

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111621\
 Data File : VW023557.D
 Acq On : 17 Nov 2021 00:45
 Operator : SY/MD
 Sample : M4627-07
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H4641

Quant Time: Nov 17 03:41:51 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	138265	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	130254	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	65443	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	30959	3.574	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.400%
7) Chloroethane-d5	1.571	69	25191	3.568	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.400%
11) 1,1-Dichloroethene-d2	2.111	63	42458	2.618	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.400%#
20) 2-Butanone-d5	3.892	46	64061	42.929	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.860%
24) Chloroform-d	4.349	84	61415	3.327	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	66.600%#
26) 1,2-Dichloroethane-d4	5.034	65	29005	3.494	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.800%#
32) Benzene-d6	5.053	84	116839	3.496	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	70.000%
36) 1,2-Dichloropropane-d6	6.069	67	35721	3.631	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	72.600%
41) Toluene-d8	7.316	98	100131	3.197	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	64.000%#
43) trans-1,3-Dichloroprop...	7.628	79	12402	3.325	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.400%
46) 2-Hexanone-d5	8.091	63	43945	32.018	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	64.040%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	23937	3.383	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	67.600%
66) 1,2-Dichlorobenzene-d4	11.625	152	43121	3.957	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	79.200%#
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	583769	50.992	ug/L	99
8) Chloroethane	1.587	64	6241	0.945	ug/L #	61
12) 1,1-Dichloroethene	2.121	96	7872	0.955	ug/L #	29
13) Acetone	2.188	43	2386	2.617	ug/L	52
14) Carbon disulfide	2.301	76	2548	0.082	ug/L #	90
15) Methyl Acetate	2.432	43	3149	1.220	ug/L #	47
18) trans-1,2-Dichloroethene	2.760	96	194946	19.233	ug/L	97
19) 1,1-Dichloroethane	3.194	63	4662	0.272	ug/L	92
22) cis-1,2-Dichloroethene	3.908	96	1173613	120.315	ug/L #	90
33) Benzene	5.101	78	33778	0.928	ug/L	100
34) Trichloroethene	5.915	95	57404	5.929	ug/L	96
35) Methylcyclohexane	6.072	83	8760	0.573	ug/L #	20
37) 1,2-Dichloropropane	6.072	63	4399	0.518	ug/L #	83
39) cis-1,3-Dichloropropene	6.989	75	1033	0.085	ug/L #	18
42) Toluene	7.394	91	28560	0.733	ug/L	96
48) 2-Hexanone	8.149	43	3126	1.132	ug/L #	64
52) Ethylbenzene	9.017	91	18691	0.455	ug/L	97
53) m,p-xylene	9.143	106	6738	0.418	ug/L	91
54) o-xylene	9.548	106	1850	0.122	ug/L	75

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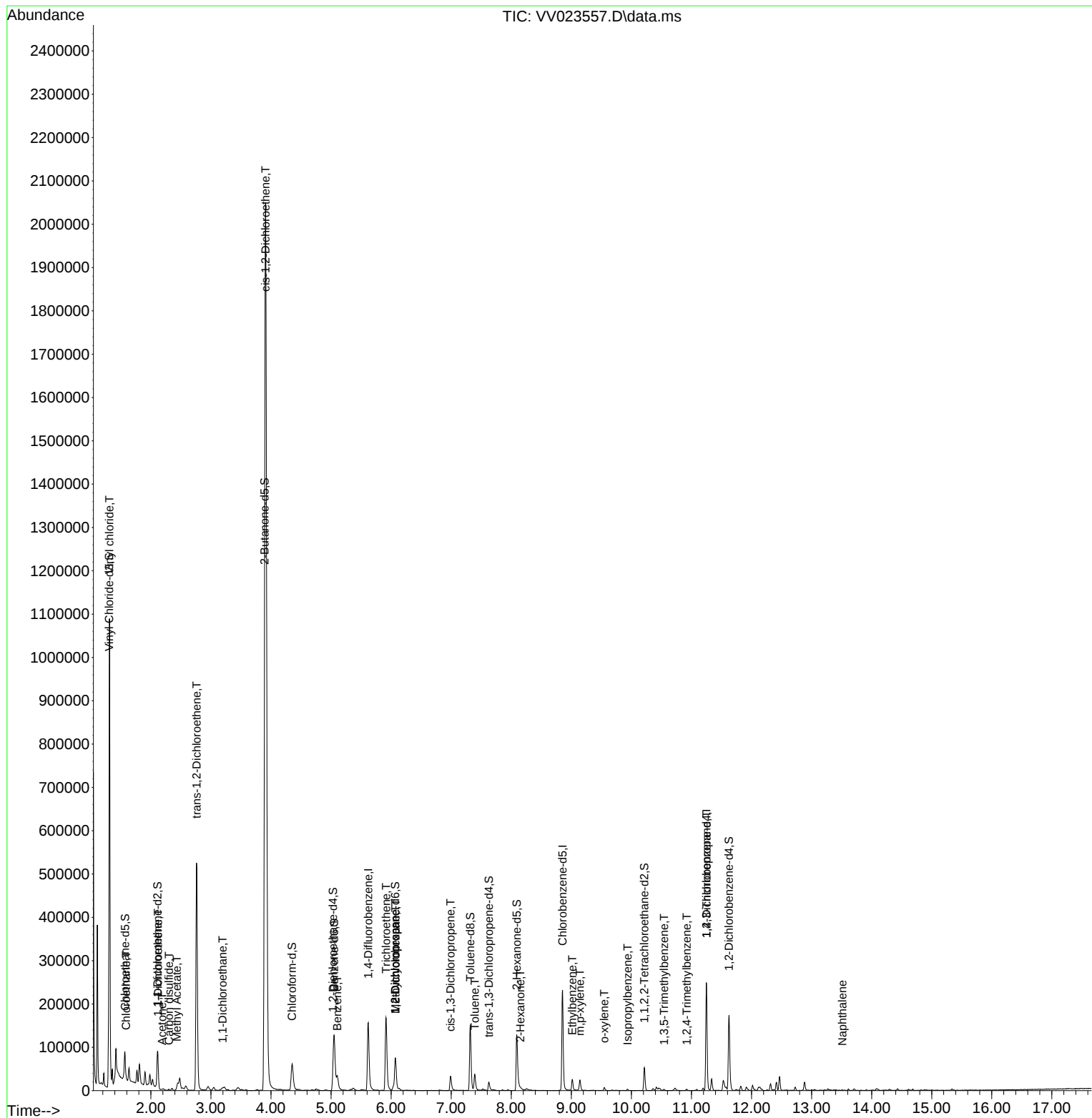
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	9.937	105	2075	0.055	ug/L	92
61) 1,2,3-Trichloropropane	11.249	75	7211	1.659	ug/L #	66
62) 1,3,5-Trimethylbenzene	10.545	105	1861	0.060	ug/L	99
63) 1,2,4-Trimethylbenzene	10.921	105	1888	0.061	ug/L	96
71) Naphthalene	13.512	128	1157	0.065	ug/L #	76

