

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040822\
 Data File : VW025422.D
 Acq On : 08 Apr 2022 20:17
 Operator : SY/MD
 Sample : N2219-02
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 YB2G9

Quant Time: Apr 09 06:26:25 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	130627	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	124883	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	56939	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	67424	5.552	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.000%
7) Chloroethane-d5	1.571	69	60467	4.680	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.600%
11) 1,1-Dichloroethene-d2	2.111	63	116167	4.775	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.400%
20) 2-Butanone-d5	3.895	46	73103	49.486	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.980%
24) Chloroform-d	4.352	84	88808	4.839	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
26) 1,2-Dichloroethane-d4	5.037	65	40589	5.133	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.600%
32) Benzene-d6	5.053	84	188485	5.216	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.400%
36) 1,2-Dichloropropane-d6	6.072	67	54280	5.386	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.800%
41) Toluene-d8	7.317	98	168136	5.014	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.200%
43) trans-1,3-Dichloroprop...	7.625	79	14984	4.424	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.400%
46) 2-Hexanone-d5	8.088	63	57944	48.743	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.480%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	32309	5.075	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.400%
66) 1,2-Dichlorobenzene-d4	11.622	152	57274	6.000	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	120.000%
Target Compounds						
					Qvalue	
9) Trichlorofluoromethane	1.757	101	6292	0.309	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	3314	0.290	ug/L #	81
12) 1,1-Dichloroethene	2.121	96	28055	2.476	ug/L #	53
17) Methyl tert-butyl Ether	2.773	73	729	0.042	ug/L #	77
18) trans-1,2-Dichloroethene	2.767	96	3107	0.327	ug/L	91
19) 1,1-Dichloroethane	3.191	63	2507	0.156	ug/L #	86
22) cis-1,2-Dichloroethene	3.915	96	28693	2.871	ug/L	91
25) Chloroform	4.381	83	16701	0.984	ug/L	85
27) 1,2-Dichloroethane	5.153	62	940	0.105	ug/L #	75
31) Carbon tetrachloride	4.831	117	8852	0.711	ug/L	86
34) Trichloroethene	5.911	95	714123	72.907	ug/L	98
35) Methylcyclohexane	6.069	83	13349	0.854	ug/L #	22
37) 1,2-Dichloropropane	6.069	63	5994	0.702	ug/L #	85
38) Bromodichloromethane	6.526	83	869	0.082	ug/L #	75
39) cis-1,3-Dichloropropene	6.989	75	1307	0.117	ug/L #	49
44) trans-1,3-Dichloropropene	7.625	75	819	0.094	ug/L	90
47) Tetrachloroethene	7.976	164	56758	7.402	ug/L	98
49) Dibromochloromethane	7.976	129	51917	8.275	ug/L #	11
61) 1,2,3-Trichloropropane	11.249	75	6893	1.838	ug/L #	61

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Quant Time: Apr 09 06:26:25 2022
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Apr 09 06:16:16 2022
Response via : Initial Calibration

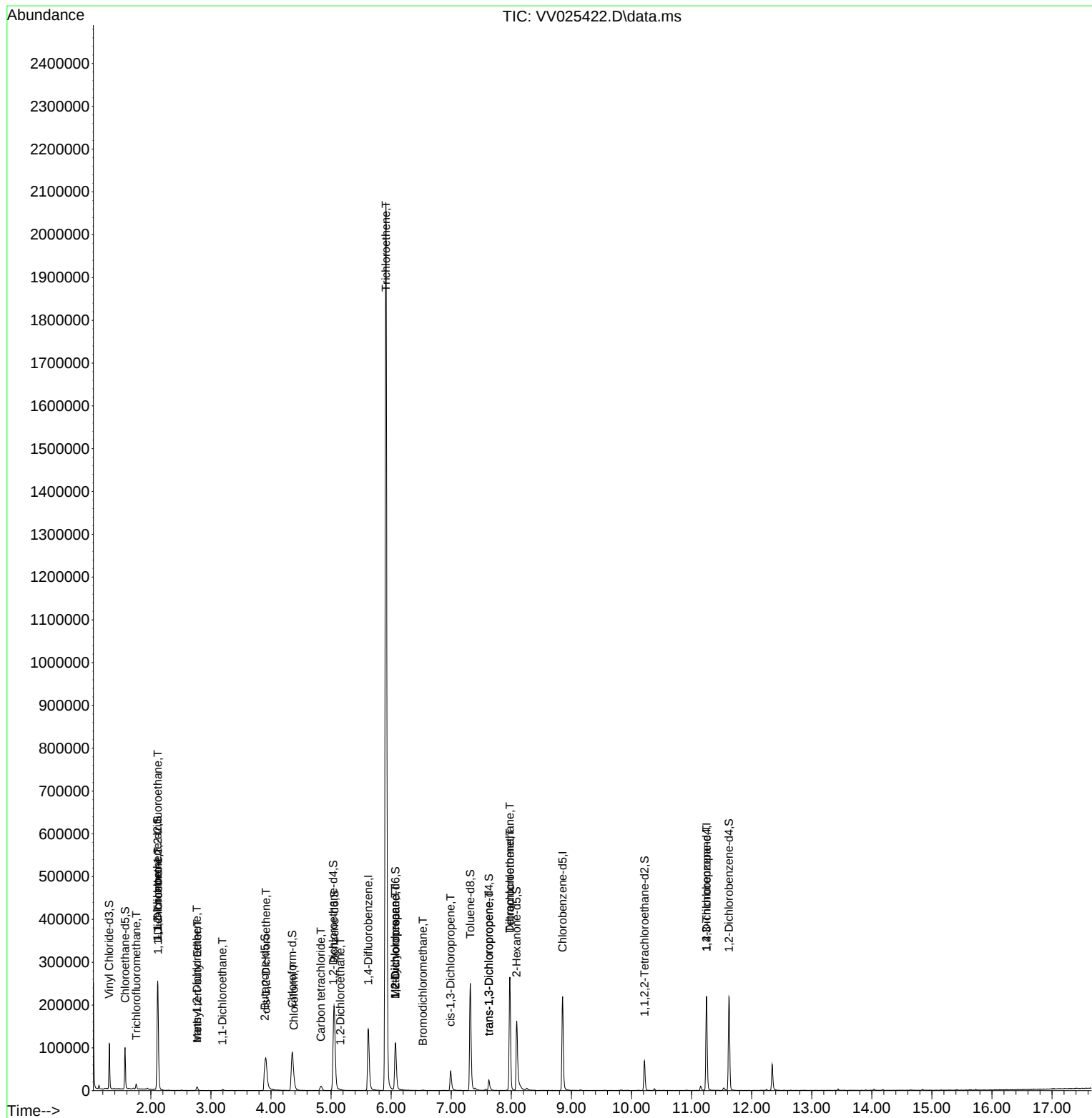
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

