

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040822\
 Data File : VW025426.D
 Acq On : 08 Apr 2022 21:51
 Operator : SY/MD
 Sample : N2219-06
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 09 06:27:23 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	122722	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	118147	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	51820	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	66004	5.785	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	115.600%
7) Chloroethane-d5	1.571	69	56507	4.655	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.111	63	118460	5.183	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.600%
20) 2-Butanone-d5	3.899	46	78263	56.391	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.780%
24) Chloroform-d	4.352	84	86035	4.990	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.800%
26) 1,2-Dichloroethane-d4	5.037	65	41739	5.619	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.400%
32) Benzene-d6	5.053	84	179317	5.246	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.000%
36) 1,2-Dichloropropane-d6	6.072	67	53133	5.573	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.400%
41) Toluene-d8	7.317	98	157586	4.968	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
43) trans-1,3-Dichloroprop...	7.625	79	14544	4.539	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.800%
46) 2-Hexanone-d5	8.088	63	61658	54.825	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.640%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	32483	5.393	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.800%
66) 1,2-Dichlorobenzene-d4	11.622	152	53605	6.170	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	123.400%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.243	50	857	0.071	ug/L #	82
9) Trichlorofluoromethane	1.757	101	6572	0.344	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	2458	0.229	ug/L #	75
12) 1,1-Dichloroethene	2.121	96	34912	3.280	ug/L	79
17) Methyl tert-butyl Ether	2.780	73	1284	0.078	ug/L #	81
18) trans-1,2-Dichloroethene	2.770	96	646	0.072	ug/L	78
19) 1,1-Dichloroethane	3.198	63	2896	0.192	ug/L #	95
22) cis-1,2-Dichloroethene	3.918	96	7074	0.753	ug/L	99
25) Chloroform	4.378	83	19484	1.222	ug/L	93
27) 1,2-Dichloroethane	5.149	62	1388	0.165	ug/L #	71
31) Carbon tetrachloride	4.834	117	4627	0.393	ug/L	100
34) Trichloroethene	5.911	95	856223	92.398	ug/L	99
35) Methylcyclohexane	6.069	83	12586	0.851	ug/L #	21
37) 1,2-Dichloropropane	6.072	63	5482	0.679	ug/L #	85
38) Bromodichloromethane	6.526	83	1201	0.120	ug/L #	86
39) cis-1,3-Dichloropropene	6.989	75	1108	0.105	ug/L	84
45) 1,1,2-Trichloroethane	7.857	97	354	0.065	ug/L #	47
47) Tetrachloroethene	7.976	164	184684	25.457	ug/L	98
49) Dibromochloromethane	7.972	129	171766	28.938	ug/L #	11

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

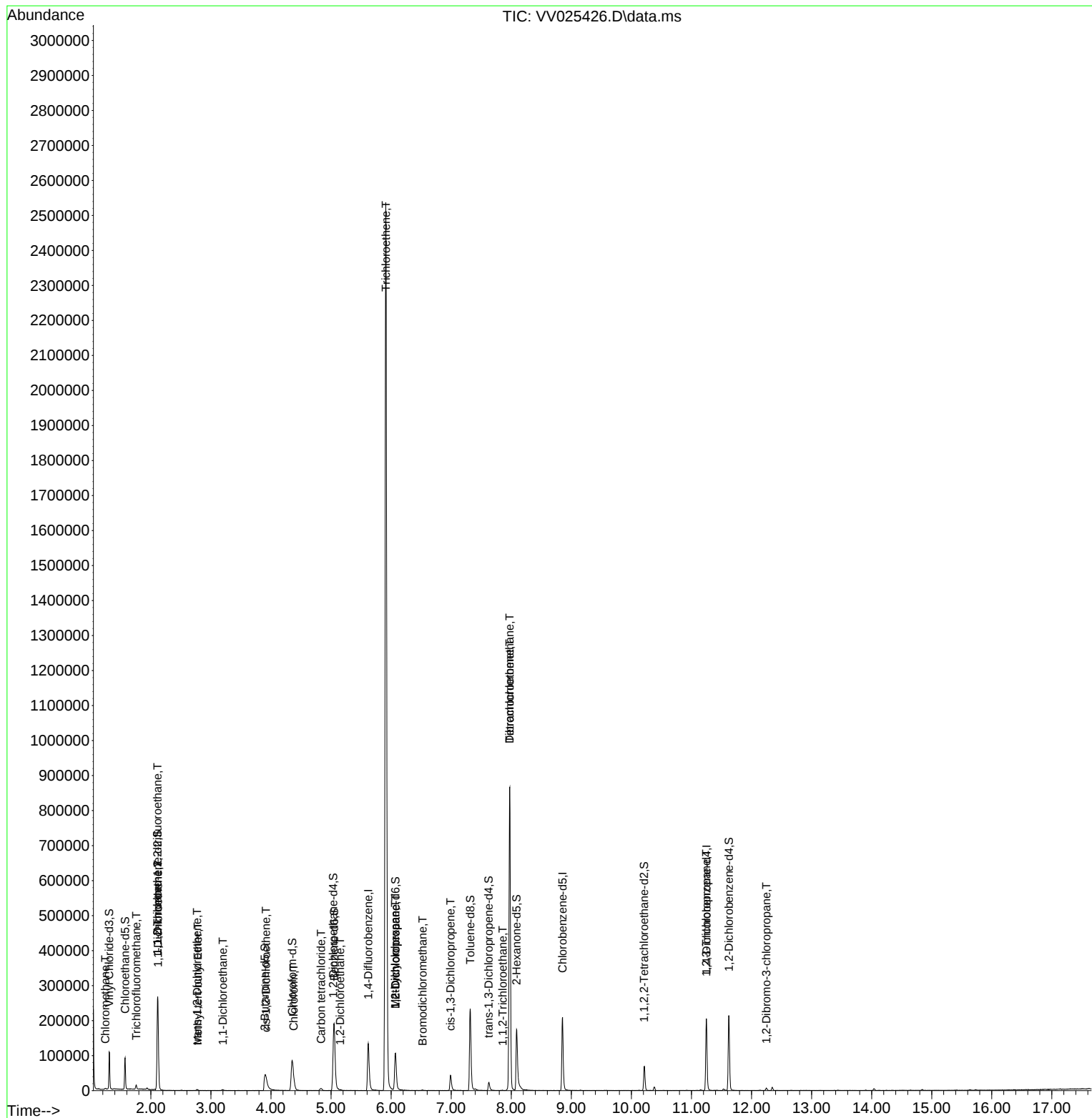
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.246	75	6581	1.928	ug/L #	61
68) 1,2-Dibromo-3-chloropr...	12.246	75	235	0.398	ug/L #	2