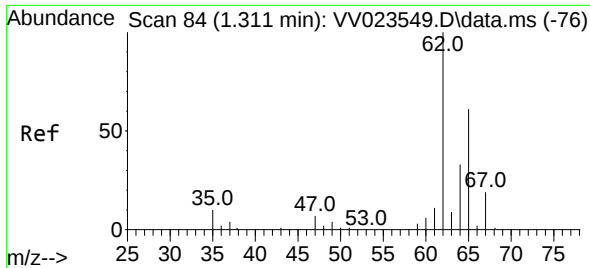
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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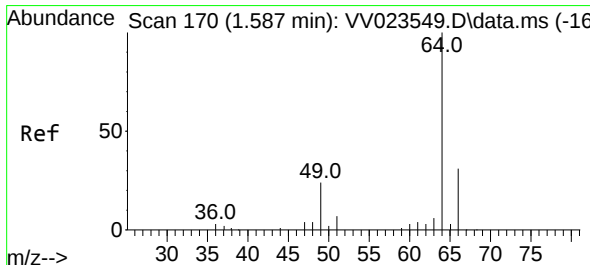
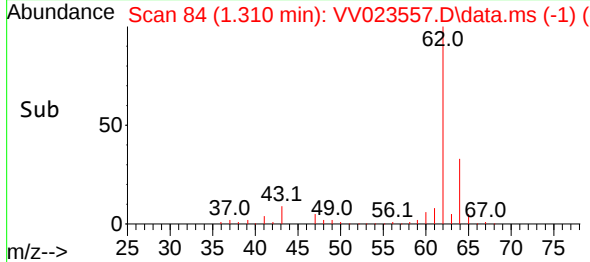
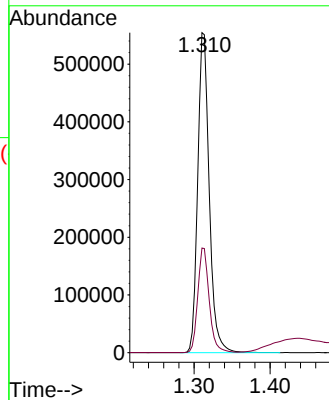
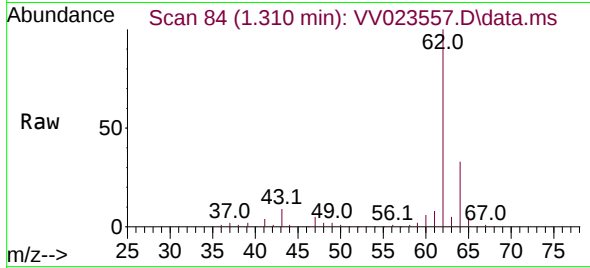




#5
 Vinyl chloride
 Concen: 50.992 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV023557.D
 Acq: 17 Nov 2021 00:45

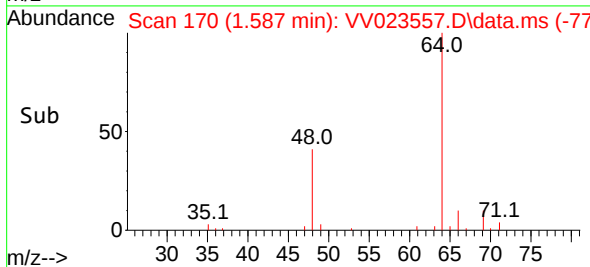
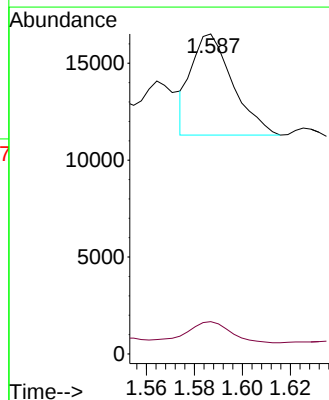
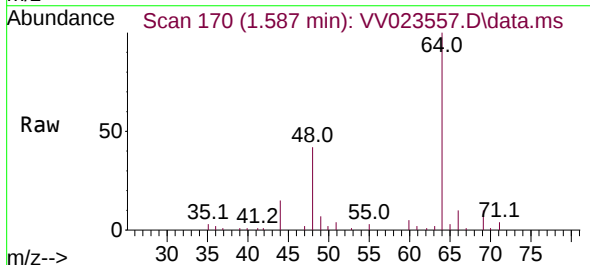
Instrument :
 MSVOA_V
 ClientSampleId :
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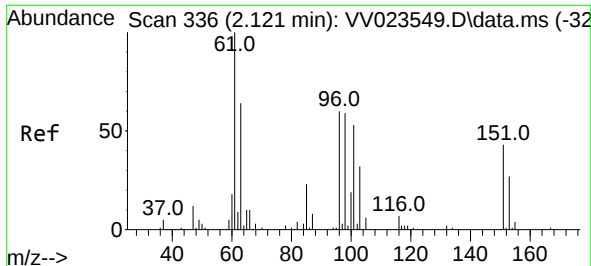
Tgt Ion: 62 Resp: 583769
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.1 42.9



#8
 Chloroethane
 Concen: 0.945 ug/L
 RT: 1.587 min Scan# 170
 Delta R.T. -0.000 min
 Lab File: VV023557.D
 Acq: 17 Nov 2021 00:45

Tgt Ion: 64 Resp: 6241
 Ion Ratio Lower Upper
 64 100
 66 10.1 22.1 41.1#





#12

1,1-Dichloroethene

Concen: 0.955 ug/L

RT: 2.121 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV023557.D

Acq: 17 Nov 2021 00:45

Instrument :

MSVOA_V

ClientSampleId :

H4641

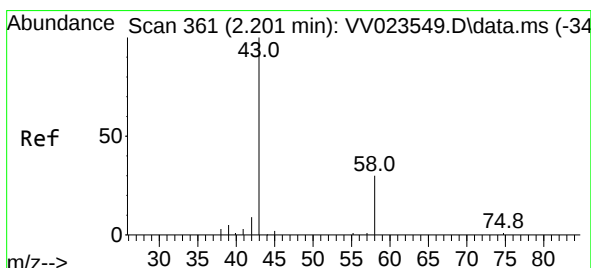
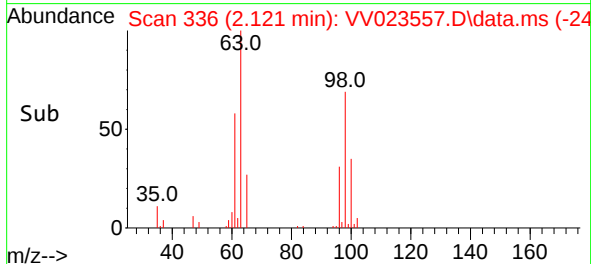
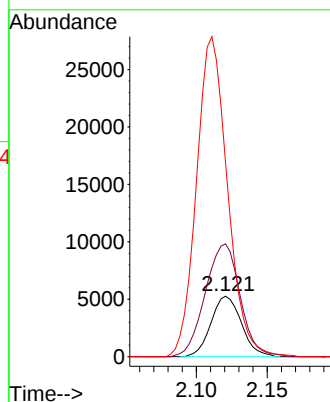
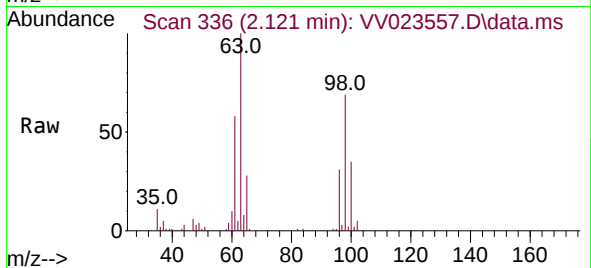
Tgt Ion: 96 Resp: 7872

Ion Ratio Lower Upper

96 100

61 186.6 121.5 225.7

63 322.1 99.6 185.0#



#13

Acetone

Concen: 2.617 ug/L

RT: 2.188 min Scan# 357

Delta R.T. -0.013 min

Lab File: VV023557.D

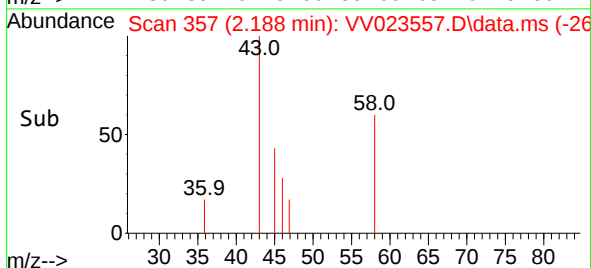
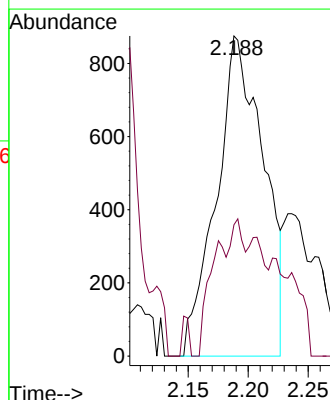
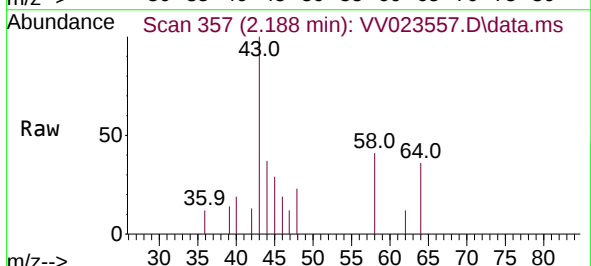
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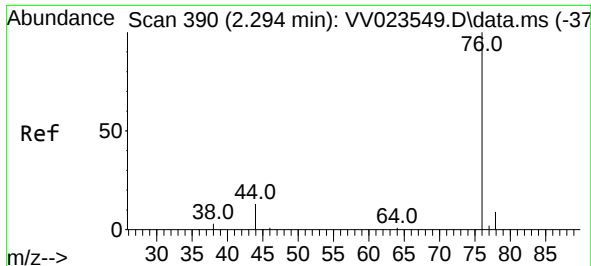
Tgt Ion: 43 Resp: 2386