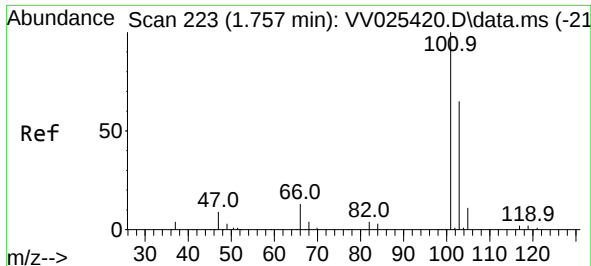
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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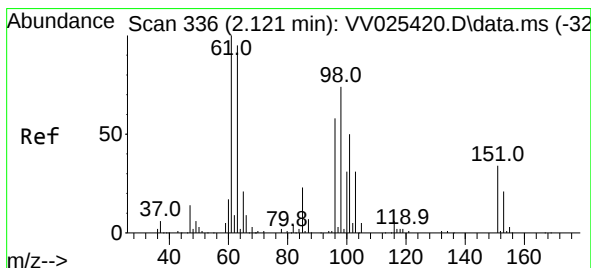
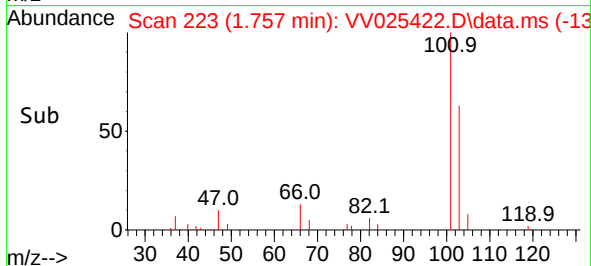
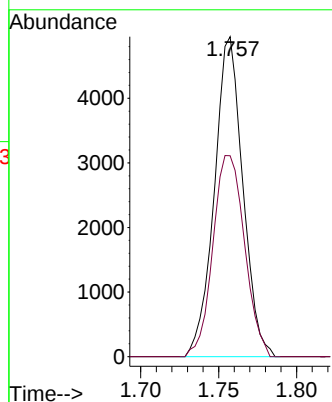
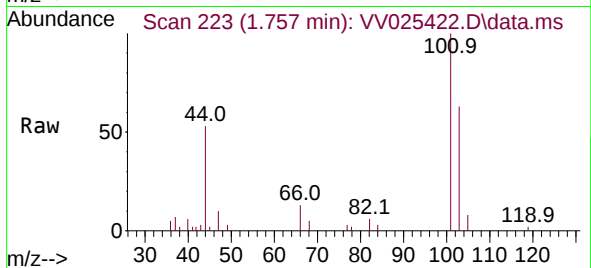




#9
 Trichlorofluoromethane
 Concen: 0.309 ug/L
 RT: 1.757 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV025422.D
 Acq: 08 Apr 2022 20:17

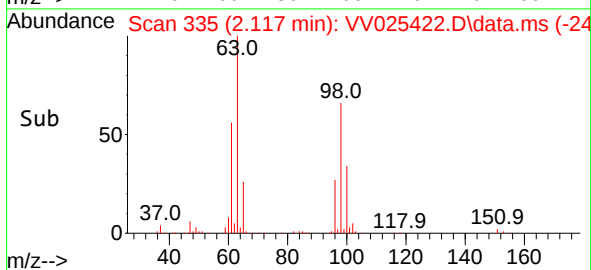
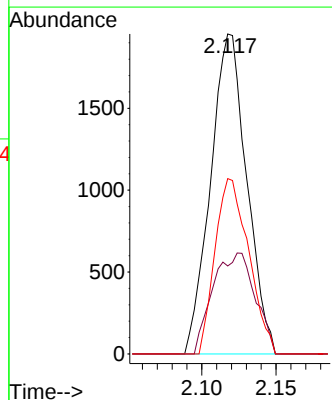
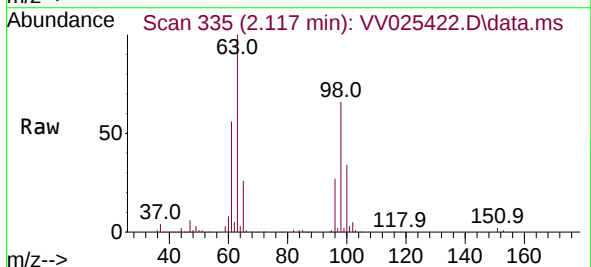
Instrument :
 MSVOA_V
 ClientSampleId :
 YB2G9

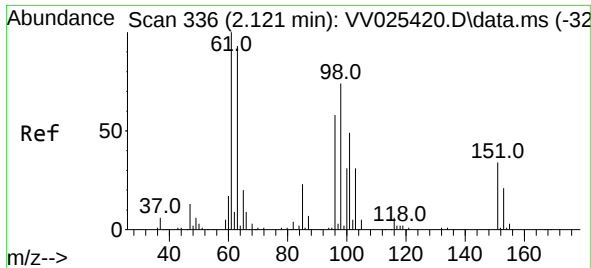
Tgt Ion:101 Resp: 6292
 Ion Ratio Lower Upper
 101 100
 103 69.8 51.9 77.9



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.290 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. -0.003 min
 Lab File: VV025422.D
 Acq: 08 Apr 2022 20:17

Tgt Ion:101 Resp: 3314
 Ion Ratio Lower Upper
 101 100
 85 36.8 35.9 53.9
 151 50.9 56.0 84.0#