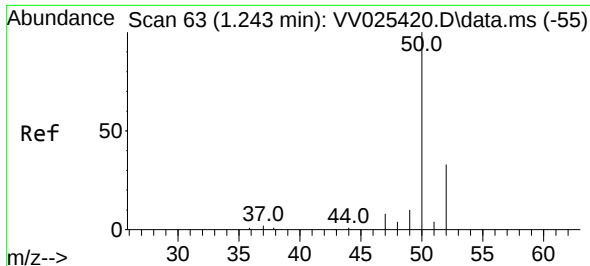
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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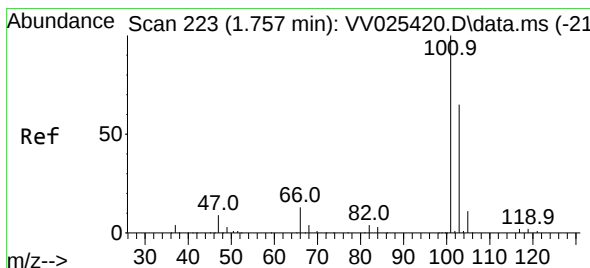
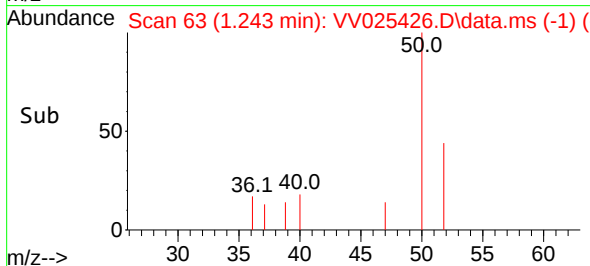
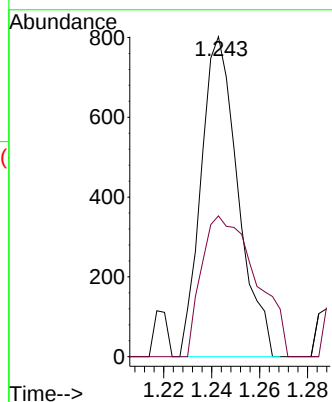
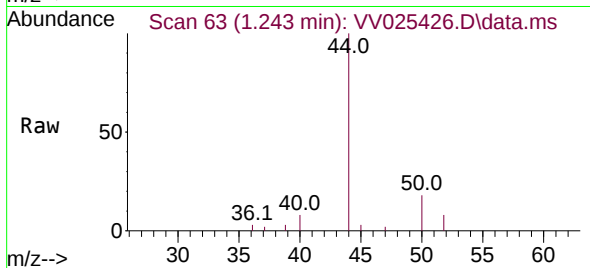




#3
Chloromethane
Concen: 0.071 ug/L
RT: 1.243 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV025426.D
Acq: 08 Apr 2022 21:51

