

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040822\
 Data File : VW025427.D
 Acq On : 08 Apr 2022 22:15
 Operator : SY/MD
 Sample : N2219-08
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 YB2H6

Quant Time: Apr 09 06:27:39 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	114193	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	110866	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	47605	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	65125	6.134	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	122.600%
7) Chloroethane-d5	1.571	69	55297	4.896	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.000%
11) 1,1-Dichloroethene-d2	2.111	63	99867	4.696	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.000%
20) 2-Butanone-d5	3.902	46	72929	56.473	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.940%
24) Chloroform-d	4.352	84	86129	5.369	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.400%
26) 1,2-Dichloroethane-d4	5.037	65	43004	6.221	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	124.400%
32) Benzene-d6	5.053	84	177518	5.534	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.600%
36) 1,2-Dichloropropane-d6	6.072	67	51871	5.798	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	116.000%
41) Toluene-d8	7.317	98	151908	5.103	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.000%
43) trans-1,3-Dichloroprop...	7.625	79	14468	4.812	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.200%
46) 2-Hexanone-d5	8.088	63	61175	57.968	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.940%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	33774	5.976	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	119.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	52120	6.530	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	130.600%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.243	50	516	0.046	ug/L	86
9) Trichlorofluoromethane	1.757	101	27204	1.529	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	1097	0.110	ug/L #	24
12) 1,1-Dichloroethene	2.121	96	8775	0.886	ug/L #	1
17) Methyl tert-butyl Ether	2.767	73	2207	0.144	ug/L #	90
19) 1,1-Dichloroethane	3.204	63	834	0.059	ug/L #	84
22) cis-1,2-Dichloroethene	3.931	96	1773	0.203	ug/L	77
25) Chloroform	4.378	83	18073	1.218	ug/L	99
31) Carbon tetrachloride	4.828	117	873	0.079	ug/L #	72
34) Trichloroethene	5.912	95	272018	31.282	ug/L	100
35) Methylcyclohexane	6.072	83	12390	0.893	ug/L #	23
37) 1,2-Dichloropropane	6.069	63	5890	0.777	ug/L #	85
38) Bromodichloromethane	6.523	83	1509	0.160	ug/L #	86
39) cis-1,3-Dichloropropene	6.989	75	1208	0.122	ug/L #	51
44) trans-1,3-Dichloropropene	7.625	75	651	0.084	ug/L #	42
47) Tetrachloroethene	7.976	164	36778	5.402	ug/L	96
49) Dibromochloromethane	7.976	129	34837	6.255	ug/L #	11
61) 1,2,3-Trichloropropane	11.246	75	5475	1.746	ug/L #	62
68) 1,2-Dibromo-3-chloropr...	12.246	75	168	0.310	ug/L #	2

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

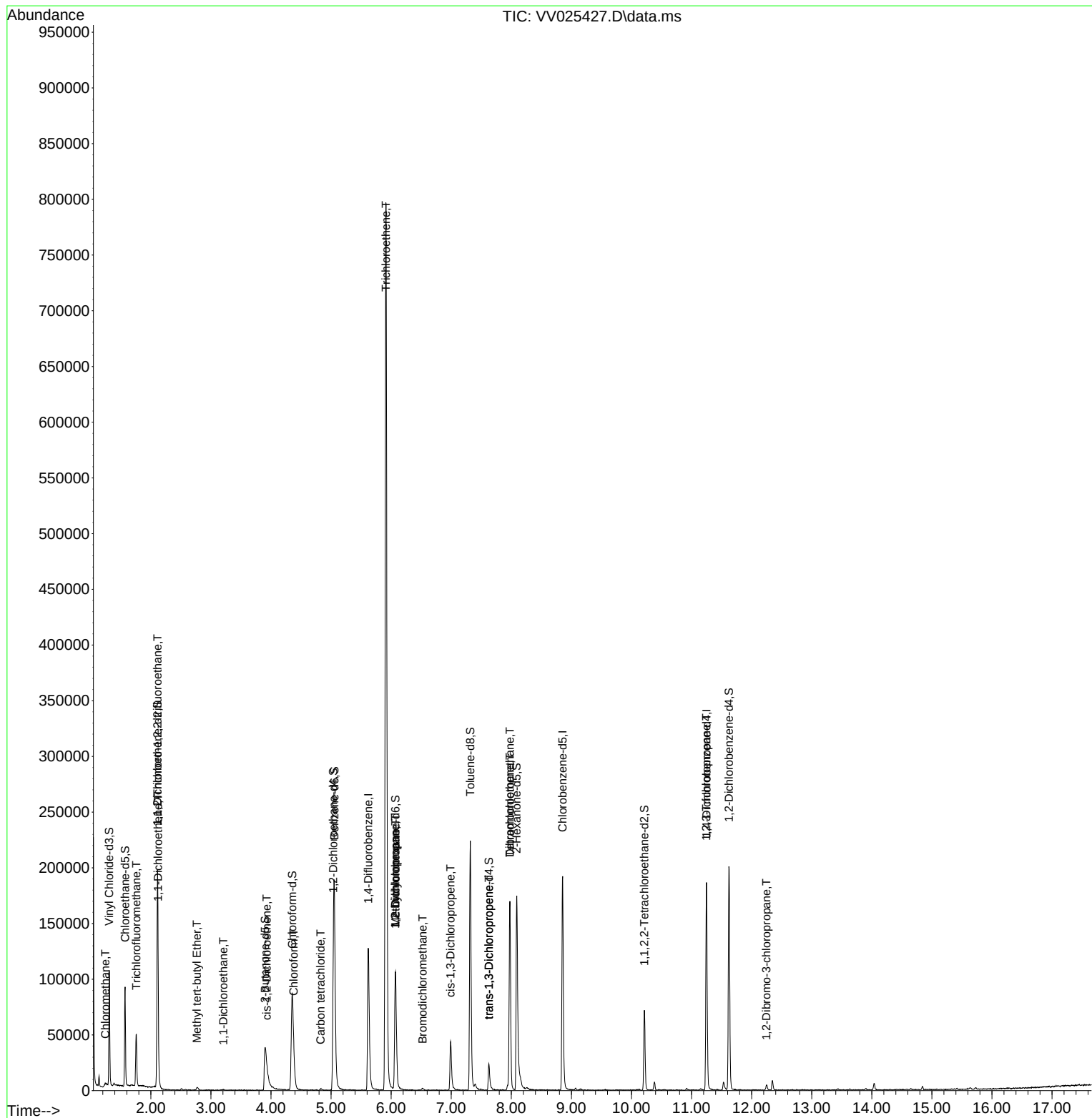
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

