

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111621\
 Data File : VW023552.D
 Acq On : 16 Nov 2021 22:46
 Operator : SY/MD
 Sample : M4627-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H4637

Quant Time: Nov 17 03:40:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 17 02:49:39 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	120586	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	120217	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	55951	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	31066	4.112	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.200%
7) Chloroethane-d5	1.568	69	23903	3.882	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.600%
11) 1,1-Dichloroethene-d2	2.108	63	45592	3.224	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.400%
20) 2-Butanone-d5	3.905	46	34172	26.257	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	52.520%
24) Chloroform-d	4.352	84	57853	3.594	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	71.800%
26) 1,2-Dichloroethane-d4	5.037	65	28507	3.938	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.800%
32) Benzene-d6	5.050	84	117123	3.797	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.000%
36) 1,2-Dichloropropane-d6	6.072	67	36706	4.043	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.800%
41) Toluene-d8	7.317	98	104013	3.598	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.000%
43) trans-1,3-Dichloroprop...	7.628	79	12567	3.650	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.000%
46) 2-Hexanone-d5	8.091	63	45161	35.651	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	71.300%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	25390	3.888	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	42752	4.589	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	581093	58.200	ug/L	98
8) Chloroethane	1.310	64	184044	31.942	ug/L #	44
12) 1,1-Dichloroethene	2.117	96	14546	2.023	ug/L #	69
13) Acetone	2.188	43	999	1.256	ug/L	73
14) Carbon disulfide	2.297	76	2348	0.087	ug/L #	74
18) trans-1,2-Dichloroethene	2.760	96	118542	13.410	ug/L	95
19) 1,1-Dichloroethane	3.191	63	9505	0.637	ug/L	97
22) cis-1,2-Dichloroethene	3.912	96	297431	34.962	ug/L #	92
25) Chloroform	4.378	83	6280	0.395	ug/L	96
30) Cyclohexane	4.670	56	1720	0.131	ug/L #	92
33) Benzene	5.104	78	19284	0.574	ug/L	100
34) Trichloroethene	5.915	95	42334	4.738	ug/L	94
35) Methylcyclohexane	6.072	83	10882	0.772	ug/L #	27
37) 1,2-Dichloropropane	6.069	63	4137	0.527	ug/L #	83
42) Toluene	7.394	91	13348	0.371	ug/L	92
45) 1,1,2-Trichloroethane	7.783	97	2305	0.409	ug/L #	15
48) 2-Hexanone	8.149	43	6372	2.500	ug/L #	77
52) Ethylbenzene	9.017	91	4249	0.112	ug/L	96
53) m,p-xylene	9.149	106	2352	0.158	ug/L	92

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QLast Update : Wed Nov 17 02:49:39 2021
Response via : Initial Calibration

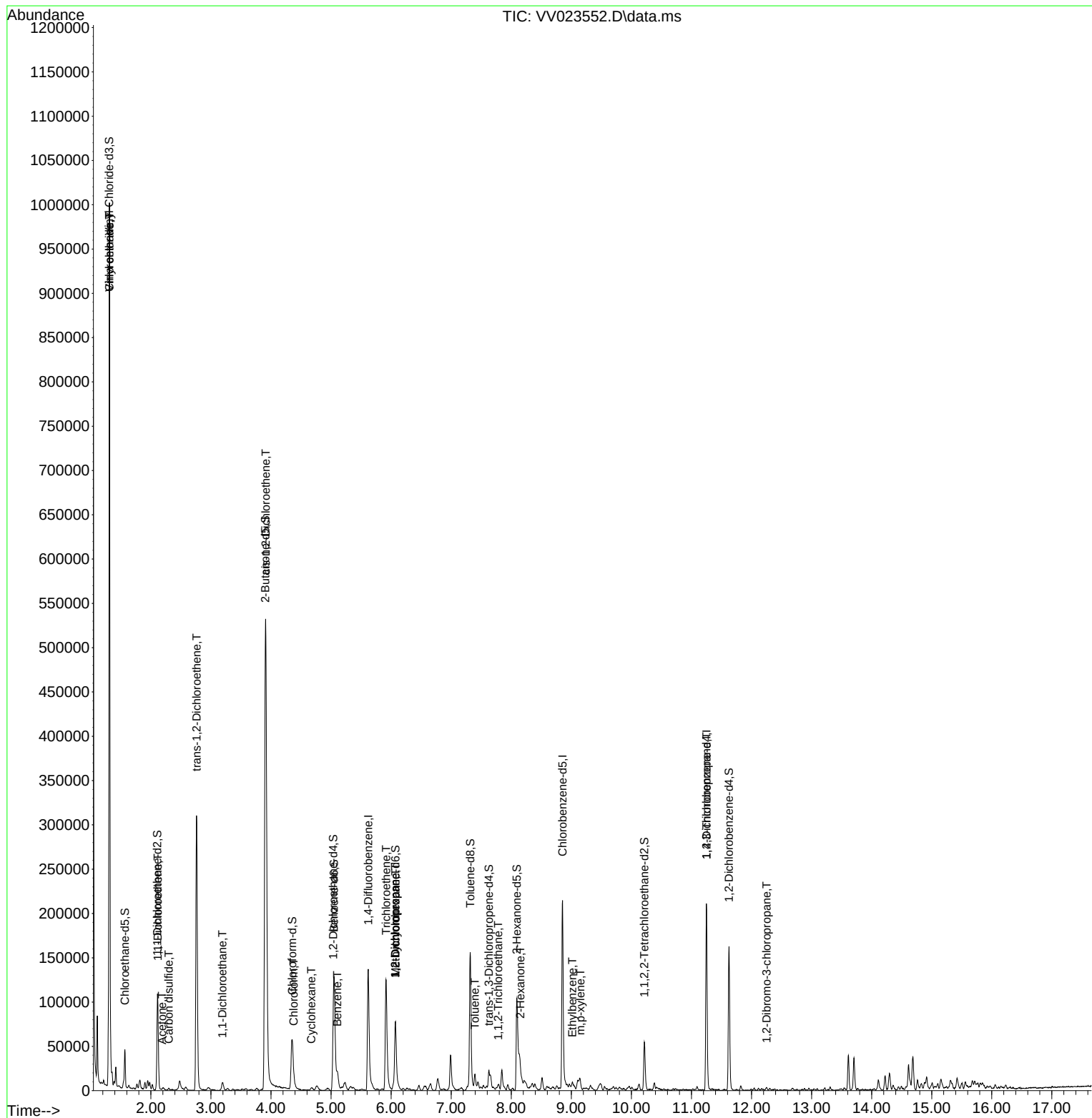
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.249	75	5782	1.556	ug/L #	64
68) 1,2-Dibromo-3-chloropr...	12.249	75	120	0.152	ug/L #	1