Ion Ratio Lower Upper

43 100

58 2.6 0.0 55.4

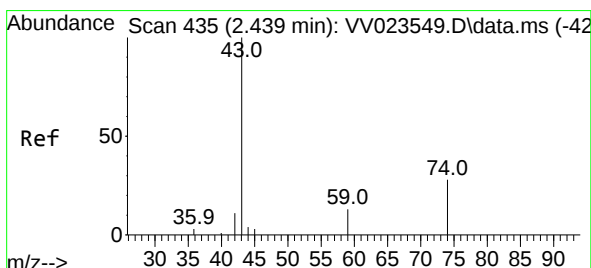
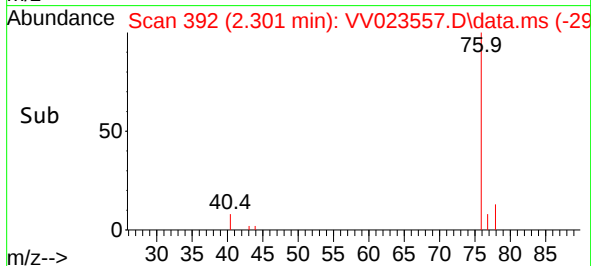
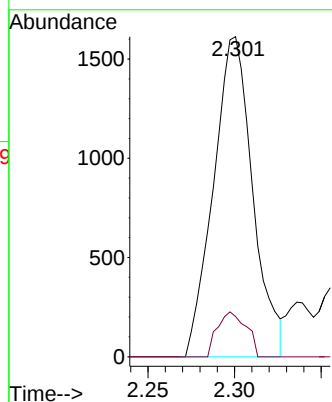
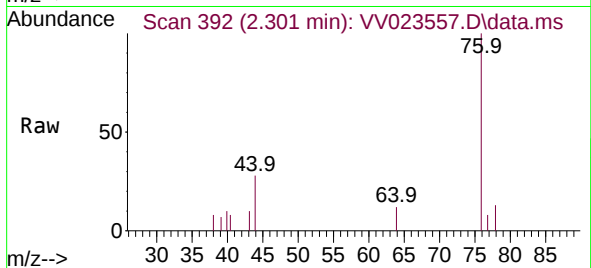




#14
Carbon disulfide
Concen: 0.082 ug/L
RT: 2.301 min Scan# 391
Delta R.T. 0.006 min
Lab File: VV023557.D
Acq: 17 Nov 2021 00:45

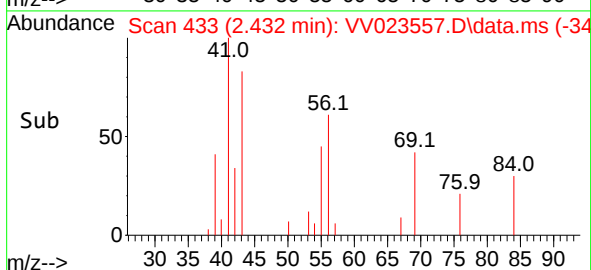
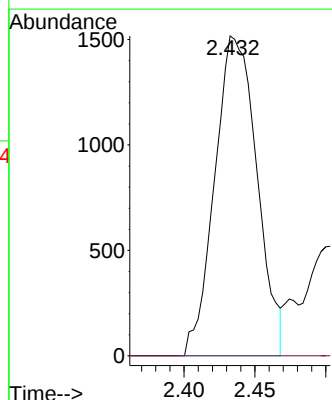
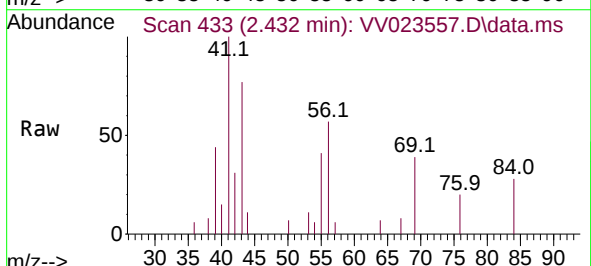
Instrument :
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ClientSampleId :
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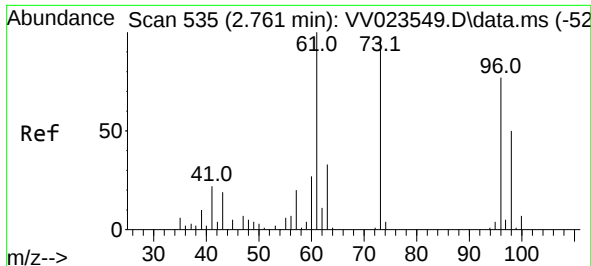
Tgt Ion: 76 Resp: 2548
Ion Ratio Lower Upper
76 100
78 12.6 7.2 10.8#



#15
Methyl Acetate
Concen: 1.220 ug/L
RT: 2.432 min Scan# 433
Delta R.T. -0.007 min
Lab File: VV023557.D
Acq: 17 Nov 2021 00:45

Tgt Ion: 43 Resp: 3149
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#

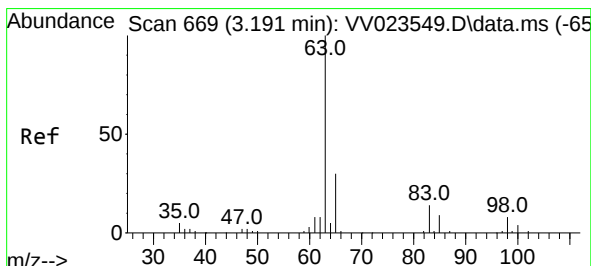
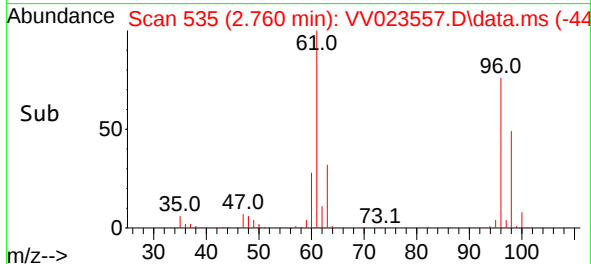
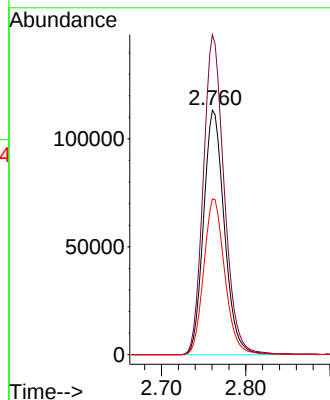
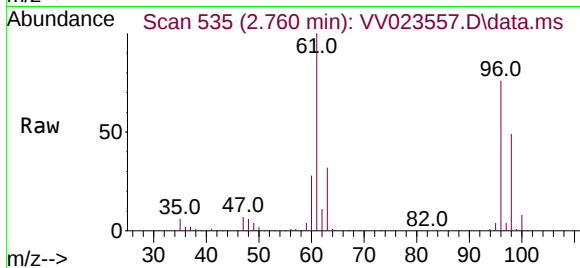