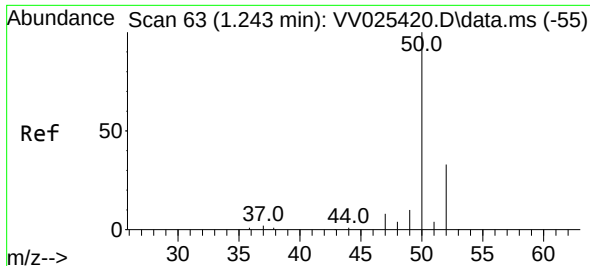
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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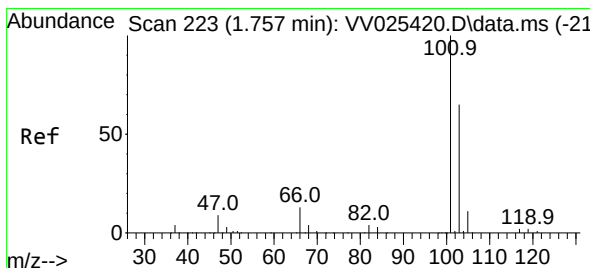
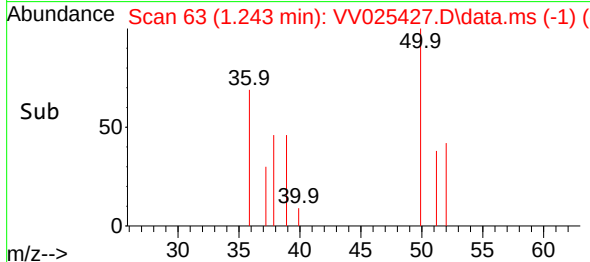
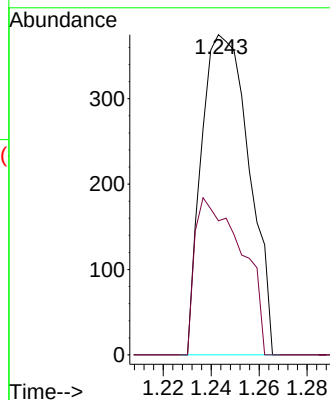
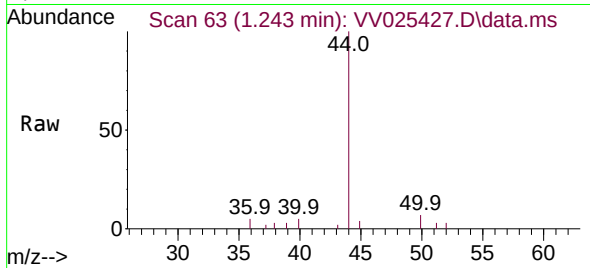




#3
Chloromethane
Concen: 0.046 ug/L
RT: 1.243 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV025427.D
Acq: 08 Apr 2022 22:15

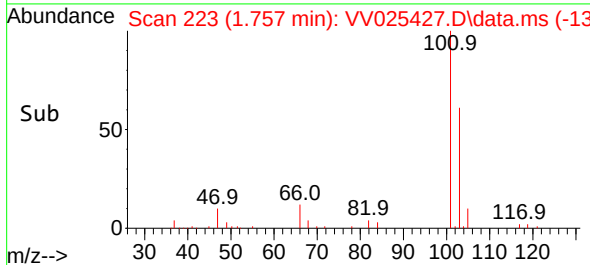
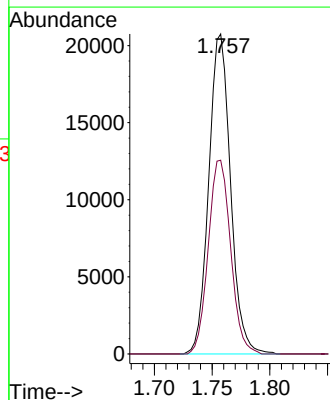
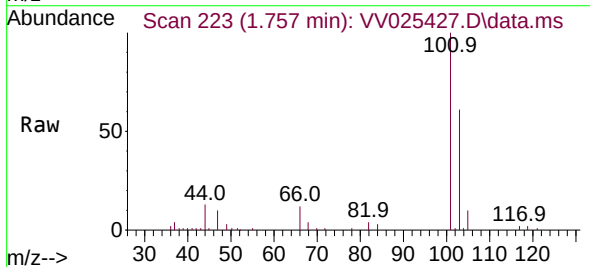
Instrument :
MSVOA_V
ClientSampleId :
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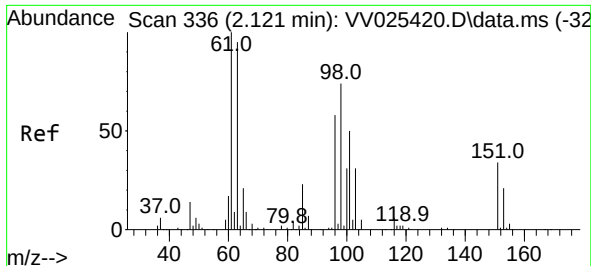
Tgt Ion: 50 Resp: 516
Ion Ratio Lower Upper
50 100
52 41.9 23.7 43.9



#9
Trichlorofluoromethane
Concen: 1.529 ug/L
RT: 1.757 min Scan# 223
Delta R.T. 0.000 min
Lab File: VV025427.D
Acq: 08 Apr 2022 22:15

