

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040822\
 Data File : VW025423.D
 Acq On : 08 Apr 2022 20:41
 Operator : SY/MD
 Sample : N2219-03
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 09 06:26:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR040822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 09 06:16:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	126490	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	116879	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	53337	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	66152	5.625	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.600%
7) Chloroethane-d5	1.568	69	60398	4.828	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.600%
11) 1,1-Dichloroethene-d2	2.111	63	113619	4.823	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.400%
20) 2-Butanone-d5	3.892	46	71024	49.651	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.300%
24) Chloroform-d	4.352	84	88090	4.957	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.200%
26) 1,2-Dichloroethane-d4	5.034	65	40913	5.343	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.800%
32) Benzene-d6	5.053	84	188766	5.582	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.600%
36) 1,2-Dichloropropane-d6	6.072	67	53580	5.681	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.600%
41) Toluene-d8	7.317	98	166032	5.291	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.800%
43) trans-1,3-Dichloroprop...	7.629	79	14171	4.470	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.400%
46) 2-Hexanone-d5	8.088	63	55562	49.940	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.880%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	31276	5.249	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.000%
66) 1,2-Dichlorobenzene-d4	11.622	152	55148	6.167	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	123.400%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.243	50	946	0.076	ug/L	97
8) Chloroethane	1.310	64	809	0.075	ug/L #	1
9) Trichlorofluoromethane	1.754	101	6404	0.325	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	3309	0.299	ug/L #	71
12) 1,1-Dichloroethene	2.121	96	25435	2.318	ug/L #	65
17) Methyl tert-butyl Ether	2.777	73	653	0.038	ug/L #	68
18) trans-1,2-Dichloroethene	2.770	96	3067	0.334	ug/L	91
19) 1,1-Dichloroethane	3.195	63	2375	0.153	ug/L	96
22) cis-1,2-Dichloroethene	3.912	96	27964	2.889	ug/L	96
25) Chloroform	4.378	83	16785	1.021	ug/L	86
27) 1,2-Dichloroethane	5.150	62	906	0.104	ug/L #	71
31) Carbon tetrachloride	4.828	117	8017	0.688	ug/L	97
34) Trichloroethene	5.912	95	706045	77.018	ug/L	99
35) Methylcyclohexane	6.069	83	12821	0.876	ug/L #	21
37) 1,2-Dichloropropane	6.069	63	6036	0.756	ug/L #	85
38) Bromodichloromethane	6.519	83	818	0.082	ug/L #	91
44) trans-1,3-Dichloropropene	7.625	75	631	0.078	ug/L	91
47) Tetrachloroethene	7.976	164	54902	7.650	ug/L	96
49) Dibromochloromethane	7.976	129	51290	8.735	ug/L #	11

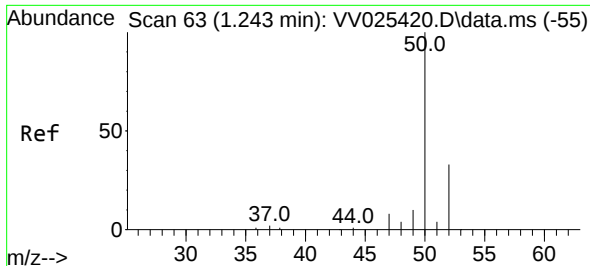
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Data File : VV025423.D
Acq On : 08 Apr 2022 20:41
Operator : SY/MD
Sample : N2219-03
Misc : 25mL/MSVOA_V/WATER
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Instrument :
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Quant Time: Apr 09 06:26:41 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR040822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Apr 09 06:16:16 2022
Response via : Initial Calibration

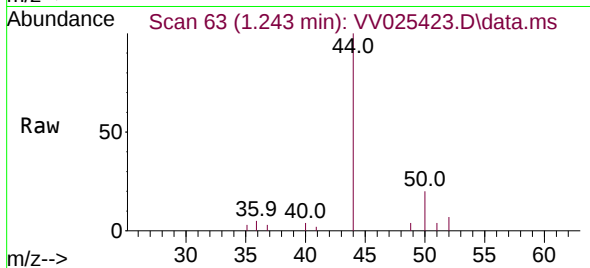
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.149	106	501	0.033	ug/L	94
61) 1,2,3-Trichloropropane	11.249	75	6351	1.808	ug/L #	59
62) 1,3,5-Trimethylbenzene	10.921	105	520	0.035	ug/L	90

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

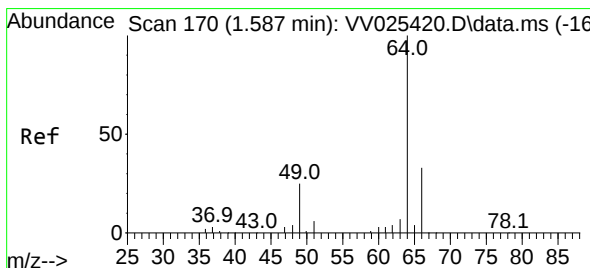
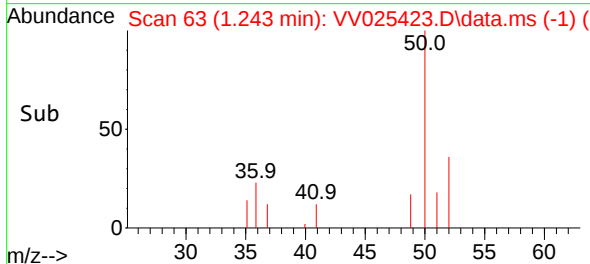
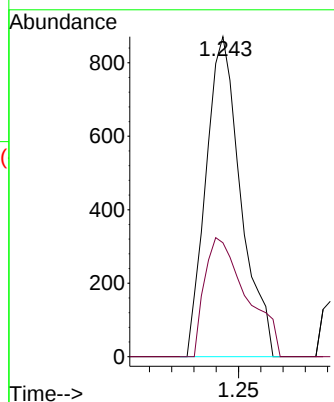


#3
Chloromethane
Concen: 0.076 ug/L
RT: 1.243 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV025423.D
Acq: 08 Apr 2022 20:41

Instrument :
MSVOA_V
ClientSampleId :

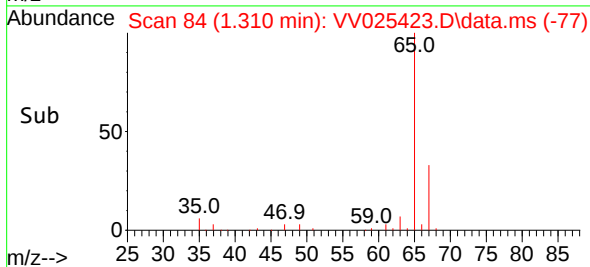
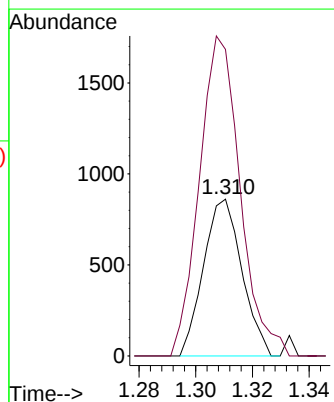
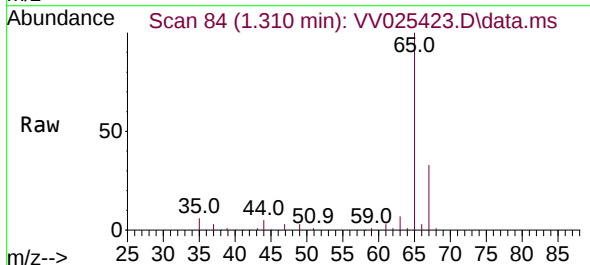