#18
 trans-1,2-Dichloroethene
 Concen: 19.233 ug/L
 RT: 2.760 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VV023557.D
 Acq: 17 Nov 2021 00:45

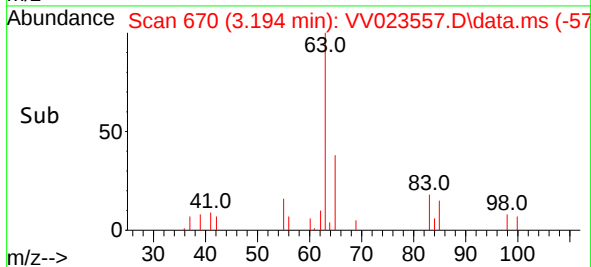
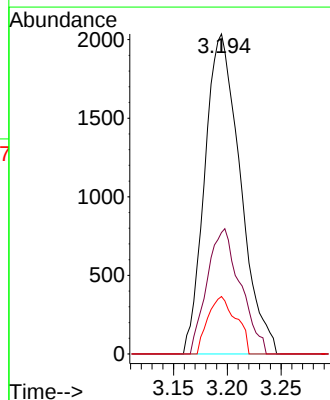
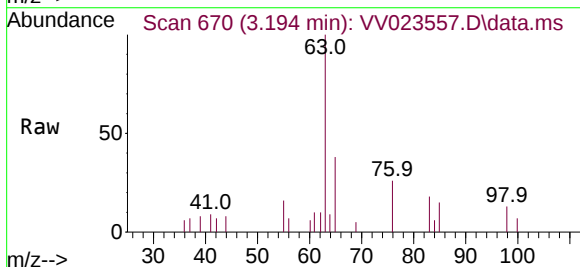
Instrument :
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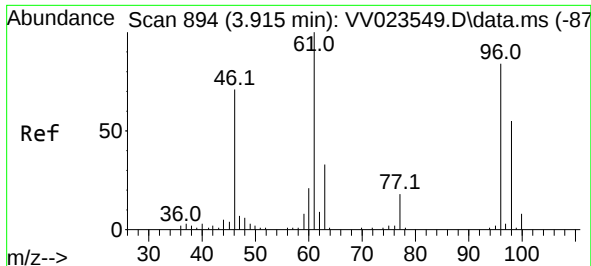
Tgt Ion: 96 Resp: 194946
 Ion Ratio Lower Upper
 96 100
 61 130.9 93.2 173.2
 98 63.8 47.0 87.2



#19
 1,1-Dichloroethane
 Concen: 0.272 ug/L
 RT: 3.194 min Scan# 670
 Delta R.T. 0.003 min
 Lab File: VV023557.D
 Acq: 17 Nov 2021 00:45

Tgt Ion: 63 Resp: 4662
 Ion Ratio Lower Upper
 63 100
 65 38.0 22.6 42.0
 83 18.0 11.1 20.7





#22

cis-1,2-Dichloroethene

Concen: 120.315 ug/L

RT: 3.908 min Scan# 894

Delta R.T. -0.007 min

Lab File: VV023557.D

Acq: 17 Nov 2021 00:45

Instrument :

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ClientSampleId :

H4641

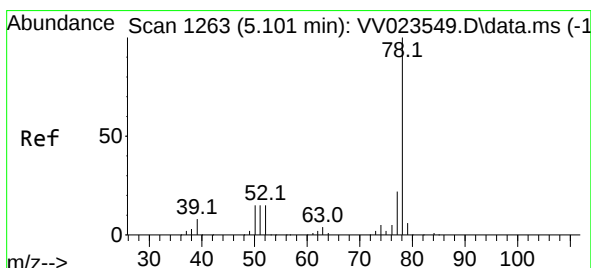
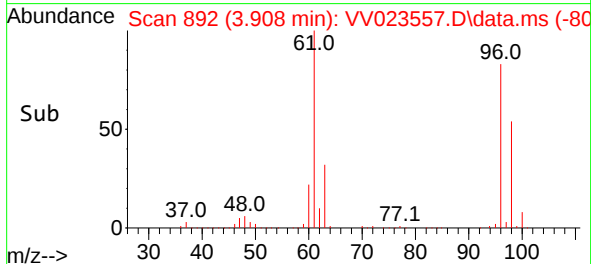
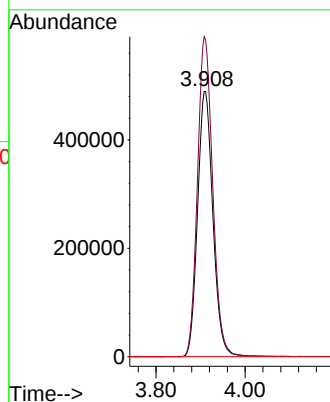
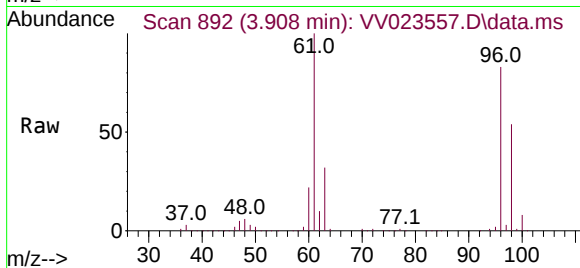
Tgt Ion: 96 Resp: 1173613

Ion Ratio Lower Upper

96 100

61 120.6 92.3 171.3

68 0.0 0.4 0.8#



#33

Benzene

Concen: 0.928 ug/L

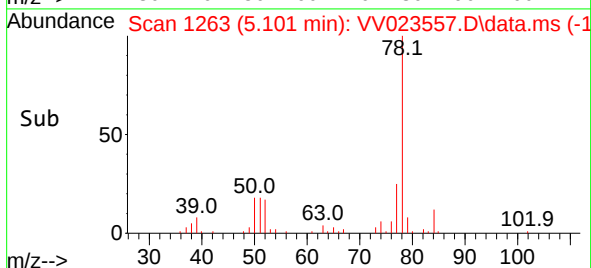
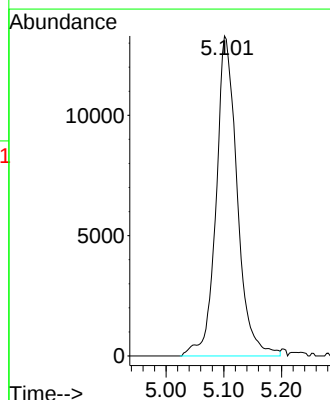
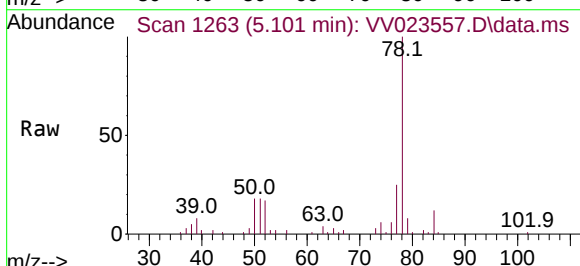
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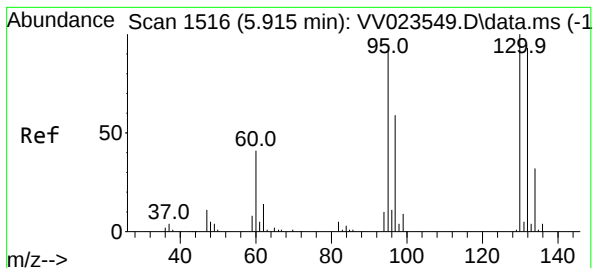
Delta R.T. -0.000 min