Tgt Ion: 101 Resp: 27204
Ion Ratio Lower Upper
101 100
103 62.3 51.9 77.9

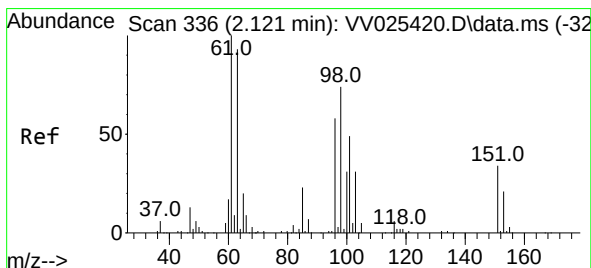
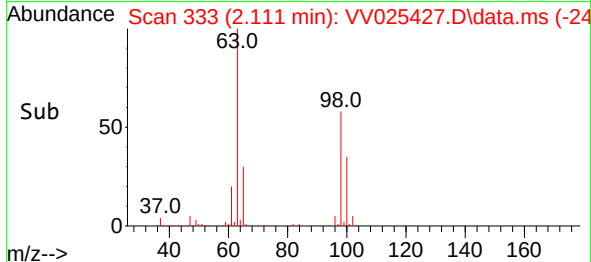
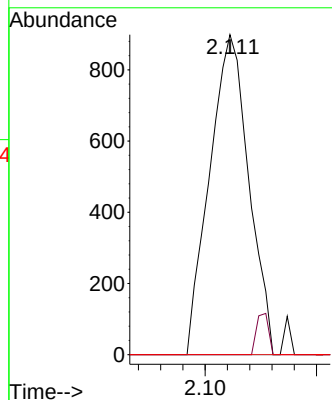
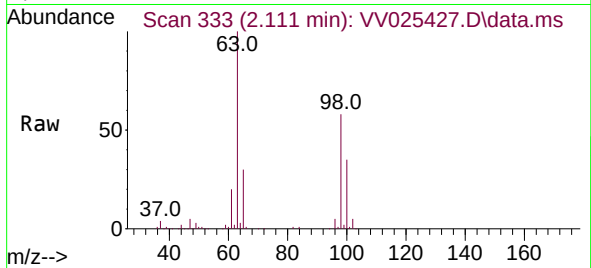




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.110 ug/L
 RT: 2.111 min Scan# 311
 Delta R.T. -0.010 min
 Lab File: VV025427.D
 Acq: 08 Apr 2022 22:15

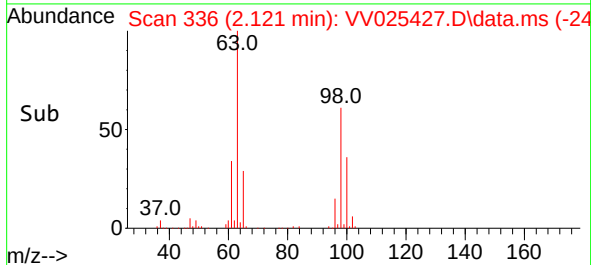
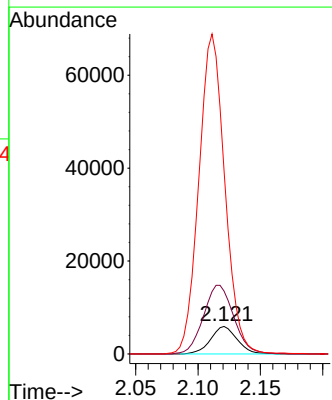
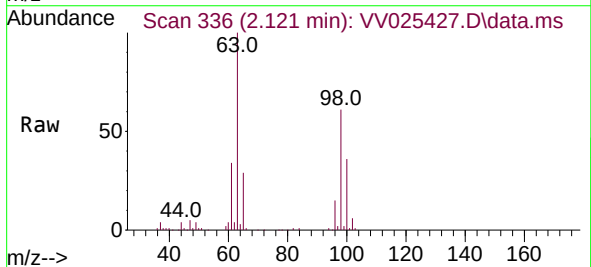
Instrument :
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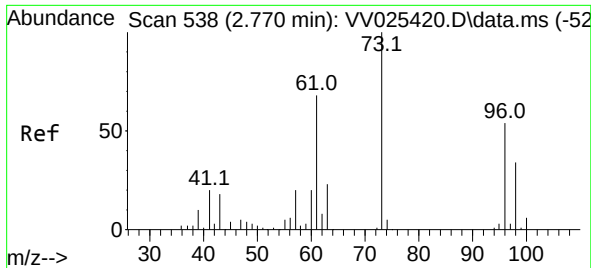
Tgt Ion:101 Resp: 1097
 Ion Ratio Lower Upper
 101 100
 85 3.9 35.9 53.9#
 151 0.0 56.0 84.0#



#12
 1,1-Dichloroethene
 Concen: 0.886 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. 0.000 min
 Lab File: VV025427.D
 Acq: 08 Apr 2022 22:15

Tgt Ion: 96 Resp: 8775
 Ion Ratio Lower Upper
 96 100
 61 228.0 125.2 232.4
 63 665.1 114.4 212.4#

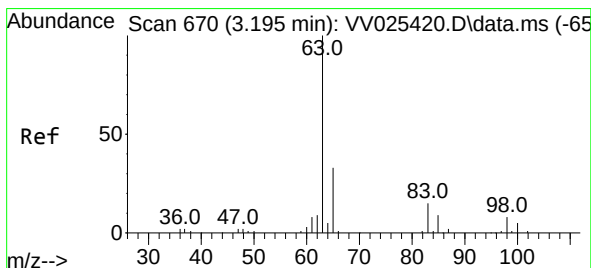
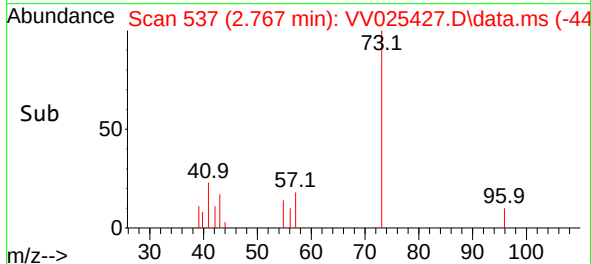
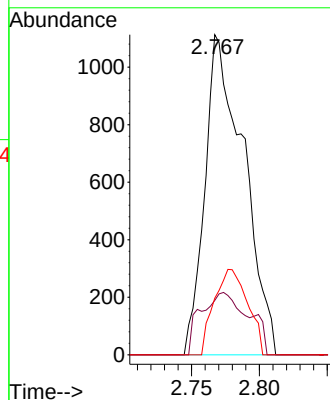
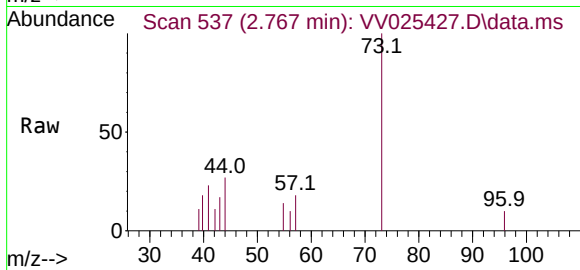




#17
Methyl tert-butyl Ether
Concen: 0.144 ug/L
RT: 2.767 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV025427.D
Acq: 08 Apr 2022 22:15

