

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042222\
 Data File : VW025690.D
 Acq On : 22 Apr 2022 19:02
 Operator : SY/MD
 Sample : N2492-16
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EW6W4

Quant Time: Apr 23 02:01:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR040822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 23 01:57:52 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	130930	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	132906	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	55097	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.310	65	94650	7.776	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 155.600%#	
7) Chloroethane-d5	1.571	69	85459	6.599	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 132.000%#	
11) 1,1-Dichloroethene-d2	2.111	63	142280	5.835	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 116.600%	
20) 2-Butanone-d5	3.899	46	118200	79.828	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 159.660%#	
24) Chloroform-d	4.352	84	137874	7.495	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 150.000%#	
26) 1,2-Dichloroethane-d4	5.037	65	64630	8.155	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 163.000%#	
32) Benzene-d6	5.053	84	288298	7.497	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 150.000%#	
36) 1,2-Dichloropropane-d6	6.072	67	83420	7.778	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 155.600%#	
41) Toluene-d8	7.317	98	241455	6.766	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 135.400%#	
43) trans-1,3-Dichloroprop...	7.625	79	25348	7.032	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 140.600%#	
46) 2-Hexanone-d5	8.088	63	97879	77.367	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 154.740%#	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	45715	6.747	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 135.000%#	
66) 1,2-Dichlorobenzene-d4	11.622	152	73188	7.923	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 158.400%#	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.314	62	1049	0.072	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	1232	0.108	ug/L #	21
12) 1,1-Dichloroethene	2.117	96	2172	0.191	ug/L #	1
14) Carbon disulfide	2.301	76	1707	0.063	ug/L	99
15) Methyl Acetate	2.439	43	989	0.443	ug/L #	43
22) cis-1,2-Dichloroethene	3.921	96	7558	0.754	ug/L	97
25) Chloroform	4.381	83	3546	0.208	ug/L	95
33) Benzene	5.111	78	2127	0.054	ug/L	100
34) Trichloroethene	5.918	95	60752	5.828	ug/L	98
35) Methylcyclohexane	6.133	83	901	0.054	ug/L #	78
37) 1,2-Dichloropropane	6.066	63	9400	1.035	ug/L #	85
39) cis-1,3-Dichloropropene	6.992	75	1796	0.151	ug/L #	59
42) Toluene	7.397	91	10859	0.254	ug/L	93
44) trans-1,3-Dichloropropene	7.622	75	1252	0.135	ug/L	83
45) 1,1,2-Trichloroethane	7.976	97	22506	3.700	ug/L #	1
47) Tetrachloroethene	7.976	164	2474387	303.196	ug/L	96
49) Dibromochloromethane	7.976	129	2427710	363.589	ug/L #	11
52) Ethylbenzene	9.021	91	3902	0.086	ug/L	96
53) m,p-Xylene	9.146	106	1272	0.073	ug/L	97

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Apr 23 01:57:52 2022
Response via : Initial Calibration

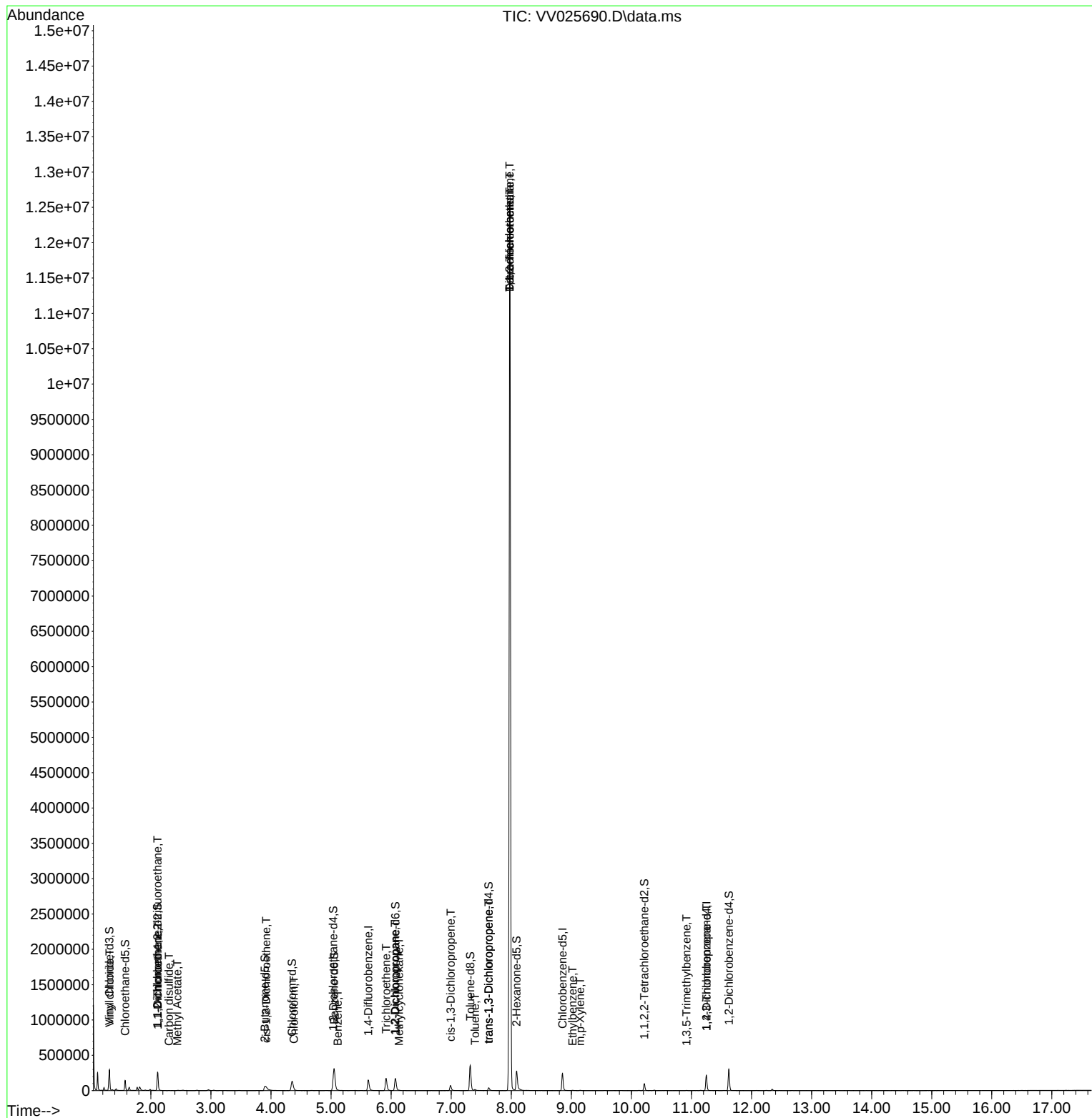
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.249	75	6733	1.855	ug/L	# 62
62) 1,3,5-Trimethylbenzene	10.918	105	1018	0.067	ug/L	90