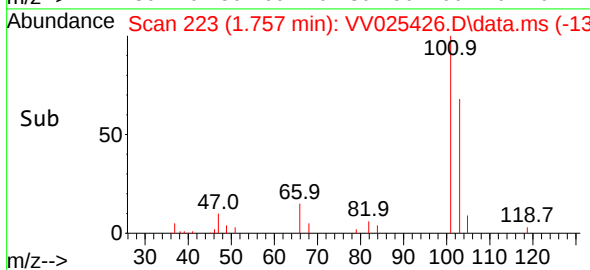
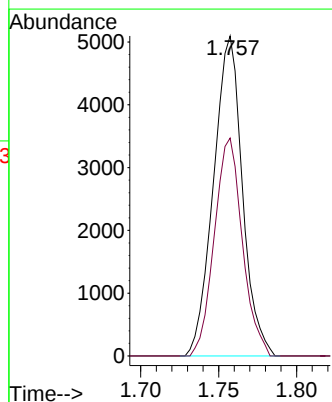
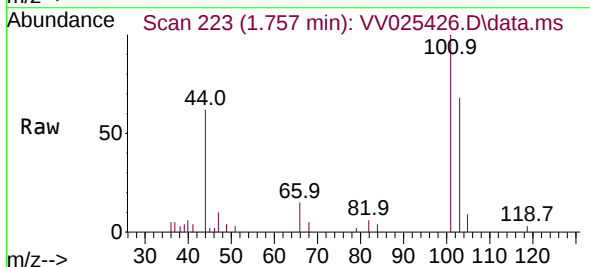
Instrument :
MSVOA_V
ClientSampleId :

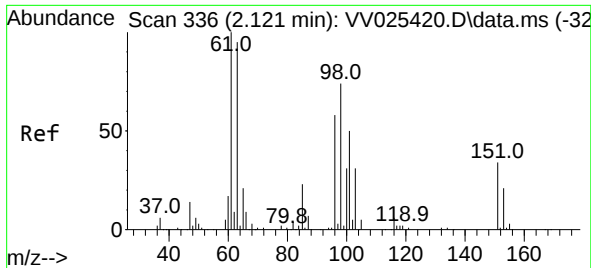
Tgt Ion: 50 Resp: 857
Ion Ratio Lower Upper
50 100
52 44.0 23.7 43.9#



#9
Trichlorofluoromethane
Concen: 0.344 ug/L
RT: 1.757 min Scan# 223
Delta R.T. -0.000 min
Lab File: VV025426.D
Acq: 08 Apr 2022 21:51

Tgt Ion: 101 Resp: 6572
Ion Ratio Lower Upper
101 100
103 65.9 51.9 77.9

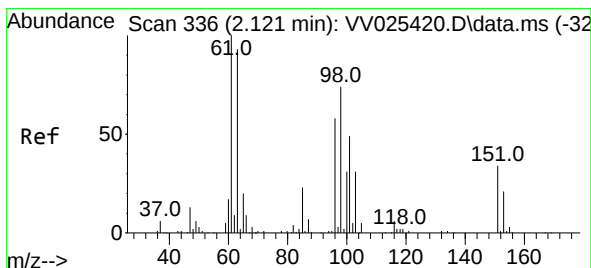
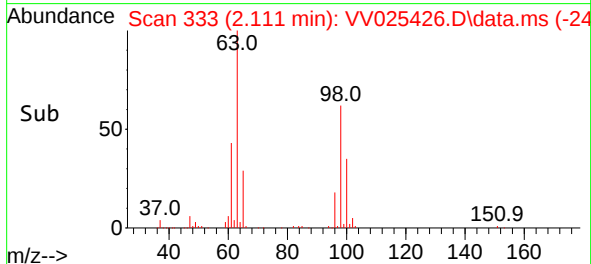
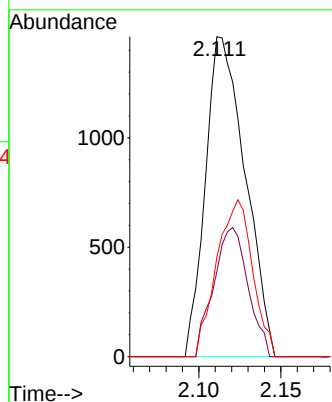
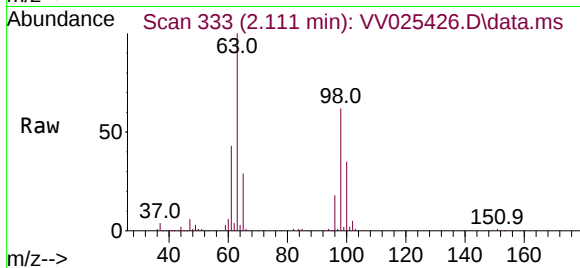




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.229 ug/L
 RT: 2.111 min Scan# 311
 Delta R.T. -0.010 min
 Lab File: VV025426.D
 Acq: 08 Apr 2022 21:51

