

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052121\
 Data File : VV021361.D
 Acq On : 21 May 2021 16:09
 Operator : SY/MD
 Sample : M2494-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 22 01:40:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR052121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 21 12:12:53 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	293023	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	271917	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	146141	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	79224	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	1.564	69	66397	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.80%
11) 1,1-Dichloroethene-d2	2.111	63	256590	8.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	160.40%#
20) 2-Butanone-d5	3.908	46	233788	45.77	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.54%
24) Chloroform-d	4.352	84	166949	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
26) 1,2-Dichloroethane-d4	5.037	65	82620	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
32) Benzene-d6	5.053	84	346576	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
36) 1,2-Dichloropropane-d6	6.072	67	109009	4.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.80%
41) Toluene-d8	7.320	98	323593	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloroprop...	7.625	79	45824	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.092	63	154674	41.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.56%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	61888	4.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.80%
66) 1,2-Dichlorobenzene-d4	11.625	152	132980	4.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.60%
Target Compounds						Qvalue
5) Vinyl chloride	1.307	62	1659	0.08	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	1783	0.11	ug/L #	32
12) 1,1-Dichloroethene	2.114	96	320299	19.81	ug/L #	84
13) Acetone	2.198	43	6668	2.41	ug/L	74
15) Methyl Acetate	2.198	43	6483	1.01	ug/L #	50
18) trans-1,2-Dichloroethene	2.761	96	2878	0.15	ug/L	97
19) 1,1-Dichloroethane	3.191	63	292915	8.42	ug/L	100
22) cis-1,2-Dichloroethene	3.915	96	21870	1.01	ug/L	95
25) Chloroform	4.378	83	3300	0.09	ug/L	97
27) 1,2-Dichloroethane	5.146	62	7221	0.36	ug/L	96
34) Trichloroethene	5.915	95	256741	11.07	ug/L	99
35) Methylcyclohexane	6.072	83	25913	0.74	ug/L #	20
39) cis-1,3-Dichloropropene	6.992	75	2950	0.10	ug/L #	60
42) Toluene	7.400	91	6504	0.08	ug/L	99
47) Tetrachloroethene	7.982	164	2639	0.14	ug/L	94
48) 2-Hexanone	8.143	43	41820	4.85	ug/L #	85
49) Dibromochloromethane	7.979	129	2371	0.13	ug/L #	11
60) Isopropylbenzene	10.927	105	1501	0.02	ug/L #	92
61) 1,2,3-Trichloropropane	11.246	75	15004	1.38	ug/L #	65

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri May 21 12:12:53 2021
Response via : Initial Calibration

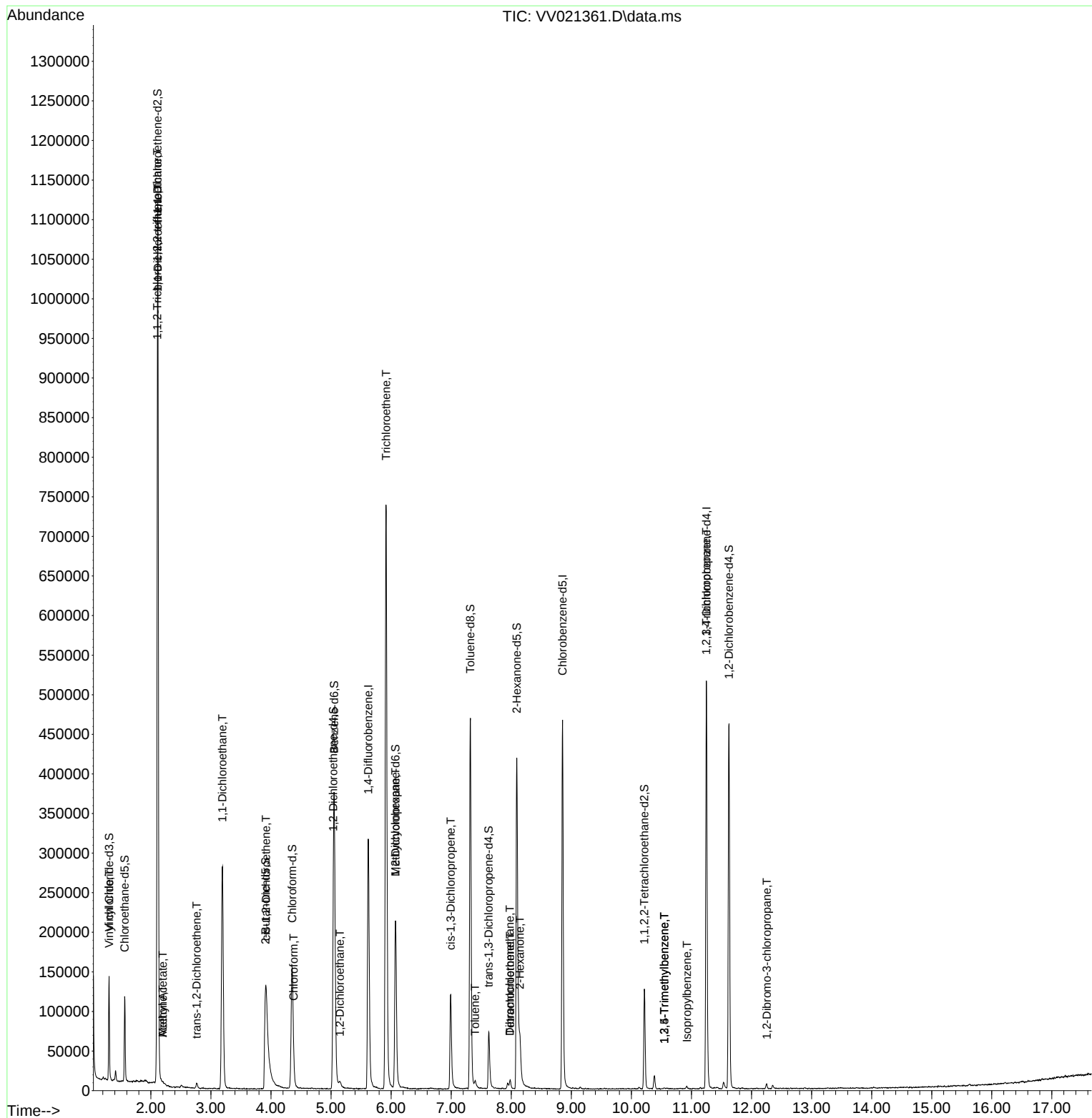
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	10.548	105	549	0.01	ug/L #	83
63) 1,2,4-Trimethylbenzene	10.548	105	549	0.01	ug/L	88
68) 1,2-Dibromo-3-chloropr...	12.252	75	195	0.09	ug/L #	1