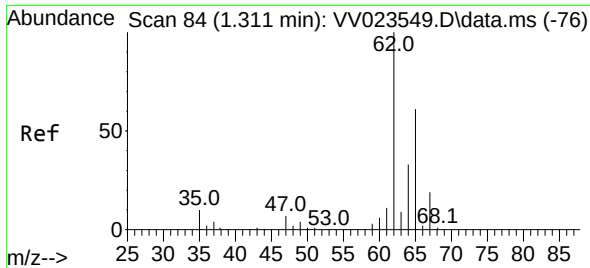
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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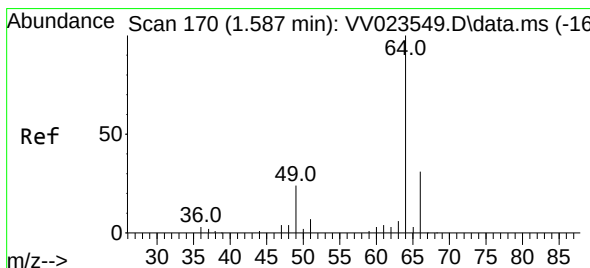
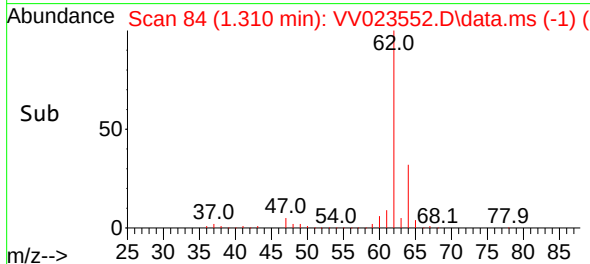
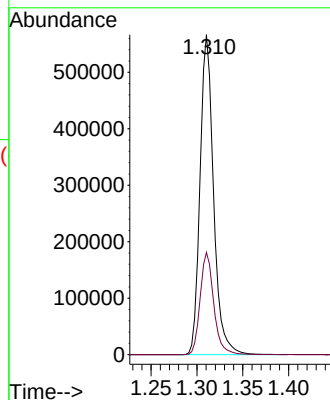
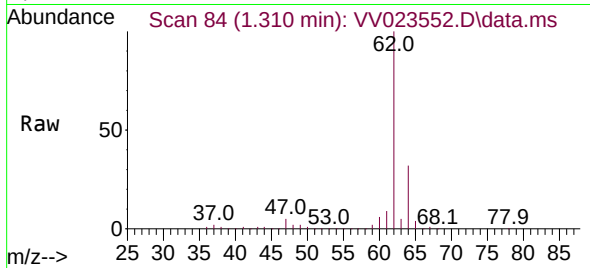




#5
 Vinyl chloride
 Concen: 58.200 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV023552.D
 Acq: 16 Nov 2021 22:46

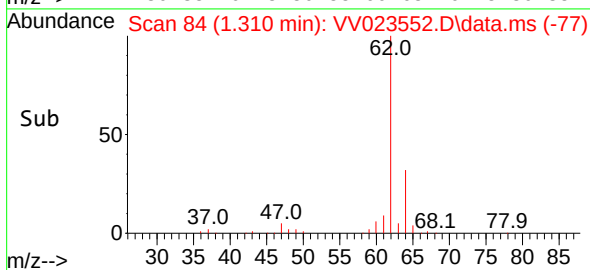
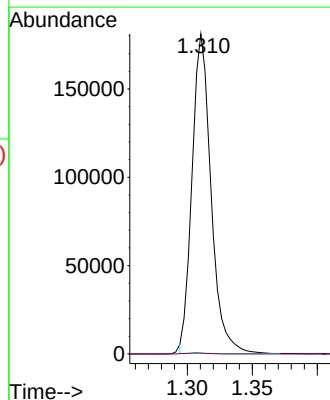
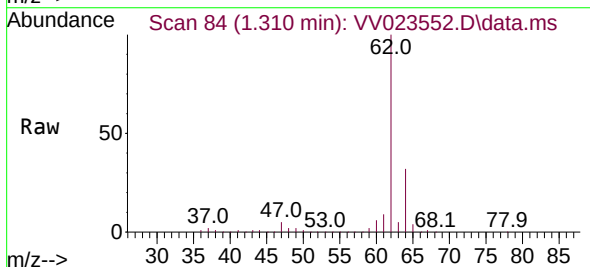
Instrument :
 MSVOA_V
 ClientSampleId :
 H4637

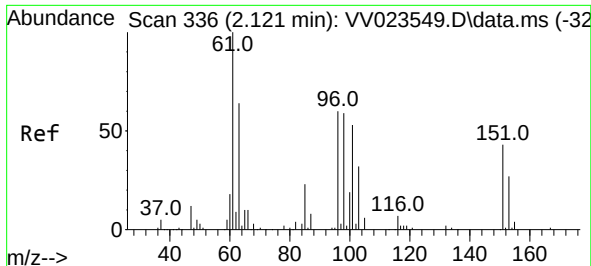
Tgt Ion: 62 Resp: 581093
 Ion Ratio Lower Upper
 62 100
 64 32.0 23.1 42.9



#8
 Chloroethane
 Concen: 31.942 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.277 min
 Lab File: VV023552.D
 Acq: 16 Nov 2021 22:46

Tgt Ion: 64 Resp: 184044
 Ion Ratio Lower Upper
 64 100
 66 0.3 22.1 41.1#





#12

1,1-Dichloroethene

Concen: 2.023 ug/L

RT: 2.117 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV023552.D

Acq: 16 Nov 2021 22:46

Instrument :

MSVOA_V

ClientSampleId :

H4637

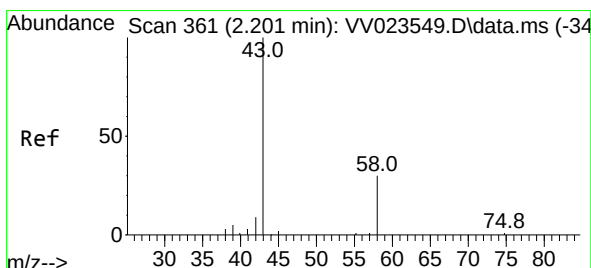
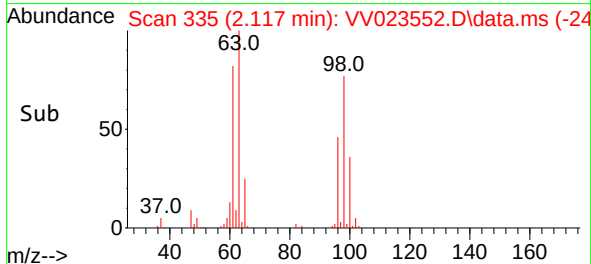
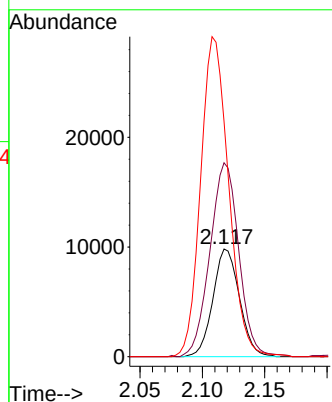
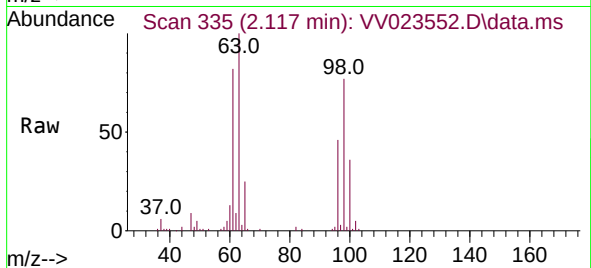
Tgt Ion: 96 Resp: 14546