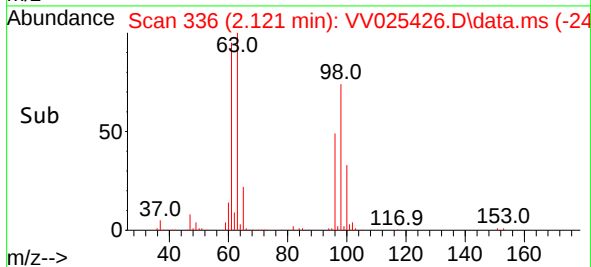
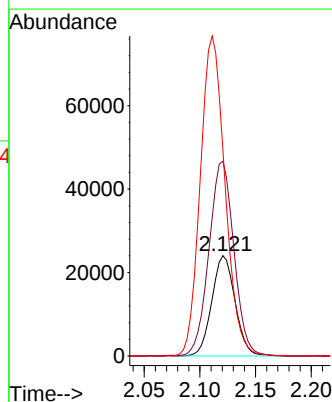
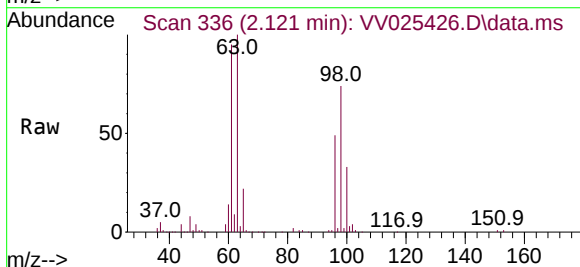
Instrument :
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 ClientSampleId :

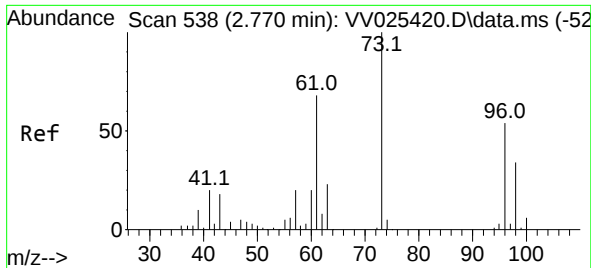
Tgt Ion:101 Resp: 2458
 Ion Ratio Lower Upper
 101 100
 85 34.9 35.9 53.9#
 151 44.3 56.0 84.0#



#12
 1,1-Dichloroethene
 Concen: 3.280 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. -0.000 min
 Lab File: VV025426.D
 Acq: 08 Apr 2022 21:51

Tgt Ion: 96 Resp: 34912
 Ion Ratio Lower Upper
 96 100
 61 194.1 125.2 232.4
 63 205.1 114.4 212.4

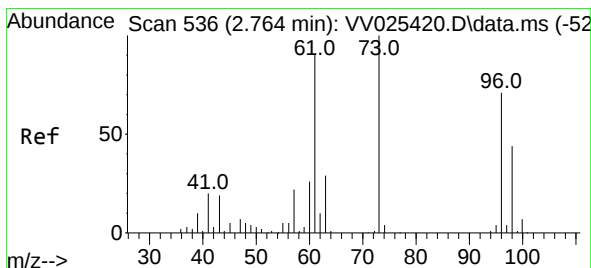
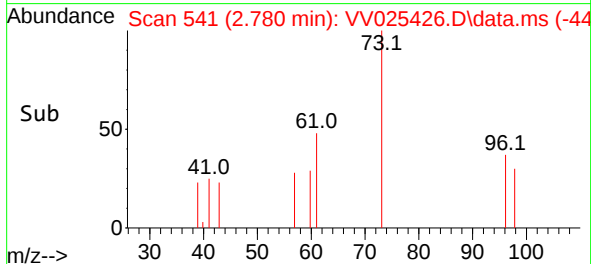
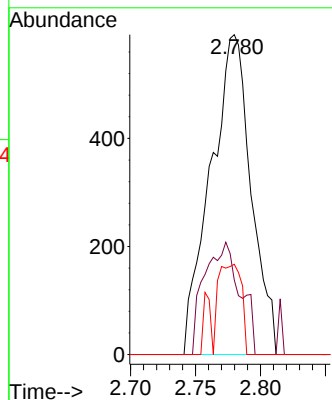
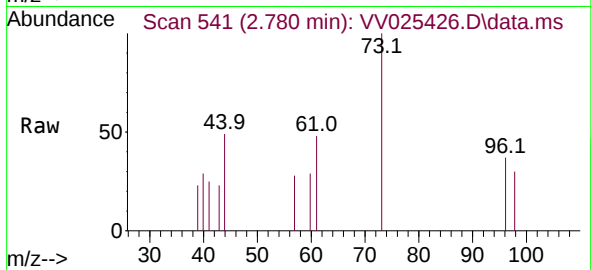




#17
Methyl tert-butyl Ether
Concen: 0.078 ug/L
RT: 2.780 min Scan# 541
Delta R.T. 0.009 min
Lab File: VV025426.D
Acq: 08 Apr 2022 21:51