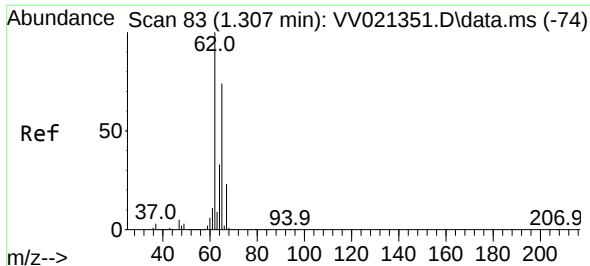
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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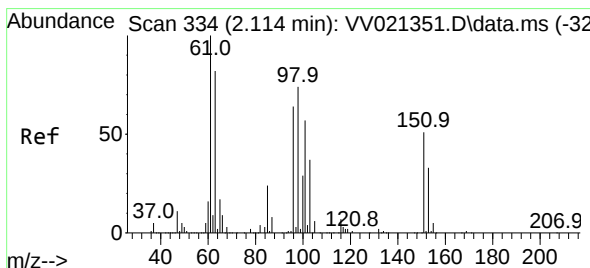
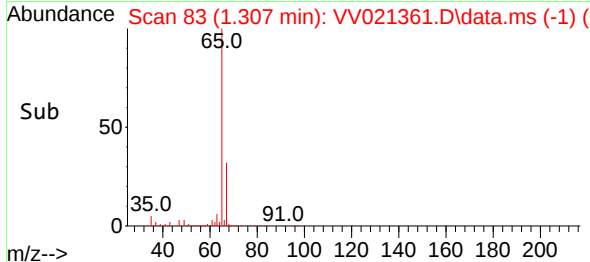
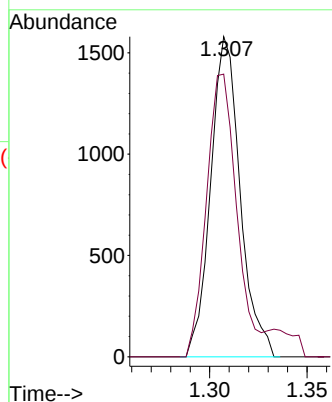
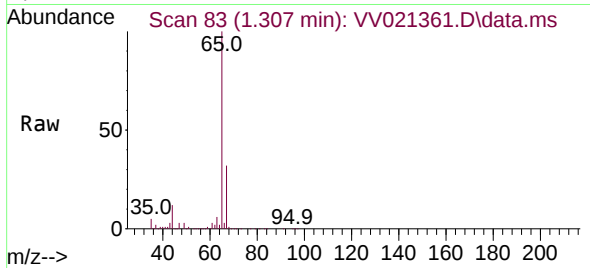




#5
 Vinyl chloride
 Concen: 0.08 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VV021361.D
 Acq: 21 May 2021 16:09

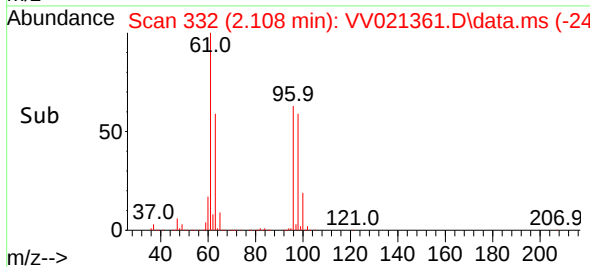
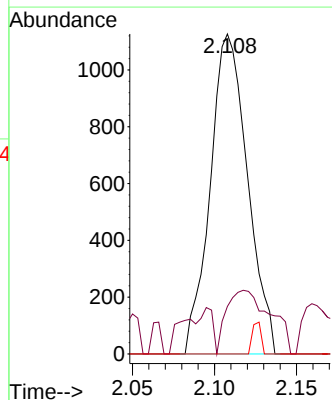
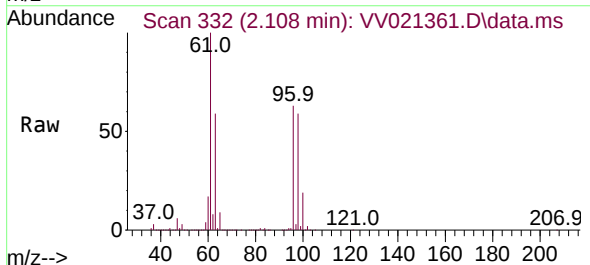
Instrument :
 MSVOA_V
 ClientSampled :

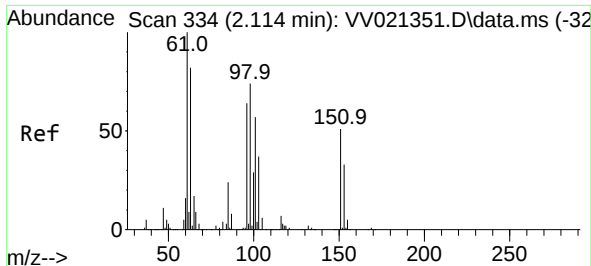
Tgt Ion: 62 Resp: 1659
 Ion Ratio Lower Upper
 62 100
 64 88.3 22.8 42.4#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.11 ug/L
 RT: 2.108 min Scan# 332
 Delta R.T. -0.007 min
 Lab File: VV021361.D
 Acq: 21 May 2021 16:09

Tgt Ion: 101 Resp: 1783
 Ion Ratio Lower Upper
 101 100
 85 23.4 33.0 49.6#
 151 2.3 64.2 96.2#





#12

1,1-Dichloroethene

Concen: 19.81 ug/L

RT: 2.114 min Scan# 334

Delta R.T. -0.000 min

Lab File: VV021361.D

Acq: 21 May 2021 16:09

Tgt Ion: 96 Resp: 320299

Ion Ratio Lower Upper

96 100

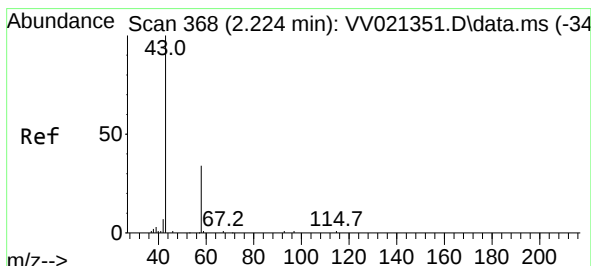
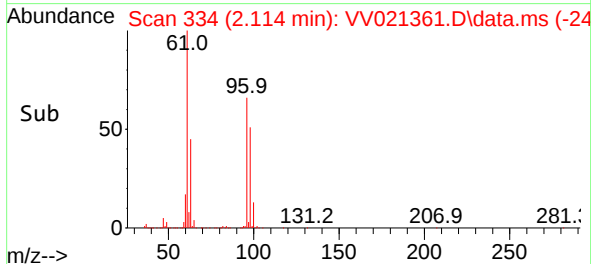
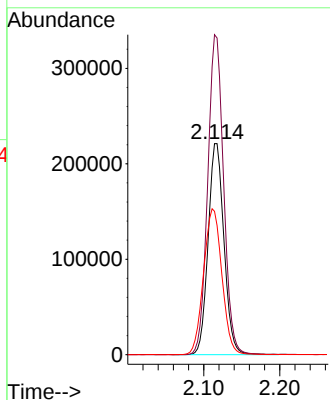
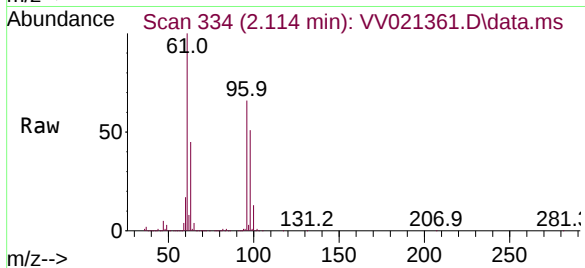
61 151.6 109.8 204.0

63 67.9 71.3 132.3#

Instrument :

MSVOA_V

ClientSampleId :