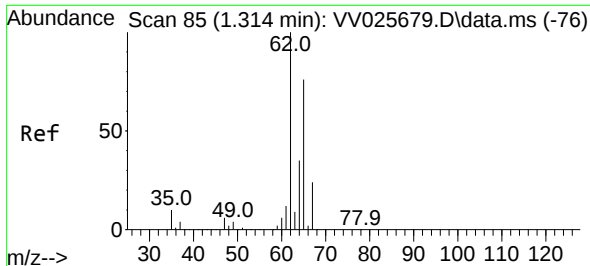
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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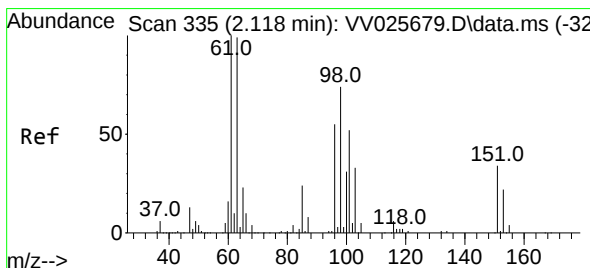
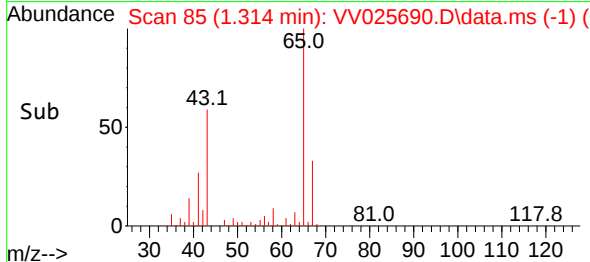
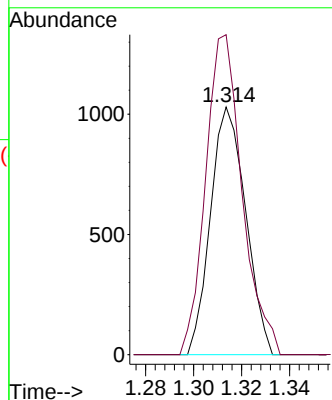
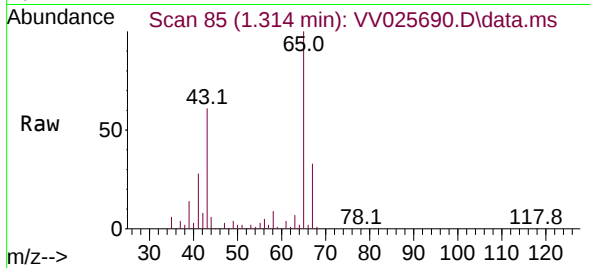




#5
 Vinyl chloride
 Concen: 0.072 ug/L
 RT: 1.314 min Scan# 85
 Delta R.T. -0.000 min
 Lab File: VV025690.D
 Acq: 22 Apr 2022 19:02

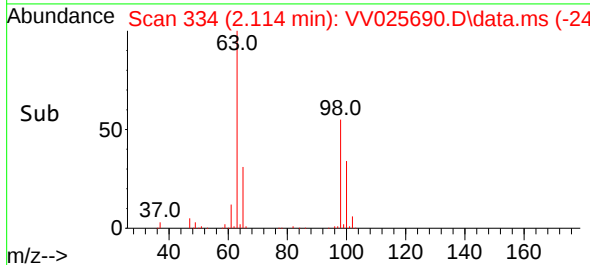
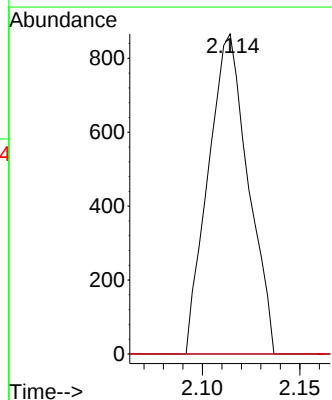
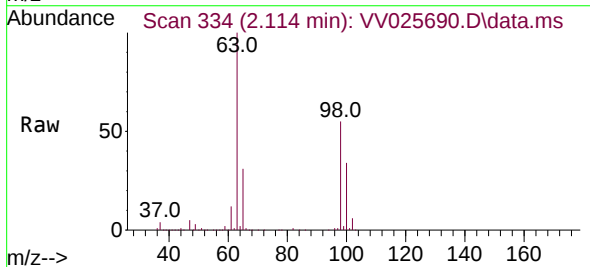
Instrument :
 MSVOA_V
 ClientSampleId :
 EW6W4

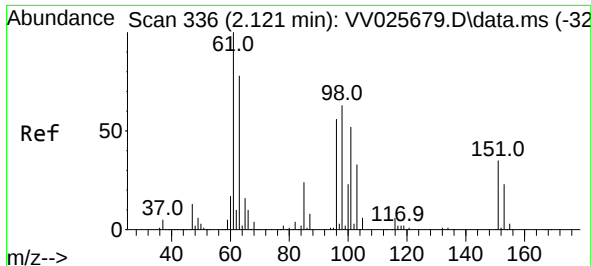
Tgt Ion: 62 Resp: 1049
 Ion Ratio Lower Upper
 62 100
 64 129.2 23.2 43.2#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.108 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.006 min
 Lab File: VV025690.D
 Acq: 22 Apr 2022 19:02

Tgt Ion: 101 Resp: 1232
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.9 53.9#
 151 0.0 56.0 84.0#





#12

1,1-Dichloroethene

Concen: 0.191 ug/L

RT: 2.117 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV025690.D

Acq: 22 Apr 2022 19:02

Instrument :

MSVOA_V

ClientSampleId :

EW6W4

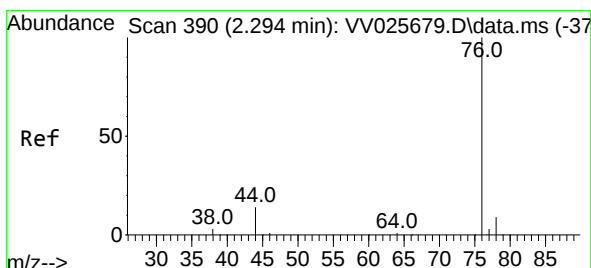
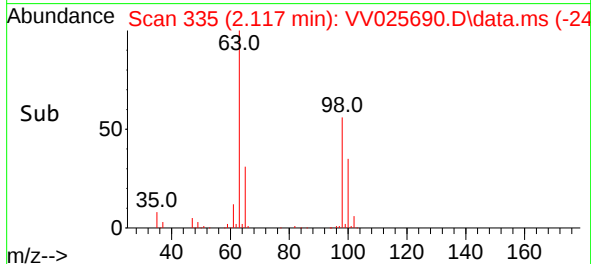
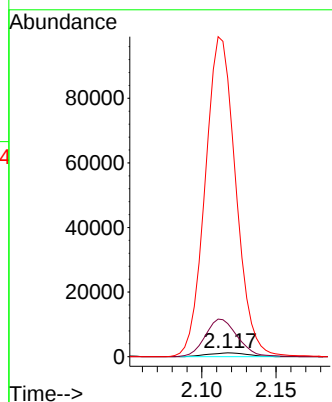
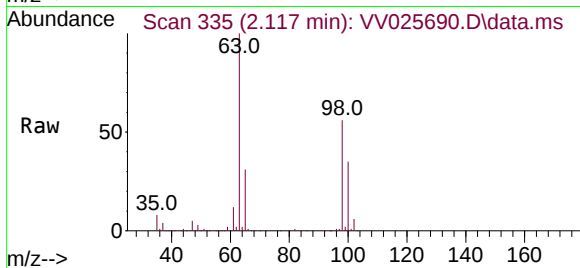
Tgt Ion: 96 Resp: 2172