Ion Ratio Lower Upper

96 100

61 180.1 121.5 225.7

63 218.6 99.6 185.0#



#13

Acetone

Concen: 1.256 ug/L

RT: 2.188 min Scan# 357

Delta R.T. -0.013 min

Lab File: VV023552.D

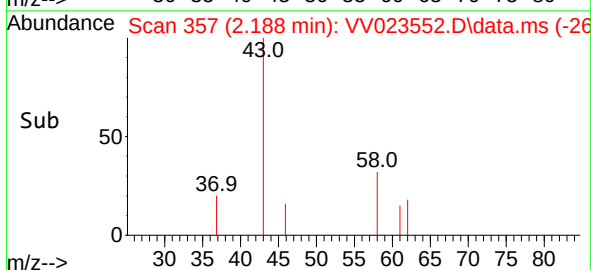
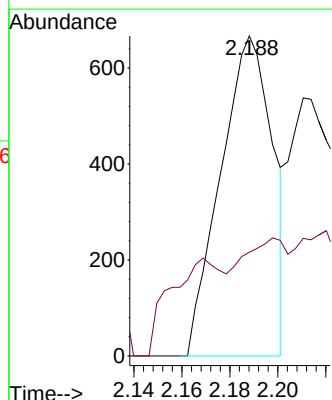
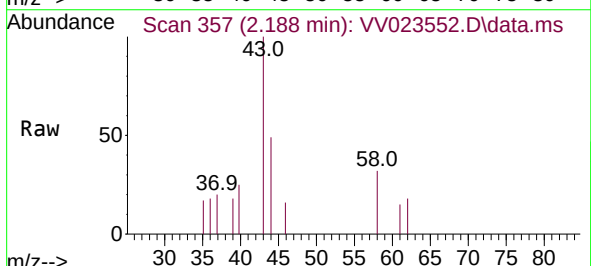
Acq: 16 Nov 2021 22:46

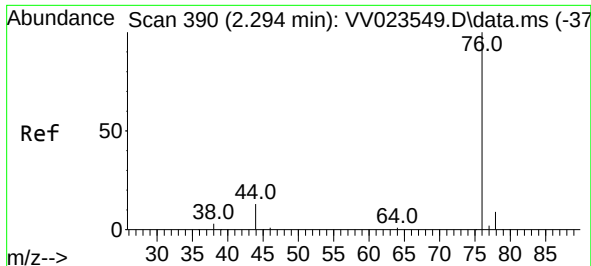
Tgt Ion: 43 Resp: 999

Ion Ratio Lower Upper

43 100

58 13.4 0.0 55.4

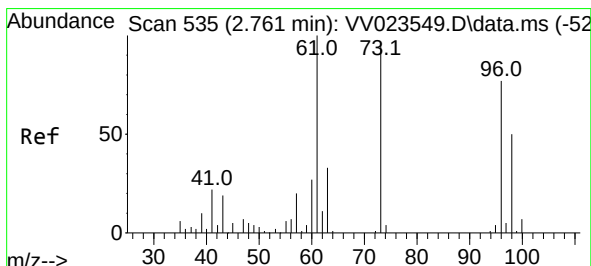
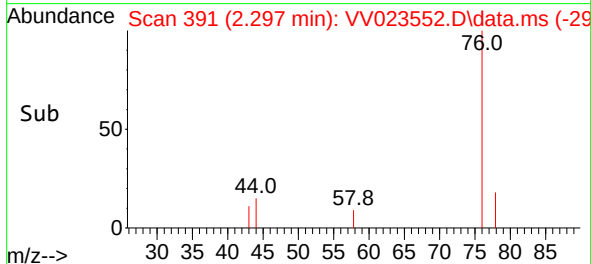
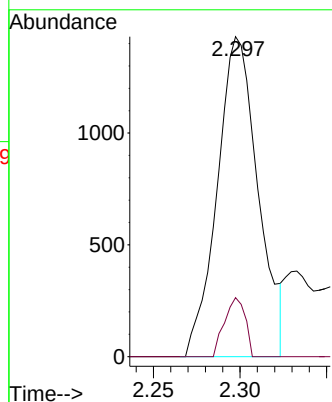
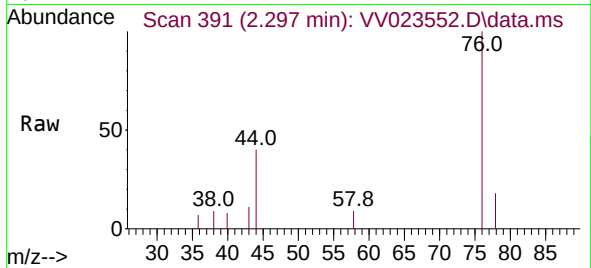




#14
Carbon disulfide
Concen: 0.087 ug/L
RT: 2.297 min Scan# 391
Delta R.T. 0.003 min
Lab File: VV023552.D
Acq: 16 Nov 2021 22:46

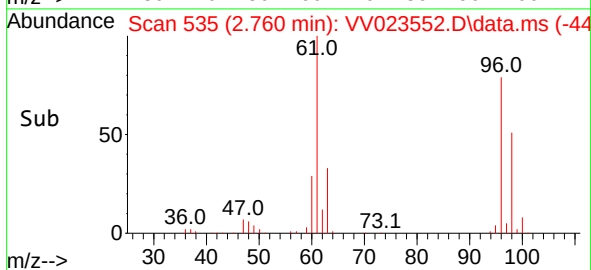
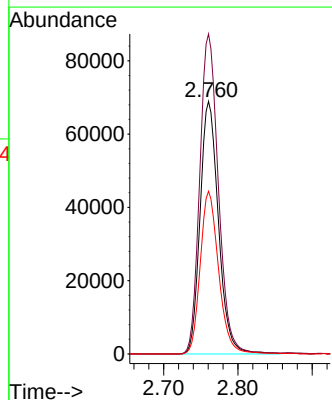
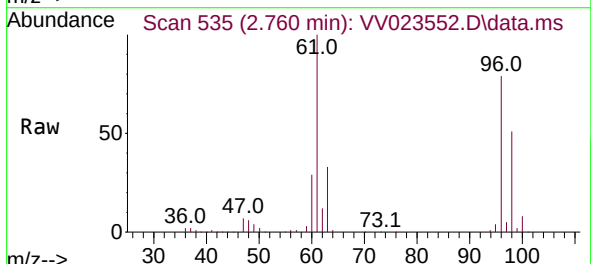
Instrument :
MSVOA_V
ClientSampleId :
H4637

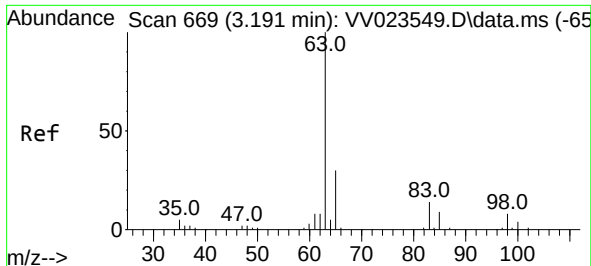
Tgt Ion: 76 Resp: 2348
Ion Ratio Lower Upper
76 100
78 18.4 7.2 10.8#