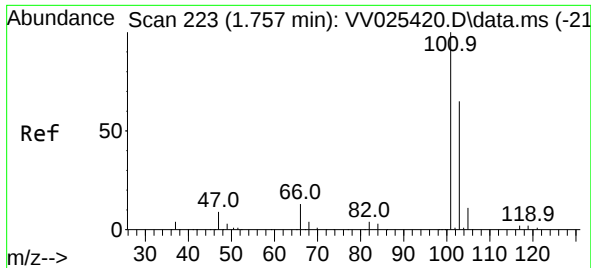
Tgt Ion: 50 Resp: 946
Ion Ratio Lower Upper
50 100
52 35.6 23.7 43.9



#8
Chloroethane
Concen: 0.075 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.277 min
Lab File: VV025423.D
Acq: 08 Apr 2022 20:41

Tgt Ion: 64 Resp: 809
Ion Ratio Lower Upper
64 100
66 195.6 21.8 40.6#

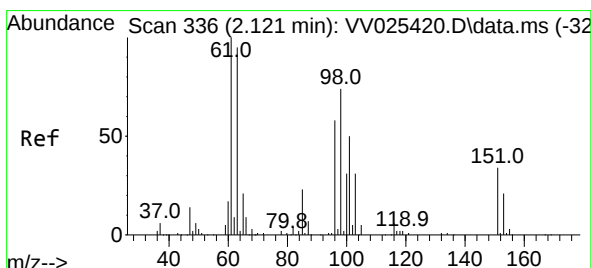
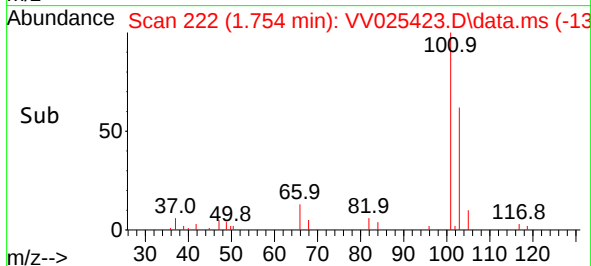
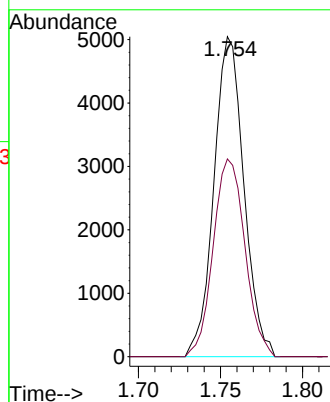
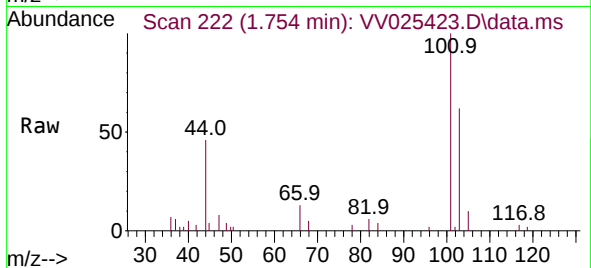




#9
Trichlorofluoromethane
Concen: 0.325 ug/L
RT: 1.754 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV025423.D
Acq: 08 Apr 2022 20:41

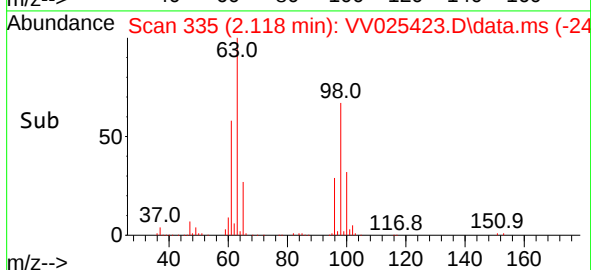
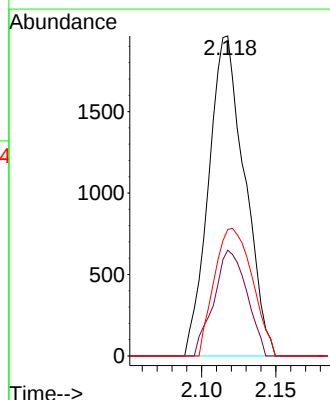
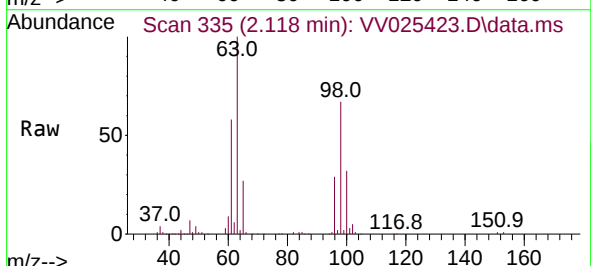
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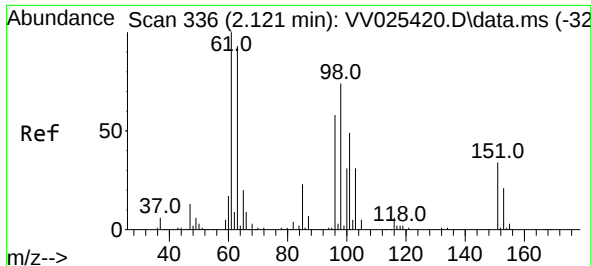
Tgt Ion:101 Resp: 6404
Ion Ratio Lower Upper
101 100
103 65.4 51.9 77.9



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.299 ug/L
RT: 2.118 min Scan# 335
Delta R.T. -0.003 min
Lab File: VV025423.D
Acq: 08 Apr 2022 20:41

Tgt Ion:101 Resp: 3309
Ion Ratio Lower Upper
101 100
85 30.3 35.9 53.9#
151 42.1 56.0 84.0#