#13

Acetone

Concen: 2.41 ug/L

RT: 2.198 min Scan# 360

Delta R.T. -0.026 min

Lab File: VV021361.D

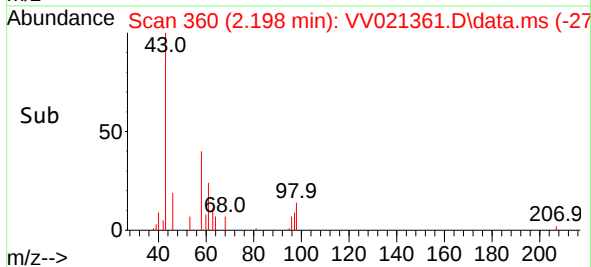
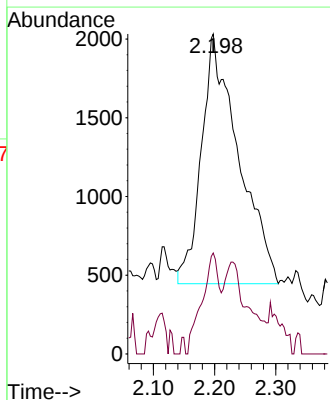
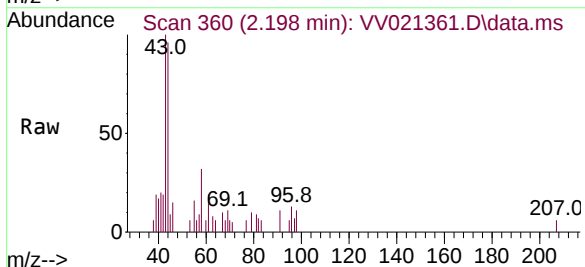
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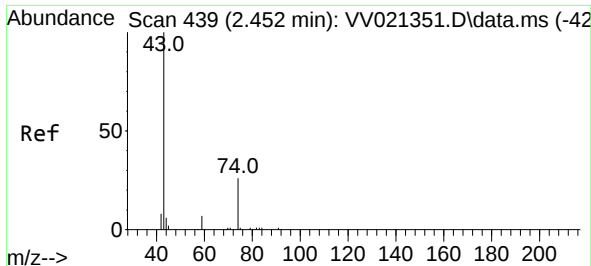
Tgt Ion: 43 Resp: 6668

Ion Ratio Lower Upper

43 100

58 18.9 0.0 67.4

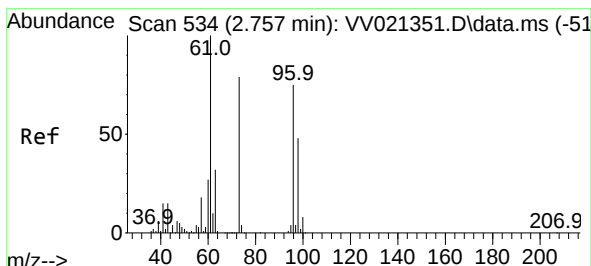
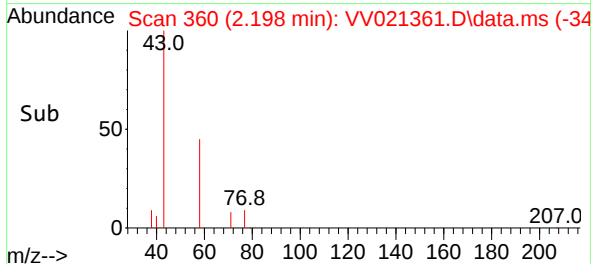
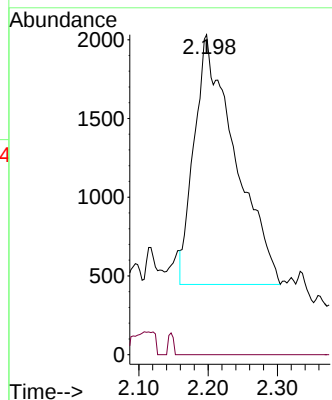
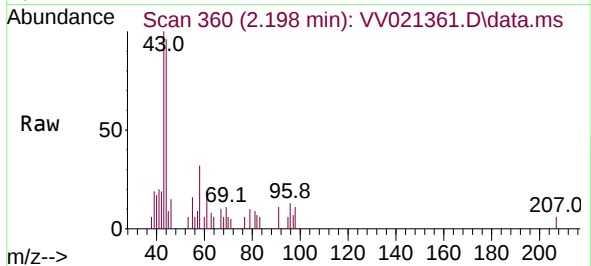




#15
Methyl Acetate
Concen: 1.01 ug/L
RT: 2.198 min Scan# 360
Delta R.T. -0.254 min
Lab File: VV021361.D
Acq: 21 May 2021 16:09

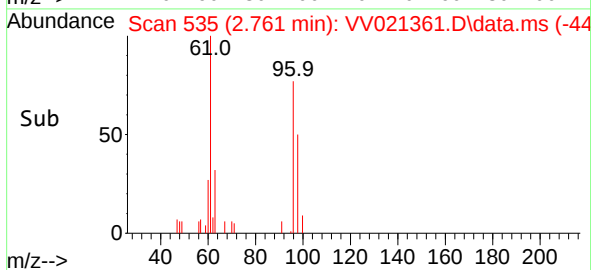
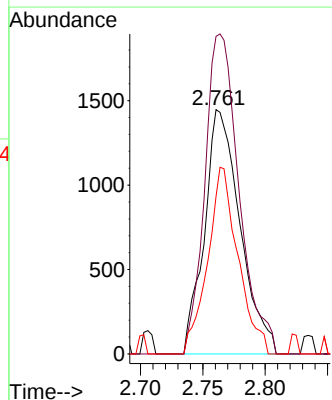
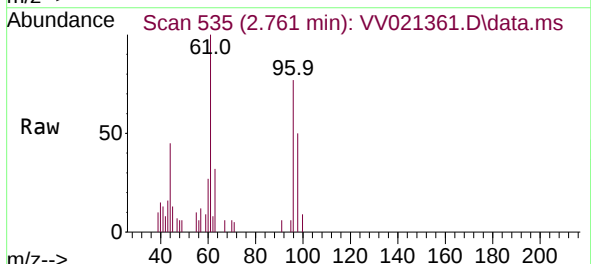
Instrument :
MSVOA_V
ClientSampleId :

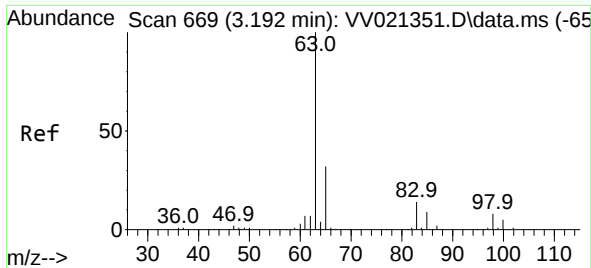
Tgt Ion: 43 Resp: 6483
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#18
trans-1,2-Dichloroethene
Concen: 0.15 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.003 min
Lab File: VV021361.D
Acq: 21 May 2021 16:09

Tgt Ion: 96 Resp: 2878
Ion Ratio Lower Upper
96 100
61 130.0 94.1 174.8
98 64.5 45.0 83.6