Ion Ratio Lower Upper

96 100

61 871.8 125.2 232.4#

63 7345.8 114.4 212.4#



#14

Carbon disulfide

Concen: 0.063 ug/L

RT: 2.301 min Scan# 392

Delta R.T. 0.003 min

Lab File: VV025690.D

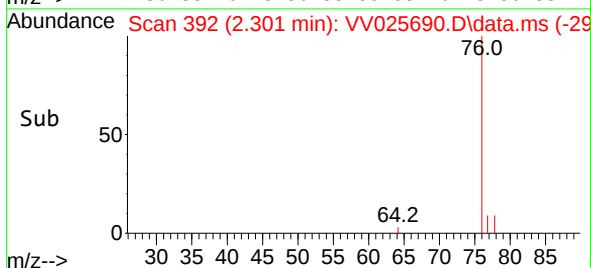
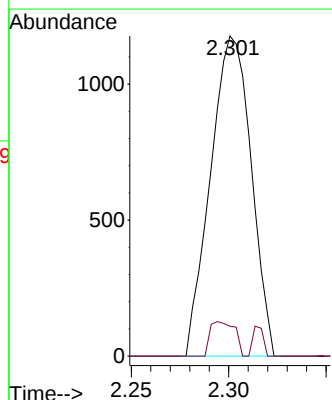
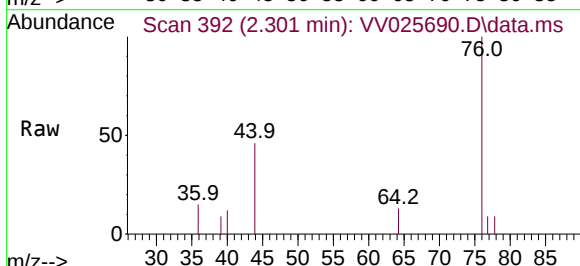
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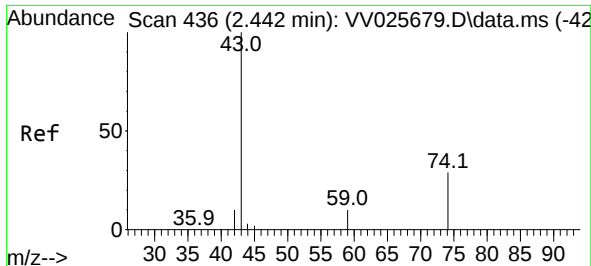
Tgt Ion: 76 Resp: 1707

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

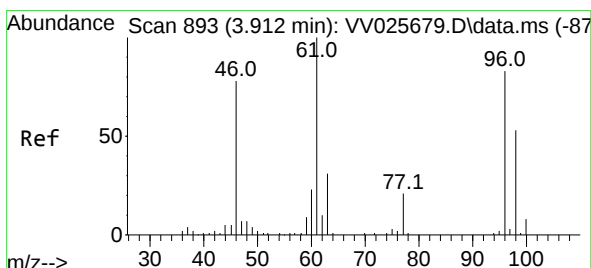
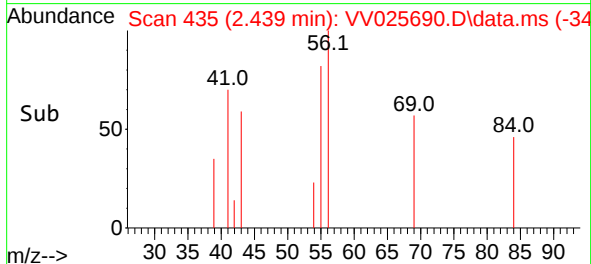
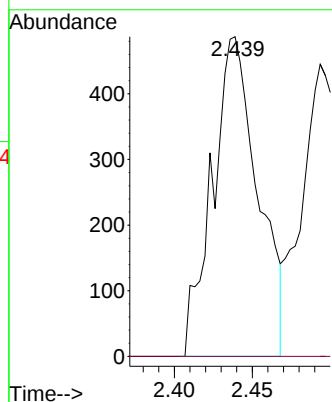
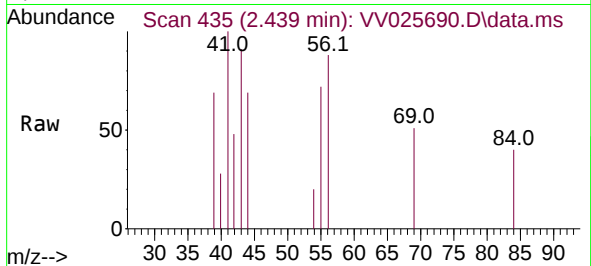




#15
Methyl Acetate
Concen: 0.443 ug/L
RT: 2.439 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV025690.D
Acq: 22 Apr 2022 19:02

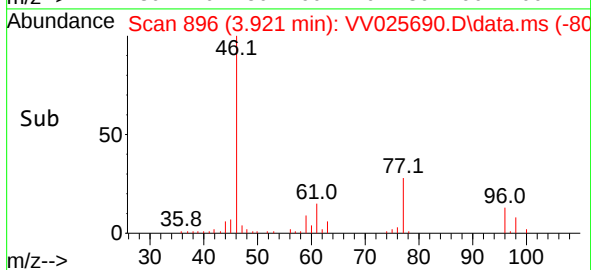
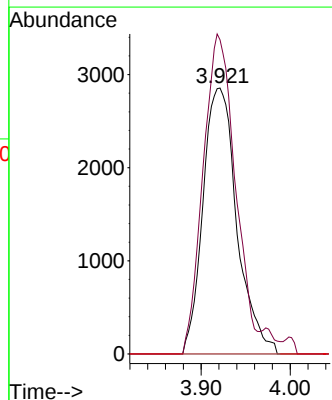
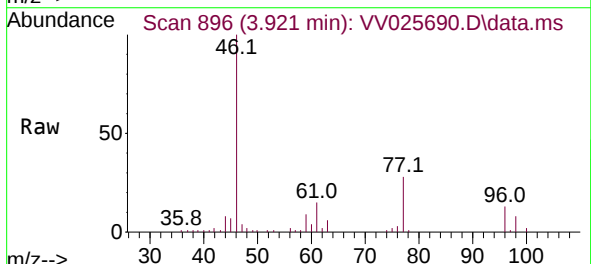
Instrument :
MSVOA_V
ClientSampleId :
EW6W4