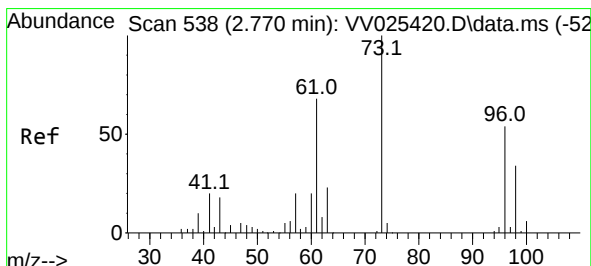
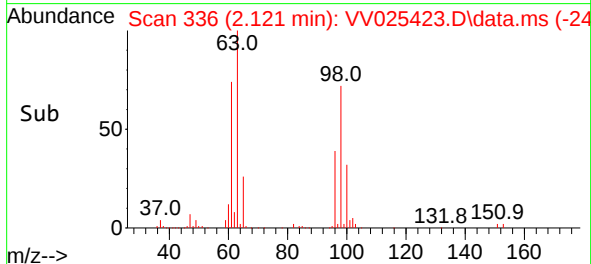
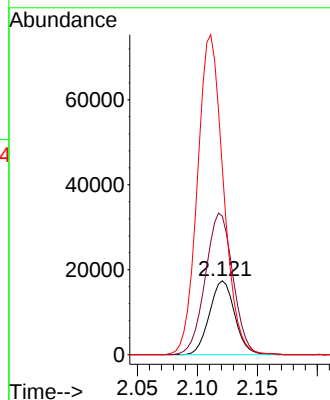
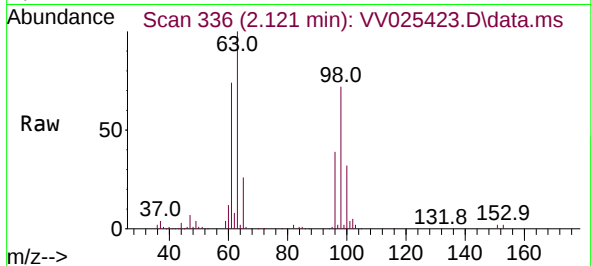




#12
1,1-Dichloroethene
Concen: 2.318 ug/L
RT: 2.121 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV025423.D
Acq: 08 Apr 2022 20:41

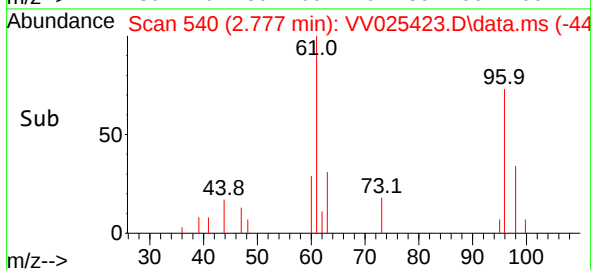
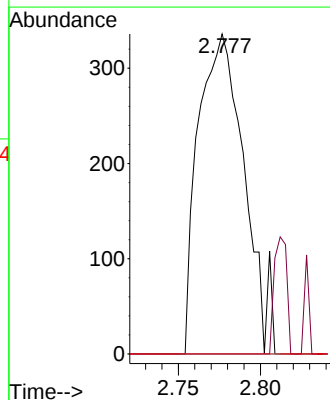
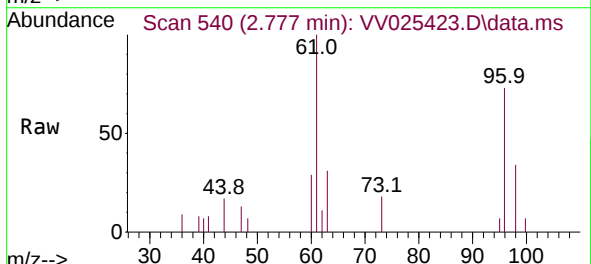
Instrument :
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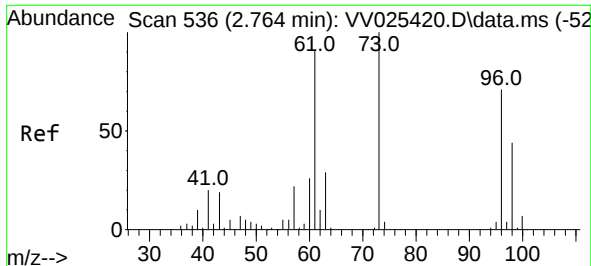
Tgt Ion: 96 Resp: 25435
Ion Ratio Lower Upper
96 100
61 187.5 125.2 232.4
63 253.3 114.4 212.4#



#17
Methyl tert-butyl Ether
Concen: 0.038 ug/L
RT: 2.777 min Scan# 540
Delta R.T. 0.006 min
Lab File: VV025423.D
Acq: 08 Apr 2022 20:41

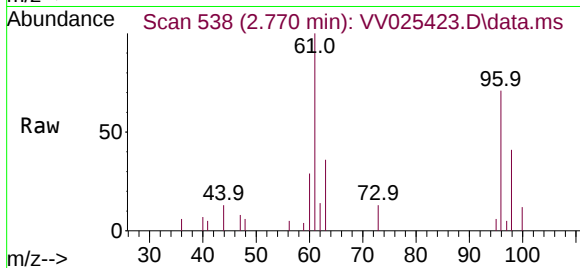
Tgt Ion: 73 Resp: 653
Ion Ratio Lower Upper
73 100
43 10.0 14.2 21.4#
57 0.0 16.1 24.1#



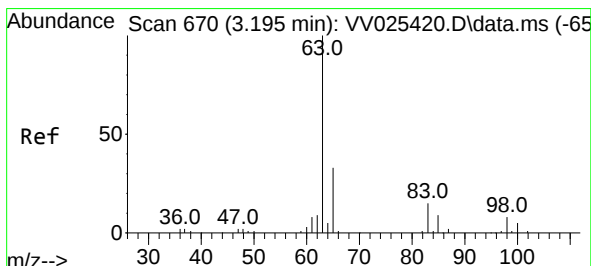
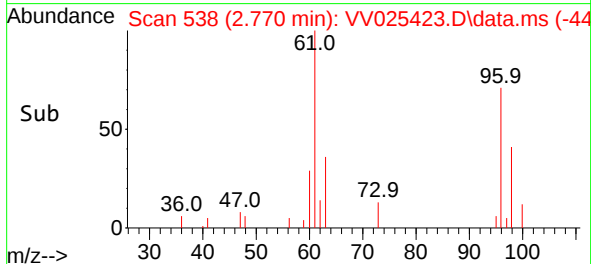
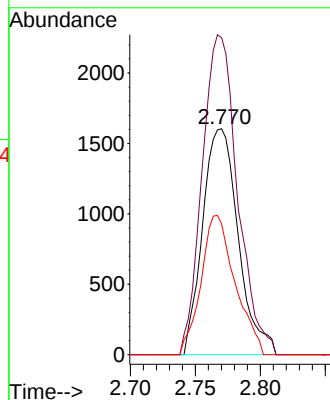


#18
trans-1,2-Dichloroethene
Concen: 0.334 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV025423.D
Acq: 08 Apr 2022 20:41

Instrument :
MSVOA_V
ClientSampleId :