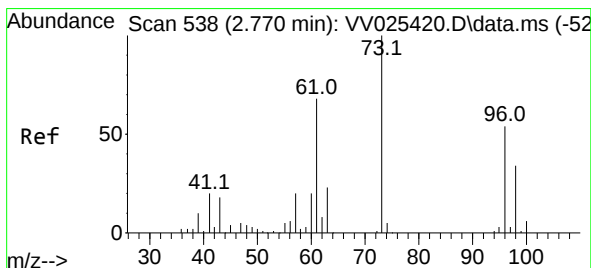
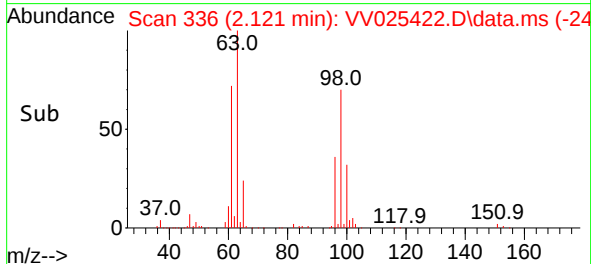
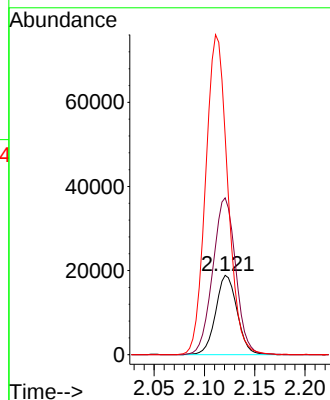
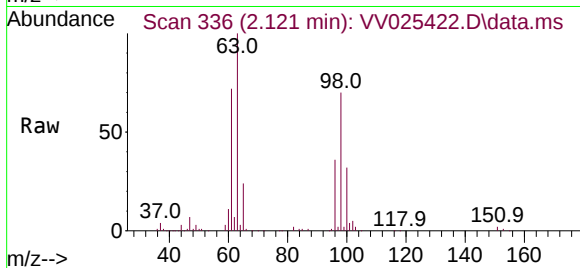




#12
 1,1-Dichloroethene
 Concen: 2.476 ug/L
 RT: 2.121 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: VV025422.D
 Acq: 08 Apr 2022 20:17

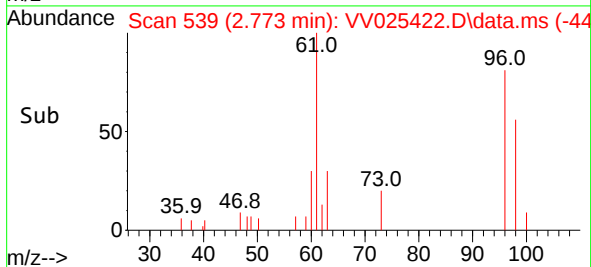
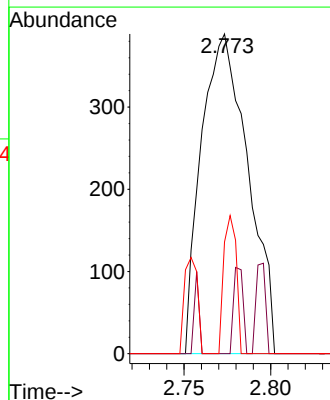
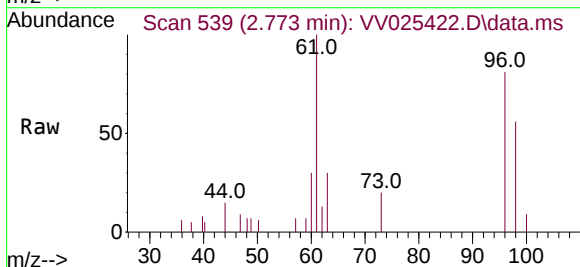
Instrument :
 MSVOA_V
 ClientSampleId :
 YB2G9

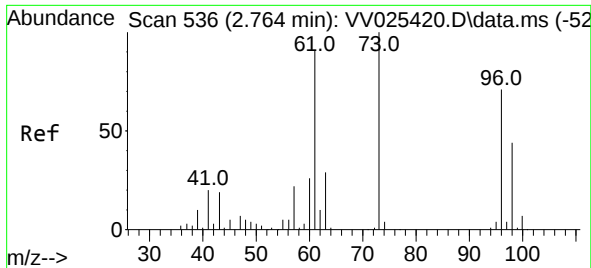
Tgt Ion: 96 Resp: 28055
 Ion Ratio Lower Upper
 96 100
 61 197.8 125.2 232.4
 63 276.1 114.4 212.4#



#17
 Methyl tert-butyl Ether
 Concen: 0.042 ug/L
 RT: 2.773 min Scan# 539
 Delta R.T. 0.003 min
 Lab File: VV025422.D
 Acq: 08 Apr 2022 20:17

Tgt Ion: 73 Resp: 729
 Ion Ratio Lower Upper
 73 100
 43 5.5 14.2 21.4#
 57 11.7 16.1 24.1#

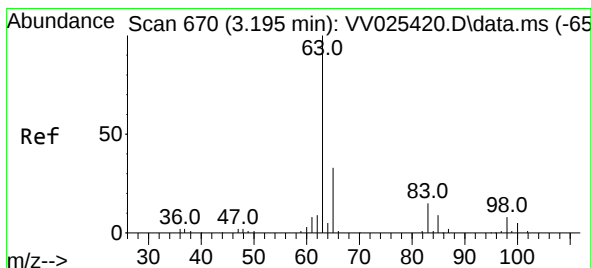
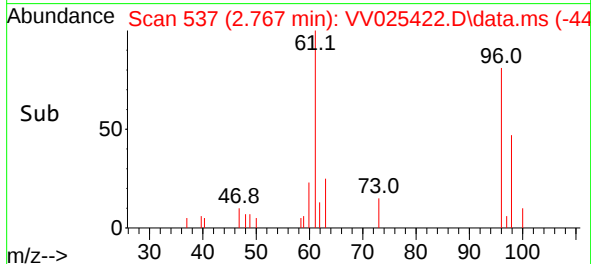
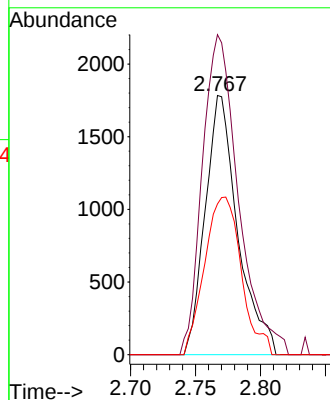
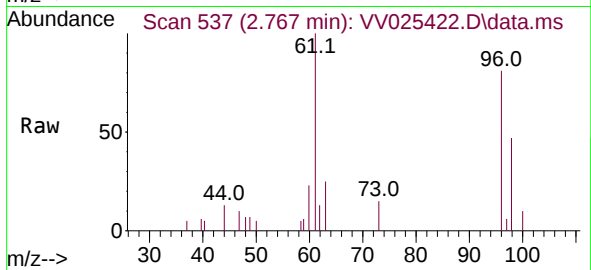




#18
trans-1,2-Dichloroethene
Concen: 0.327 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV025422.D
Acq: 08 Apr 2022 20:17