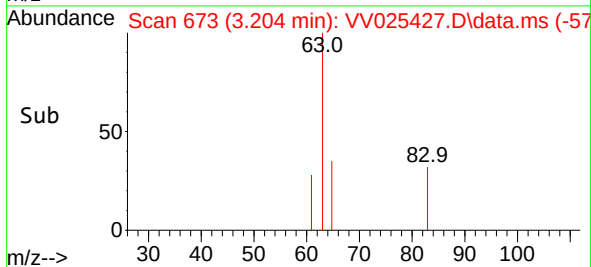
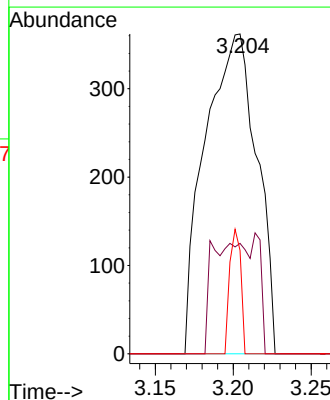
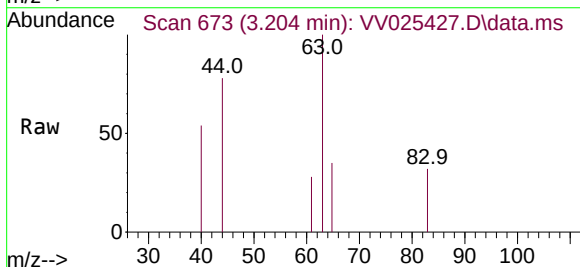
Instrument :
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ClientSampleId :
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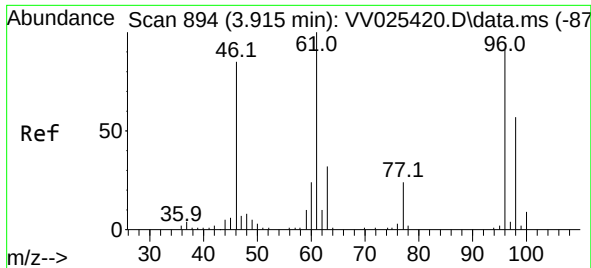
Tgt Ion: 73 Resp: 2207
Ion Ratio Lower Upper
73 100
43 24.0 14.2 21.4#
57 23.1 16.1 24.1



#19
1,1-Dichloroethane
Concen: 0.059 ug/L
RT: 3.204 min Scan# 673
Delta R.T. 0.010 min
Lab File: VV025427.D
Acq: 08 Apr 2022 22:15

Tgt Ion: 63 Resp: 834
Ion Ratio Lower Upper
63 100
65 34.5 23.2 43.0
83 32.3 9.0 16.8#

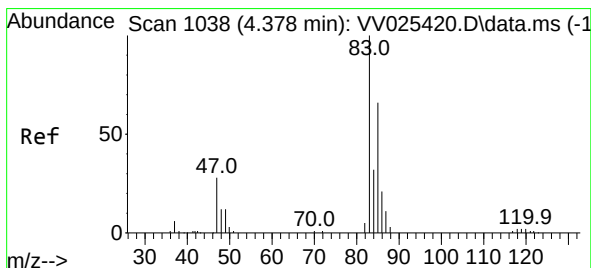
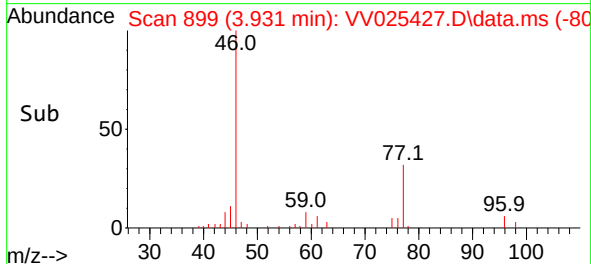
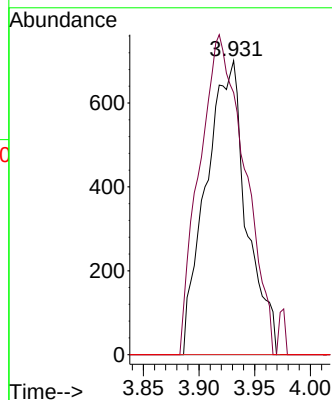
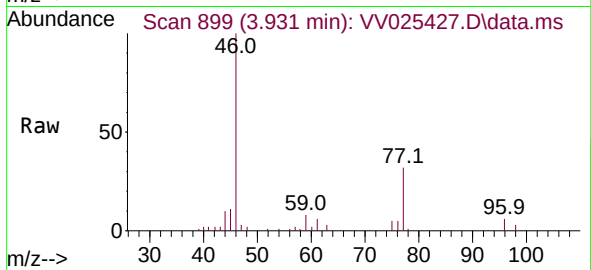




#22
 cis-1,2-Dichloroethene
 Concen: 0.203 ug/L
 RT: 3.931 min Scan# 899
 Delta R.T. 0.016 min
 Lab File: VV025427.D
 Acq: 08 Apr 2022 22:15

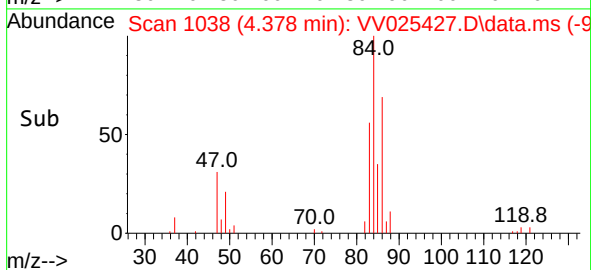
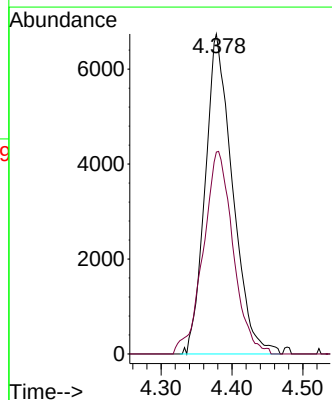
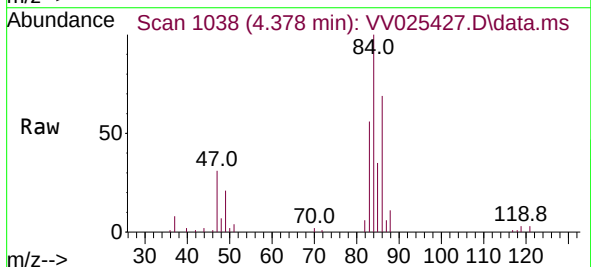
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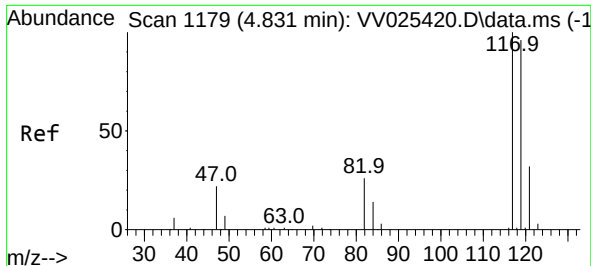
Tgt Ion: 96 Resp: 1773
 Ion Ratio Lower Upper
 96 100
 61 89.2 80.0 148.6
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 1.218 ug/L
 RT: 4.378 min Scan# 1038
 Delta R.T. 0.000 min
 Lab File: VV025427.D
 Acq: 08 Apr 2022 22:15