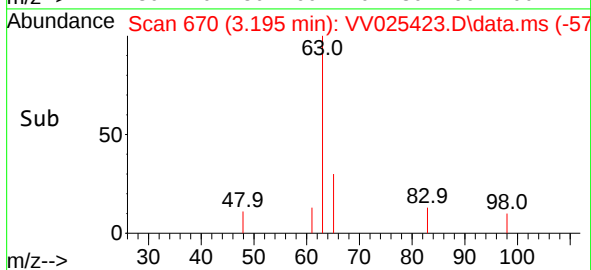
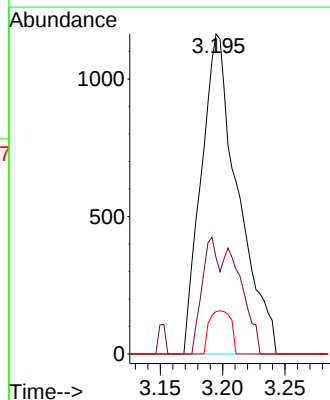
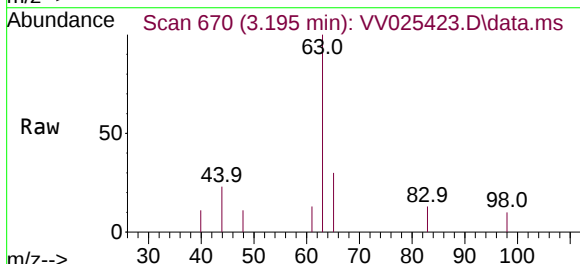


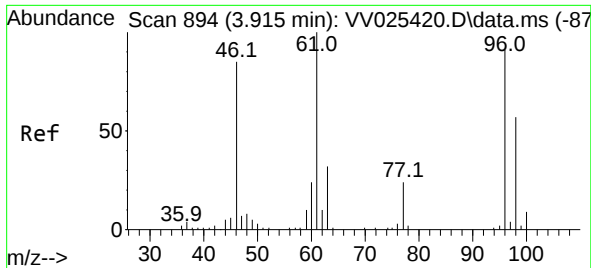
Tgt Ion: 96 Resp: 3067
Ion Ratio Lower Upper
96 100
61 140.3 92.1 171.1
98 57.8 47.5 88.1



#19
1,1-Dichloroethane
Concen: 0.153 ug/L
RT: 3.195 min Scan# 670
Delta R.T. -0.000 min
Lab File: VV025423.D
Acq: 08 Apr 2022 20:41

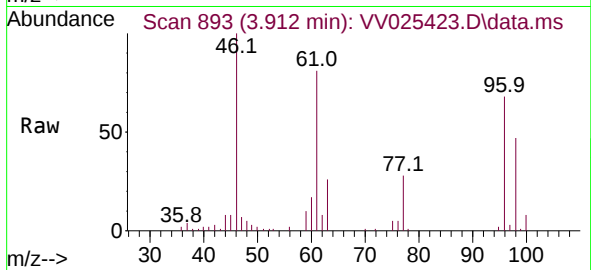
Tgt Ion: 63 Resp: 2375
Ion Ratio Lower Upper
63 100
65 30.1 23.2 43.0
83 13.2 9.0 16.8



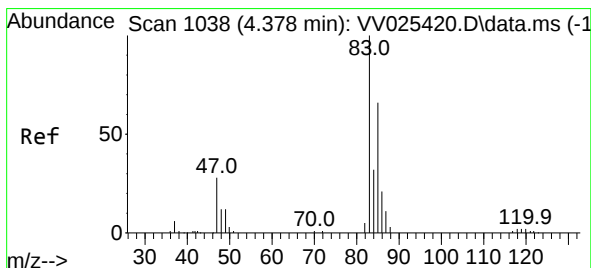
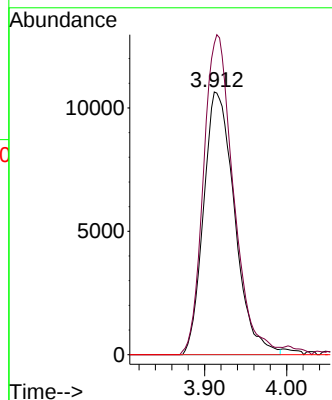
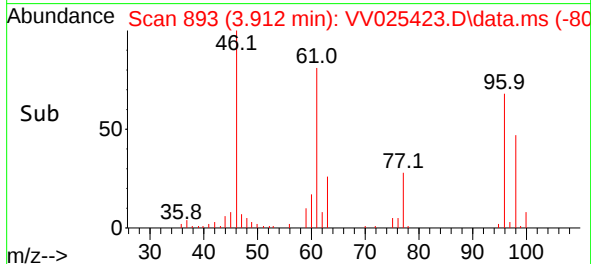


#22
cis-1,2-Dichloroethene
Concen: 2.889 ug/L
RT: 3.912 min Scan# 894
Delta R.T. -0.003 min
Lab File: VV025423.D
Acq: 08 Apr 2022 20:41

Instrument :
MSVOA_V
ClientSampleId :

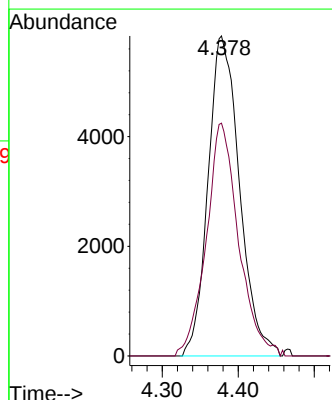
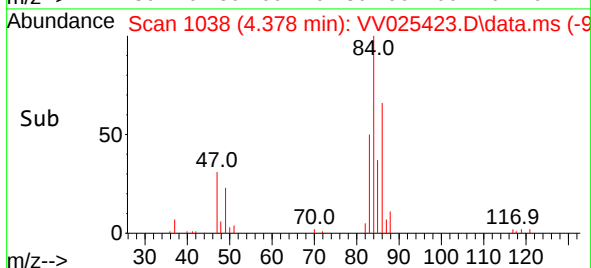
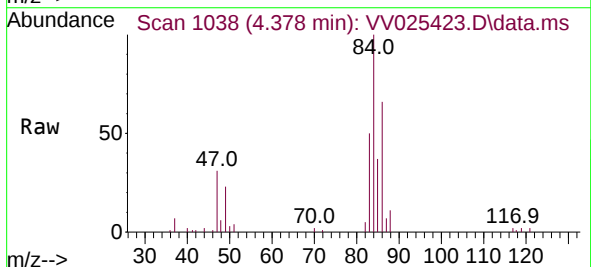


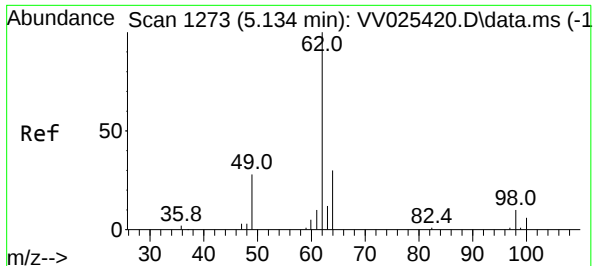
Tgt Ion: 96 Resp: 27964
Ion Ratio Lower Upper
96 100
61 118.4 80.0 148.6
68 0.0 0.0 0.0