#18
trans-1,2-Dichloroethene
Concen: 13.410 ug/L
RT: 2.760 min Scan# 535
Delta R.T. -0.000 min
Lab File: VV023552.D
Acq: 16 Nov 2021 22:46

Tgt Ion: 96 Resp: 118542
Ion Ratio Lower Upper
96 100
61 126.7 93.2 173.2
98 64.4 47.0 87.2





#19

1,1-Dichloroethane

Concen: 0.637 ug/L

RT: 3.191 min Scan# 60

Delta R.T. -0.000 min

Lab File: VV023552.D

Acq: 16 Nov 2021 22:46

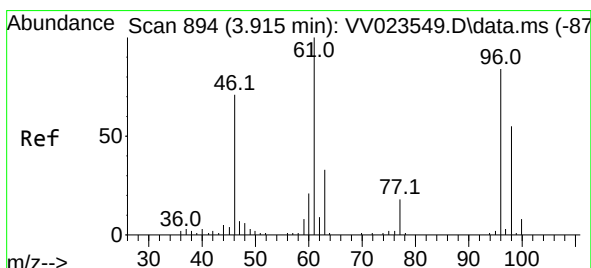
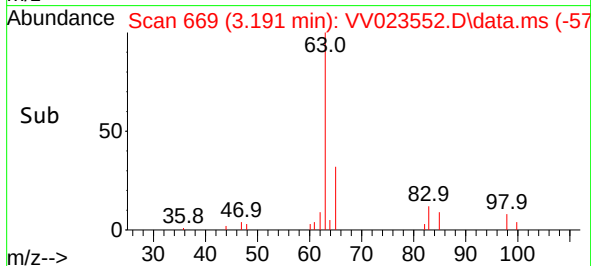
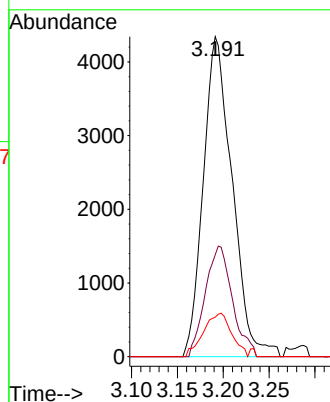
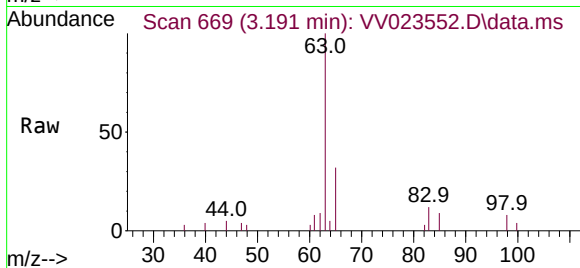
Instrument :

MSVOA_V

ClientSampleId :

H4637

Tgt Ion: 63	Resp: 9505
Ion Ratio	Lower Upper
63 100	
65 31.9	22.6 42.0
83 12.3	11.1 20.7



#22

cis-1,2-Dichloroethene

Concen: 34.962 ug/L

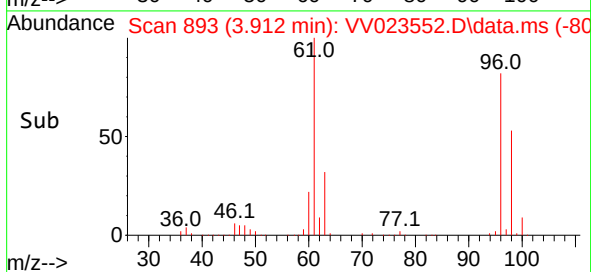
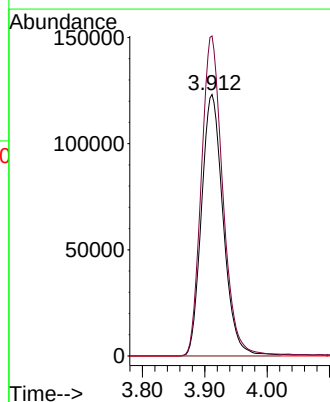
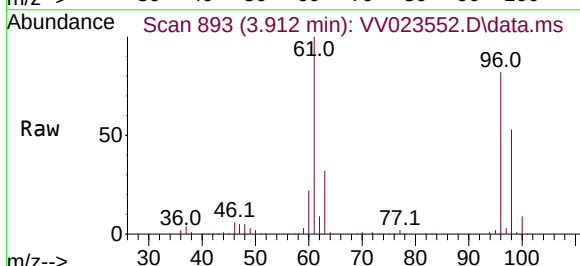
RT: 3.912 min Scan# 893

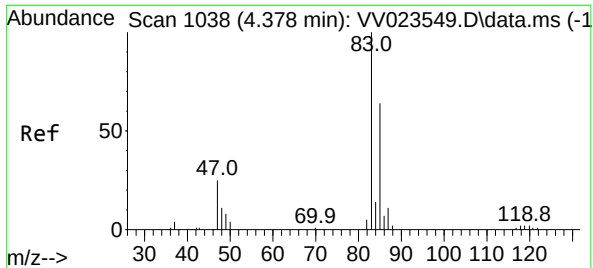
Delta R.T. -0.003 min

Lab File: VV023552.D

Acq: 16 Nov 2021 22:46

Tgt Ion: 96	Resp: 297431
Ion Ratio	Lower Upper
96 100	
61 122.4	92.3 171.3
68 0.0	0.4 0.8#

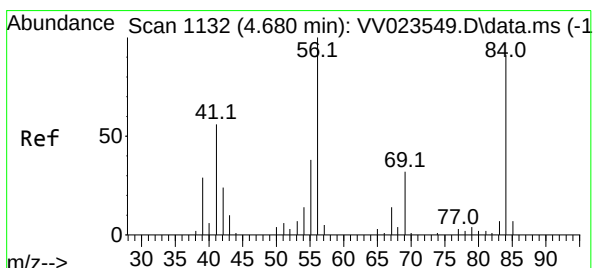
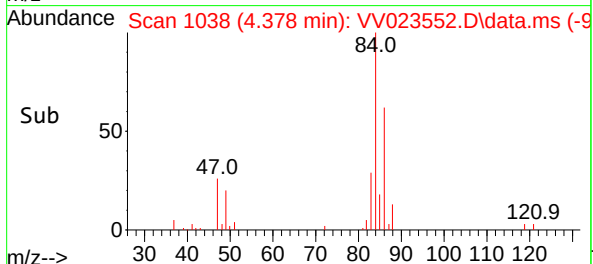
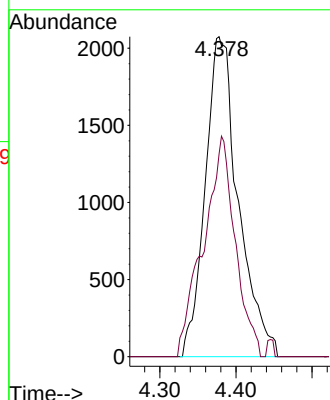
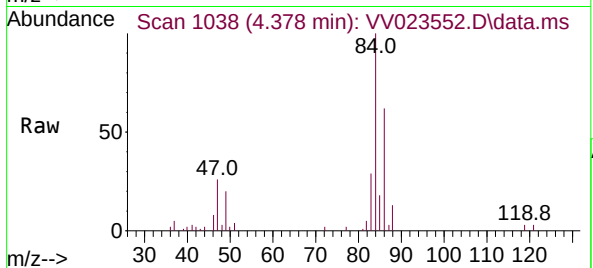