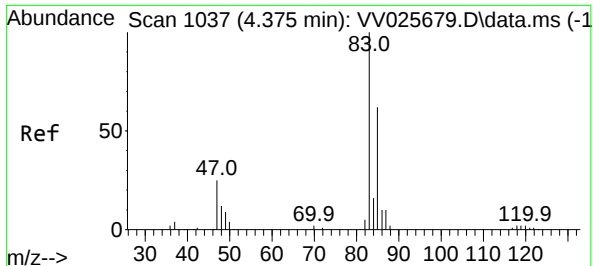
Tgt Ion: 43 Resp: 989
Ion Ratio Lower Upper
43 100
74 0.0 25.2 37.8#



#22
cis-1,2-Dichloroethene
Concen: 0.754 ug/L
RT: 3.921 min Scan# 896
Delta R.T. 0.010 min
Lab File: VV025690.D
Acq: 22 Apr 2022 19:02

Tgt Ion: 96 Resp: 7558
Ion Ratio Lower Upper
96 100
61 118.1 80.0 148.6
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.208 ug/L

RT: 4.381 min Scan# 1039

Delta R.T. 0.010 min

Lab File: VV025690.D

Acq: 22 Apr 2022 19:02

Instrument :

MSVOA_V

ClientSampleId :

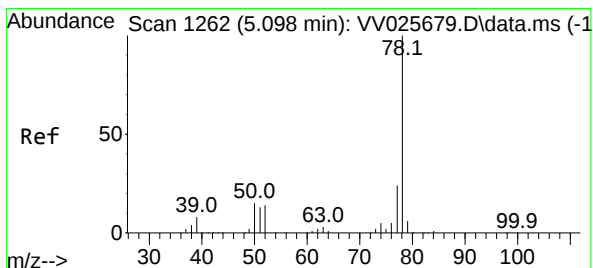
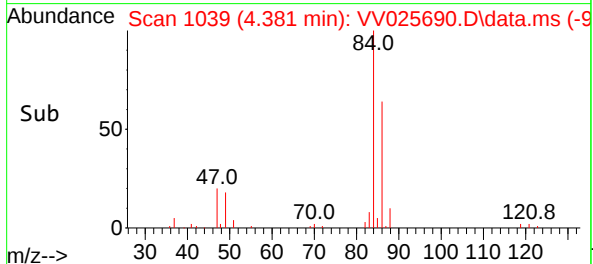
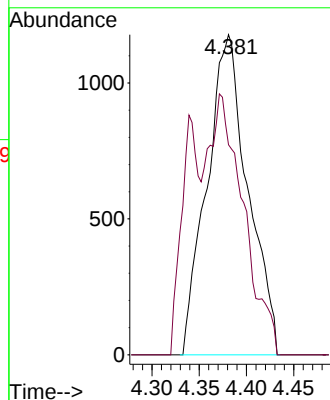
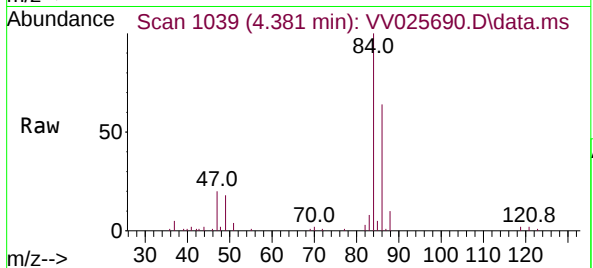
EW6W4

Tgt Ion: 83 Resp: 3546

Ion Ratio Lower Upper

83 100

85 65.6 43.5 80.7



#33

Benzene

Concen: 0.054 ug/L

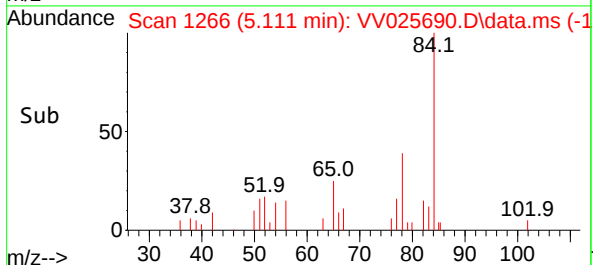
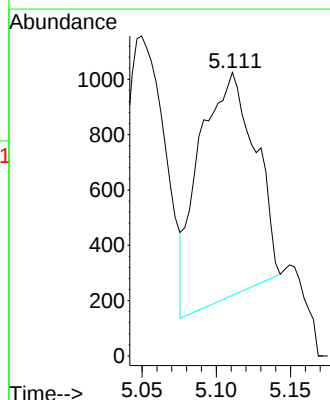
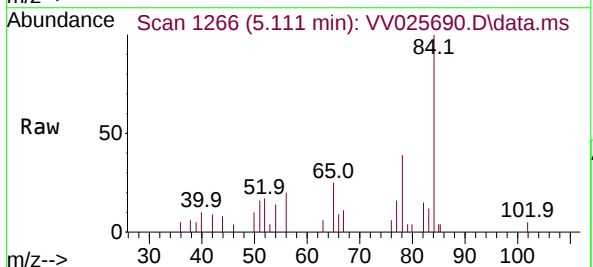
RT: 5.111 min Scan# 1266

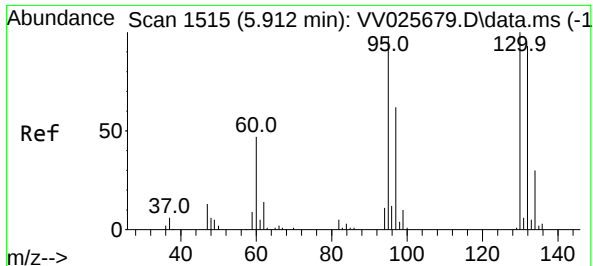
Delta R.T. 0.016 min

Lab File: VV025690.D

Acq: 22 Apr 2022 19:02

Tgt Ion: 78 Resp: 2127





#34

Trichloroethene

Concen: 5.828 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. 0.006 min

Lab File: VV025690.D

Acq: 22 Apr 2022 19:02

Instrument :

MSVOA_V

ClientSampleId :

EW6W4

Tgt Ion: 95 Resp: 60752

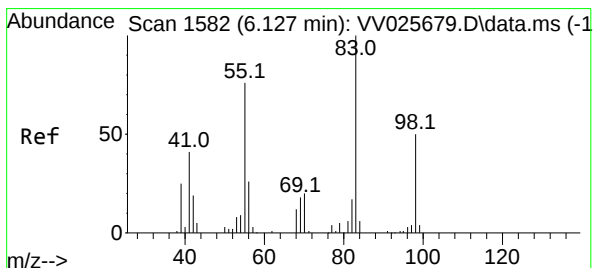
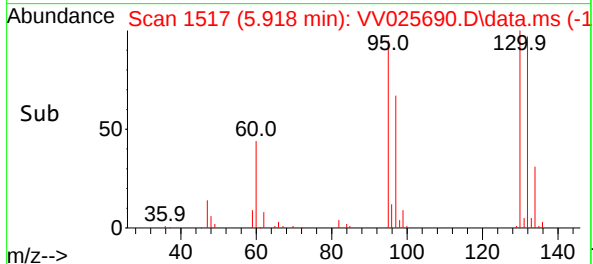
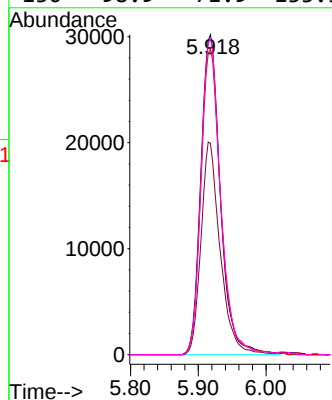
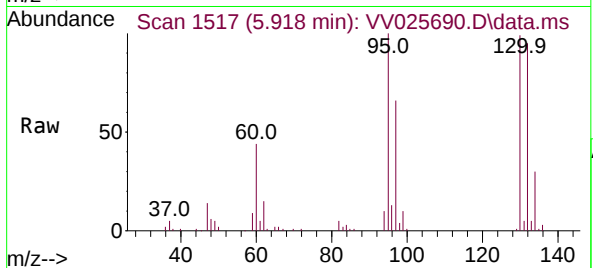
Ion Ratio Lower Upper