Tgt Ion: 83 Resp: 18073
 Ion Ratio Lower Upper
 83 100
 85 63.1 43.5 80.7

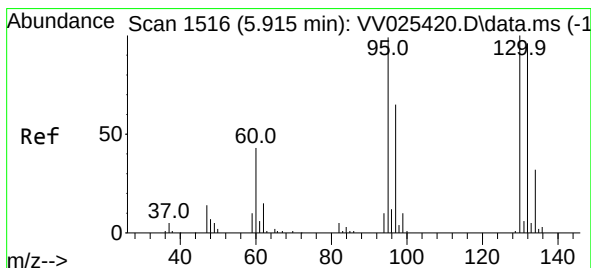
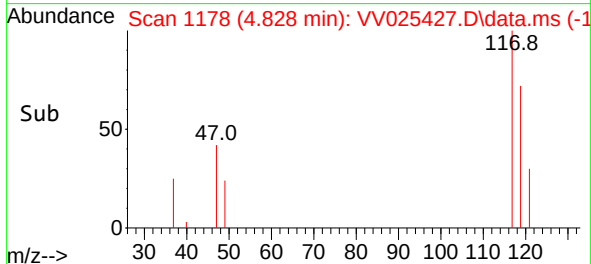
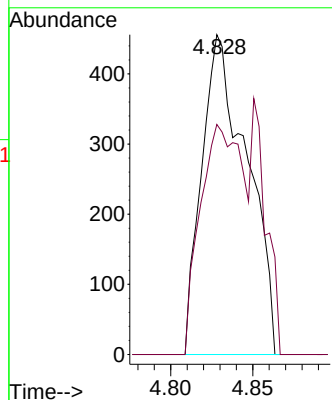
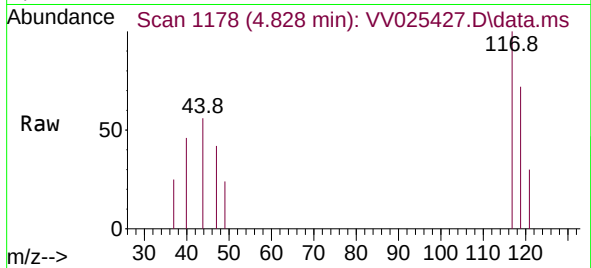




#31
Carbon tetrachloride
Concen: 0.079 ug/L
RT: 4.828 min Scan# 1179
Delta R.T. -0.003 min
Lab File: VV025427.D
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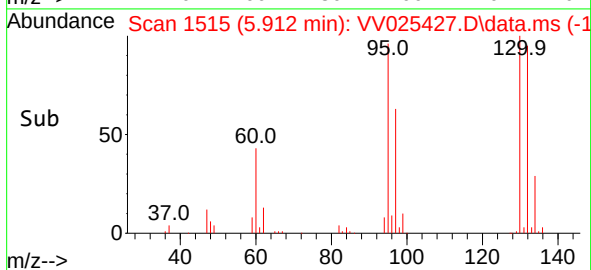
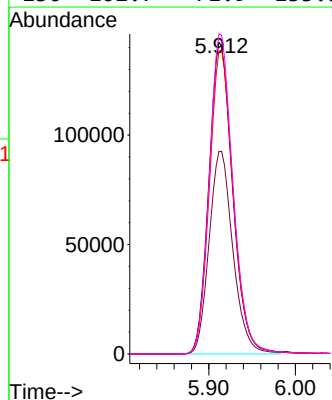
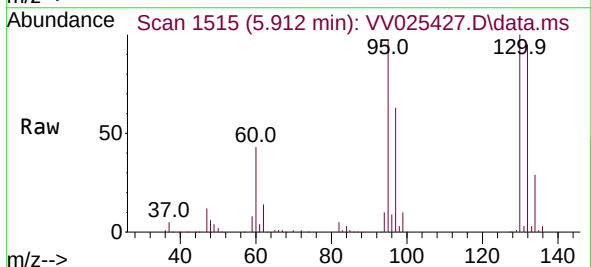
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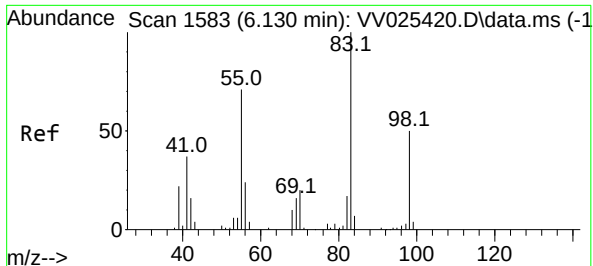
Tgt Ion:117 Resp: 873
Ion Ratio Lower Upper
117 100
119 68.0 76.6 114.8#



#34
Trichloroethene
Concen: 31.282 ug/L
RT: 5.912 min Scan# 1515
Delta R.T. -0.003 min
Lab File: VV025427.D
Acq: 08 Apr 2022 22:15

Tgt Ion: 95 Resp: 272018
Ion Ratio Lower Upper
95 100
97 65.1 45.8 85.2
132 97.3 68.0 126.4
130 102.7 71.9 133.5