#25
Chloroform
Concen: 0.395 ug/L
RT: 4.378 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VV023552.D
Acq: 16 Nov 2021 22:46

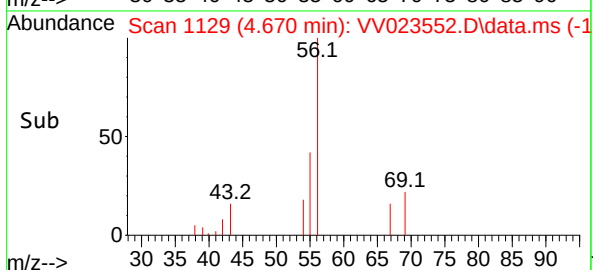
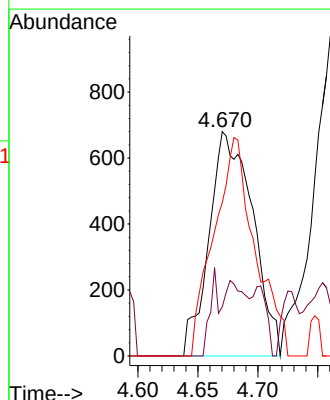
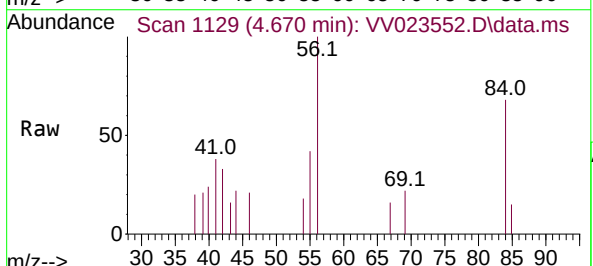
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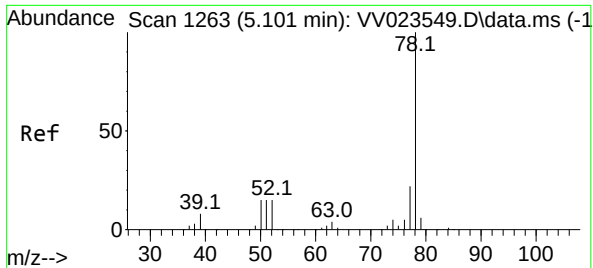
Tgt Ion: 83 Resp: 6280
Ion Ratio Lower Upper
83 100
85 63.4 46.8 86.8



#30
Cyclohexane
Concen: 0.131 ug/L
RT: 4.670 min Scan# 1129
Delta R.T. -0.010 min
Lab File: VV023552.D
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Tgt Ion: 56 Resp: 1720
Ion Ratio Lower Upper
56 100
69 15.6 23.5 35.3#
84 91.6 71.6 107.4





#33

Benzene

Concen: 0.574 ug/L

RT: 5.104 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV023552.D

Acq: 16 Nov 2021 22:46

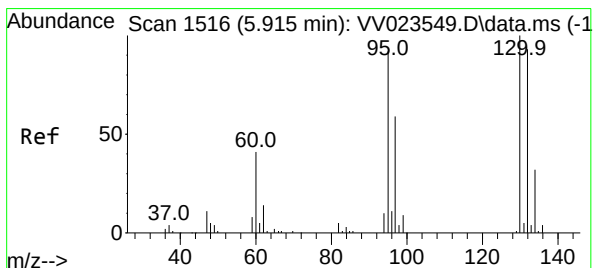
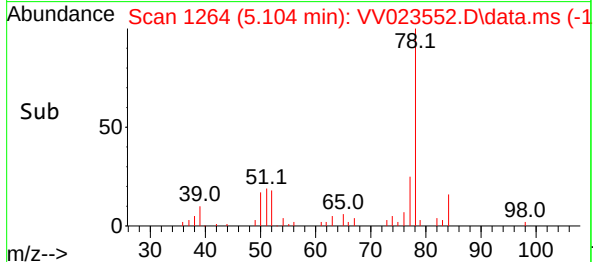
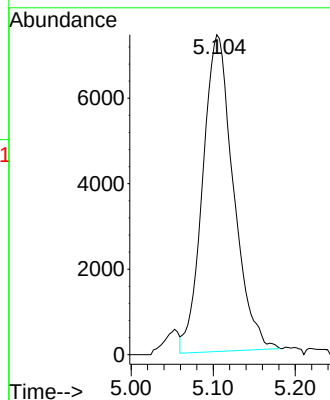
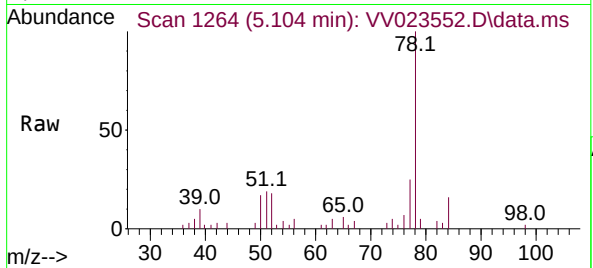
Instrument :

MSVOA_V

ClientSampleId :

H4637

Tgt Ion: 78 Resp: 19284



#34

Trichloroethene

Concen: 4.738 ug/L

RT: 5.915 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VV023552.D

Acq: 16 Nov 2021 22:46

Tgt Ion: 95 Resp: 42334

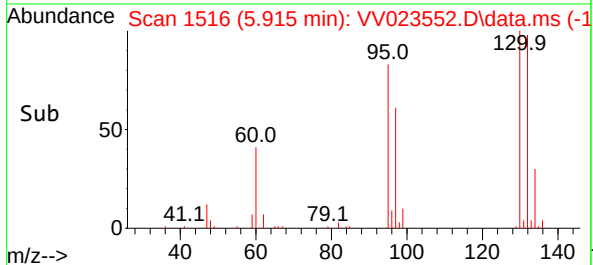
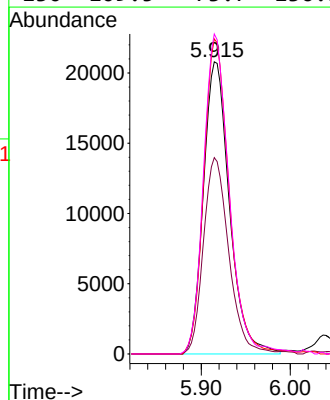
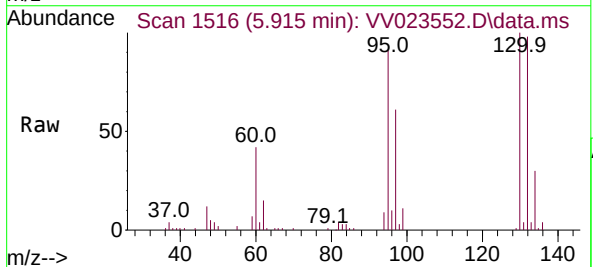
Ion Ratio Lower Upper