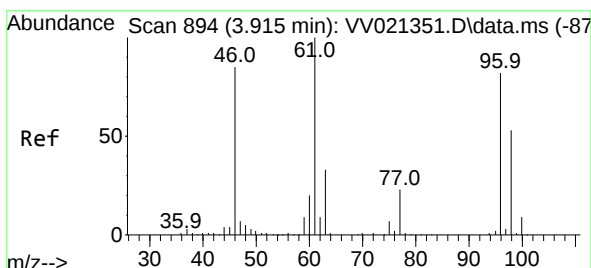
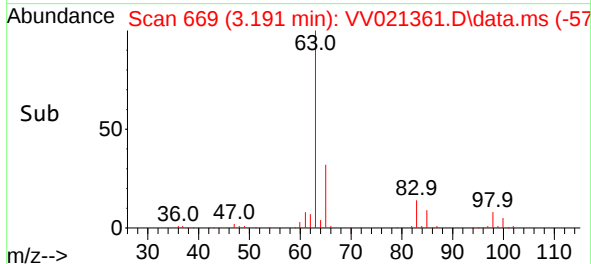
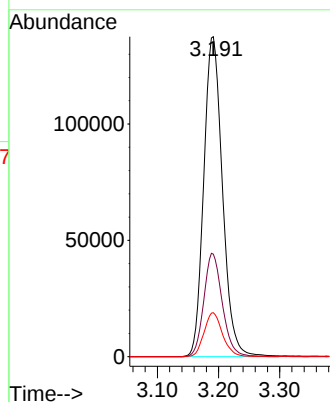
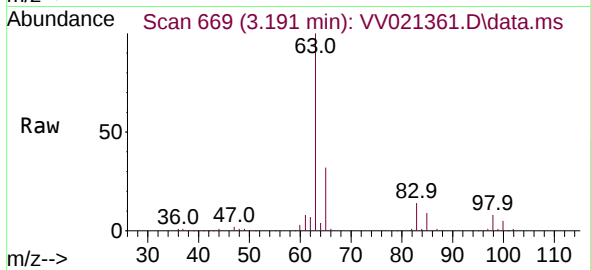




#19
1,1-Dichloroethane
Concen: 8.42 ug/L
RT: 3.191 min Scan# 669
Delta R.T. -0.000 min
Lab File: VV021361.D
Acq: 21 May 2021 16:09

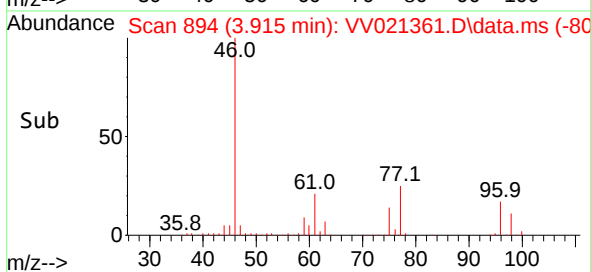
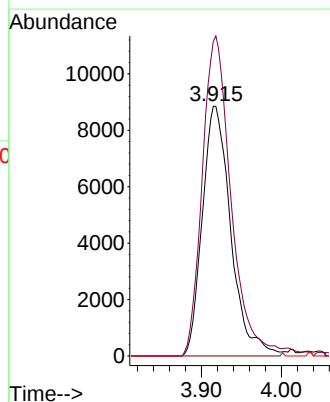
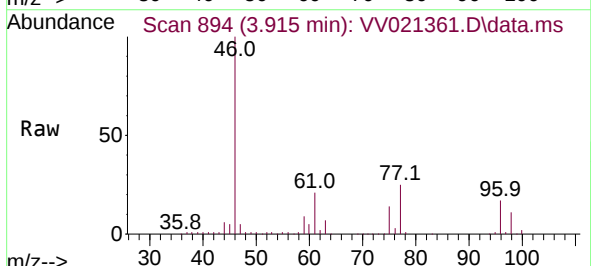
Instrument :
MSVOA_V
ClientSampleId :

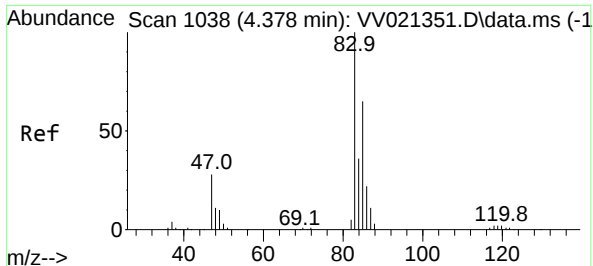
Tgt Ion	63	65	83
Ratio	100	32.0	13.7
Lower		22.3	9.7
Upper		41.5	17.9



#22
cis-1,2-Dichloroethene
Concen: 1.01 ug/L
RT: 3.915 min Scan# 894
Delta R.T. -0.000 min
Lab File: VV021361.D
Acq: 21 May 2021 16:09

Tgt Ion	96	61	68
Ratio	100	125.9	0.0
Lower		84.6	0.0
Upper		157.2	0.0





#25

Chloroform

Concen: 0.09 ug/L

RT: 4.378 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VV021361.D

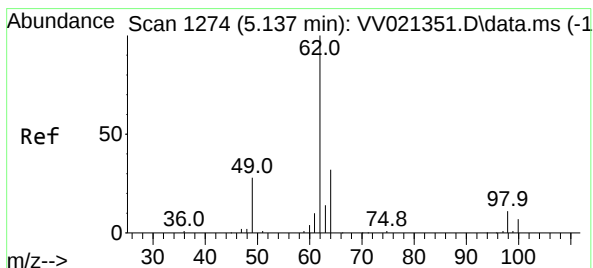
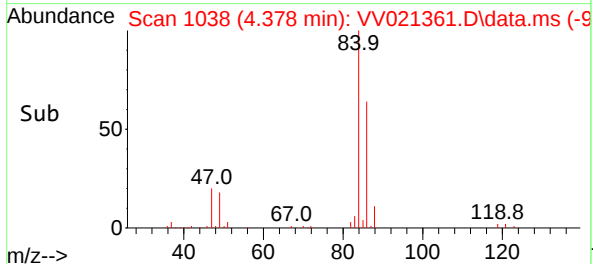
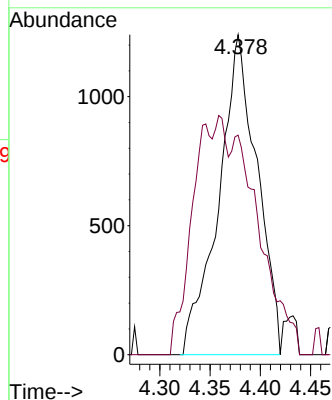
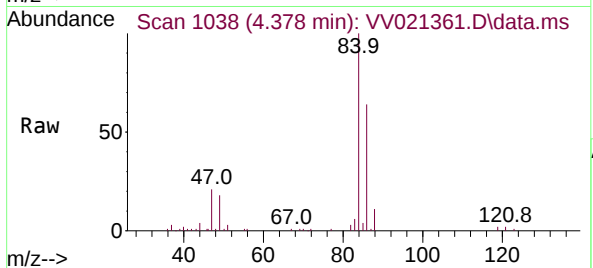
Acq: 21 May 2021 16:09