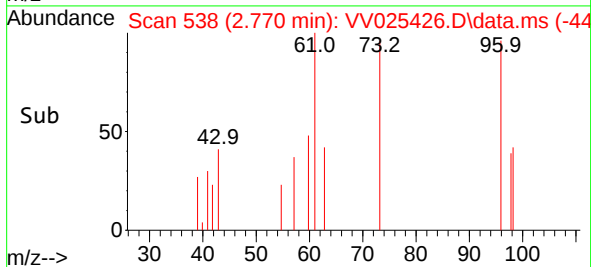
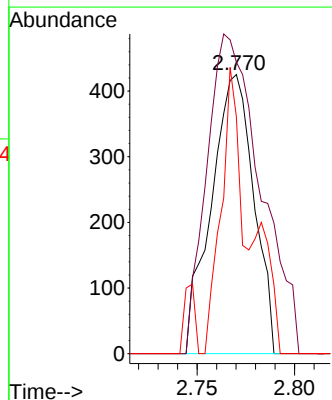
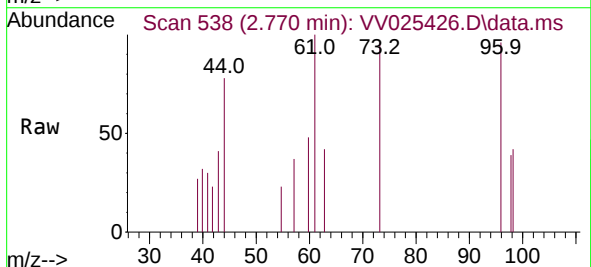
Instrument :
MSVOA_V
ClientSampleId :

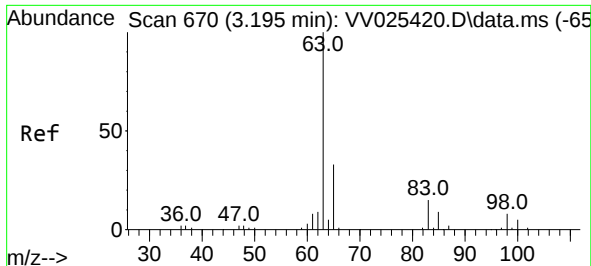
Tgt Ion: 73 Resp: 1284
Ion Ratio Lower Upper
73 100
43 31.0 14.2 21.4#
57 16.0 16.1 24.1#



#18
trans-1,2-Dichloroethene
Concen: 0.072 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.006 min
Lab File: VV025426.D
Acq: 08 Apr 2022 21:51

Tgt Ion: 96 Resp: 646
Ion Ratio Lower Upper
96 100
61 104.5 92.1 171.1
98 84.9 47.5 88.1





#19

1,1-Dichloroethane

Concen: 0.192 ug/L

RT: 3.198 min Scan# 61

Delta R.T. 0.003 min

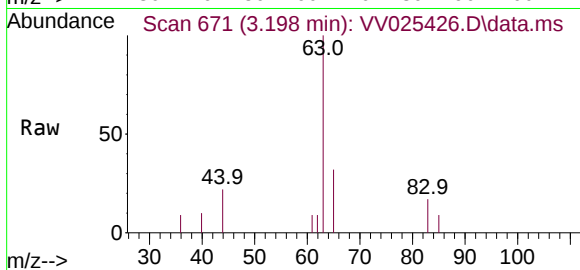
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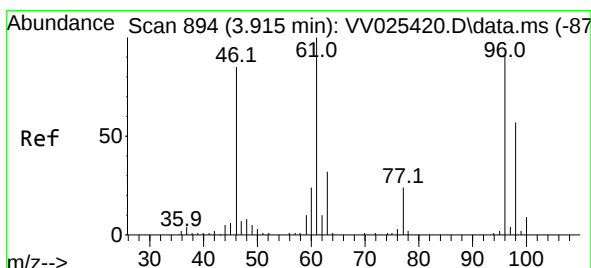
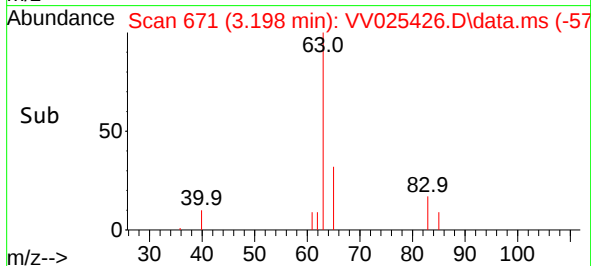
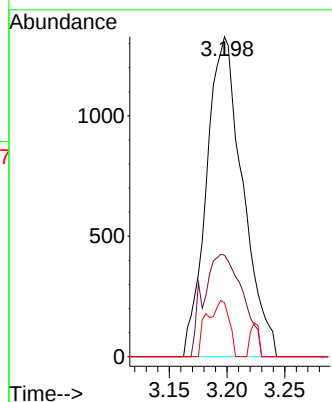
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	63	Resp:	2896
Ion	Ratio	Lower	Upper
63	100		
65	31.7	23.2	43.0
83	16.9	9.0	16.8