#25
Chloroform
Concen: 1.021 ug/L
RT: 4.378 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VV025423.D
Acq: 08 Apr 2022 20:41

Tgt Ion: 83 Resp: 16785
Ion Ratio Lower Upper
83 100
85 72.7 43.5 80.7





#27

1,2-Dichloroethane

Concen: 0.104 ug/L

RT: 5.150 min Scan# 1178

Delta R.T. 0.016 min

Lab File: VV025423.D

Acq: 08 Apr 2022 20:41

Instrument :

MSVOA_V

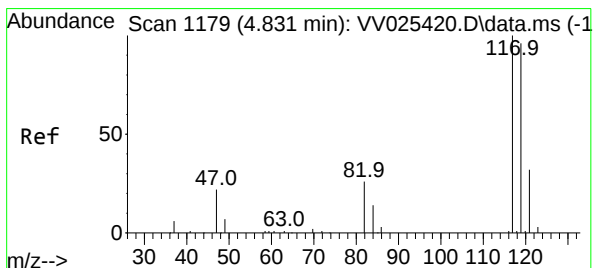
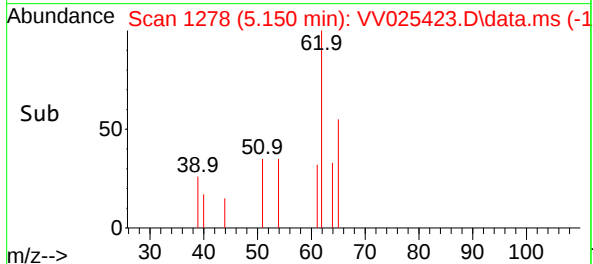
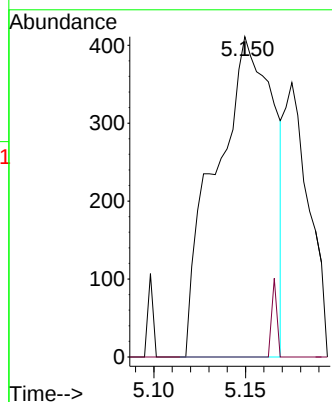
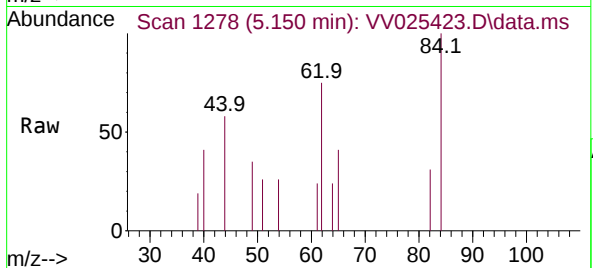
ClientSampleId :

Tgt Ion: 62 Resp: 906

Ion Ratio Lower Upper

62 100

98 0.0 8.8 13.2#



#31

Carbon tetrachloride

Concen: 0.688 ug/L

RT: 4.828 min Scan# 1178

Delta R.T. -0.003 min

Lab File: VV025423.D

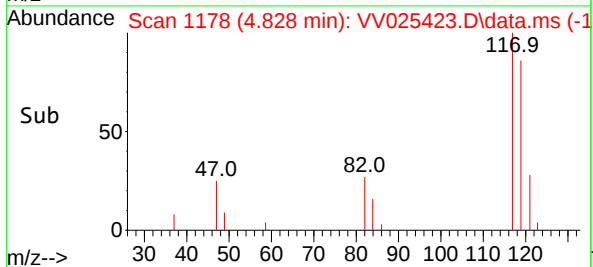
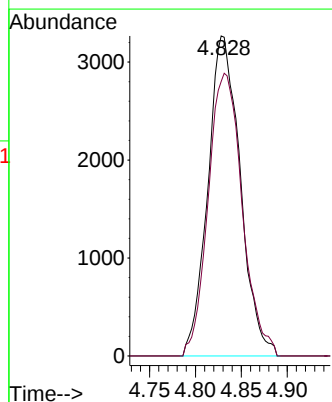
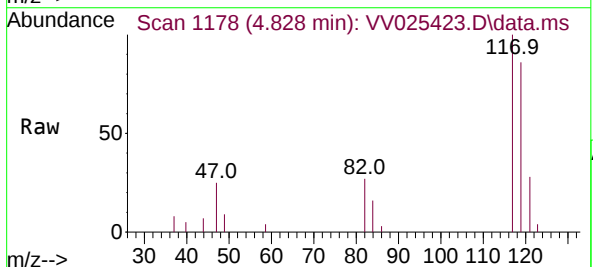
Acq: 08 Apr 2022 20:41

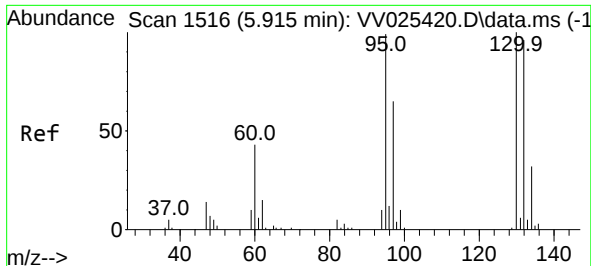
Tgt Ion: 117 Resp: 8017

Ion Ratio Lower Upper

117 100

119 92.8 76.6 114.8

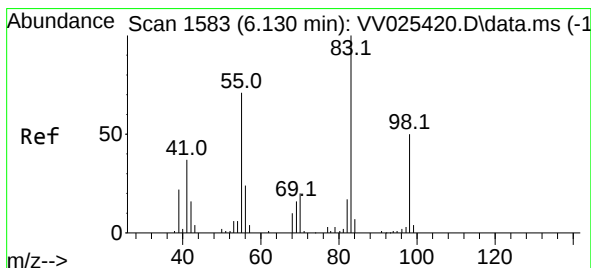
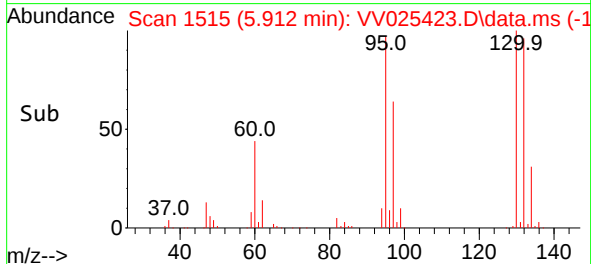
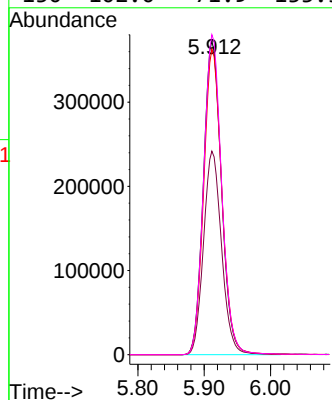
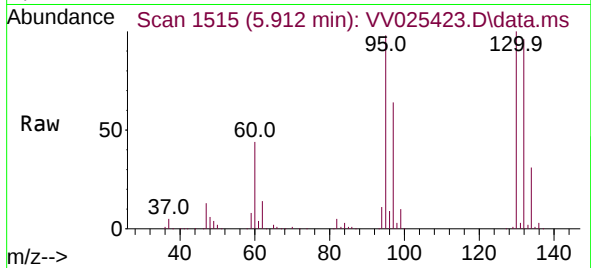