95 100

97 66.0 45.8 85.2

132 95.5 68.0 126.4

130 98.9 71.9 133.5



#35

Methylcyclohexane

Concen: 0.054 ug/L

RT: 6.133 min Scan# 1584

Delta R.T. 0.006 min

Lab File: VV025690.D

Acq: 22 Apr 2022 19:02

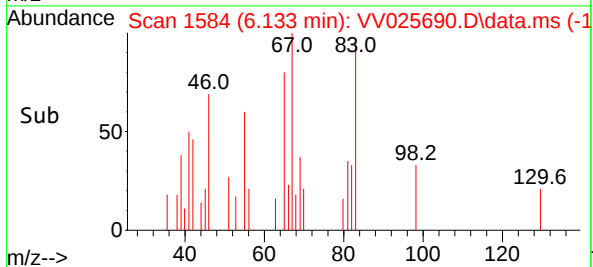
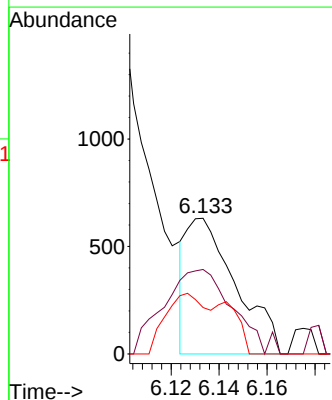
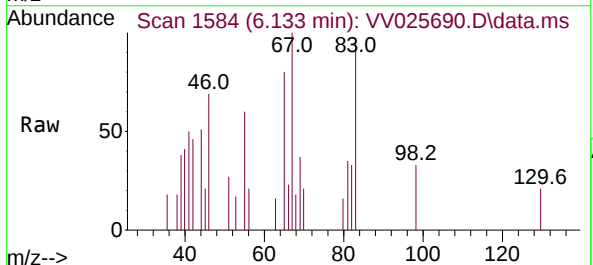
Tgt Ion: 83 Resp: 901

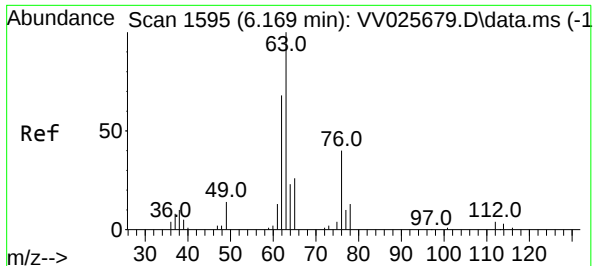
Ion Ratio Lower Upper

83 100

55 87.6 53.7 80.5#

98 37.3 39.6 59.4#





#37

1,2-Dichloropropane

Concen: 1.035 ug/L

RT: 6.066 min Scan# 1

Delta R.T. -0.103 min

Lab File: VV025690.D

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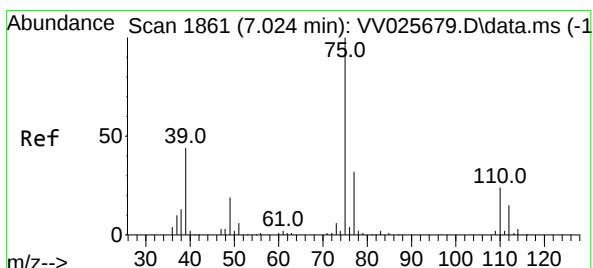
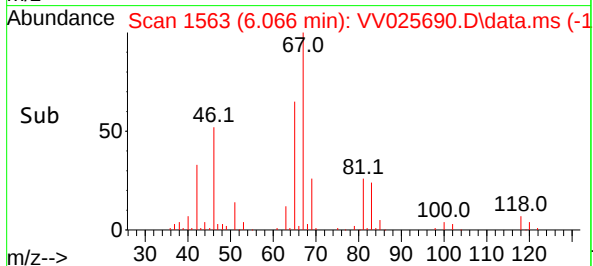
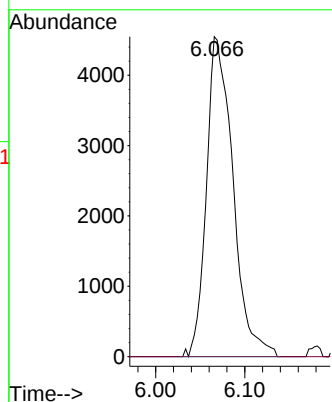
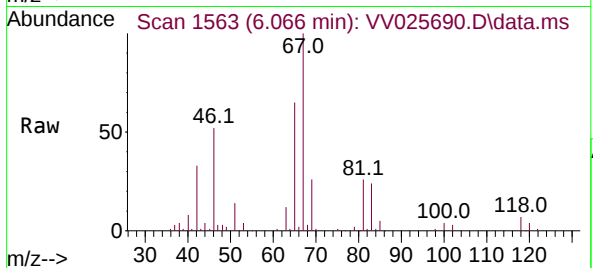
EW6W4

Tgt Ion: 63 Resp: 9400

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#39

cis-1,3-Dichloropropene

Concen: 0.151 ug/L

RT: 6.992 min Scan# 1851

Delta R.T. -0.032 min

Lab File: VV025690.D

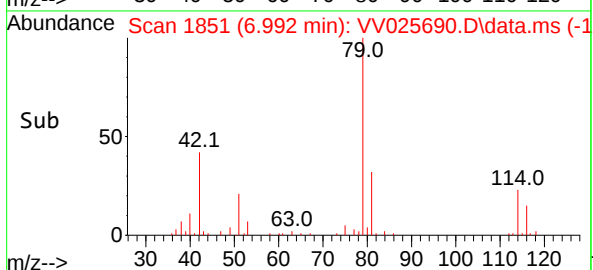
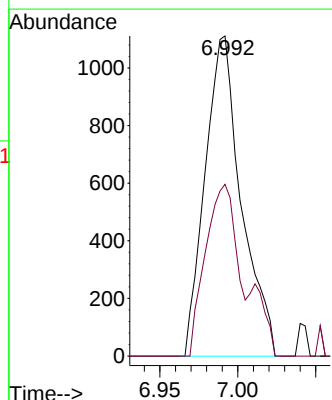
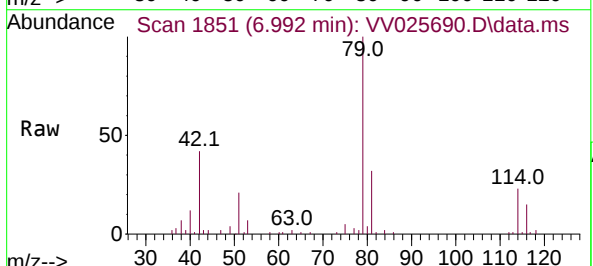
Acq: 22 Apr 2022 19:02