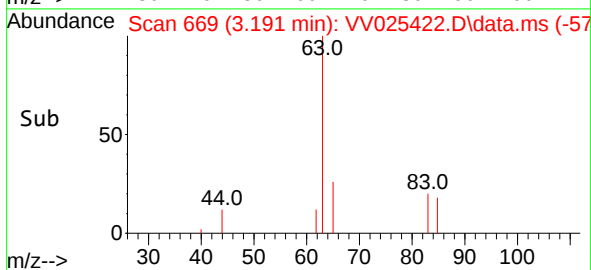
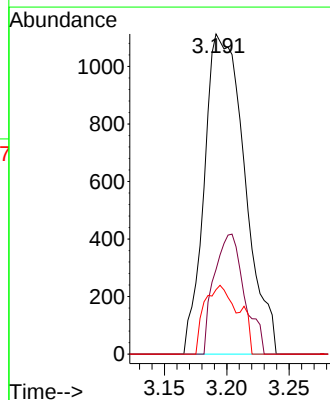
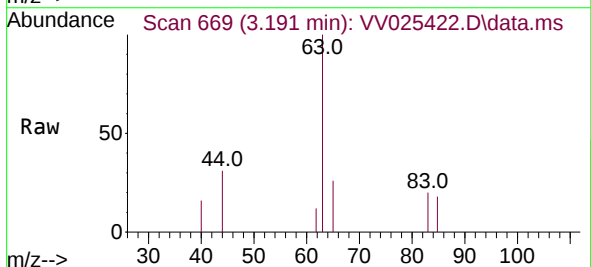
Instrument :
MSVOA_V
ClientSampleId :
YB2G9

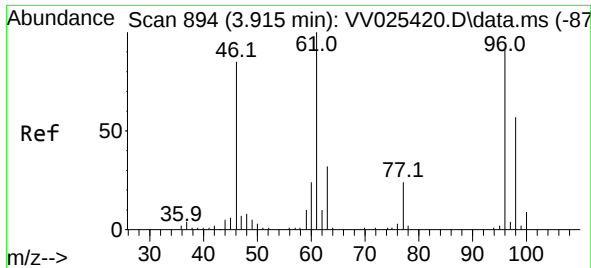
Tgt Ion: 96 Resp: 3107
Ion Ratio Lower Upper
96 100
61 123.4 92.1 171.1
98 58.1 47.5 88.1



#19
1,1-Dichloroethane
Concen: 0.156 ug/L
RT: 3.191 min Scan# 669
Delta R.T. -0.003 min
Lab File: VV025422.D
Acq: 08 Apr 2022 20:17

Tgt Ion: 63 Resp: 2507
Ion Ratio Lower Upper
63 100
65 26.4 23.2 43.0
83 20.1 9.0 16.8#



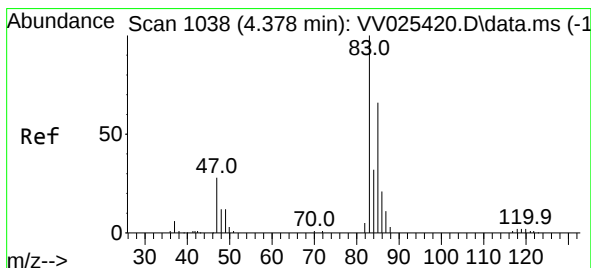
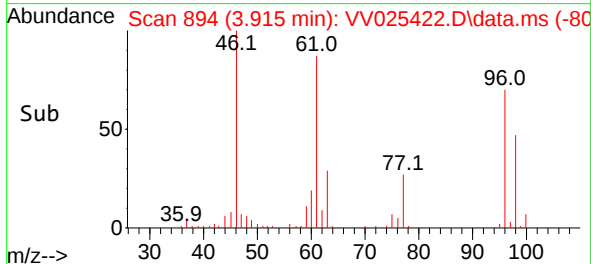
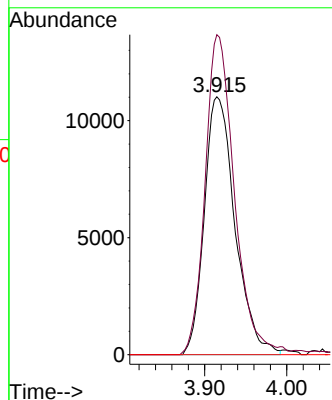
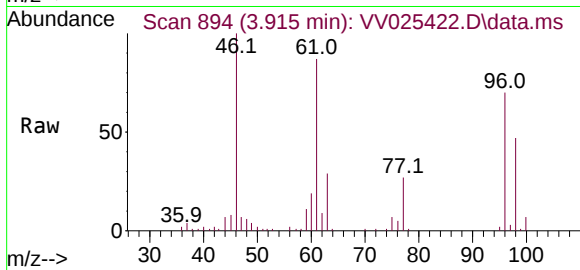


#22
 cis-1,2-Dichloroethene
 Concen: 2.871 ug/L
 RT: 3.915 min Scan# 894
 Delta R.T. -0.000 min
 Lab File: VV025422.D
 Acq: 08 Apr 2022 20:17

Instrument :
 MSVOA_V
 ClientSampleId :
 YB2G9

Tgt Ion: 96 Resp: 28693

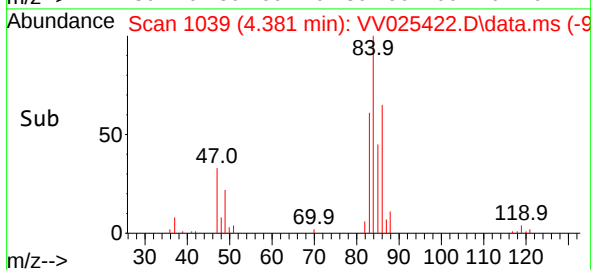
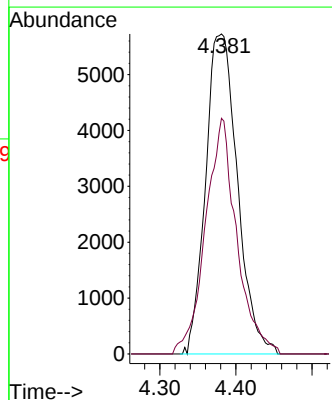
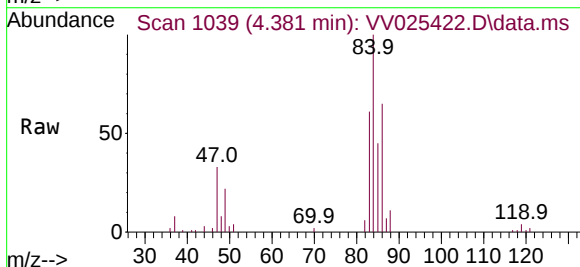
Ion	Ratio	Lower	Upper
96	100		
61	124.0	80.0	148.6
68	0.0	0.0	0.0