#34
Trichloroethene
Concen: 77.018 ug/L
RT: 5.912 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV025423.D
Acq: 08 Apr 2022 20:41

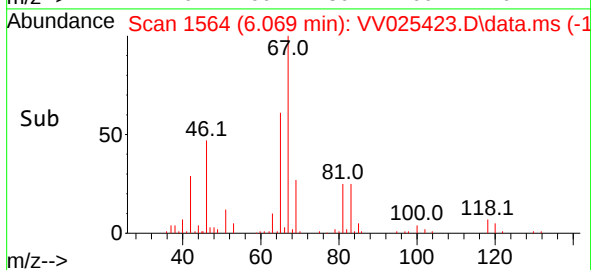
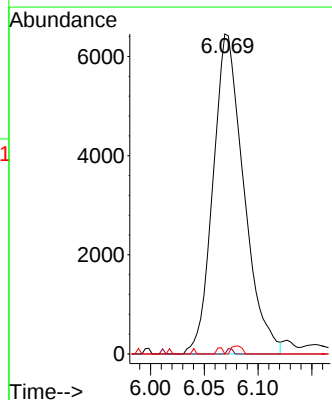
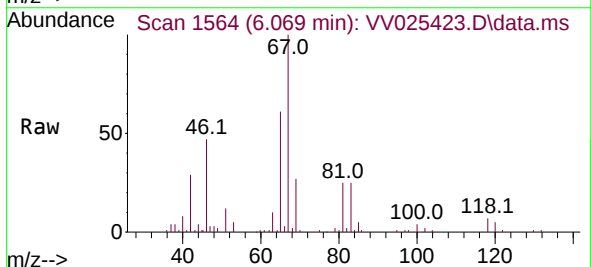
Instrument :
MSVOA_V
ClientSampleId :

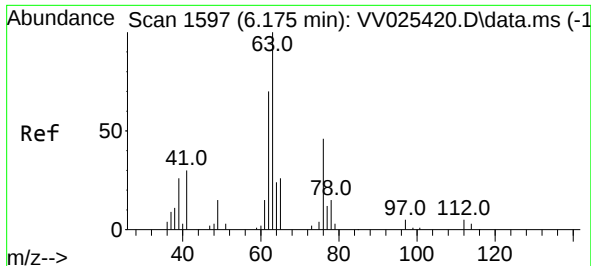
Tgt Ion: 95 Resp: 706045
Ion Ratio Lower Upper
95 100
97 64.9 45.8 85.2
132 97.4 68.0 126.4
130 102.0 71.9 133.5



#35
Methylcyclohexane
Concen: 0.876 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.061 min
Lab File: VV025423.D
Acq: 08 Apr 2022 20:41

Tgt Ion: 83 Resp: 12821
Ion Ratio Lower Upper
83 100
55 0.3 53.7 80.5#
98 0.0 39.6 59.4#





#37

1,2-Dichloropropane

Concen: 0.756 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.106 min

Lab File: VV025423.D

Acq: 08 Apr 2022 20:41

Instrument :

MSVOA_V

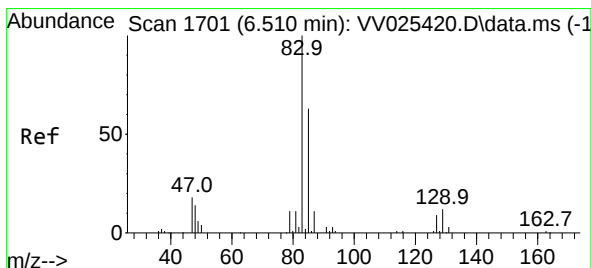
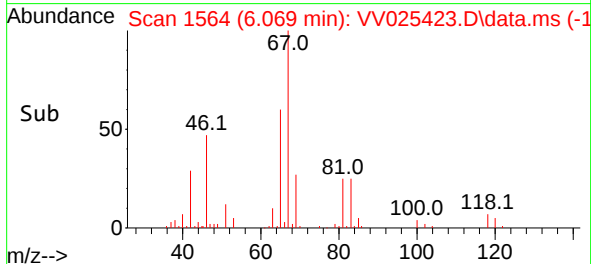
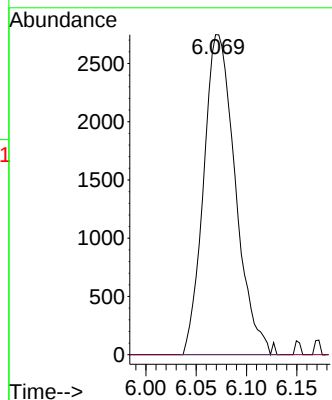
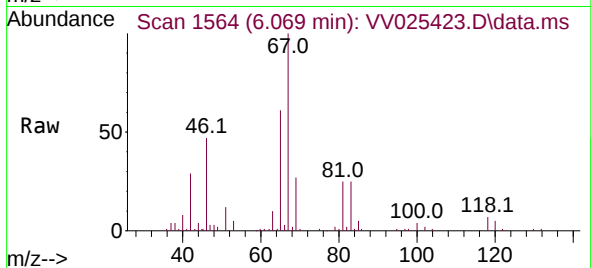
ClientSampleId :

Tgt Ion: 63 Resp: 6036

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#38

Bromodichloromethane

Concen: 0.082 ug/L

RT: 6.519 min Scan# 1704

Delta R.T. 0.010 min

Lab File: VV025423.D

Acq: 08 Apr 2022 20:41

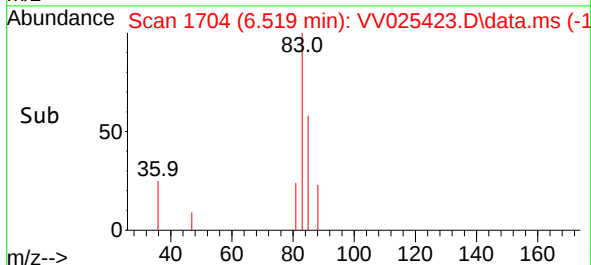
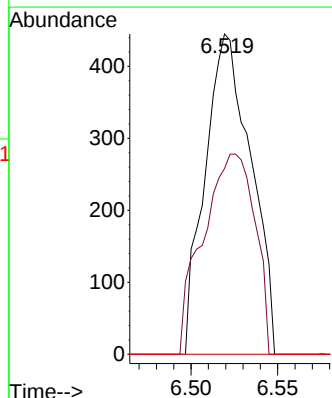
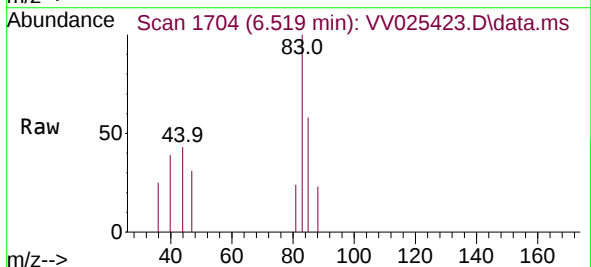
Tgt Ion: 83 Resp: 818