Tgt Ion: 83 Resp: 3300

Ion Ratio Lower Upper

83 100

85 68.6 46.4 86.2



#27

1,2-Dichloroethane

Concen: 0.36 ug/L

RT: 5.146 min Scan# 1277

Delta R.T. 0.010 min

Lab File: VV021361.D

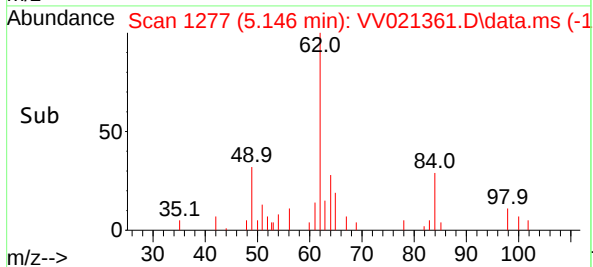
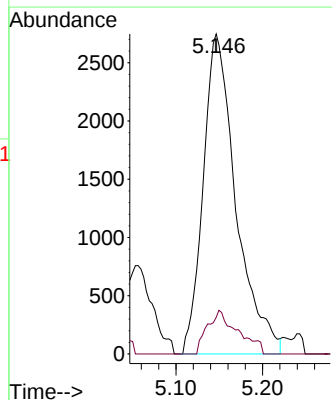
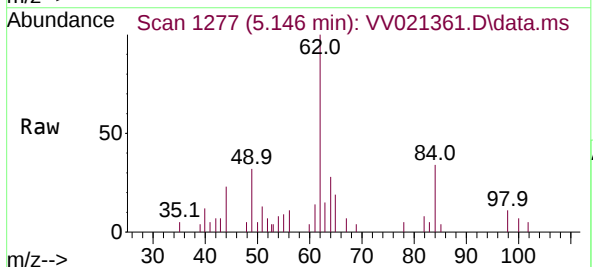
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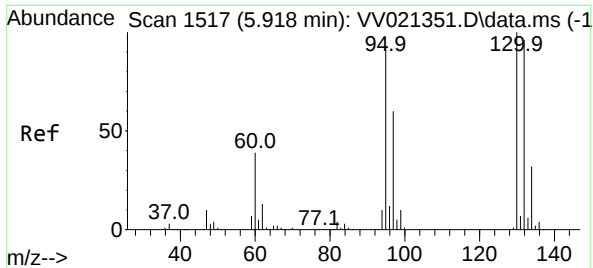
Tgt Ion: 62 Resp: 7221

Ion Ratio Lower Upper

62 100

98 11.5 8.0 12.0

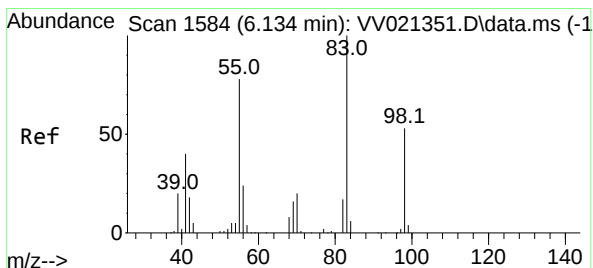
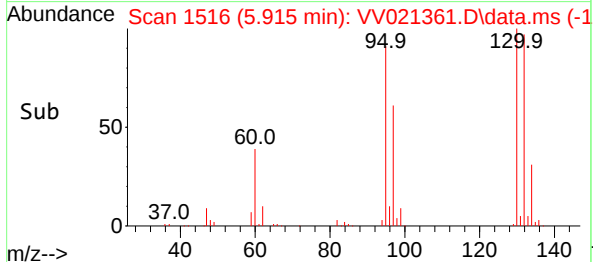
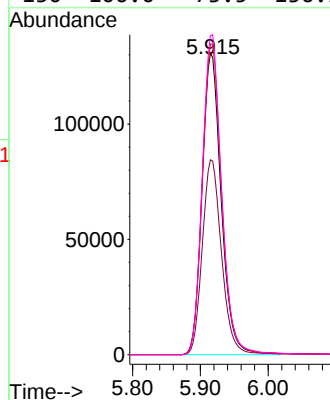
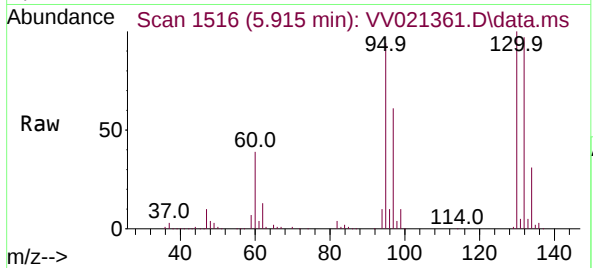




#34
Trichloroethene
Concen: 11.07 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. -0.003 min
Lab File: VV021361.D
Acq: 21 May 2021 16:09

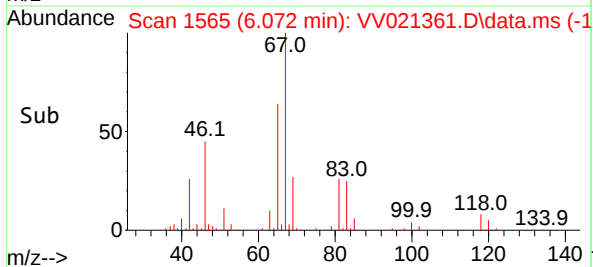
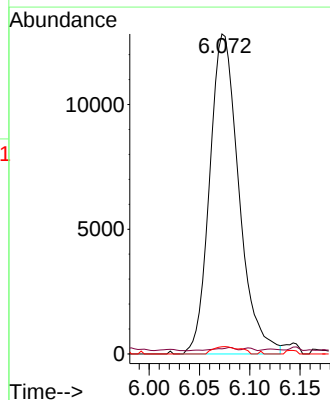
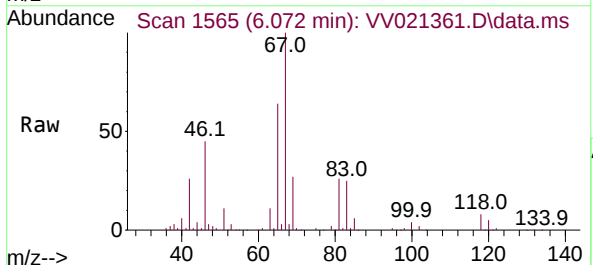
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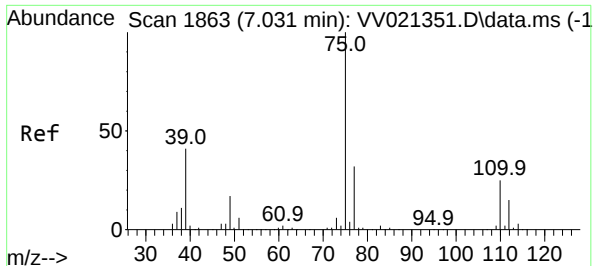
Tgt Ion: 95 Resp: 256741
Ion Ratio Lower Upper
95 100
97 64.7 45.1 83.9
132 103.1 71.5 132.9
130 106.0 73.5 136.5



#35
Methylcyclohexane
Concen: 0.74 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.061 min
Lab File: VV021361.D
Acq: 21 May 2021 16:09

Tgt Ion: 83 Resp: 25913
Ion Ratio Lower Upper
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55 1.0 59.1 88.7#
98 2.1 40.1 60.1#

