

77 52.2 21.6 40.2#

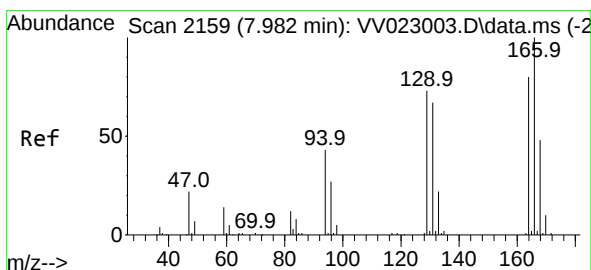
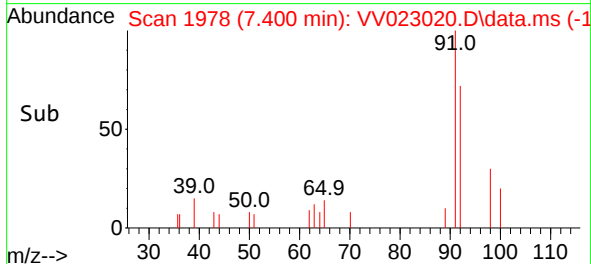
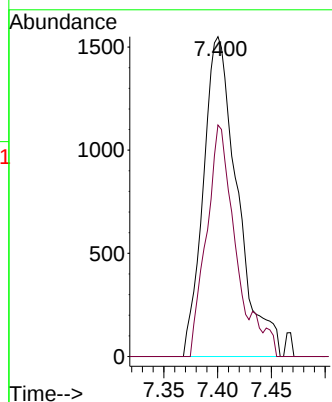
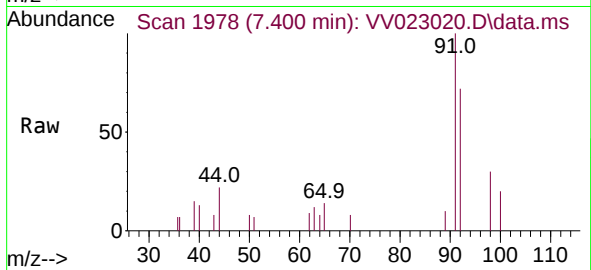




#42
Toluene
Concen: 0.154 ug/L
RT: 7.400 min Scan# 1977
Delta R.T. 0.003 min
Lab File: VV023020.D
Acq: 23 Oct 2021 19:23

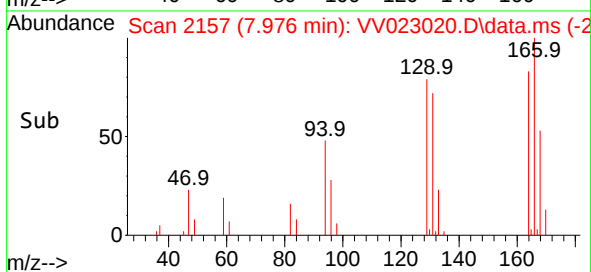
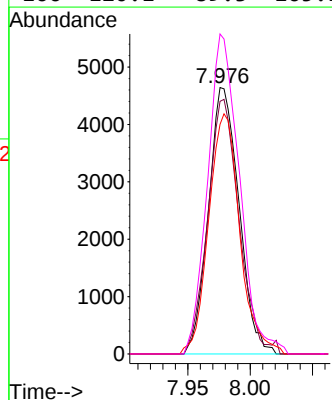
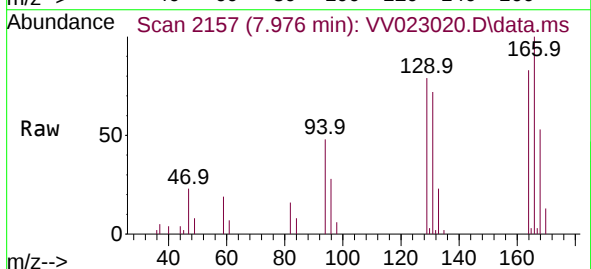
Instrument :
MSVOA_V
ClientSampleId :