Lab File: VV023557.D

Acq: 17 Nov 2021 00:45

Tgt Ion: 78 Resp: 33778





#34

Trichloroethene

Concen: 5.929 ug/L

RT: 5.915 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV023557.D

Acq: 17 Nov 2021 00:45

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Tgt Ion: 95 Resp: 57404

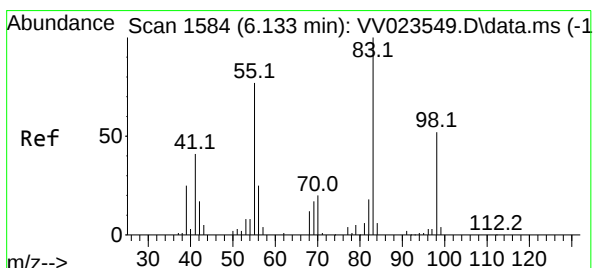
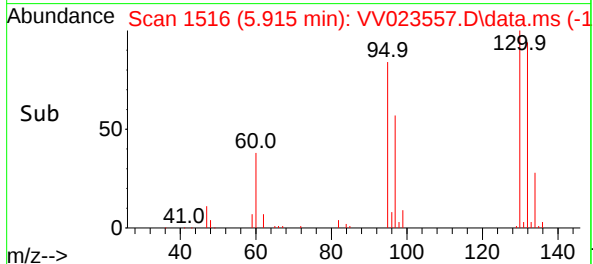
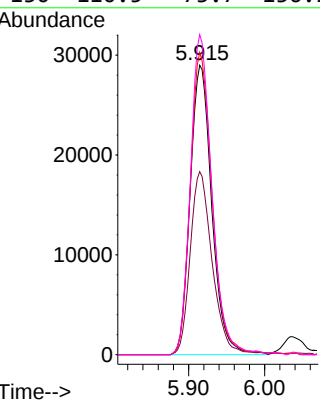
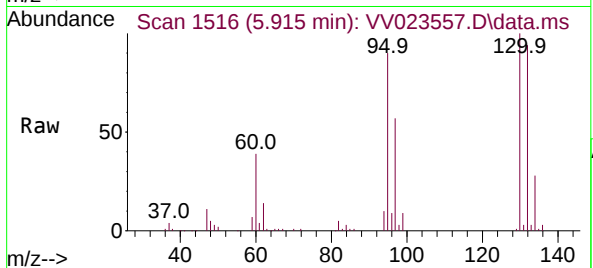
Ion Ratio Lower Upper

95 100

97 63.3 45.0 83.6

132 104.4 69.7 129.4

130 110.5 73.7 136.9



#35

Methylcyclohexane

Concen: 0.573 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.061 min

Lab File: VV023557.D

Acq: 17 Nov 2021 00:45

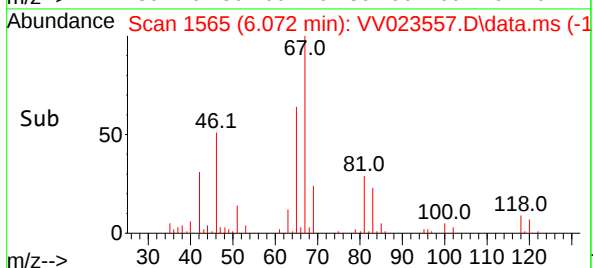
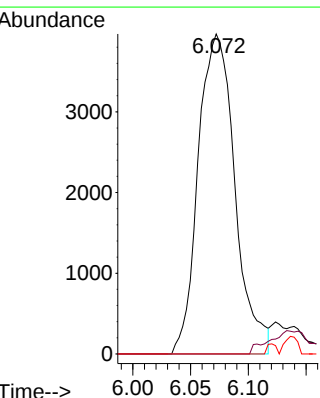
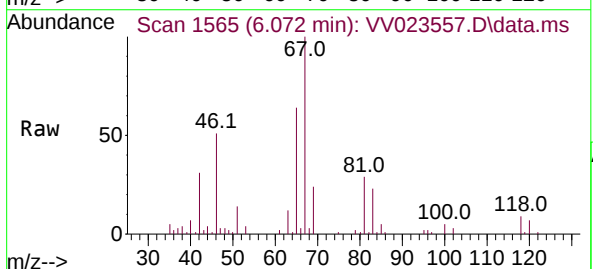
Tgt Ion: 83 Resp: 8760

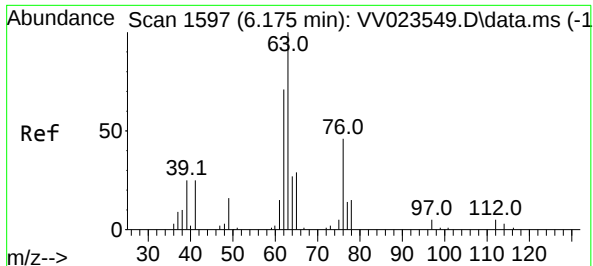
Ion Ratio Lower Upper

83 100

55 3.2 62.8 94.2#

98 0.8 37.9 56.9#





#37

1,2-Dichloropropane

Concen: 0.518 ug/L

RT: 6.072 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV023557.D

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ClientSampleId :

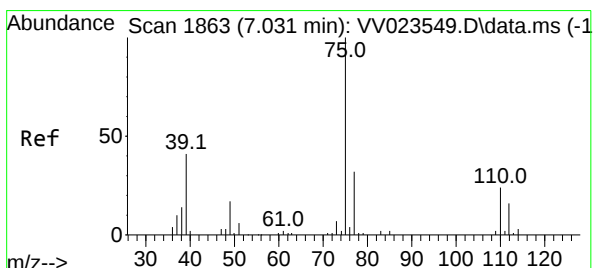
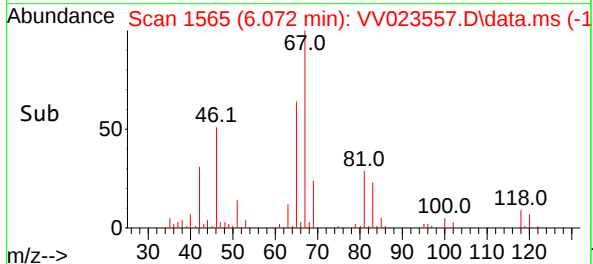
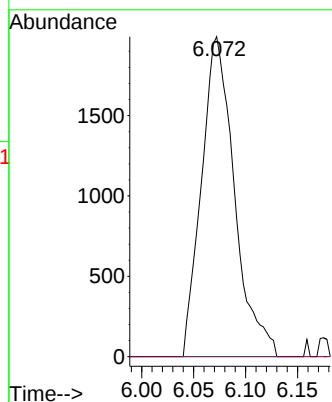
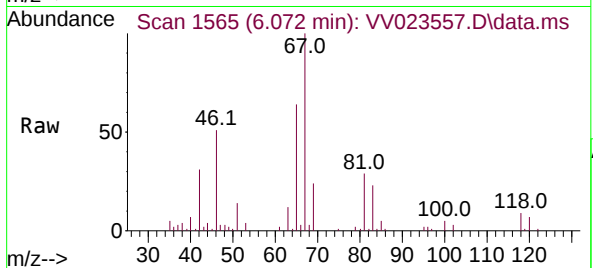
H4641

Tgt Ion: 63 Resp: 4399

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#39

cis-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.042 min

Lab File: VV023557.D

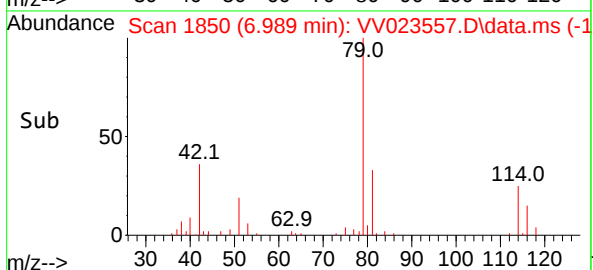
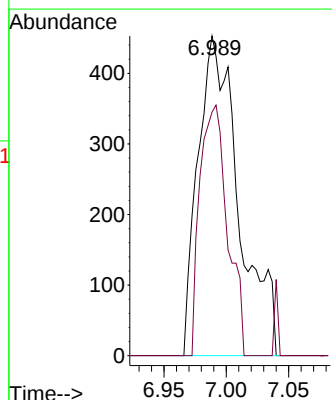
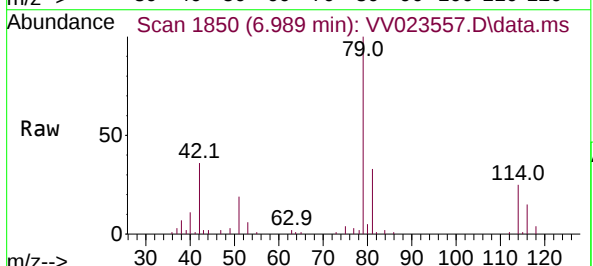
Acq: 17 Nov 2021 00:45