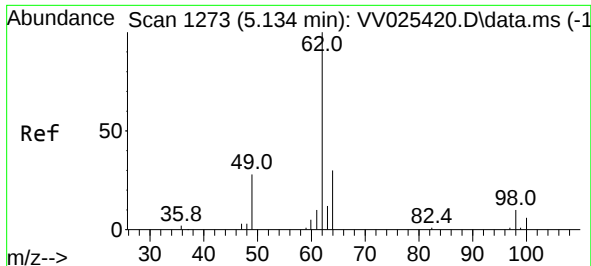


#25
 Chloroform
 Concen: 0.984 ug/L
 RT: 4.381 min Scan# 1039
 Delta R.T. 0.003 min
 Lab File: VV025422.D
 Acq: 08 Apr 2022 20:17

Tgt Ion: 83 Resp: 16701

Ion	Ratio	Lower	Upper
83	100		
85	73.7	43.5	80.7





#27

1,2-Dichloroethane

Concen: 0.105 ug/L

RT: 5.153 min Scan# 1179

Delta R.T. 0.019 min

Lab File: VV025422.D

Acq: 08 Apr 2022 20:17

Instrument :

MSVOA_V

ClientSampleId :

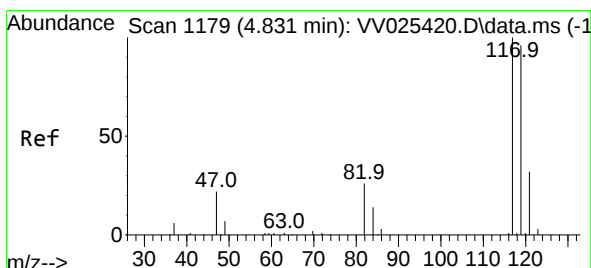
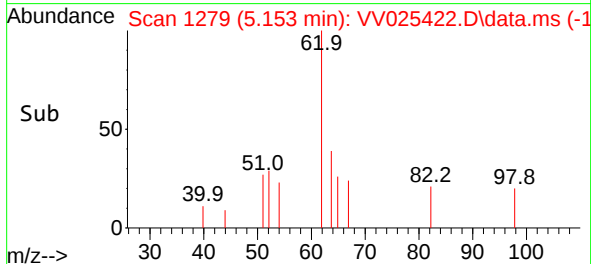
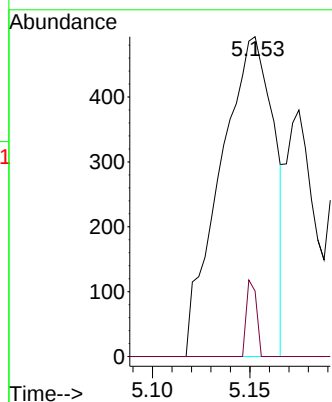
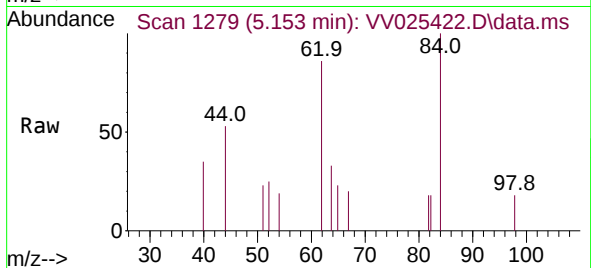
YB2G9

Tgt Ion: 62 Resp: 940

Ion Ratio Lower Upper

62 100

98 20.5 8.8 13.2#



#31

Carbon tetrachloride

Concen: 0.711 ug/L

RT: 4.831 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VV025422.D

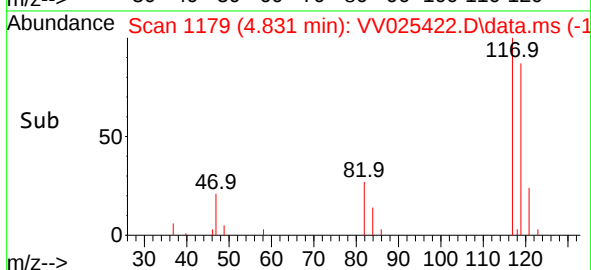
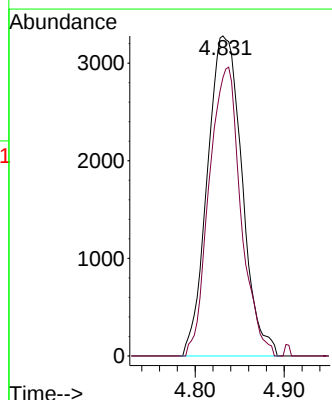
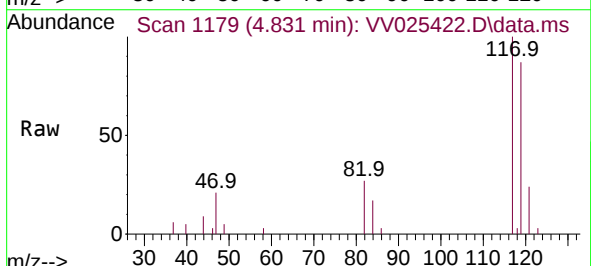
Acq: 08 Apr 2022 20:17