#35

Methylcyclohexane

Concen: 0.893 ug/L

RT: 6.072 min Scan# 1

Delta R.T. -0.058 min

Lab File: VV025427.D

Acq: 08 Apr 2022 22:15

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MSVOA_V

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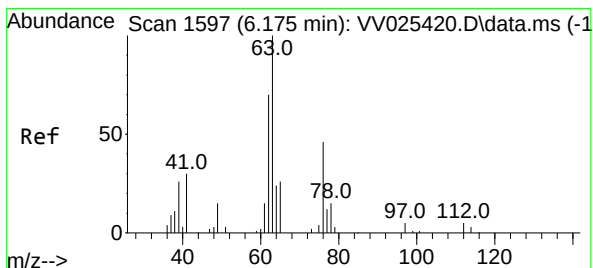
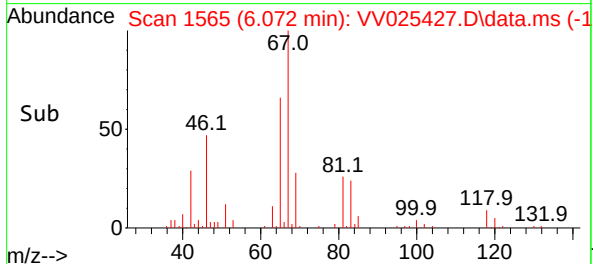
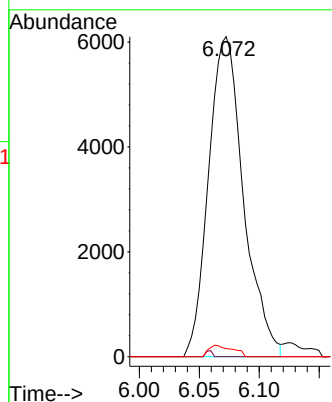
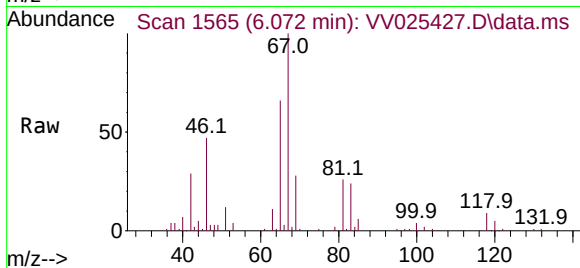
Tgt Ion: 83 Resp: 12390

Ion Ratio Lower Upper

83 100

55 0.3 53.7 80.5#

98 2.4 39.6 59.4#



#37

1,2-Dichloropropane

Concen: 0.777 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.106 min

Lab File: VV025427.D

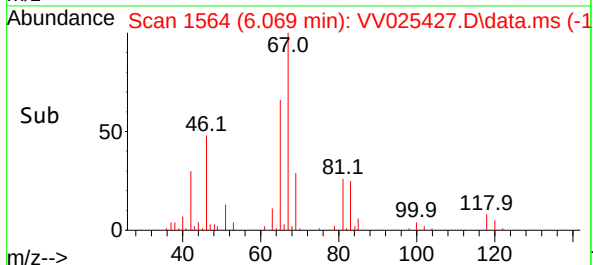
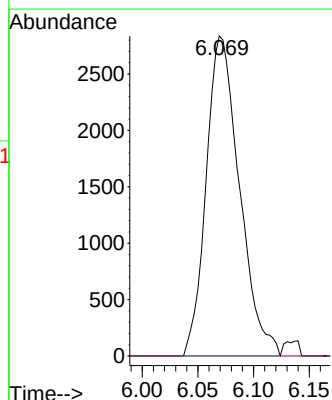
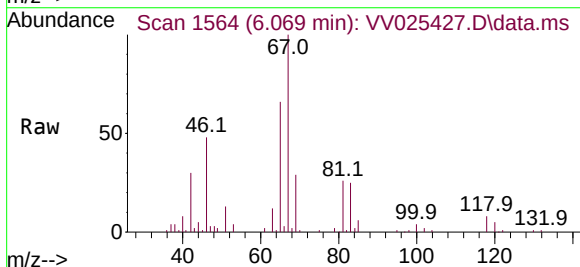
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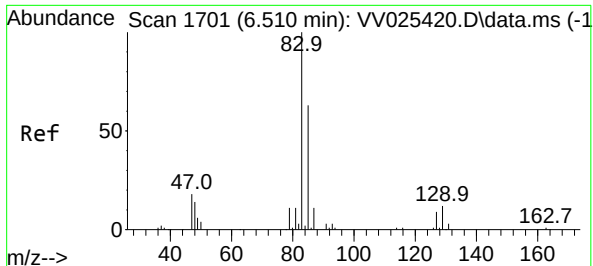
Tgt Ion: 63 Resp: 5890

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#

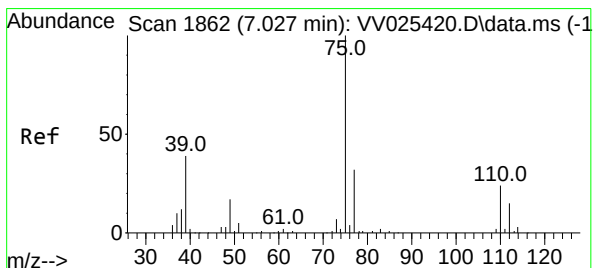
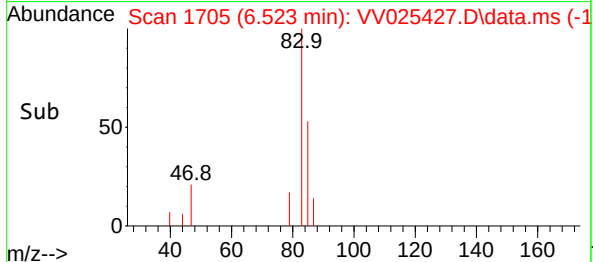
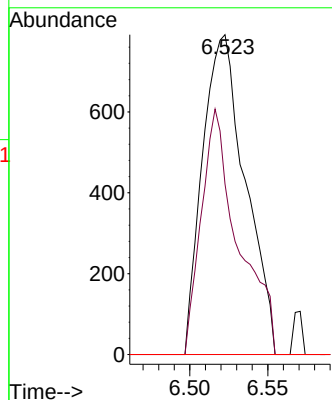
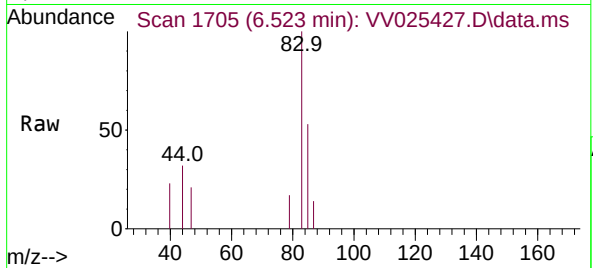




#38
Bromodichloromethane
Concen: 0.160 ug/L
RT: 6.523 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV025427.D
Acq: 08 Apr 2022 22:15