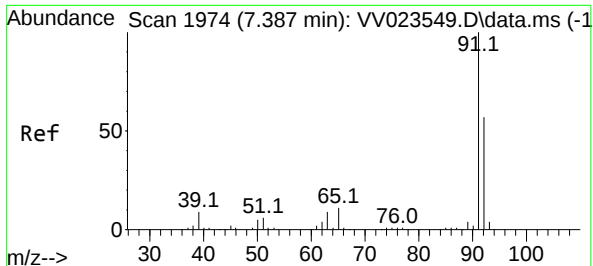
Tgt Ion: 75 Resp: 1033

Ion Ratio Lower Upper

75 100

77 76.2 21.6 40.2#





#42

Toluene

Concen: 0.733 ug/L

RT: 7.394 min Scan# 1974

Delta R.T. 0.006 min

Lab File: VV023557.D

Acq: 17 Nov 2021 00:45

Instrument :

MSVOA_V

ClientSampleId :

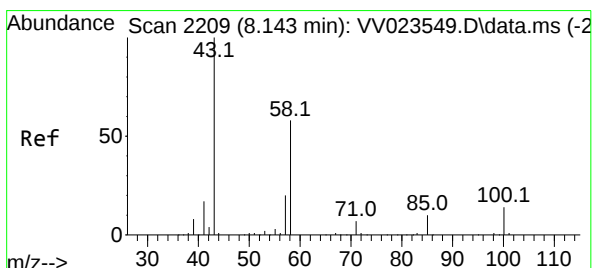
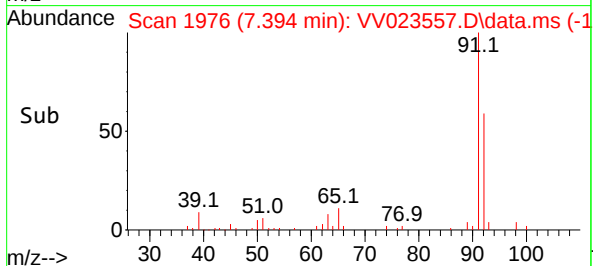
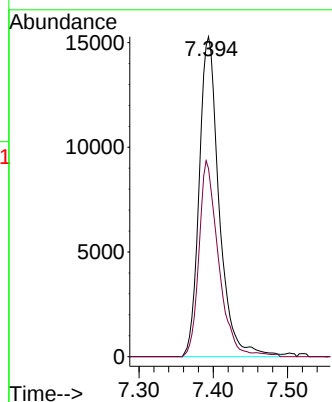
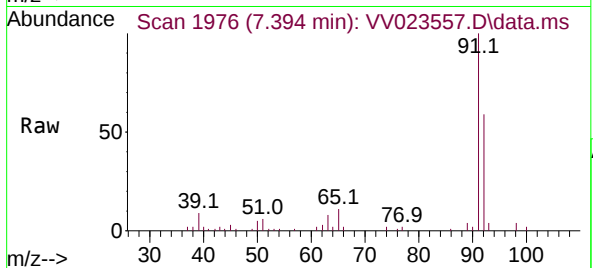
H4641

Tgt Ion: 91 Resp: 28560

Ion Ratio Lower Upper

91 100

92 58.8 39.3 72.9



#48

2-Hexanone

Concen: 1.132 ug/L

RT: 8.149 min Scan# 2211

Delta R.T. 0.006 min

Lab File: VV023557.D

Acq: 17 Nov 2021 00:45

Tgt Ion: 43 Resp: 3126

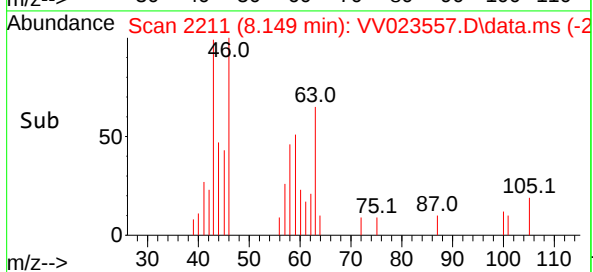
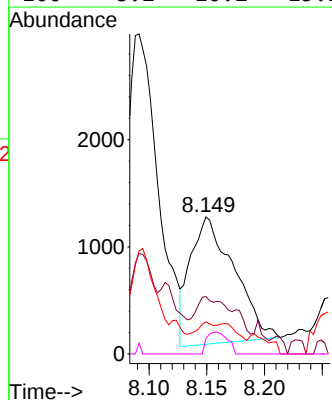
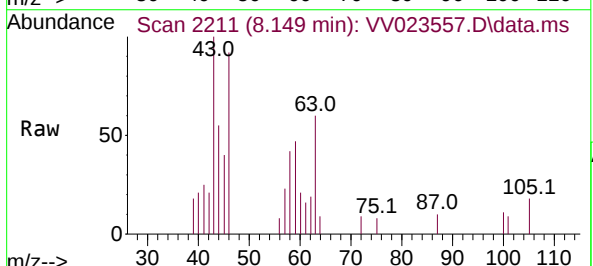
Ion Ratio Lower Upper

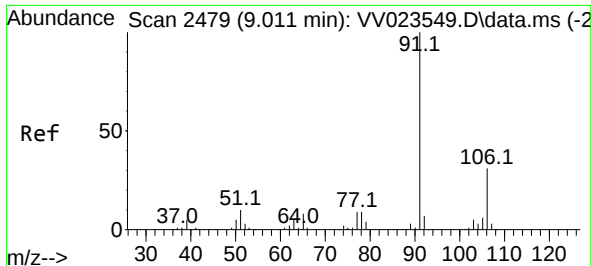
43 100

58 23.6 43.7 65.5#

57 2.9 14.1 21.1#

100 8.2 10.2 15.2#

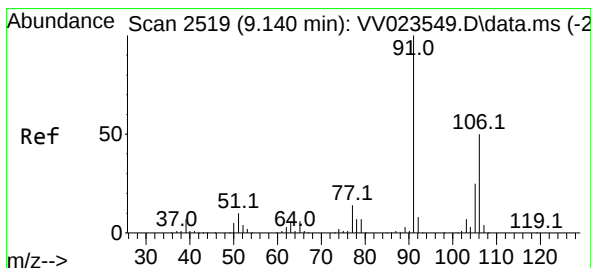
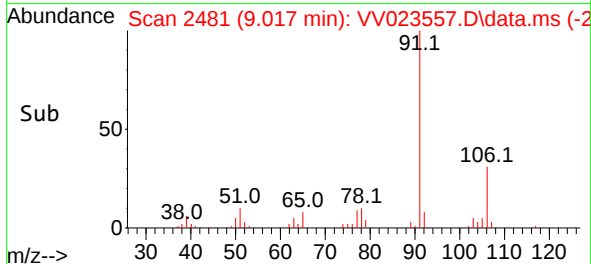
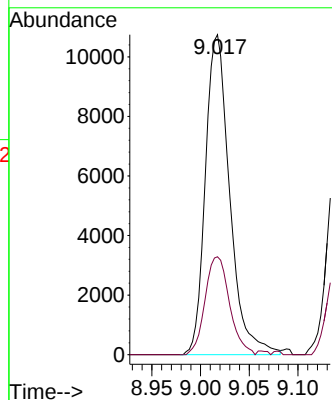
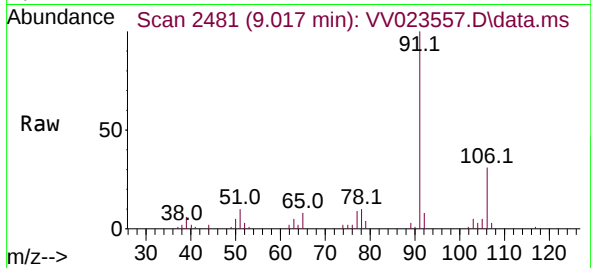