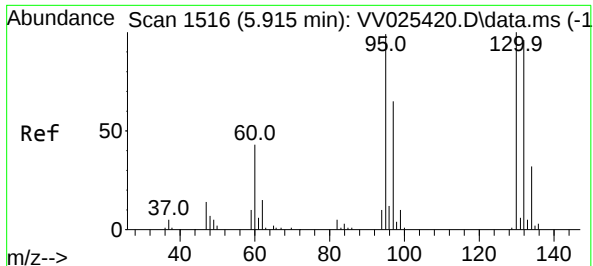
Tgt Ion: 117 Resp: 8852

Ion Ratio Lower Upper

117 100

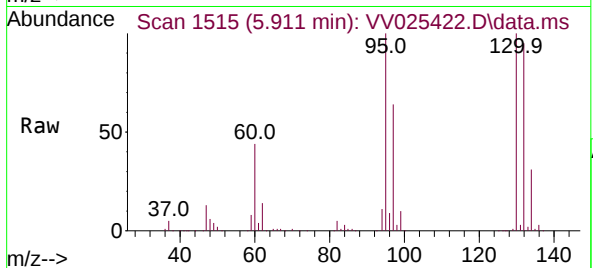
119 82.5 76.6 114.8





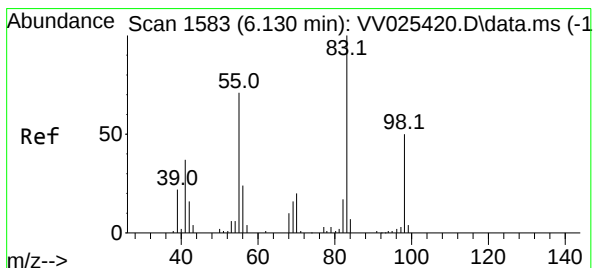
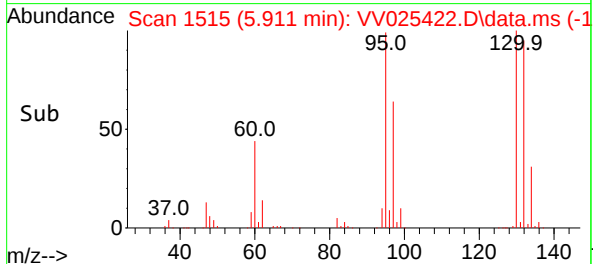
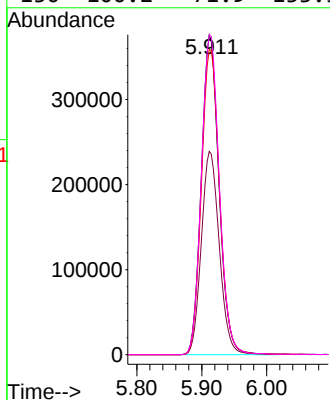
#34
Trichloroethene
Concen: 72.907 ug/L
RT: 5.911 min Scan# 1516
Delta R.T. -0.003 min
Lab File: VV025422.D
Acq: 08 Apr 2022 20:17

Instrument :
MSVOA_V
ClientSampleId :
YB2G9



Tgt Ion: 95 Resp: 714123

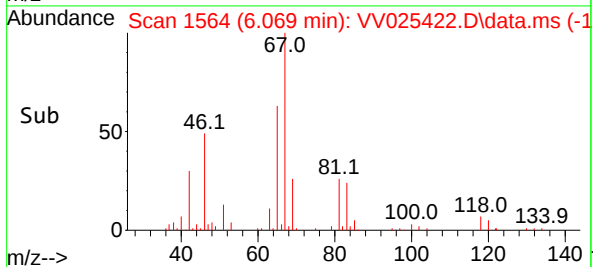
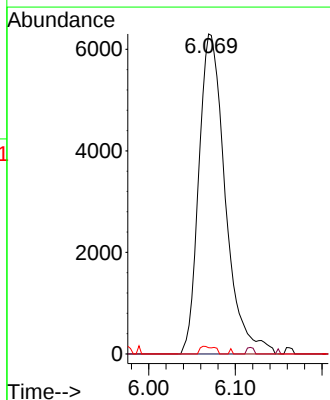
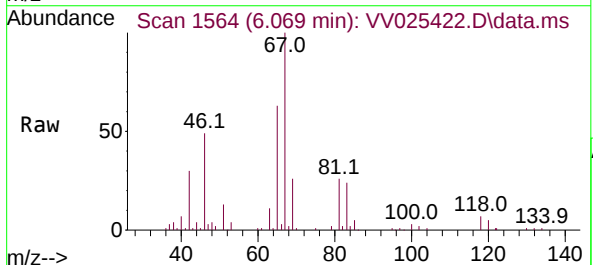
Ion	Ratio	Lower	Upper
95	100		
97	63.7	45.8	85.2
132	95.5	68.0	126.4
130	100.2	71.9	133.5

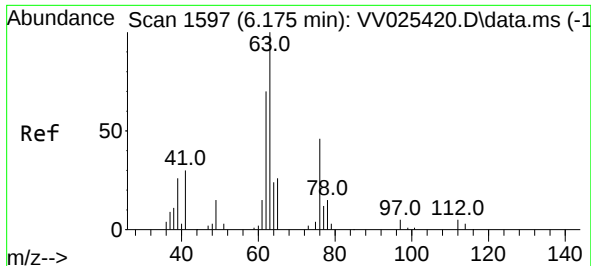


#35
Methylcyclohexane
Concen: 0.854 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.061 min
Lab File: VV025422.D
Acq: 08 Apr 2022 20:17

Tgt Ion: 83 Resp: 13349

Ion	Ratio	Lower	Upper
83	100		
55	0.5	53.7	80.5#
98	0.0	39.6	59.4#





#37

1,2-Dichloropropane

Concen: 0.702 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.106 min

Lab File: VV025422.D

Acq: 08 Apr 2022 20:17

Instrument :

MSVOA_V

ClientSampleId :

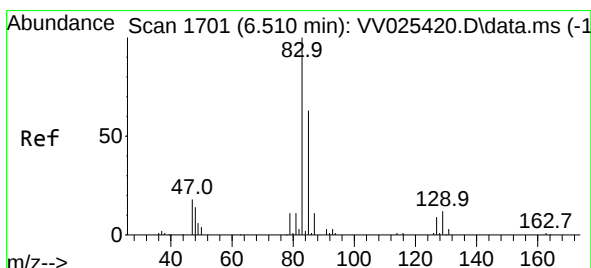
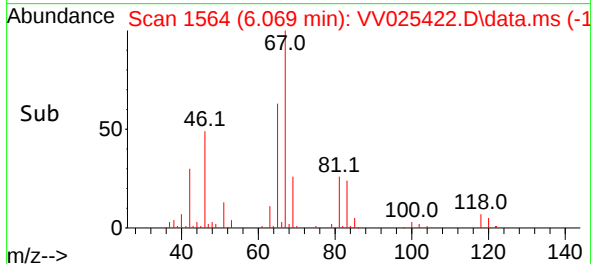
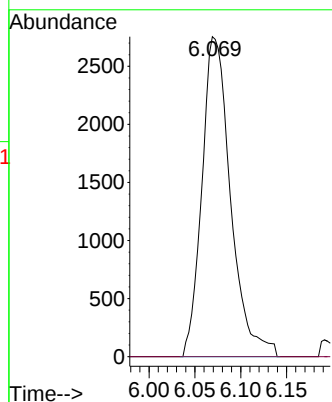
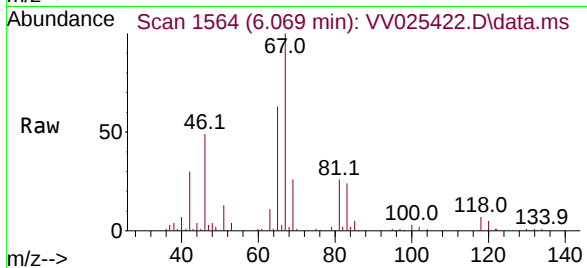
YB2G9