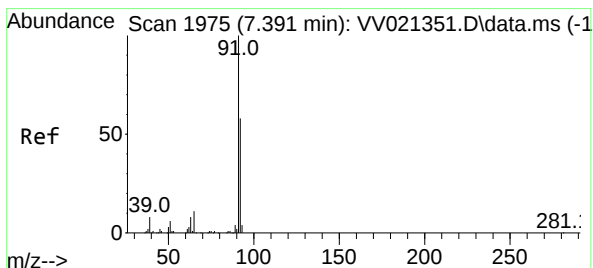
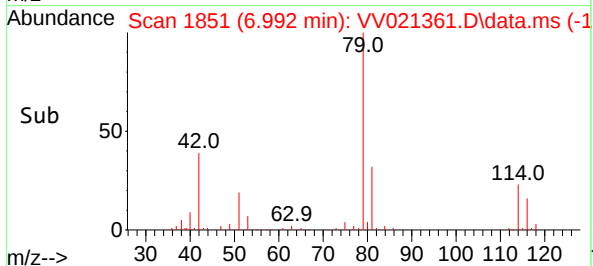
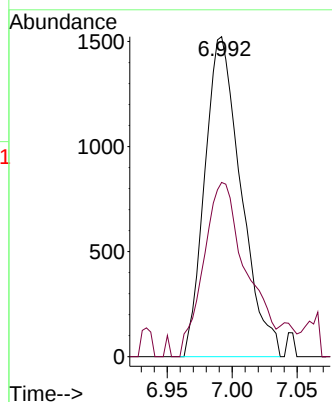
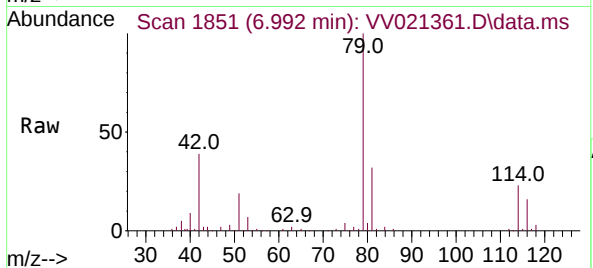




#39
cis-1,3-Dichloropropene
Concen: 0.10 ug/L
RT: 6.992 min Scan# 1851
Delta R.T. -0.039 min
Lab File: VV021361.D
Acq: 21 May 2021 16:09

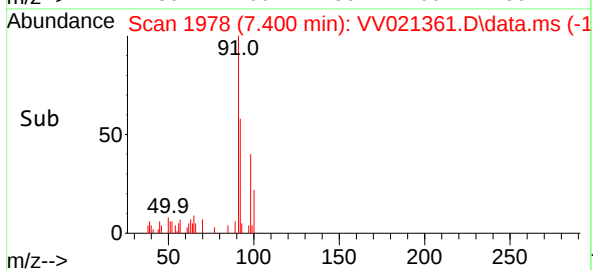
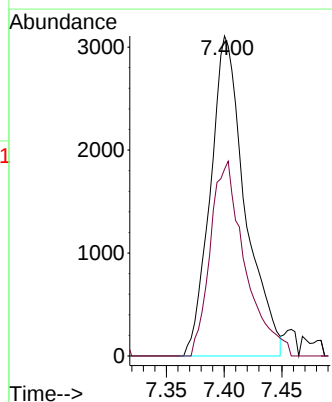
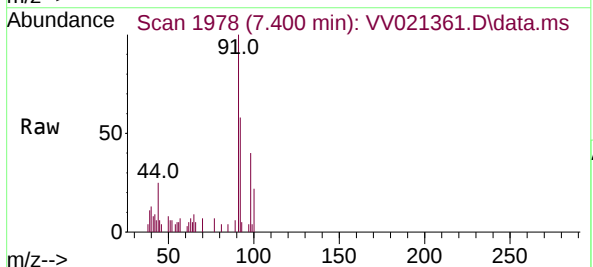
Instrument :
MSVOA_V
ClientSampled :

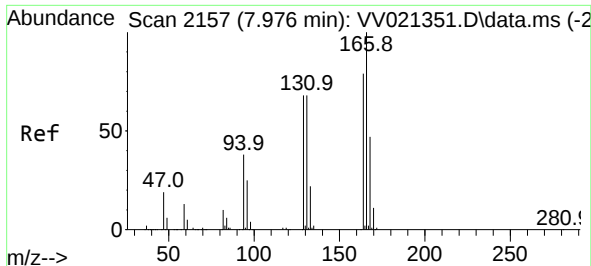
Tgt Ion: 75 Resp: 2950
Ion Ratio Lower Upper
75 100
77 54.4 22.5 41.9#



#42
Toluene
Concen: 0.08 ug/L
RT: 7.400 min Scan# 1978
Delta R.T. 0.010 min
Lab File: VV021361.D
Acq: 21 May 2021 16:09

Tgt Ion: 91 Resp: 6504
Ion Ratio Lower Upper
91 100
92 58.3 40.5 75.1





#47

Tetrachloroethene

Concen: 0.14 ug/L

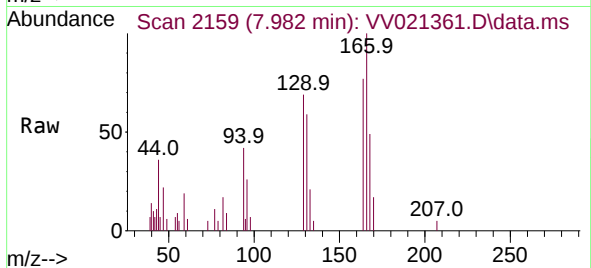
RT: 7.982 min Scan# 2159

Delta R.T. 0.006 min

Lab File: VV021361.D

Acq: 21 May 2021 16:09

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:164 Resp: 2639

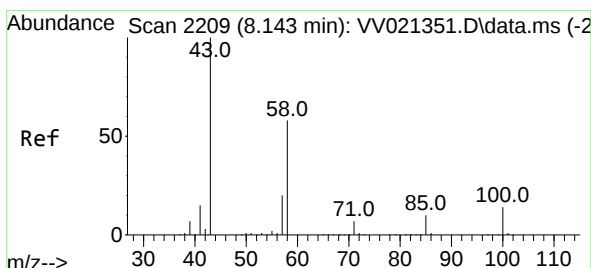
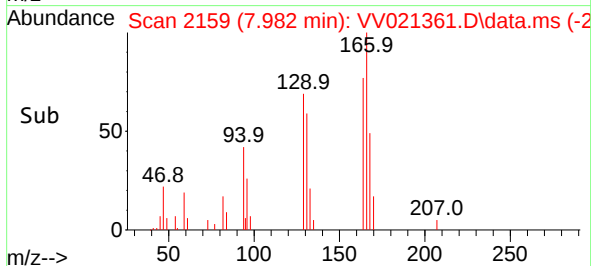
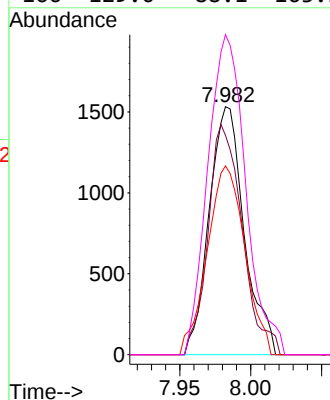
Ion Ratio Lower Upper