#52
Ethylbenzene
Concen: 0.455 ug/L
RT: 9.017 min Scan# 2479
Delta R.T. 0.006 min
Lab File: VV023557.D
Acq: 17 Nov 2021 00:45

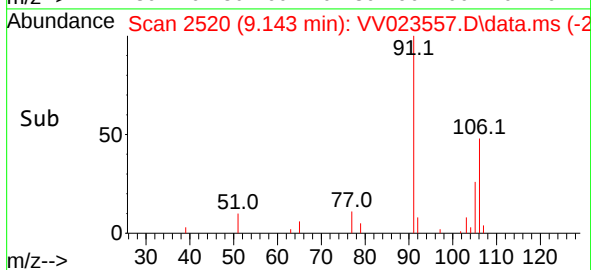
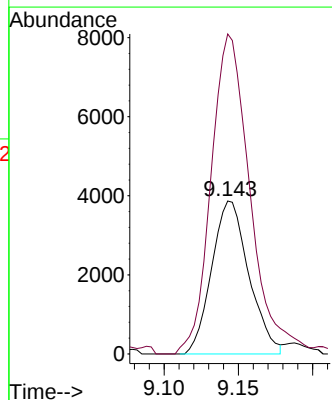
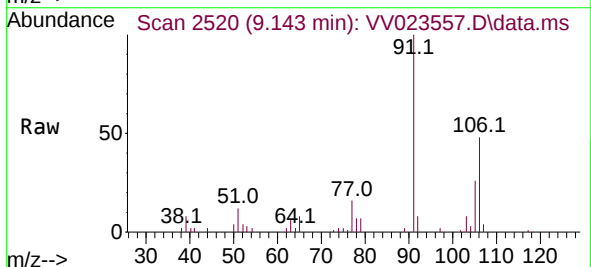
Instrument :
MSVOA_V
ClientSampleId :
H4641

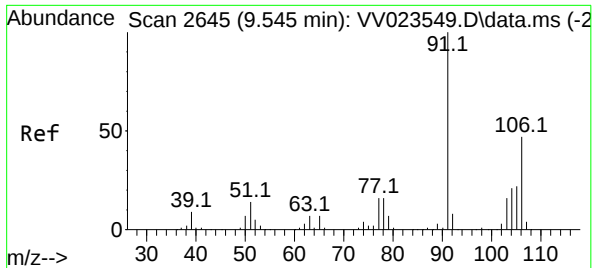
Tgt Ion: 91 Resp: 18691
Ion Ratio Lower Upper
91 100
106 30.6 22.5 41.9



#53
m,p-xylene
Concen: 0.418 ug/L
RT: 9.143 min Scan# 2520
Delta R.T. 0.003 min
Lab File: VV023557.D
Acq: 17 Nov 2021 00:45

Tgt Ion: 106 Resp: 6738
Ion Ratio Lower Upper
106 100
91 209.1 137.2 254.8

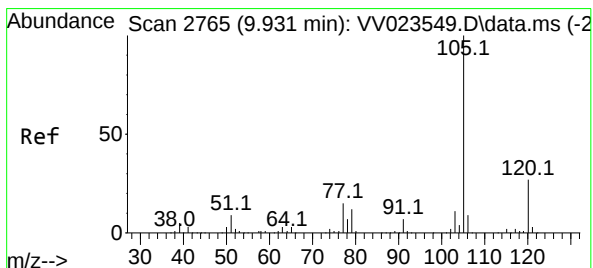
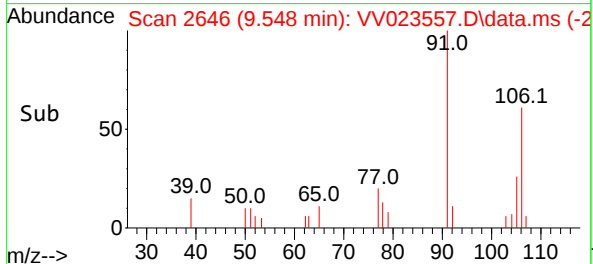
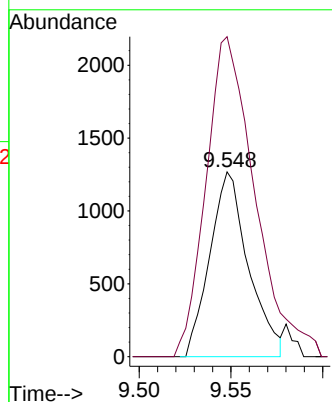
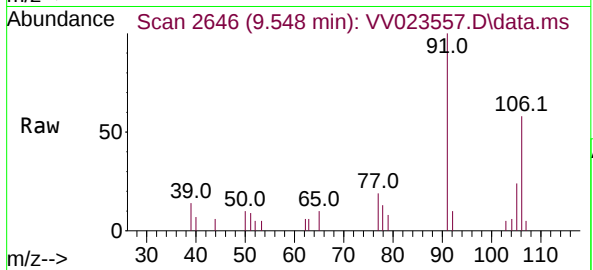




#54
o-xylene
Concen: 0.122 ug/L
RT: 9.548 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV023557.D
Acq: 17 Nov 2021 00:45

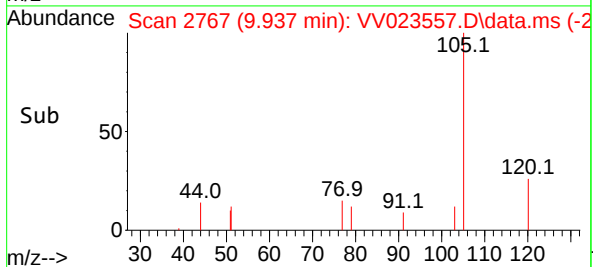
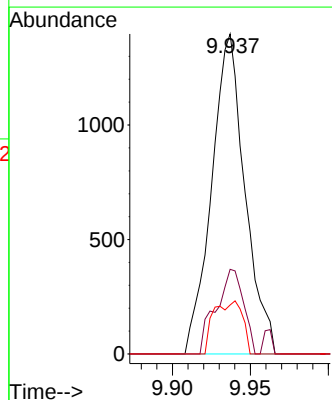
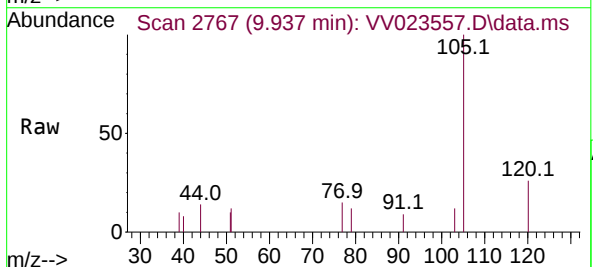
Instrument :
MSVOA_V
ClientSampleId :
H4641

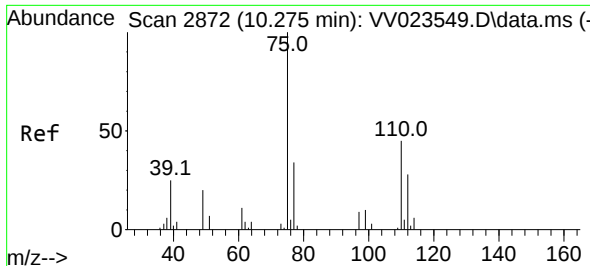
Tgt Ion:106 Resp: 1850
Ion Ratio Lower Upper
106 100
91 173.2 148.3 275.5



#60
Isopropylbenzene
Concen: 0.055 ug/L
RT: 9.937 min Scan# 2767
Delta R.T. 0.006 min
Lab File: VV023557.D
Acq: 17 Nov 2021 00:45