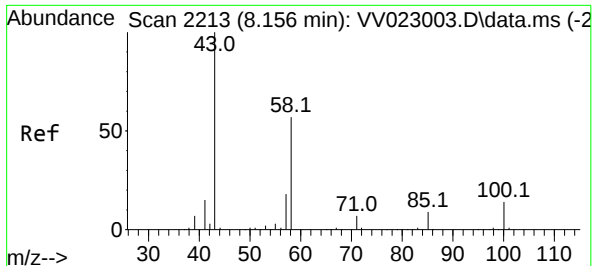
Tgt Ion: 91 Resp: 3421
Ion Ratio Lower Upper
91 100
92 72.4 39.3 72.9



#47
Tetrachloroethene
Concen: 1.697 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.006 min
Lab File: VV023020.D
Acq: 23 Oct 2021 19:23

Tgt Ion: 164 Resp: 7918
Ion Ratio Lower Upper
164 100
129 94.8 64.0 119.0
131 86.2 63.4 117.8
166 120.1 89.3 165.9

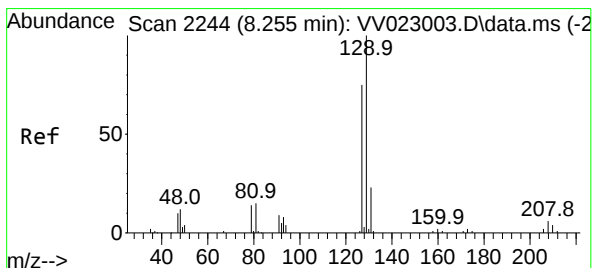
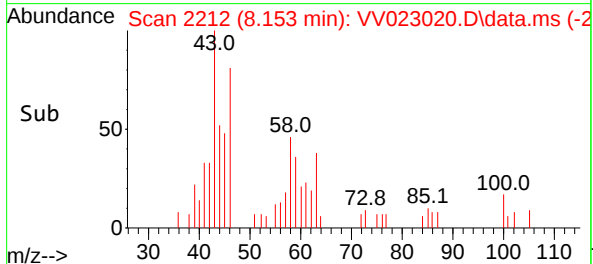
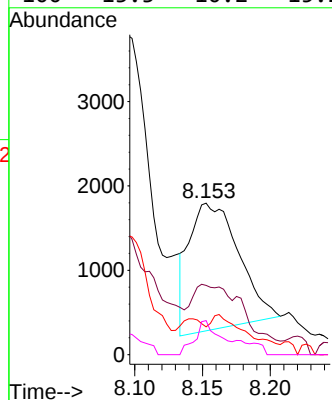
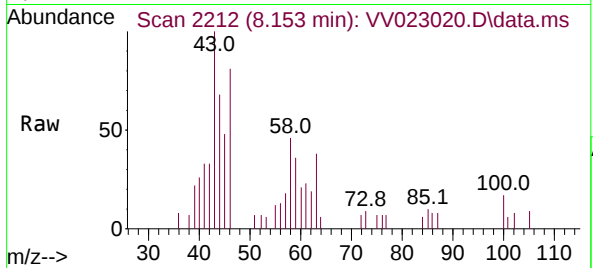




#48
2-Hexanone
Concen: 1.974 ug/L
RT: 8.153 min Scan# 2158
Delta R.T. -0.003 min
Lab File: VV023020.D
Acq: 23 Oct 2021 19:23

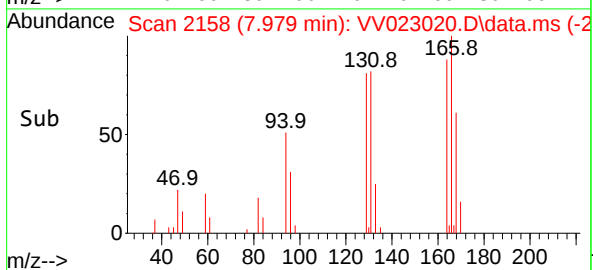
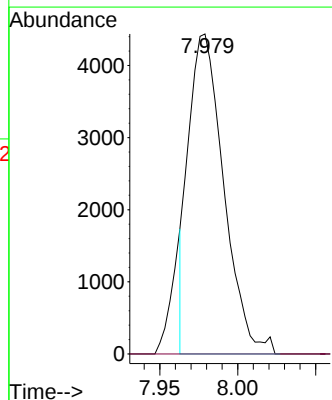
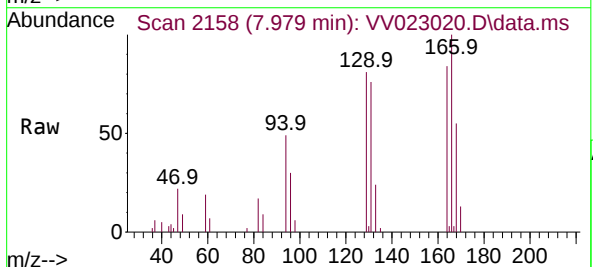
Instrument :
MSVOA_V
ClientSampleId :