164 100

129 88.4 65.0 120.6

131 76.2 61.8 114.8

166 129.0 88.1 163.5



#48

2-Hexanone

Concen: 4.85 ug/L

RT: 8.143 min Scan# 2209

Delta R.T. -0.000 min

Lab File: VV021361.D

Acq: 21 May 2021 16:09

Tgt Ion: 43 Resp: 41820

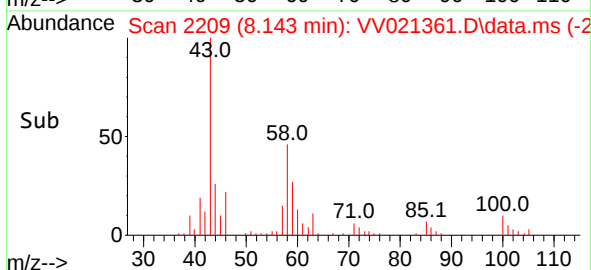
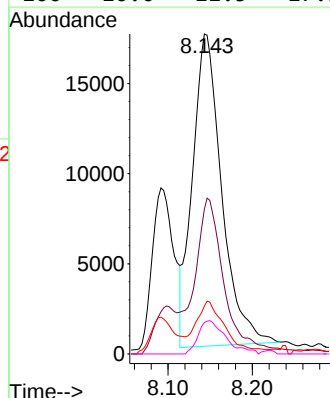
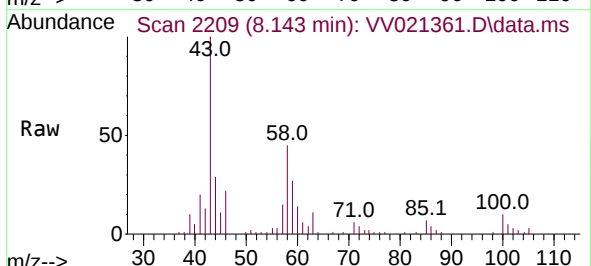
Ion Ratio Lower Upper

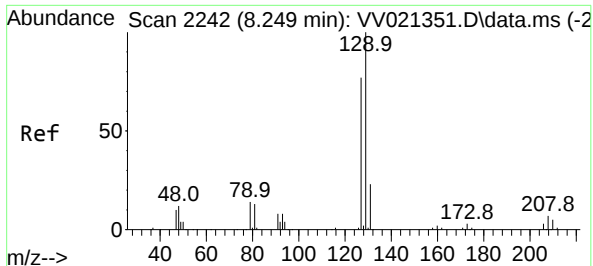
43 100

58 46.4 47.8 71.8#

57 16.1 16.6 24.8#

100 10.0 11.5 17.3#





#49

Dibromochloromethane

Concen: 0.13 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.270 min

Lab File: VV021361.D

Acq: 21 May 2021 16:09

Tgt Ion:129 Resp: 2371

Ion Ratio Lower Upper

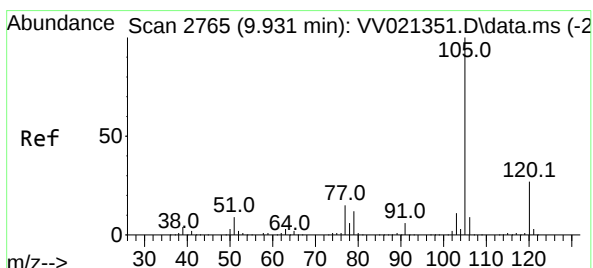
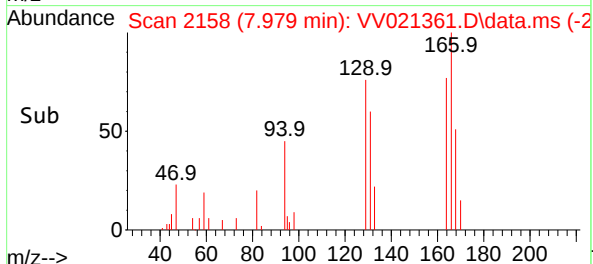
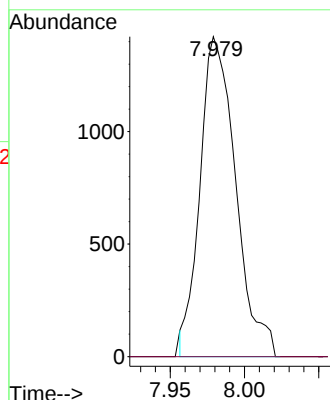
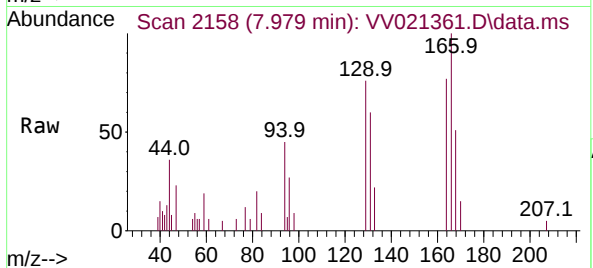
129 100

127 0.0 53.6 99.6#

Instrument :

MSVOA_V

ClientSampled :



#60

Isopropylbenzene

Concen: 0.02 ug/L

RT: 10.927 min Scan# 3075

Delta R.T. 0.997 min

Lab File: VV021361.D

Acq: 21 May 2021 16:09

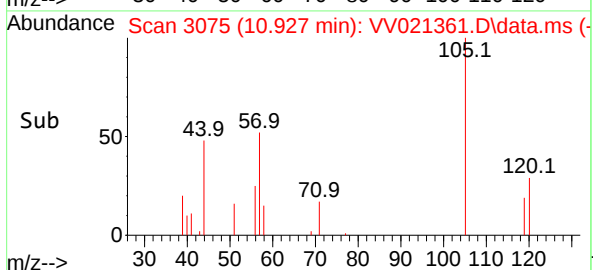
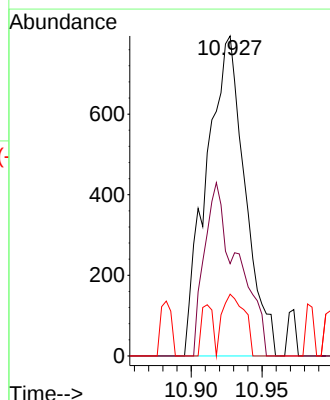
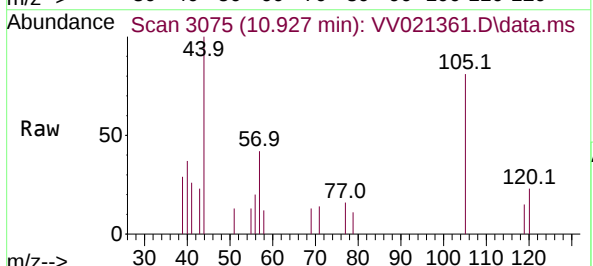
Tgt Ion:105 Resp: 1501