Tgt Ion:105 Resp: 2075
Ion Ratio Lower Upper
105 100
120 21.9 21.7 32.5
77 14.3 12.6 19.0

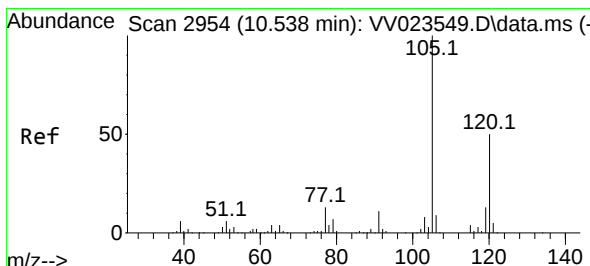
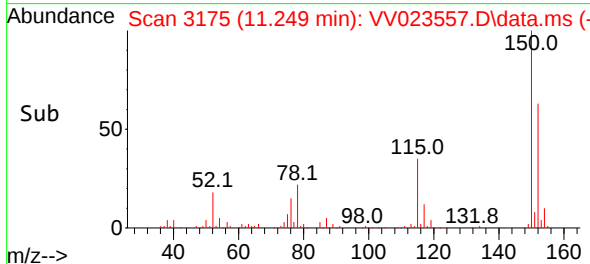
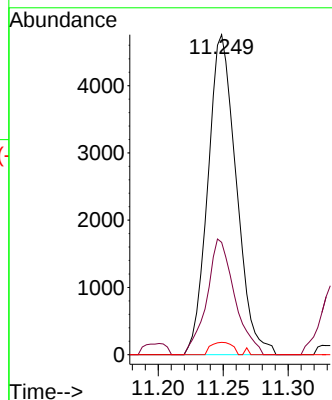
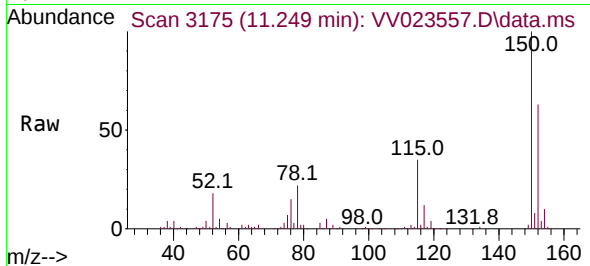




#61
 1,2,3-Trichloropropane
 Concen: 1.659 ug/L
 RT: 11.249 min Scan# 3175
 Delta R.T. 0.974 min
 Lab File: VV023557.D
 Acq: 17 Nov 2021 00:45

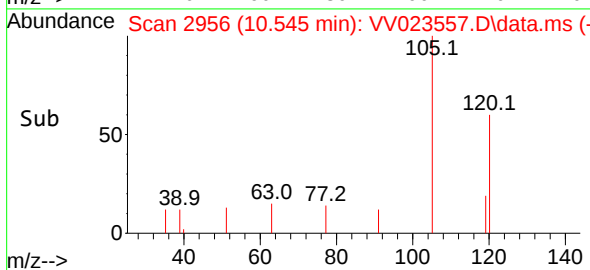
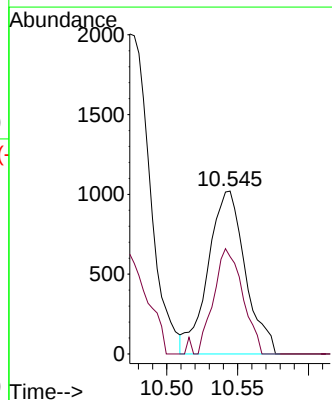
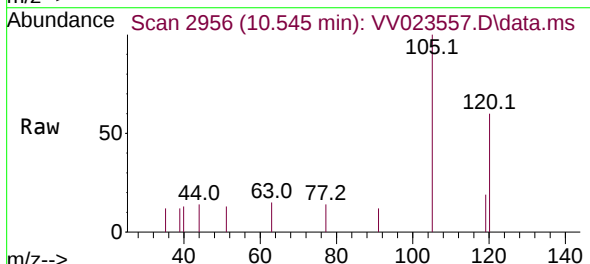
Instrument :
 MSVOA_V
 ClientSampleId :
 H4641

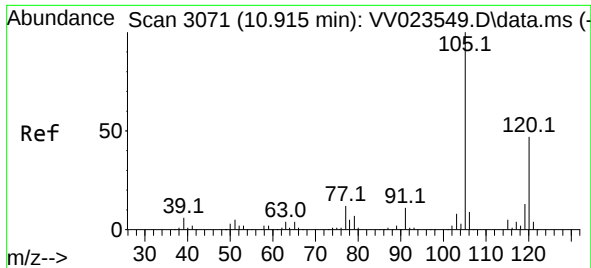
Tgt Ion: 75 Resp: 7211
 Ion Ratio Lower Upper
 75 100
 77 35.3 26.6 39.8
 110 2.9 31.8 47.6#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.060 ug/L
 RT: 10.545 min Scan# 2956
 Delta R.T. 0.006 min
 Lab File: VV023557.D
 Acq: 17 Nov 2021 00:45

Tgt Ion: 105 Resp: 1861
 Ion Ratio Lower Upper
 105 100
 120 50.3 39.7 59.5

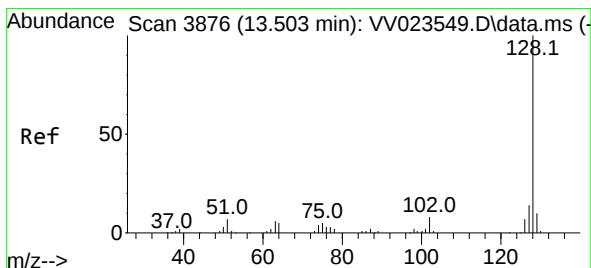
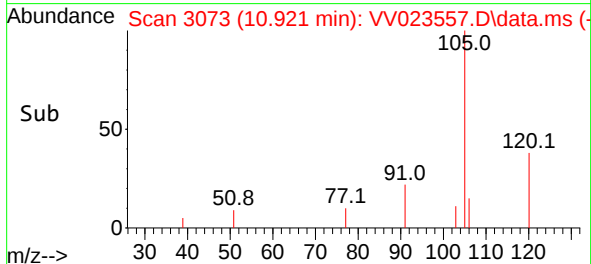
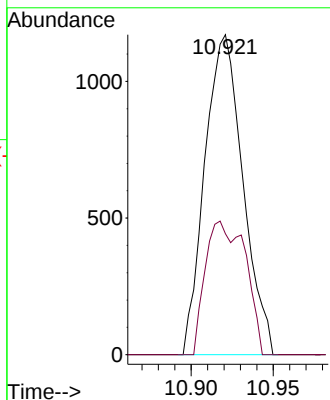
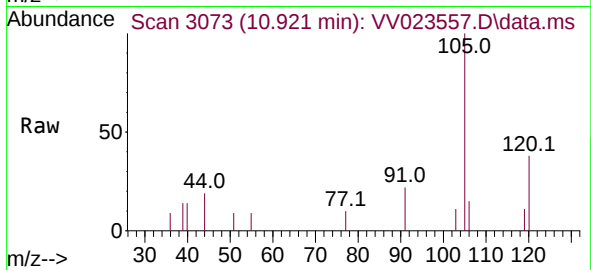




#63
1,2,4-Trimethylbenzene
Concen: 0.061 ug/L
RT: 10.921 min Scan# 3073
Delta R.T. 0.006 min
Lab File: VV023557.D
Acq: 17 Nov 2021 00:45

Instrument :
MSVOA_V
ClientSampleId :
H4641

Tgt Ion:105 Resp: 1888
Ion Ratio Lower Upper
105 100
120 43.9 37.4 56.2



#71
Naphthalene
Concen: 0.065 ug/L
RT: 13.512 min Scan# 3879
Delta R.T. 0.009 min
Lab File: VV023557.D
Acq: 17 Nov 2021 00:45

Tgt Ion:128 Resp: 1157
Ion Ratio Lower Upper
128 100
129 5.6 8.6 13.0#
127 0.0 10.5 15.7#