#22

cis-1,2-Dichloroethene

Concen: 0.753 ug/L

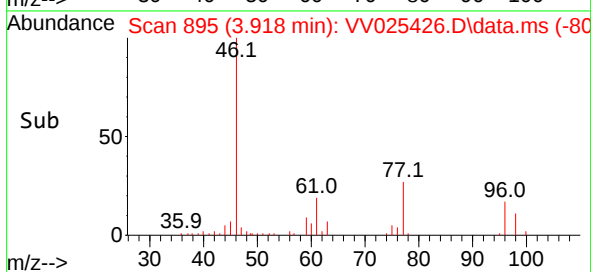
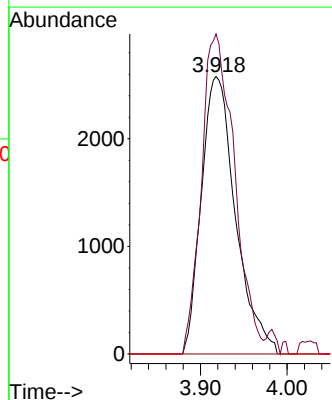
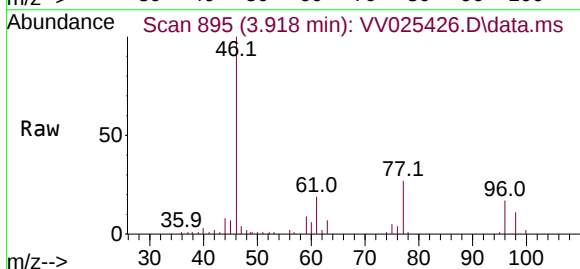
RT: 3.918 min Scan# 895

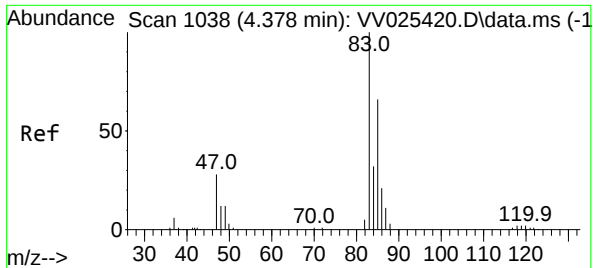
Delta R.T. 0.003 min

Lab File: VV025426.D

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Tgt Ion:	96	Resp:	7074
Ion	Ratio	Lower	Upper
96	100		
61	115.3	80.0	148.6
68	0.0	0.0	0.0

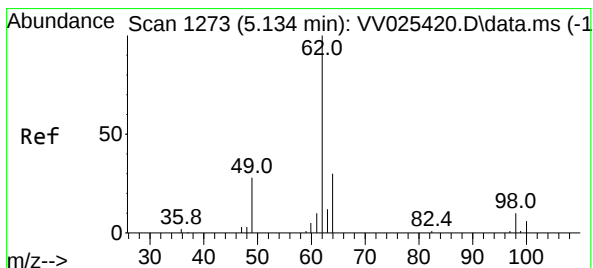
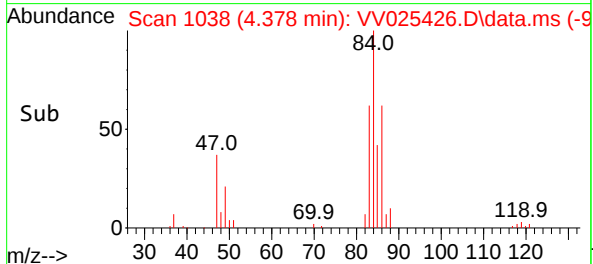
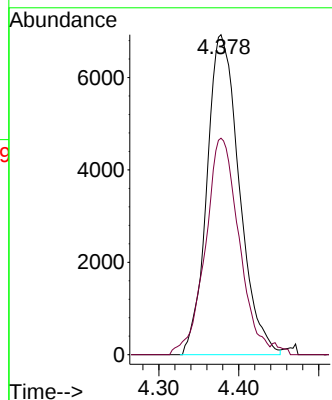
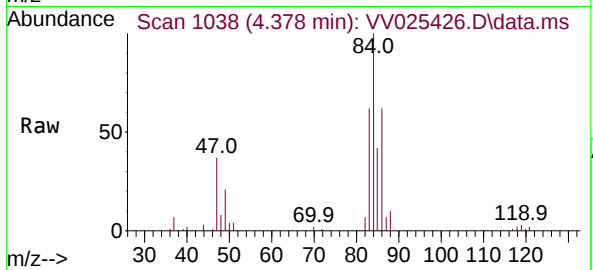




#25
Chloroform
Concen: 1.222 ug/L
RT: 4.378 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VV025426.D
Acq: 08 Apr 2022 21:51