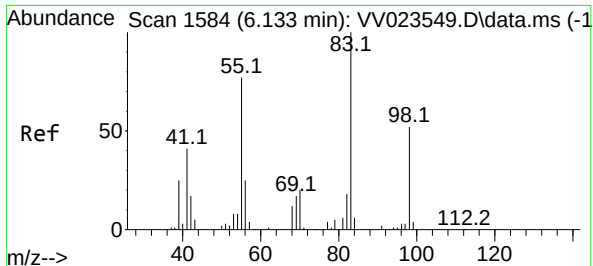
95 100

97 67.2 45.0 83.6

132 107.8 69.7 129.4

130 109.5 73.7 136.9





#35

Methylcyclohexane

Concen: 0.772 ug/L

RT: 6.072 min Scan# 1

Delta R.T. -0.061 min

Lab File: VV023552.D

Acq: 16 Nov 2021 22:46

Instrument :

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ClientSampleId :

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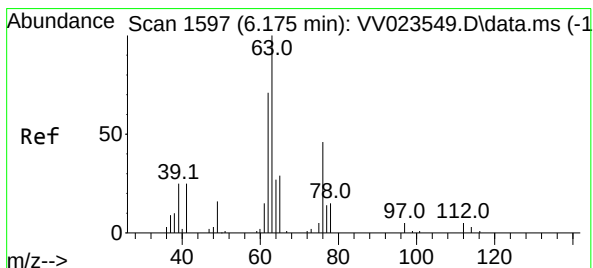
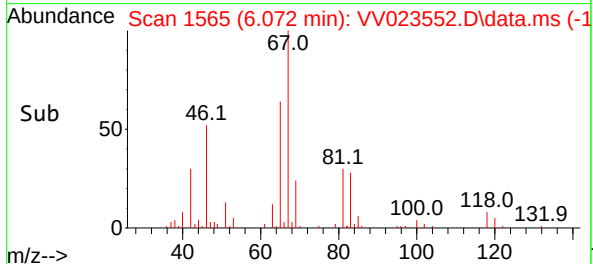
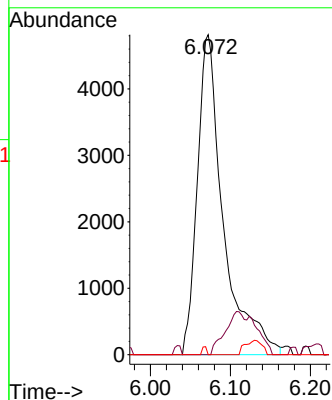
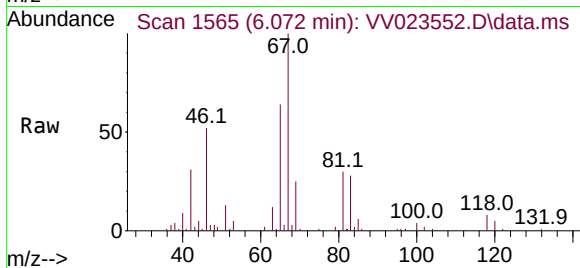
Tgt Ion: 83 Resp: 10882

Ion Ratio Lower Upper

83 100

55 10.6 62.8 94.2#

98 2.9 37.9 56.9#



#37

1,2-Dichloropropane

Concen: 0.527 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.106 min

Lab File: VV023552.D

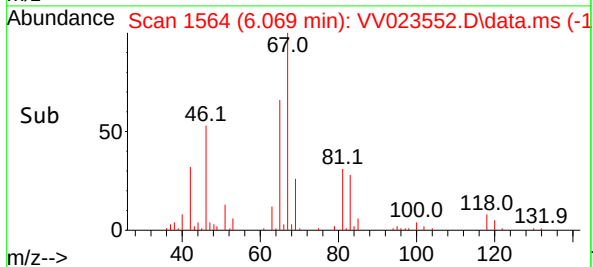
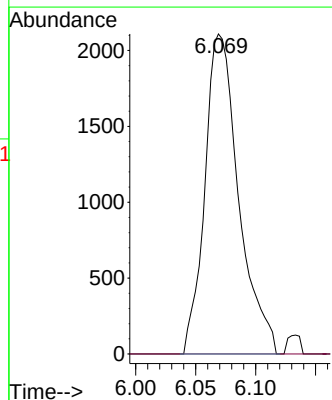
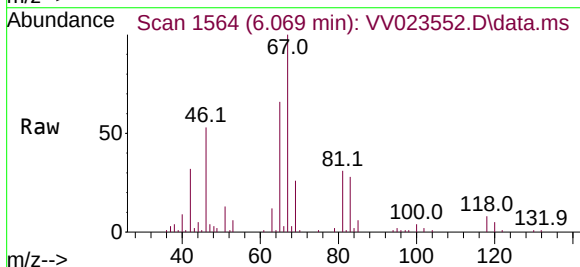
Acq: 16 Nov 2021 22:46

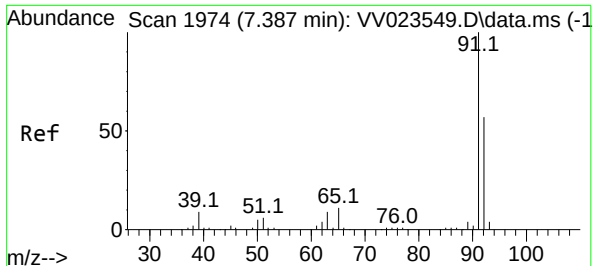
Tgt Ion: 63 Resp: 4137

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#





#42

Toluene

Concen: 0.371 ug/L

RT: 7.394 min Scan# 1974

Delta R.T. 0.006 min

Lab File: VV023552.D

Acq: 16 Nov 2021 22:46

Instrument :

MSVOA_V

ClientSampleId :

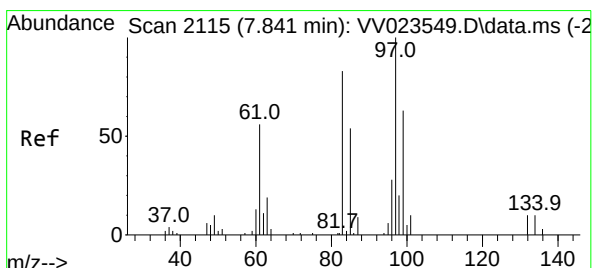
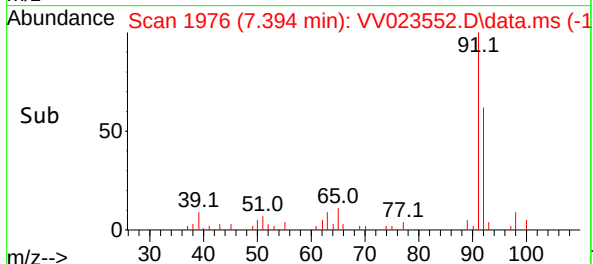
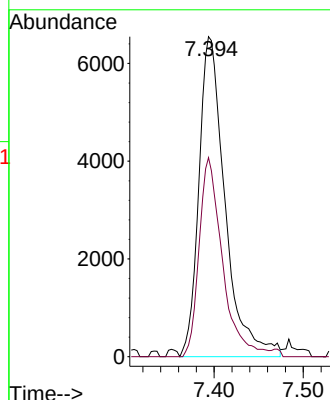
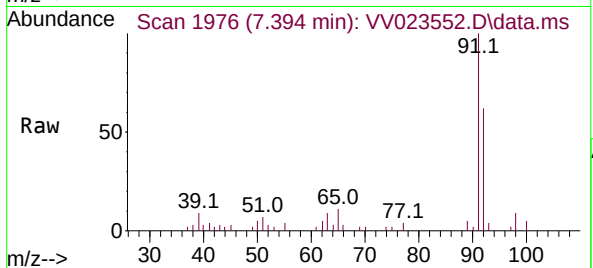
H4637