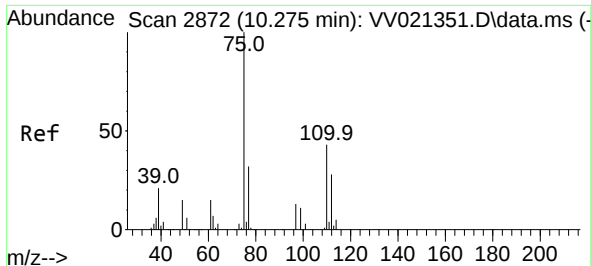
Ion Ratio Lower Upper

105 100

120 30.5 21.7 32.5

77 11.2 12.3 18.5#

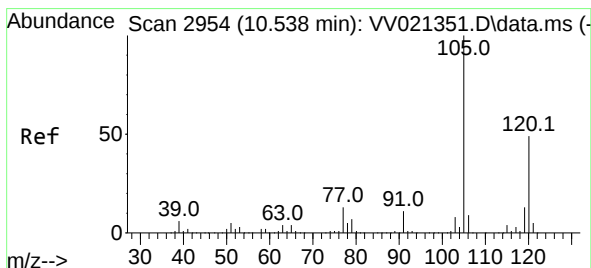
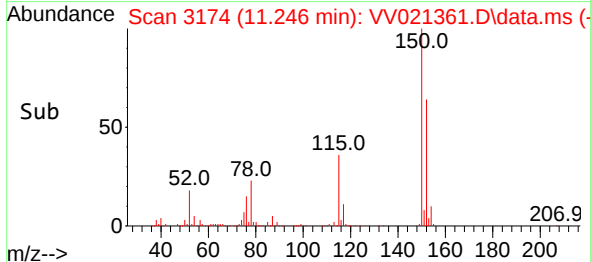
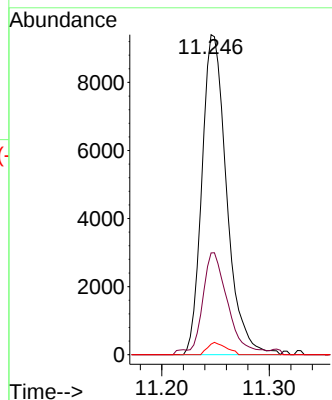
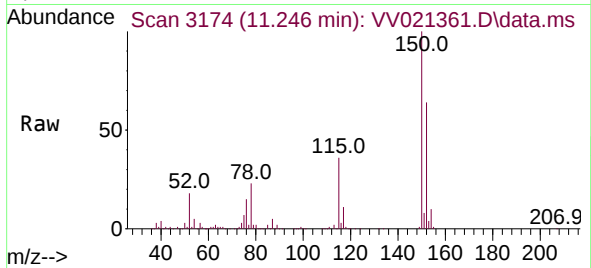




#61
1,2,3-Trichloropropane
Concen: 1.38 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.971 min
Lab File: VV021361.D
Acq: 21 May 2021 16:09

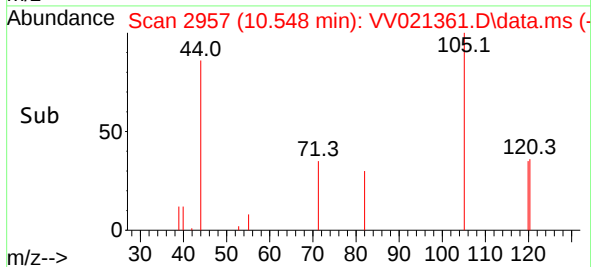
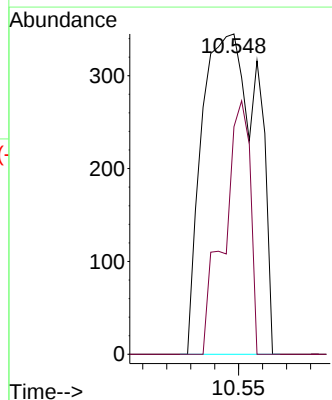
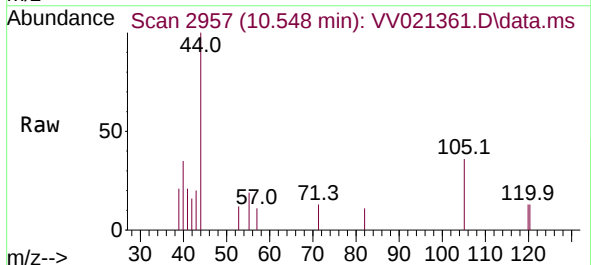
Instrument :
MSVOA_V
ClientSampled :

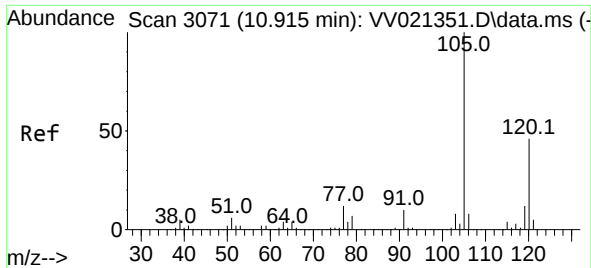
Tgt Ion: 75 Resp: 15004
Ion Ratio Lower Upper
75 100
77 32.9 26.1 39.1
110 2.9 33.2 49.8#



#62
1,3,5-Trimethylbenzene
Concen: 0.01 ug/L
RT: 10.548 min Scan# 2957
Delta R.T. 0.010 min
Lab File: VV021361.D
Acq: 21 May 2021 16:09

Tgt Ion: 105 Resp: 549
Ion Ratio Lower Upper
105 100
120 37.7 39.4 59.0#

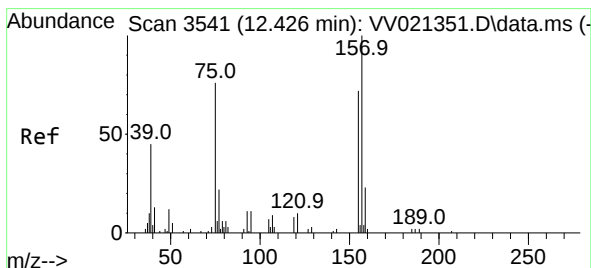
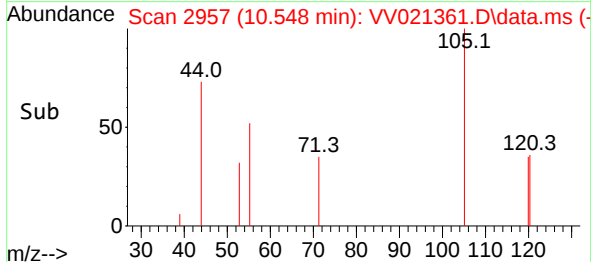
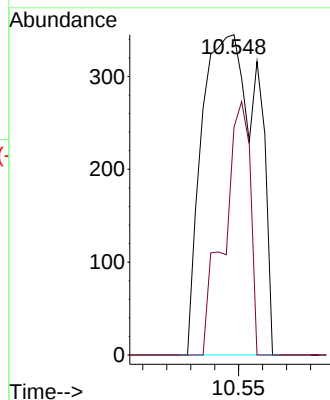
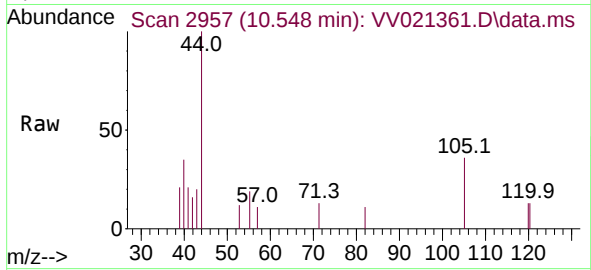




#63
1,2,4-Trimethylbenzene
Concen: 0.01 ug/L
RT: 10.548 min Scan# 2957
Delta R.T. -0.367 min
Lab File: VV021361.D
Acq: 21 May 2021 16:09

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion:105 Resp: 549
Ion Ratio Lower Upper
105 100
120 37.7 36.7 55.1



#68
1,2-Dibromo-3-chloropropane
Concen: 0.09 ug/L
RT: 12.252 min Scan# 3487
Delta R.T. -0.174 min
Lab File: VV021361.D
Acq: 21 May 2021 16:09

Tgt Ion: 75 Resp: 195
Ion Ratio Lower Upper
75 100
155 0.0 72.8 109.2#
157 0.0 94.7 142.1#