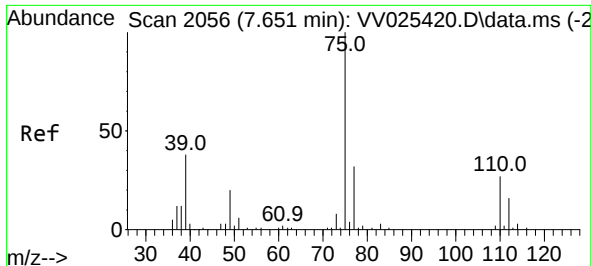
Ion Ratio Lower Upper

83 100

85 58.0 44.4 82.4

127 0.0 7.2 10.8#

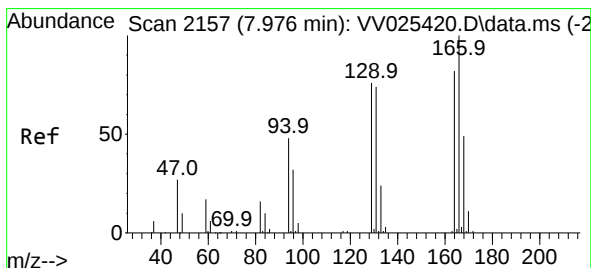
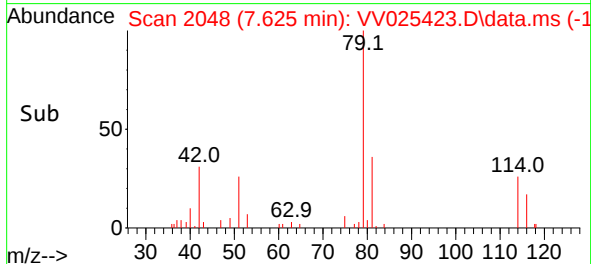
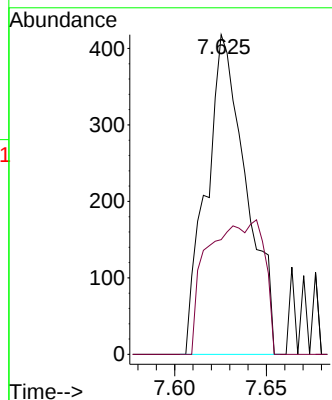
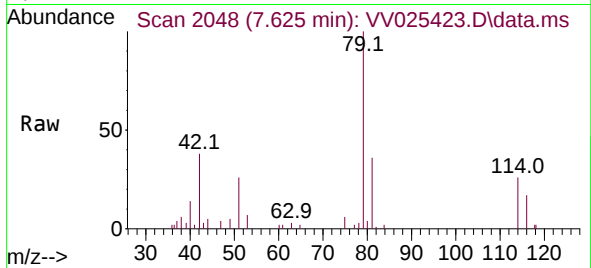




#44
trans-1,3-Dichloropropene
Concen: 0.078 ug/L
RT: 7.625 min Scan# 2048
Delta R.T. -0.026 min
Lab File: VV025423.D
Acq: 08 Apr 2022 20:41

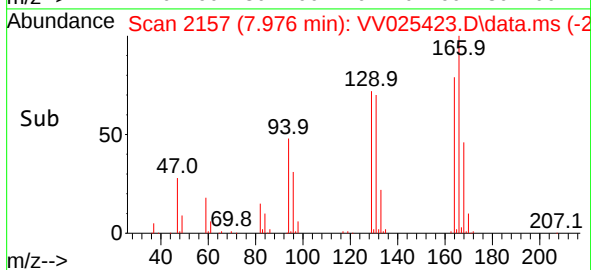
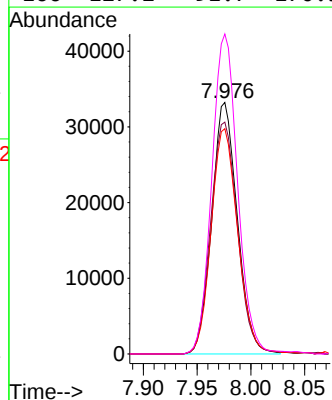
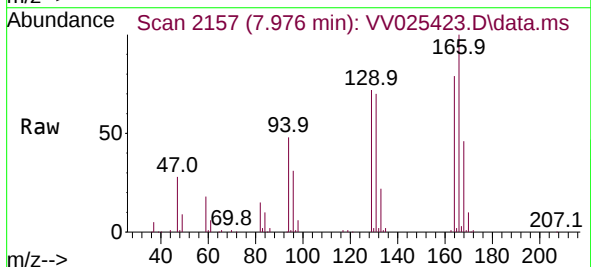
Instrument :
MSVOA_V
ClientSampleId :

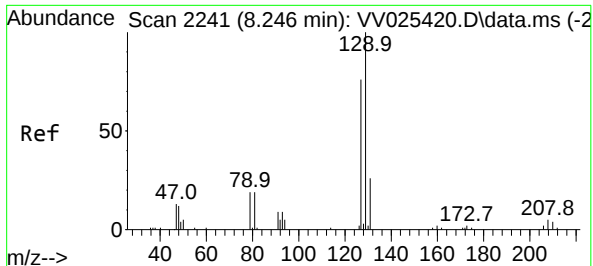
Tgt Ion: 75 Resp: 631
Ion Ratio Lower Upper
75 100
77 35.9 21.7 40.3



#47
Tetrachloroethene
Concen: 7.650 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.000 min
Lab File: VV025423.D
Acq: 08 Apr 2022 20:41

Tgt Ion: 164 Resp: 54902
Ion Ratio Lower Upper
164 100
129 92.2 66.8 124.2
131 89.6 66.4 123.4
166 127.2 91.7 170.3





#49

Dibromochloromethane

Concen: 8.735 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.270 min

Lab File: VV025423.D

Acq: 08 Apr 2022 20:41

Instrument :