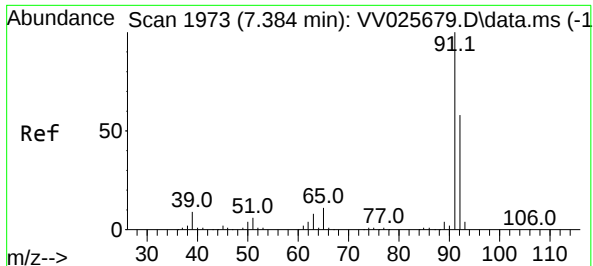
Tgt Ion: 75 Resp: 1796

Ion Ratio Lower Upper

75 100

77 53.6 21.8 40.6#





#42

Toluene

Concen: 0.254 ug/L

RT: 7.397 min Scan# 1973

Delta R.T. 0.013 min

Lab File: VV025690.D

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ClientSampleId :

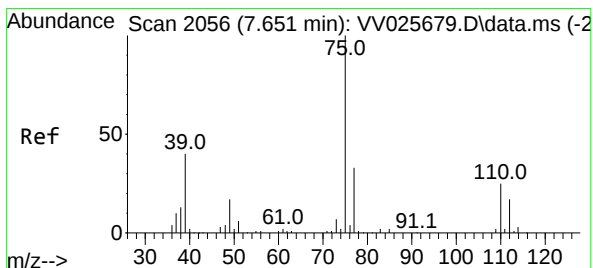
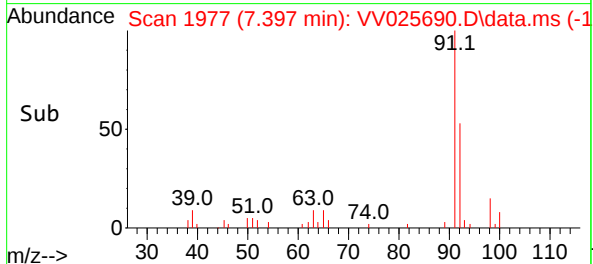
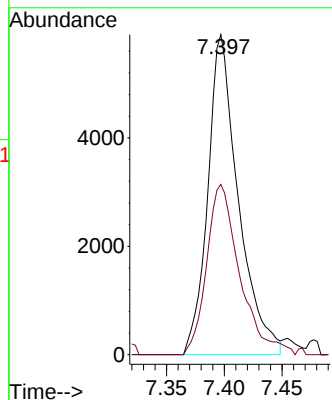
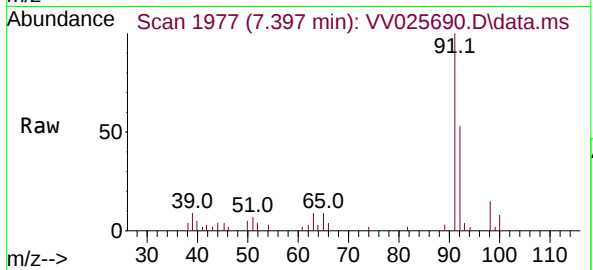
EW6W4

Tgt Ion: 91 Resp: 10859

Ion Ratio Lower Upper

91 100

92 53.2 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 0.135 ug/L

RT: 7.622 min Scan# 2047

Delta R.T. -0.026 min

Lab File: VV025690.D

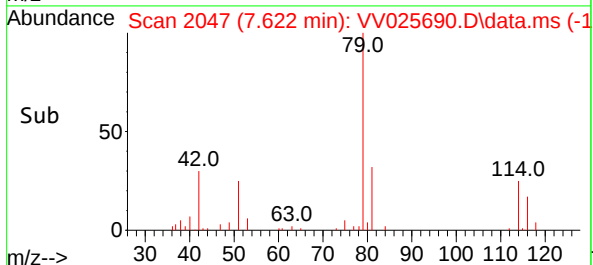
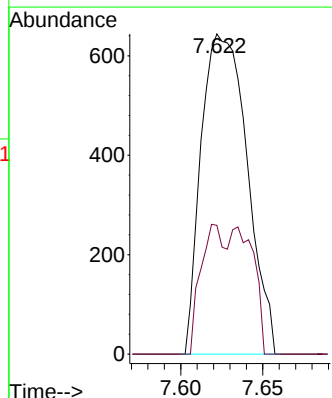
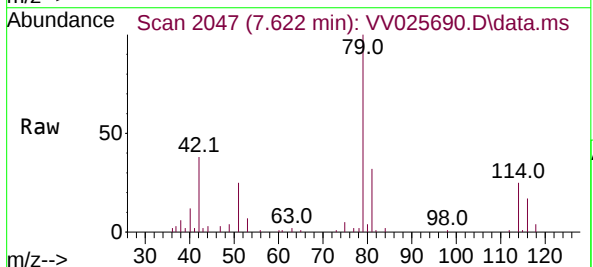
Acq: 22 Apr 2022 19:02

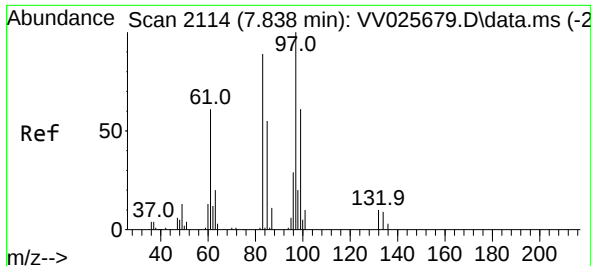
Tgt Ion: 75 Resp: 1252

Ion Ratio Lower Upper

75 100

77 40.2 21.7 40.3

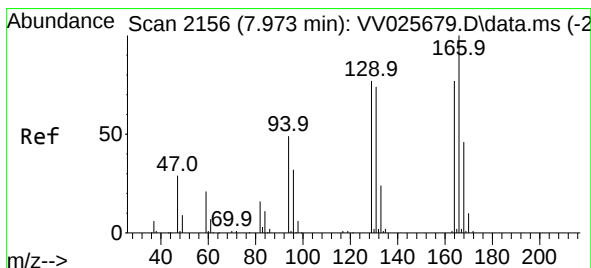
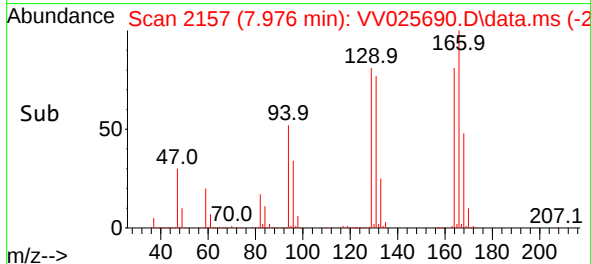
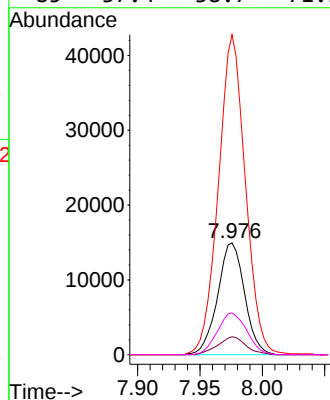
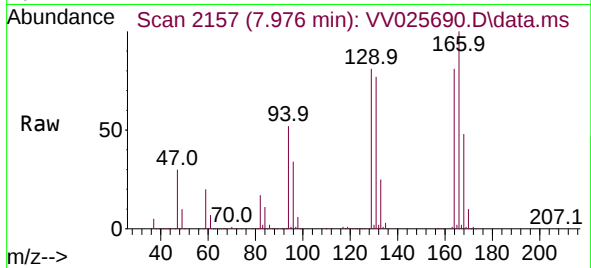