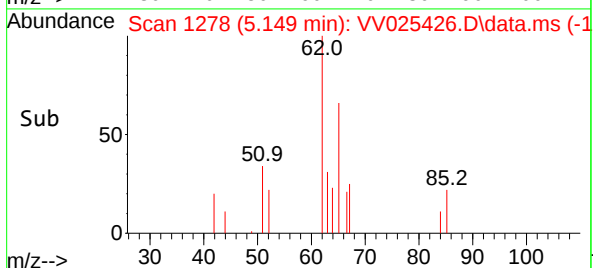
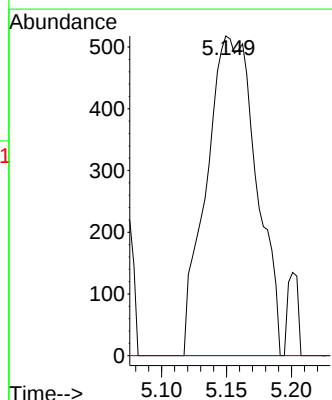
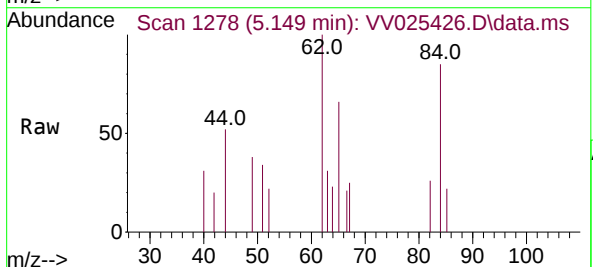
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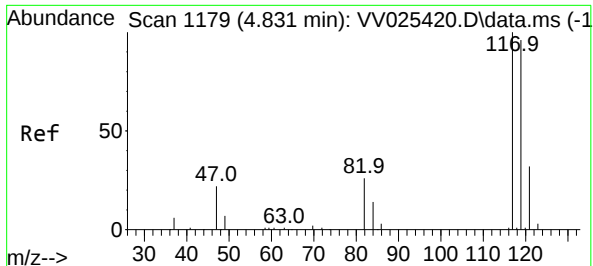
Tgt Ion: 83 Resp: 19484
Ion Ratio Lower Upper
83 100
85 67.7 43.5 80.7



#27
1,2-Dichloroethane
Concen: 0.165 ug/L
RT: 5.149 min Scan# 1278
Delta R.T. 0.016 min
Lab File: VV025426.D
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Tgt Ion: 62 Resp: 1388
Ion Ratio Lower Upper
62 100
98 0.0 8.8 13.2#

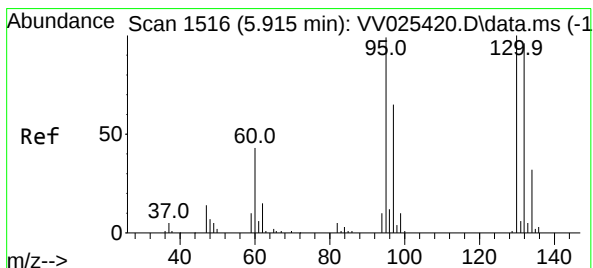
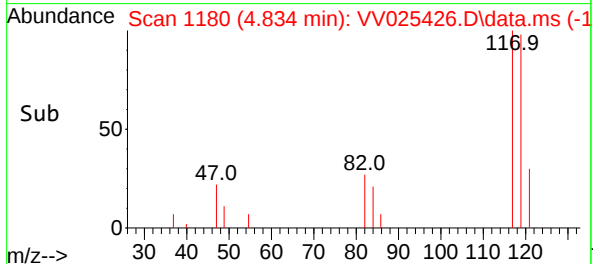
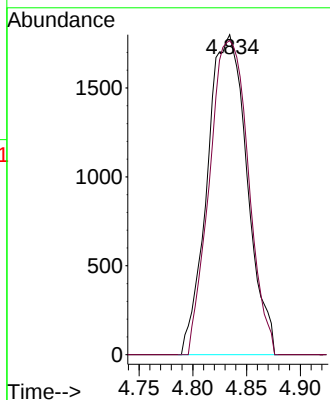
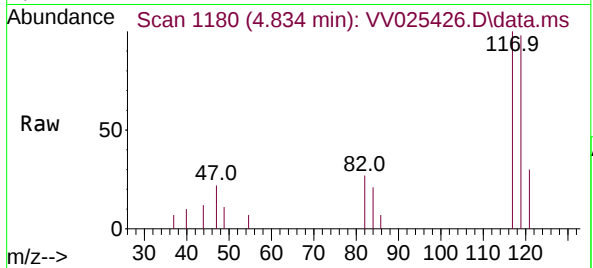




#31
Carbon tetrachloride
Concen: 0.393 ug/L
RT: 4.834 min Scan# 1179
Delta R.T. 0.003 min
Lab File: VV025426.D
Acq: 08 Apr 2022 21:51