MSVOA_V

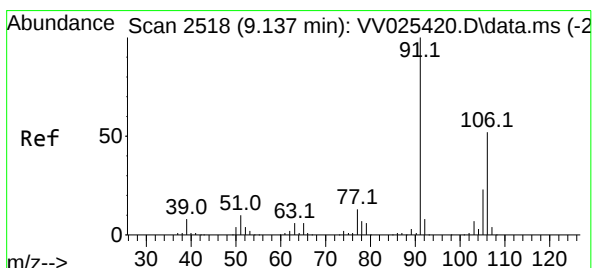
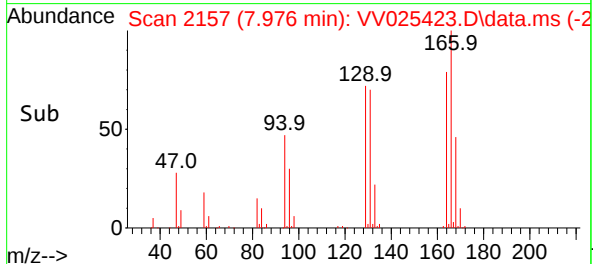
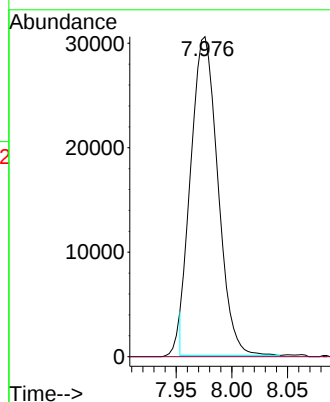
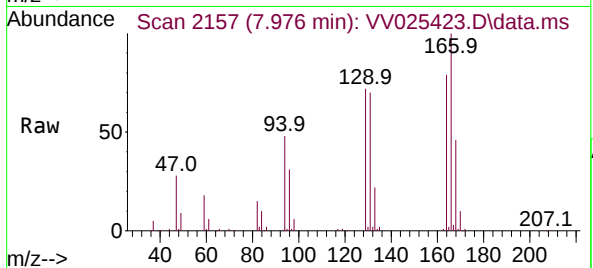
ClientSampleId :

Tgt Ion:129 Resp: 51290

Ion Ratio Lower Upper

129 100

127 0.0 53.8 100.0#



#53

m,p-Xylene

Concen: 0.033 ug/L

RT: 9.149 min Scan# 2522

Delta R.T. 0.013 min

Lab File: VV025423.D

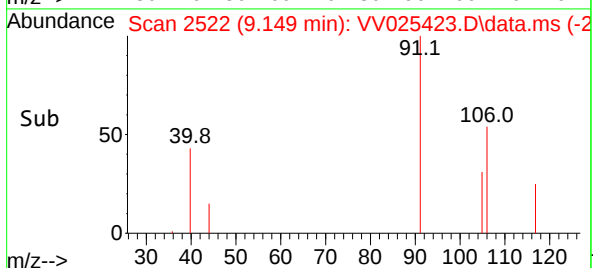
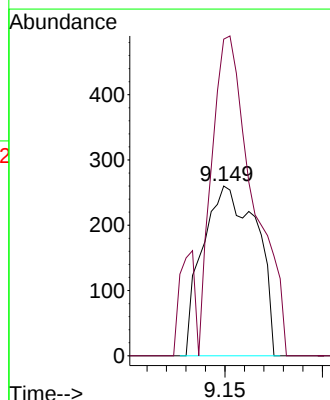
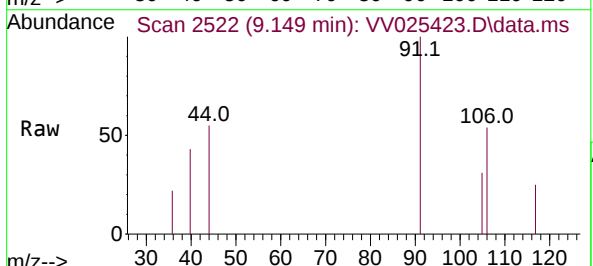
Acq: 08 Apr 2022 20:41

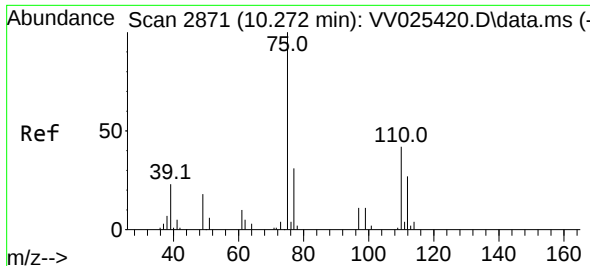
Tgt Ion:106 Resp: 501

Ion Ratio Lower Upper

106 100

91 186.5 136.4 253.4

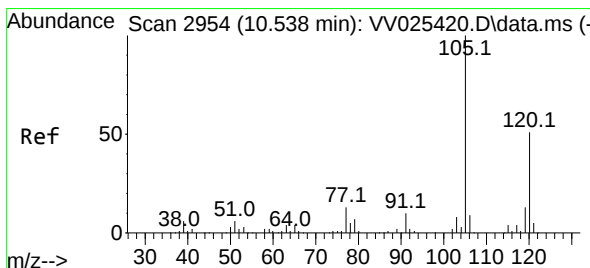
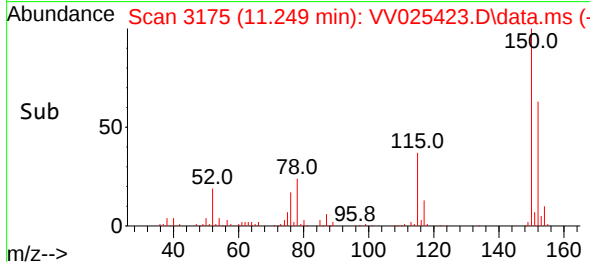
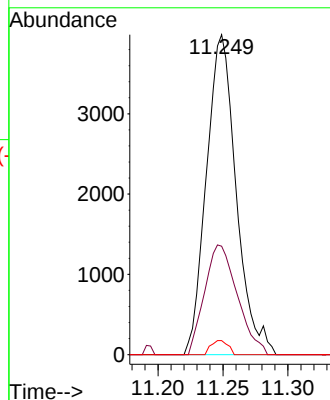
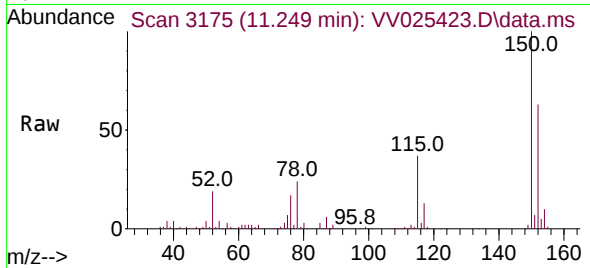




#61
 1,2,3-Trichloropropane
 Concen: 1.808 ug/L
 RT: 11.249 min Scan# 3175
 Delta R.T. 0.977 min
 Lab File: VV025423.D
 Acq: 08 Apr 2022 20:41

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion: 75 Resp: 6351
 Ion Ratio Lower Upper
 75 100
 77 37.7 25.6 38.4
 110 2.5 34.7 52.1#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.035 ug/L
 RT: 10.921 min Scan# 3073
 Delta R.T. 0.383 min
 Lab File: VV025423.D
 Acq: 08 Apr 2022 20:41

Tgt Ion: 105 Resp: 520
 Ion Ratio Lower Upper
 105 100
 120 42.3 39.6 59.4