Tgt Ion: 63 Resp: 5994

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#38

Bromodichloromethane

Concen: 0.082 ug/L

RT: 6.526 min Scan# 1706

Delta R.T. 0.016 min

Lab File: VV025422.D

Acq: 08 Apr 2022 20:17

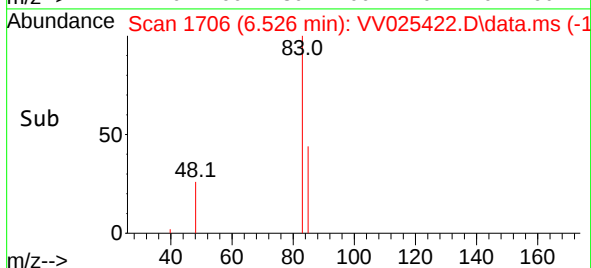
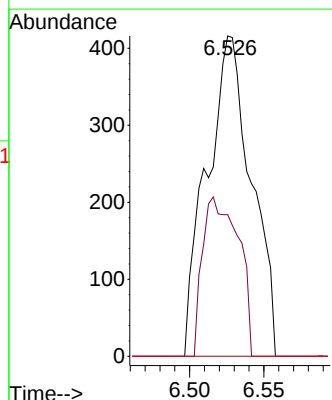
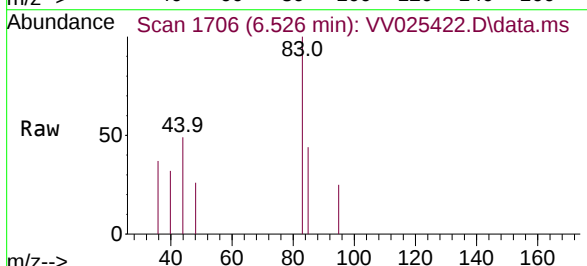
Tgt Ion: 83 Resp: 869

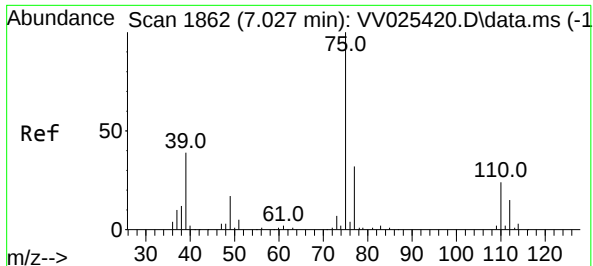
Ion Ratio Lower Upper

83 100

85 44.2 44.4 82.4#

127 0.0 7.2 10.8#





#39

cis-1,3-Dichloropropene

Concen: 0.117 ug/L

RT: 6.989 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV025422.D

Acq: 08 Apr 2022 20:17

Instrument :

MSVOA_V

ClientSampleId :

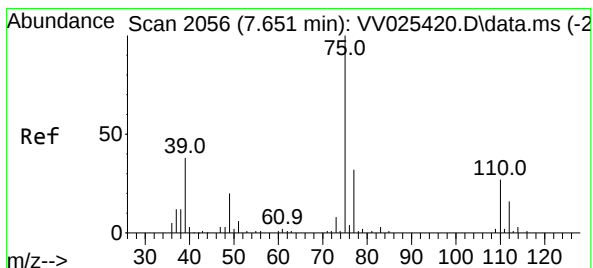
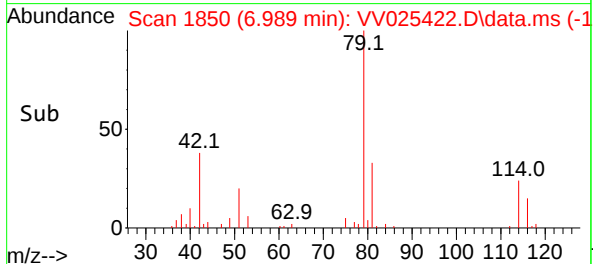
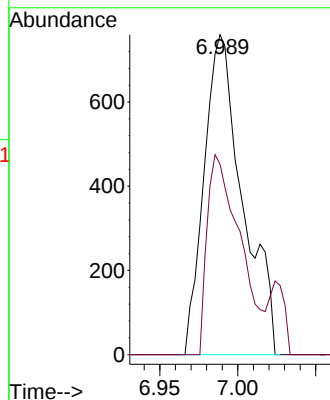
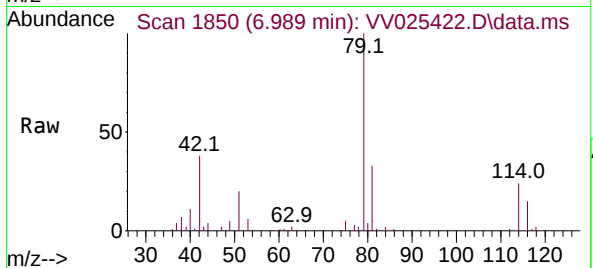
YB2G9

Tgt Ion: 75 Resp: 1307

Ion Ratio Lower Upper

75 100

77 59.5 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.625 min Scan# 2048

Delta R.T. -0.026 min

Lab File: VV025422.D

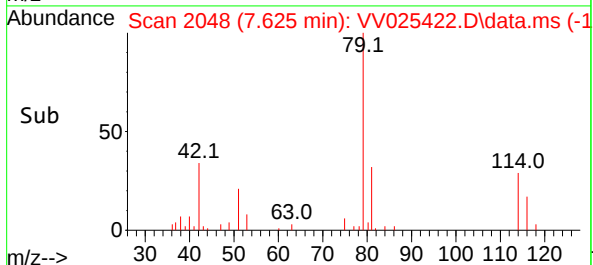
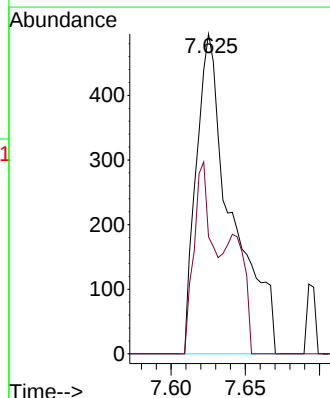
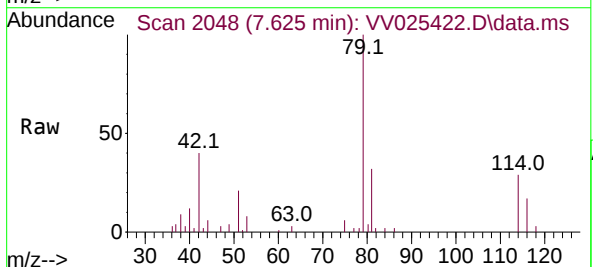
Acq: 08 Apr 2022 20:17