#45
1,1,2-Trichloroethane
Concen: 3.700 ug/L
RT: 7.976 min Scan# 2114
Delta R.T. 0.141 min
Lab File: VV025690.D
Acq: 22 Apr 2022 19:02

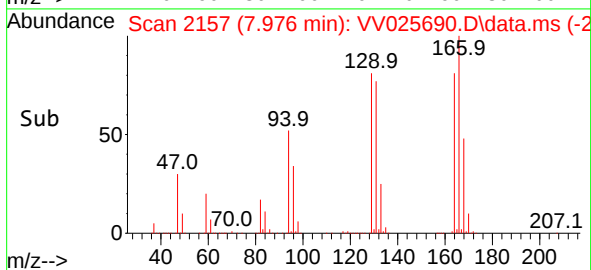
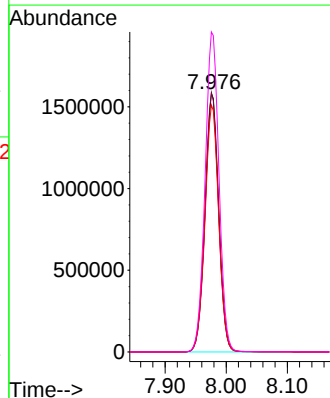
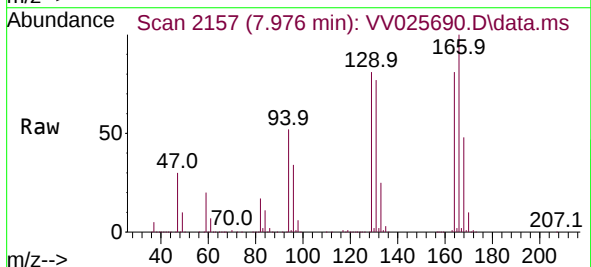
Instrument :
MSVOA_V
ClientSampleId :
EW6W4

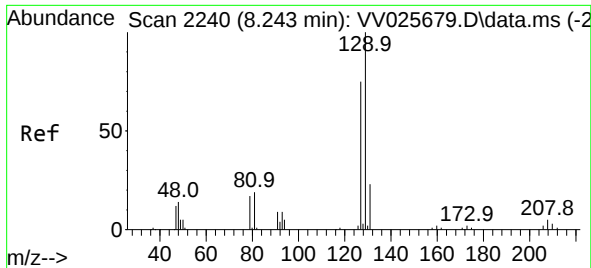
Tgt Ion:	97	Resp:	22506
Ion	Ratio	Lower	Upper
97	100		
99	16.0	43.8	81.4#
83	286.3	60.3	112.1#
85	37.4	38.7	71.9#



#47
Tetrachloroethene
Concen: 303.196 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV025690.D
Acq: 22 Apr 2022 19:02

Tgt Ion:	164	Resp:	2474387
Ion	Ratio	Lower	Upper
164	100		
129	100.3	66.8	124.2
131	95.5	66.4	123.4
166	123.8	91.7	170.3

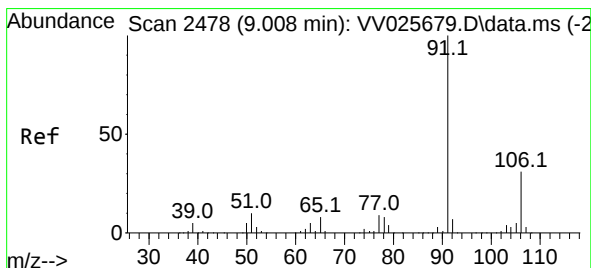
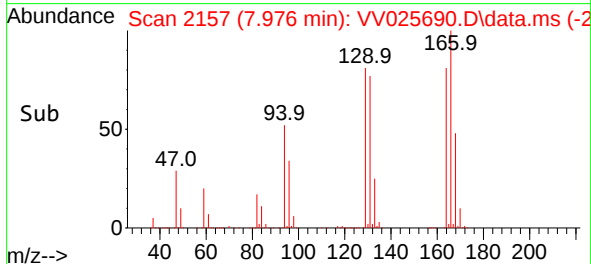
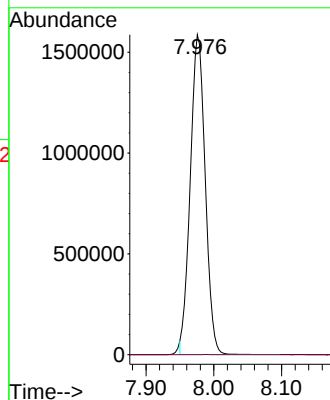
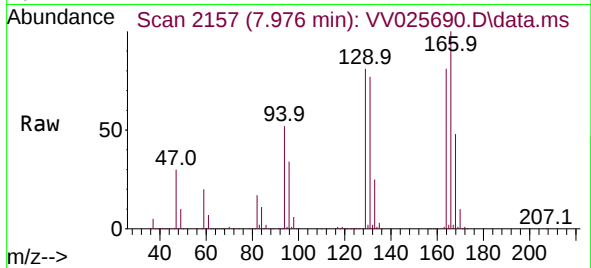




#49
Dibromochloromethane
Concen: 363.589 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.267 min
Lab File: VV025690.D
Acq: 22 Apr 2022 19:02

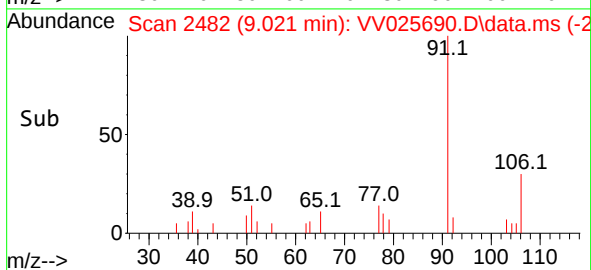
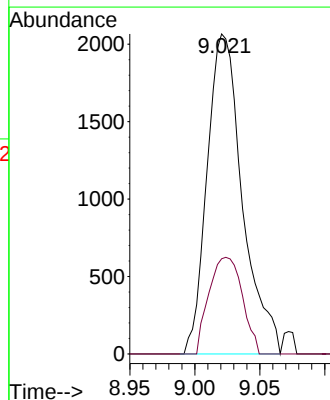
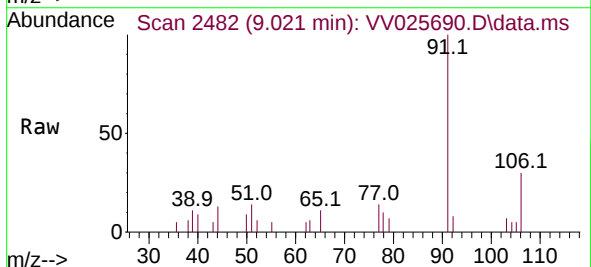
Instrument :
MSVOA_V
ClientSampleId :
EW6W4