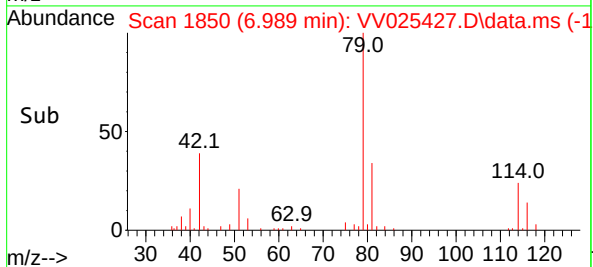
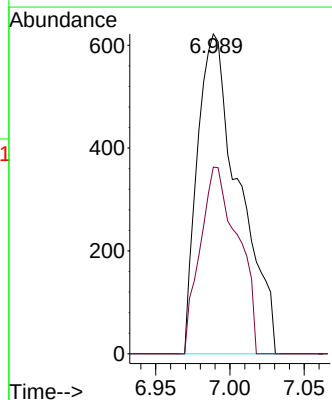
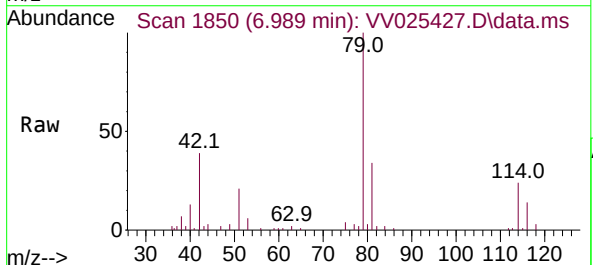
Instrument :
MSVOA_V
ClientSampleId :
YB2H6

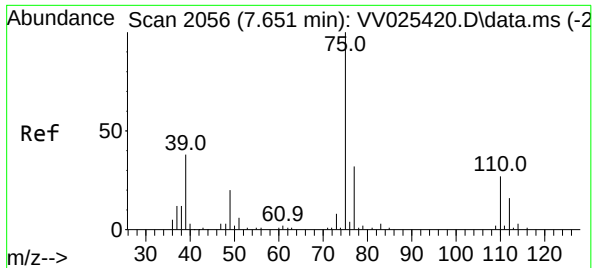
Tgt Ion: 83 Resp: 1509
Ion Ratio Lower Upper
83 100
85 53.4 44.4 82.4
127 0.0 7.2 10.8#



#39
cis-1,3-Dichloropropene
Concen: 0.122 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.039 min
Lab File: VV025427.D
Acq: 08 Apr 2022 22:15

Tgt Ion: 75 Resp: 1208
Ion Ratio Lower Upper
75 100
77 58.4 21.8 40.6#

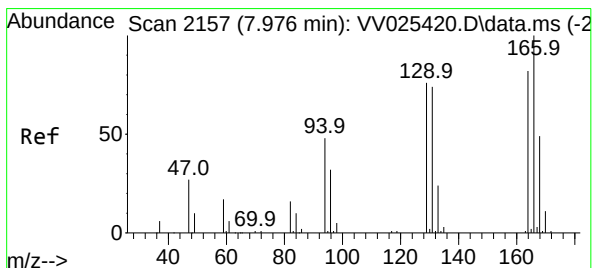
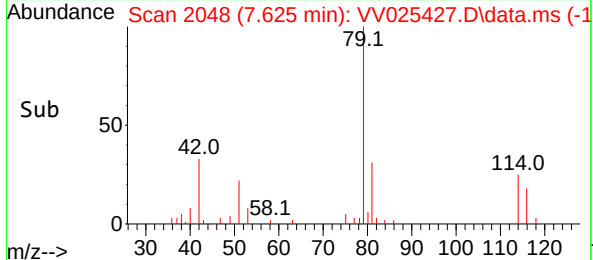
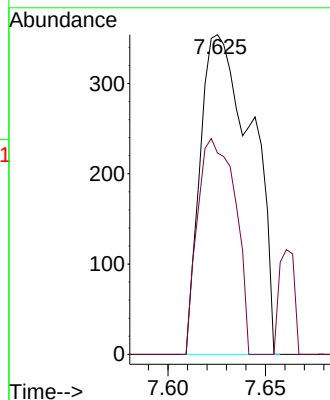
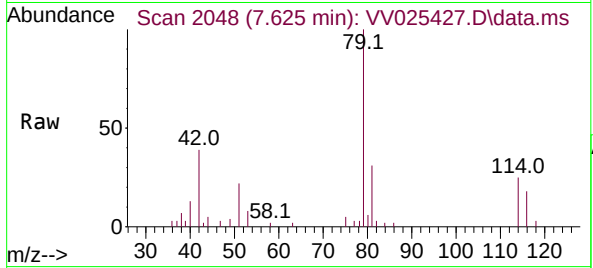




#44
trans-1,3-Dichloropropene
Concen: 0.084 ug/L
RT: 7.625 min Scan# 2056
Delta R.T. -0.026 min
Lab File: VV025427.D
Acq: 08 Apr 2022 22:15

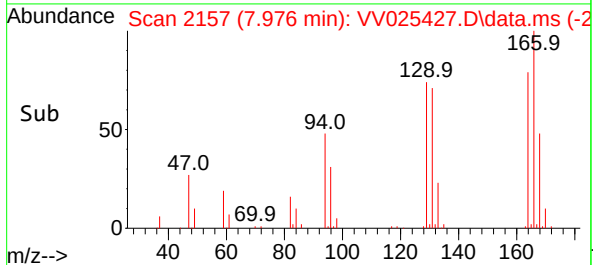
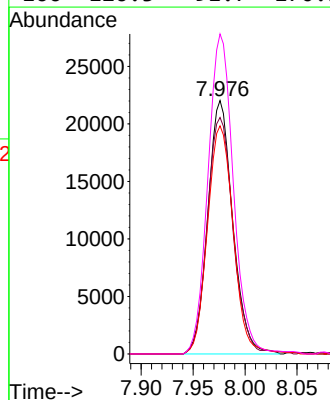
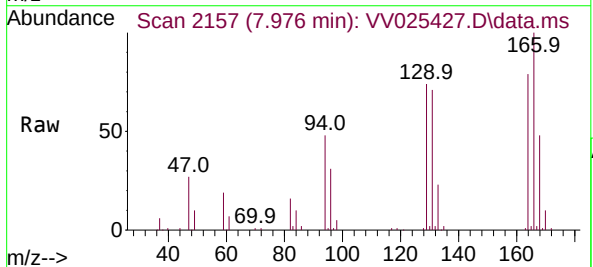
Instrument :
MSVOA_V
ClientSampleId :
YB2H6

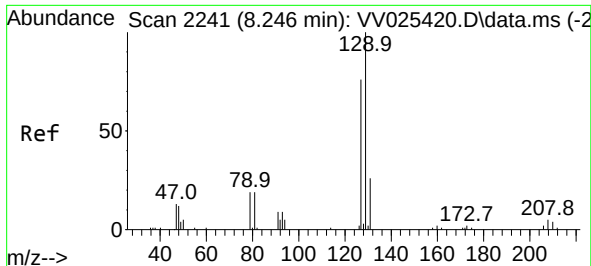
Tgt Ion: 75 Resp: 651
Ion Ratio Lower Upper
75 100
77 63.0 21.7 40.3#