Tgt Ion: 91 Resp: 13348

Ion Ratio Lower Upper

91 100

92 62.2 39.3 72.9



#45

1,1,2-Trichloroethane

Concen: 0.409 ug/L

RT: 7.783 min Scan# 2097

Delta R.T. -0.058 min

Lab File: VV023552.D

Acq: 16 Nov 2021 22:46

Tgt Ion: 97 Resp: 2305

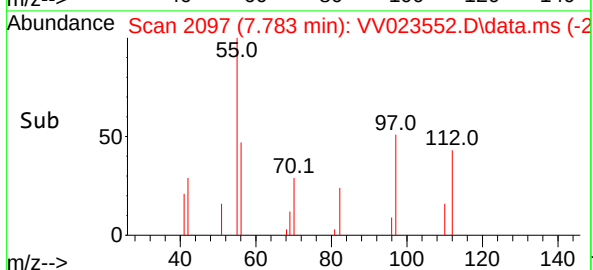
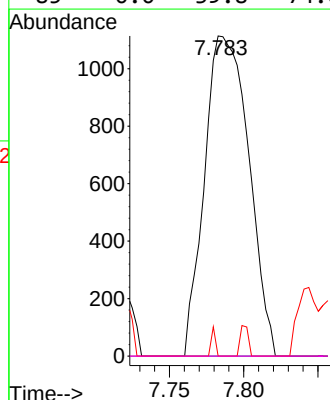
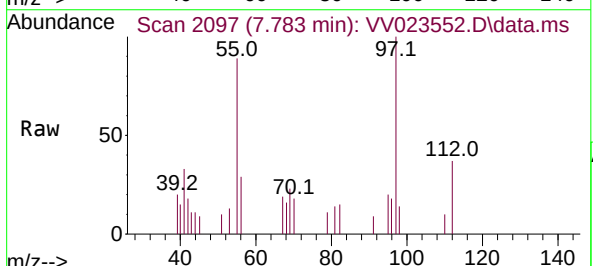
Ion Ratio Lower Upper

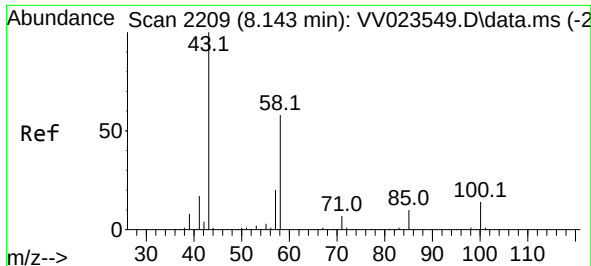
97 100

99 0.0 43.6 81.0#

83 0.0 58.4 108.4#

85 0.0 39.8 74.0#

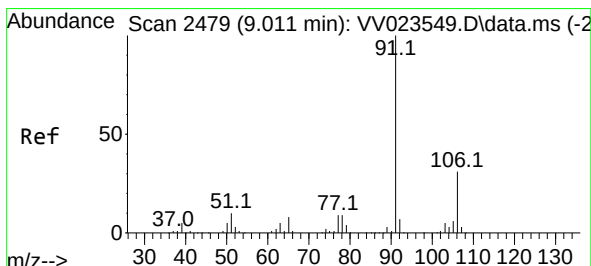
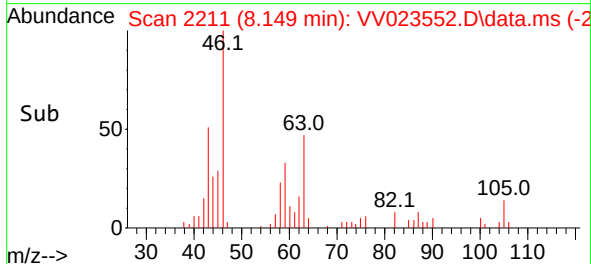
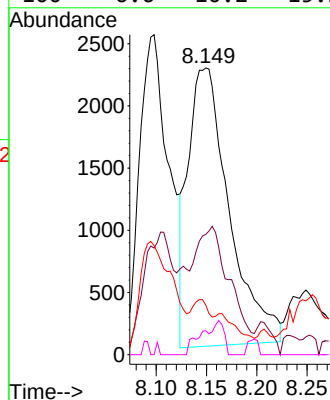
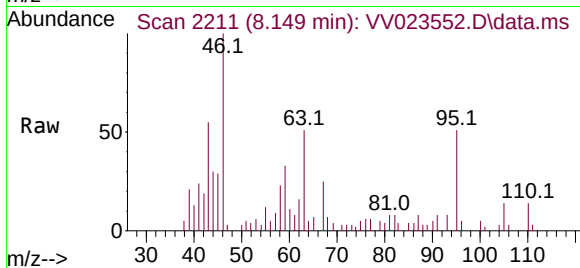




#48
2-Hexanone
Concen: 2.500 ug/L
RT: 8.149 min Scan# 2111
Delta R.T. 0.006 min
Lab File: VV023552.D
Acq: 16 Nov 2021 22:46

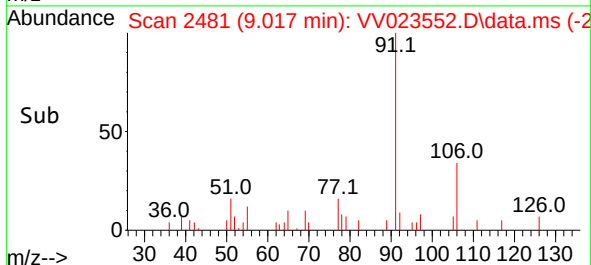
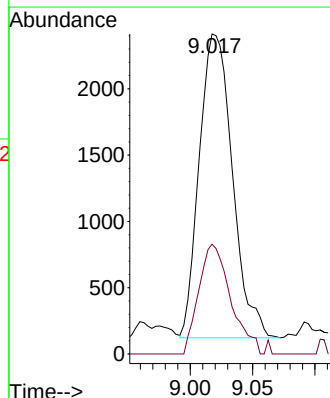
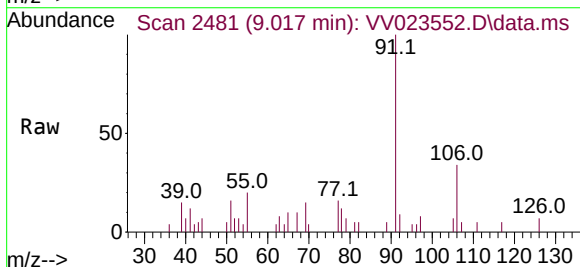
Instrument :
MSVOA_V
ClientSampleId :
H4637