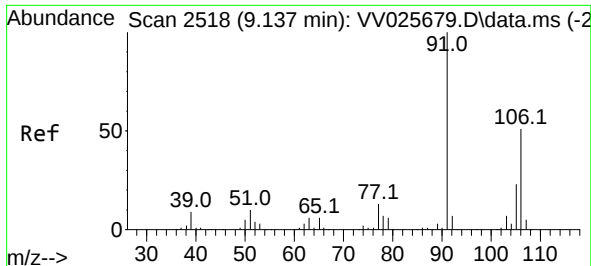
Tgt Ion:129 Resp: 2427710
Ion Ratio Lower Upper
129 100
127 0.0 53.8 100.0#



#52
Ethylbenzene
Concen: 0.086 ug/L
RT: 9.021 min Scan# 2482
Delta R.T. 0.013 min
Lab File: VV025690.D
Acq: 22 Apr 2022 19:02

Tgt Ion: 91 Resp: 3902
Ion Ratio Lower Upper
91 100
106 29.8 22.3 41.3

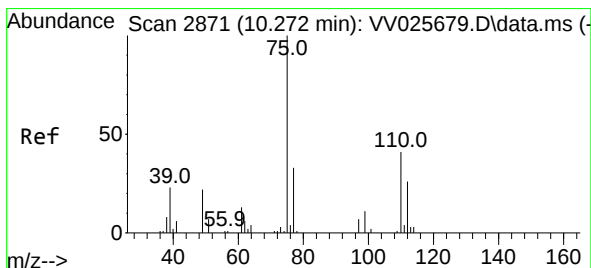
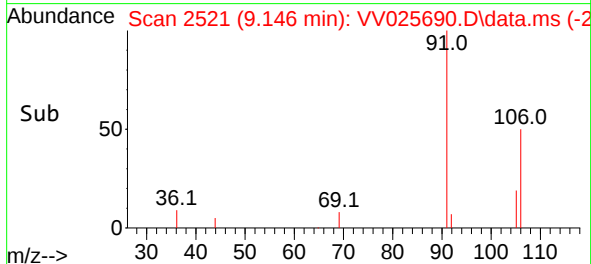
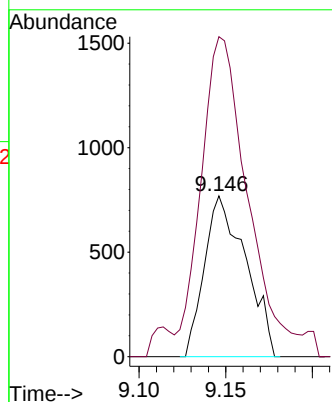
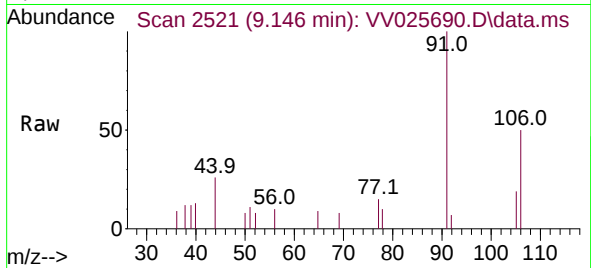




#53
m,p-Xylene
Concen: 0.073 ug/L
RT: 9.146 min Scan# 21
Delta R.T. 0.010 min
Lab File: VV025690.D
Acq: 22 Apr 2022 19:02

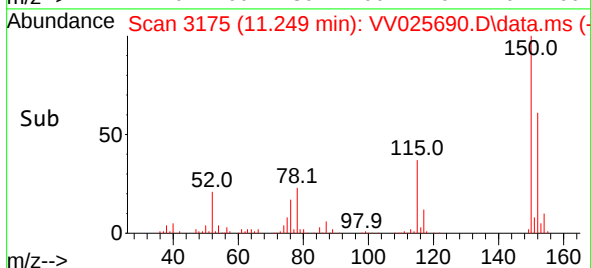
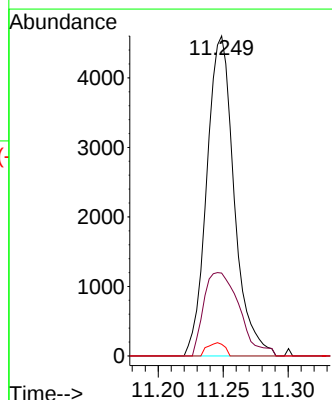
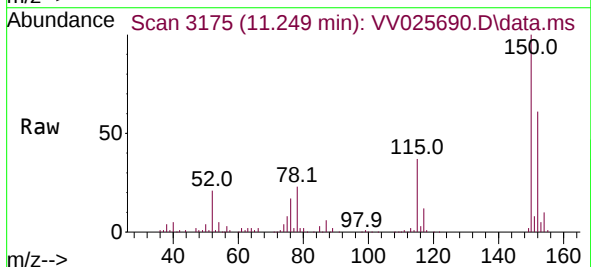
Instrument :
MSVOA_V
ClientSampleId :
EW6W4

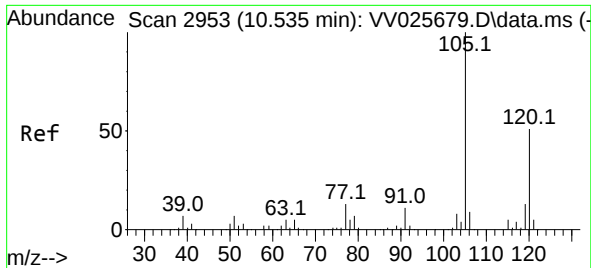
Tgt Ion:106 Resp: 1272
Ion Ratio Lower Upper
106 100
91 199.1 136.4 253.4



#61
1,2,3-Trichloropropane
Concen: 1.855 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.977 min
Lab File: VV025690.D
Acq: 22 Apr 2022 19:02

Tgt Ion: 75 Resp: 6733
Ion Ratio Lower Upper
75 100
77 34.0 25.6 38.4
110 2.6 34.7 52.1#





#62
 1,3,5-Trimethylbenzene
 Concen: 0.067 ug/L
 RT: 10.918 min Scan# 30
 Delta R.T. 0.383 min
 Lab File: VV025690.D
 Acq: 22 Apr 2022 19:02

Instrument :
 MSVOA_V
 ClientSampleId :
 EW6W4

Tgt Ion:105 Resp: 1018
 Ion Ratio Lower Upper
 105 100
 120 42.4 39.6 59.4