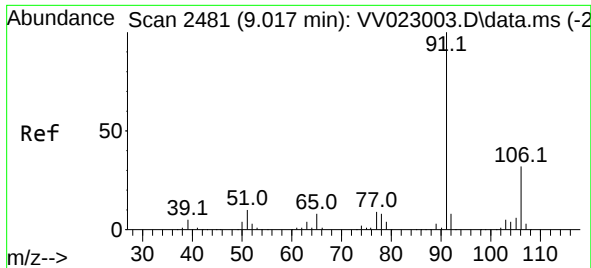
Tgt Ion: 43 Resp: 3824
Ion Ratio Lower Upper
43 100
58 60.7 43.7 65.5
57 24.0 14.1 21.1#
100 13.3 10.2 15.2



#49
Dibromochloromethane
Concen: 1.506 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. -0.276 min
Lab File: VV023020.D
Acq: 23 Oct 2021 19:23

Tgt Ion: 129 Resp: 6950
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#





#52

Ethylbenzene

Concen: 0.058 ug/L

RT: 9.153 min Scan# 21

Delta R.T. 0.135 min

Lab File: VV023020.D

Acq: 23 Oct 2021 19:23

Instrument :

MSVOA_V

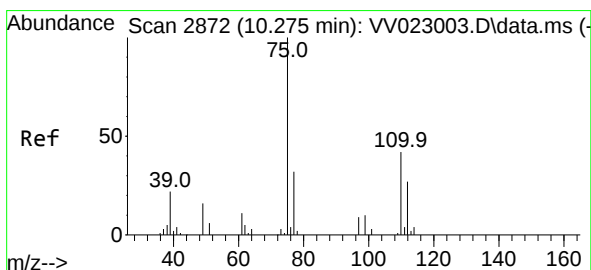
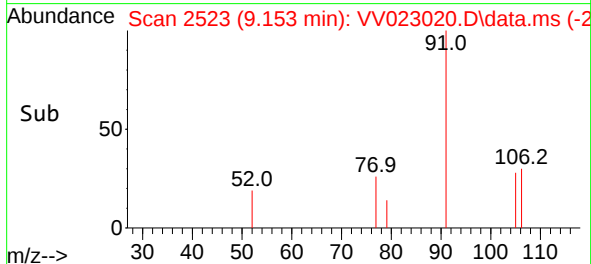
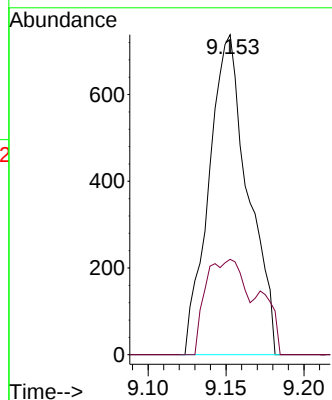
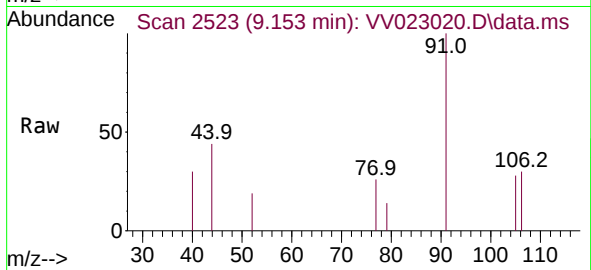
ClientSampleId :

Tgt Ion: 91 Resp: 1288

Ion Ratio Lower Upper

91 100

106 29.8 22.5 41.9



#61

1,2,3-Trichloropropane

Concen: 1.564 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.974 min

Lab File: VV023020.D

Acq: 23 Oct 2021 19:23

Tgt Ion: 75 Resp: 3713

Ion Ratio Lower Upper

75 100

77 37.1 26.6 39.8

110 2.2 31.8 47.6#