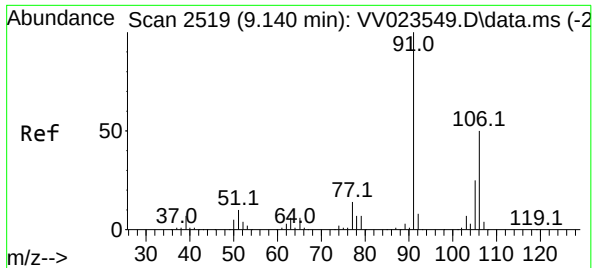
Tgt Ion: 43	Resp: 6372
Ion Ratio	Lower Upper
43 100	
58 39.2	43.7 65.5#
57 3.0	14.1 21.1#
100 6.6	10.2 15.2#



#52
Ethylbenzene
Concen: 0.112 ug/L
RT: 9.017 min Scan# 2481
Delta R.T. 0.006 min
Lab File: VV023552.D
Acq: 16 Nov 2021 22:46

Tgt Ion: 91	Resp: 4249
Ion Ratio	Lower Upper
91 100	
106 34.3	22.5 41.9

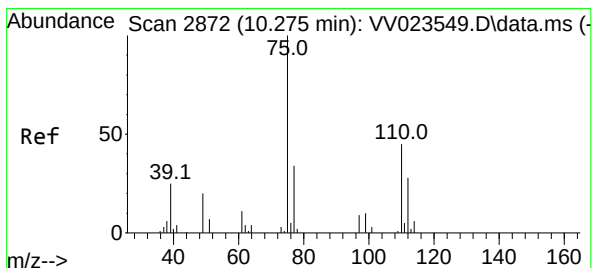
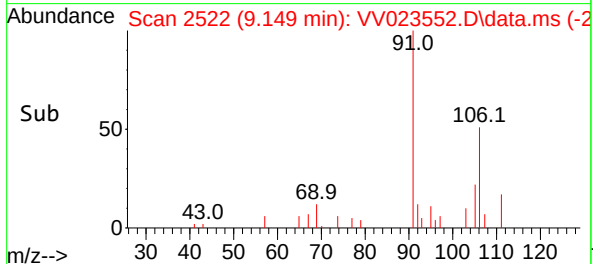
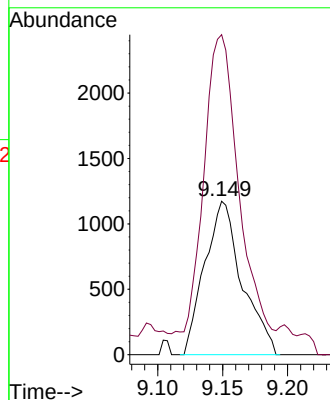
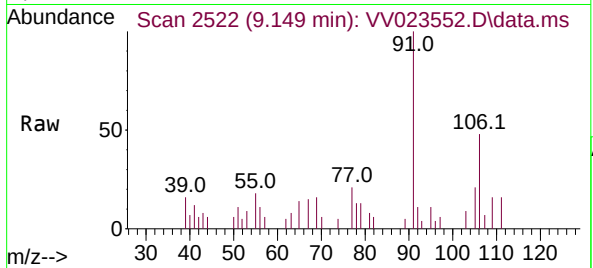




#53
m,p-xylene
Concen: 0.158 ug/L
RT: 9.149 min Scan# 21
Delta R.T. 0.009 min
Lab File: VV023552.D
Acq: 16 Nov 2021 22:46

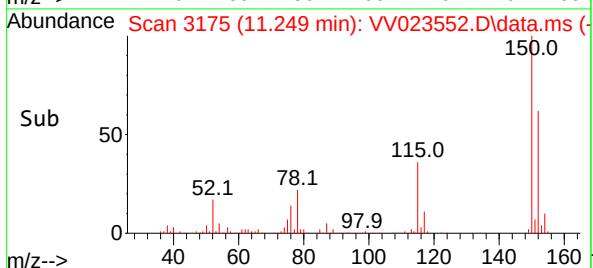
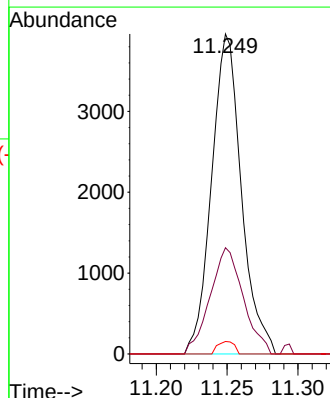
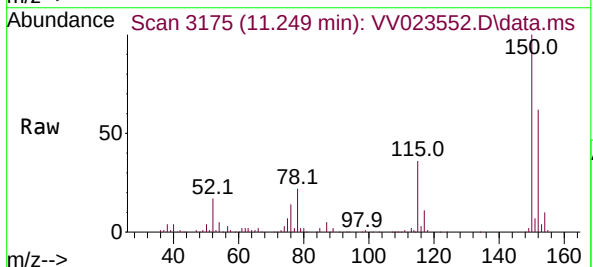
Instrument :
MSVOA_V
ClientSampleId :
H4637

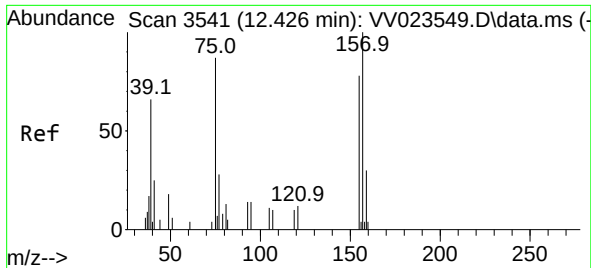
Tgt Ion:106 Resp: 2352
Ion Ratio Lower Upper
106 100
91 208.5 137.2 254.8



#61
1,2,3-Trichloropropane
Concen: 1.556 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.974 min
Lab File: VV023552.D
Acq: 16 Nov 2021 22:46

Tgt Ion: 75 Resp: 5782
Ion Ratio Lower Upper
75 100
77 36.9 26.6 39.8
110 2.2 31.8 47.6#





#68

1,2-Dibromo-3-chloropropane

Concen: 0.152 ug/L

RT: 12.249 min Scan# 34

Delta R.T. -0.177 min

Lab File: VV023552.D

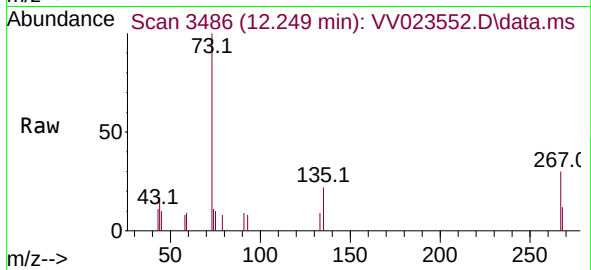
Acq: 16 Nov 2021 22:46

Instrument :

MSVOA_V

ClientSampleId :

H4637



Tgt Ion: 75 Resp: 120

Ion Ratio Lower Upper

75 100

155 0.0 67.7 101.5#

157 0.0 87.9 131.9#