#47
Tetrachloroethene
Concen: 5.402 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.000 min
Lab File: VV025427.D
Acq: 08 Apr 2022 22:15

Tgt Ion: 164 Resp: 36778
Ion Ratio Lower Upper
164 100
129 93.3 66.8 124.2
131 90.1 66.4 123.4
166 126.3 91.7 170.3





#49

Dibromochloromethane

Concen: 6.255 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.270 min

Lab File: VV025427.D

Acq: 08 Apr 2022 22:15

Instrument :

MSVOA_V

ClientSampleId :

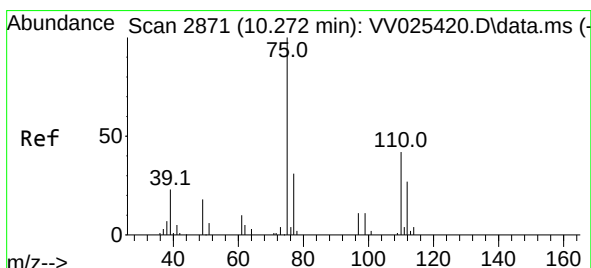
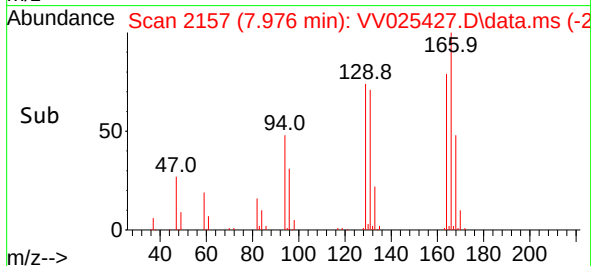
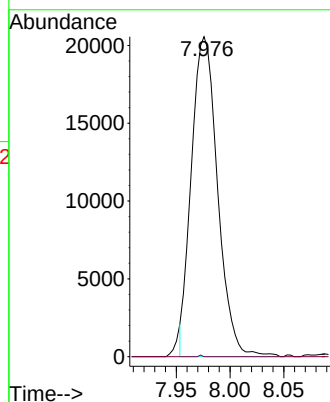
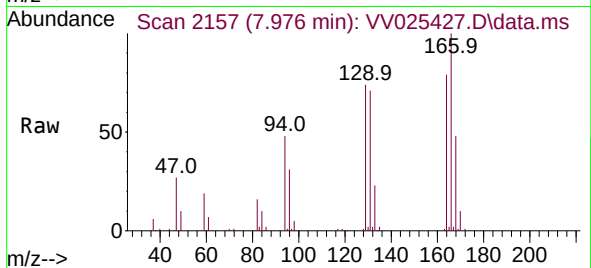
YB2H6

Tgt Ion:129 Resp: 34837

Ion Ratio Lower Upper

129 100

127 0.0 53.8 100.0#



#61

1,2,3-Trichloropropane

Concen: 1.746 ug/L

RT: 11.246 min Scan# 3174

Delta R.T. 0.974 min

Lab File: VV025427.D

Acq: 08 Apr 2022 22:15

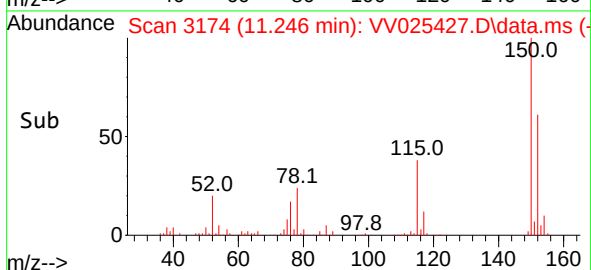
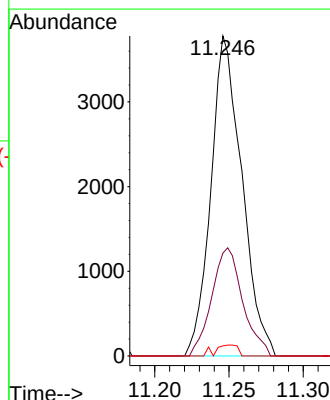
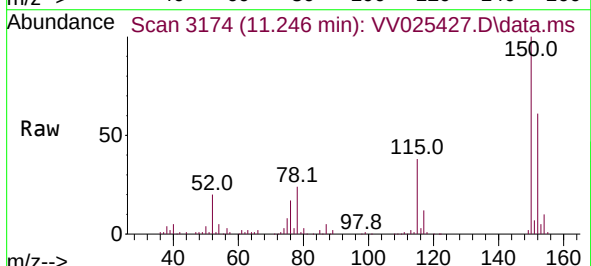
Tgt Ion: 75 Resp: 5475

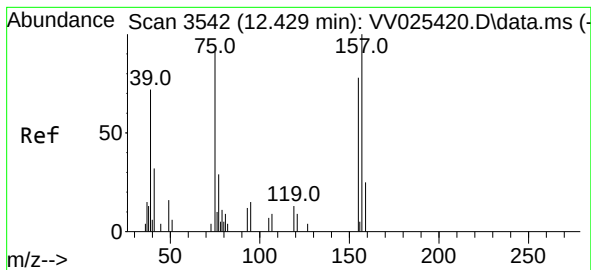
Ion Ratio Lower Upper

75 100

77 33.9 25.6 38.4

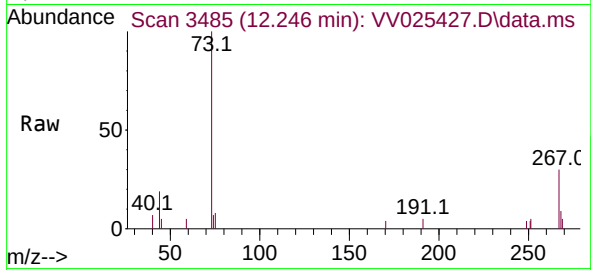
110 2.5 34.7 52.1#





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.310 ug/L
 RT: 12.246 min Scan# 34
 Delta R.T. -0.183 min
 Lab File: VV025427.D
 Acq: 08 Apr 2022 22:15

Instrument :
 MSVOA_V
 ClientSampleId :
 YB2H6



Tgt Ion: 75 Resp: 168
 Ion Ratio Lower Upper
 75 100
 155 0.0 65.8 98.8#
 157 0.0 86.6 130.0#