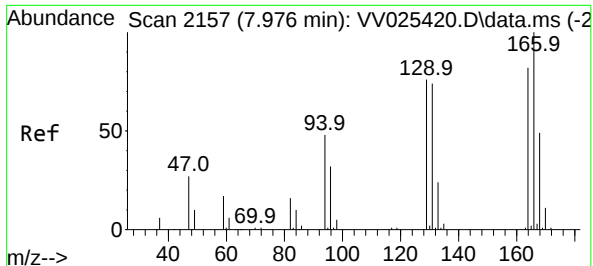
Tgt Ion: 75 Resp: 819

Ion Ratio Lower Upper

75 100

77 36.6 21.7 40.3





#47

Tetrachloroethene

Concen: 7.402 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.000 min

Lab File: VV025422.D

Acq: 08 Apr 2022 20:17

Instrument :

MSVOA_V

ClientSampleId :

YB2G9

Tgt Ion:164 Resp: 56758

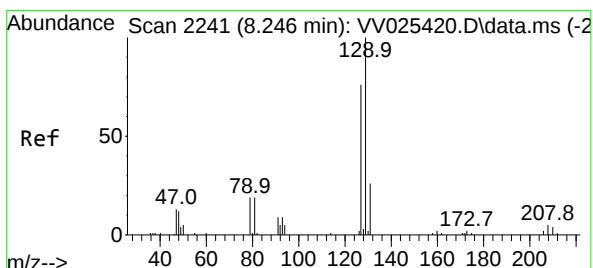
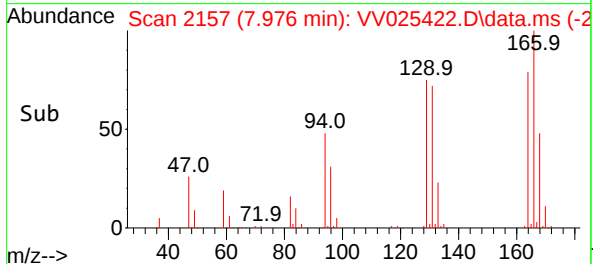
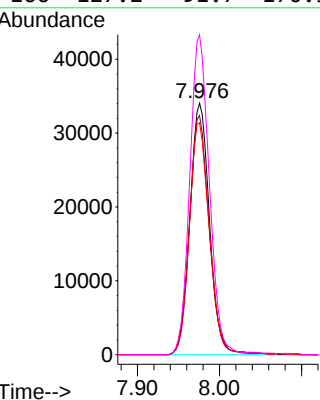
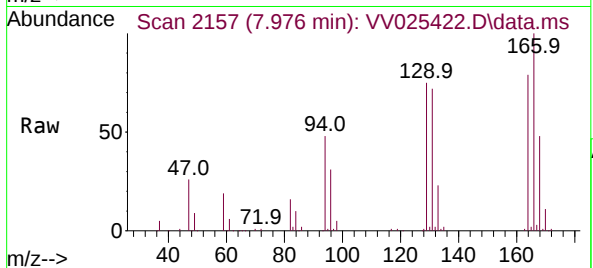
Ion Ratio Lower Upper

164 100

129 95.1 66.8 124.2

131 92.2 66.4 123.4

166 127.2 91.7 170.3



#49

Dibromochloromethane

Concen: 8.275 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.270 min

Lab File: VV025422.D

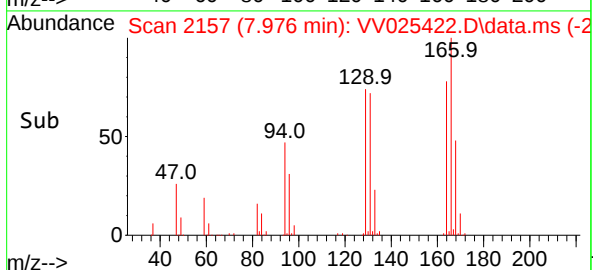
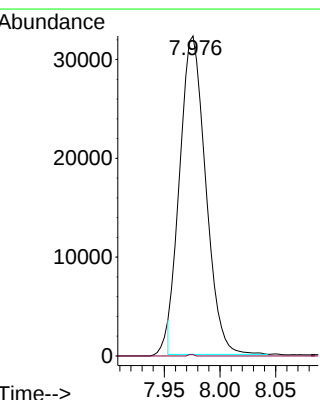
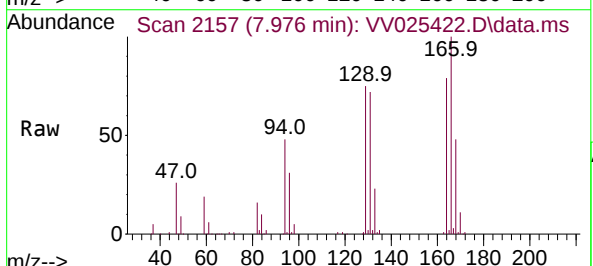
Acq: 08 Apr 2022 20:17

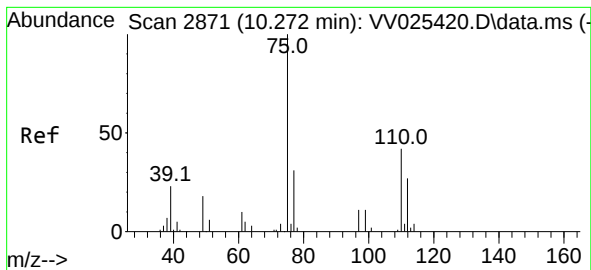
Tgt Ion:129 Resp: 51917

Ion Ratio Lower Upper

129 100

127 0.4 53.8 100.0#





#61

1,2,3-Trichloropropane

Concen: 1.838 ug/L

RT: 11.249 min Scan# 31

Delta R.T. 0.977 min

Lab File: VV025422.D

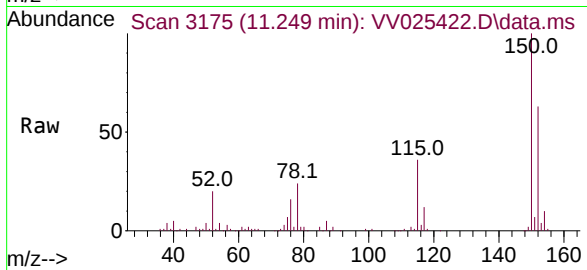
Acq: 08 Apr 2022 20:17

Instrument :

MSVOA_V

ClientSampleId :

YB2G9



Tgt Ion: 75 Resp: 6893

Ion Ratio Lower Upper

75 100

77 33.6 25.6 38.4

110 0.7 34.7 52.1#