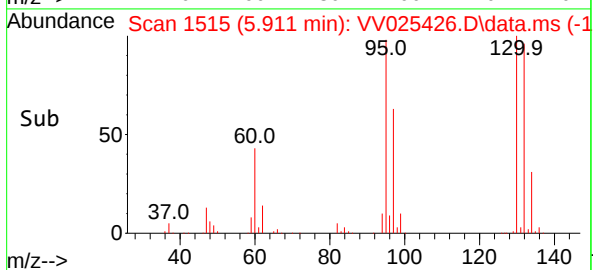
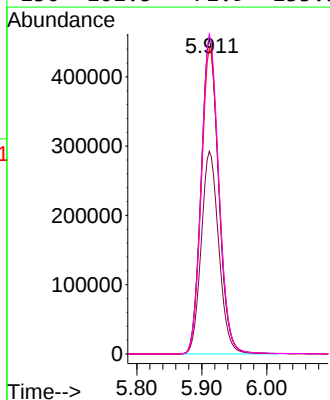
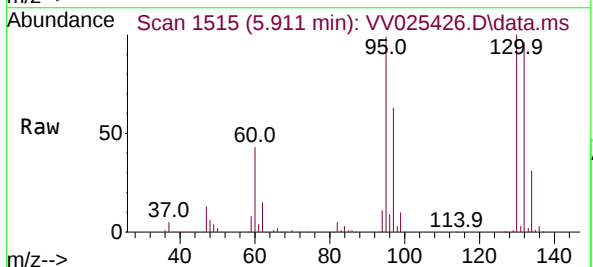
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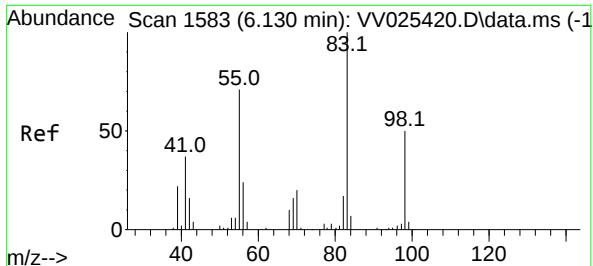
Tgt Ion:117 Resp: 4627
Ion Ratio Lower Upper
117 100
119 95.9 76.6 114.8



#34
Trichloroethene
Concen: 92.398 ug/L
RT: 5.911 min Scan# 1515
Delta R.T. -0.003 min
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Tgt Ion: 95 Resp: 856223
Ion Ratio Lower Upper
95 100
97 64.2 45.8 85.2
132 97.0 68.0 126.4
130 101.5 71.9 133.5





#35

Methylcyclohexane

Concen: 0.851 ug/L

RT: 6.069 min Scan# 1

Delta R.T. -0.061 min

Lab File: VV025426.D

Acq: 08 Apr 2022 21:51

Instrument :

MSVOA_V

ClientSampleId :

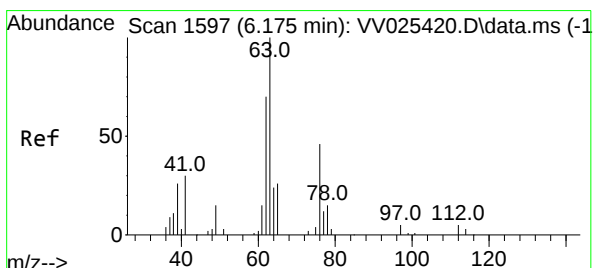
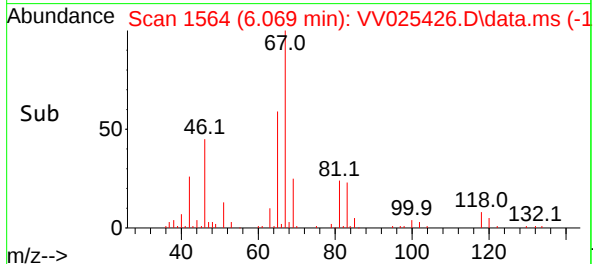
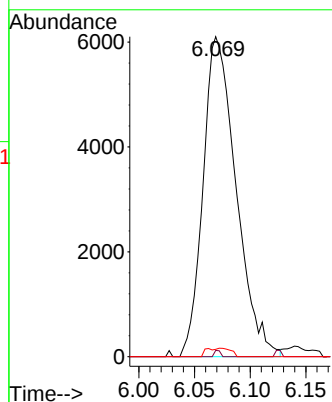
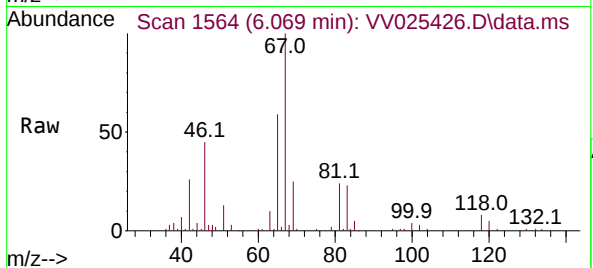
Tgt Ion: 83 Resp: 12586

Ion Ratio Lower Upper

83 100

55 0.4 53.7 80.5#

98 0.0 39.6 59.4#



#37

1,2-Dichloropropane

Concen: 0.679 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.103 min

Lab File: VV025426.D

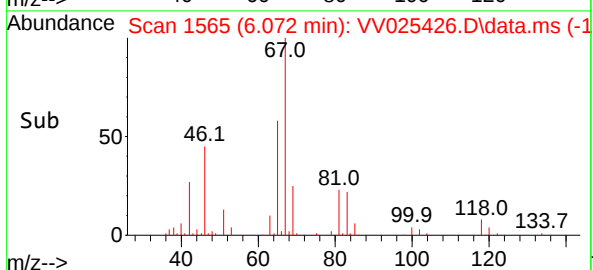
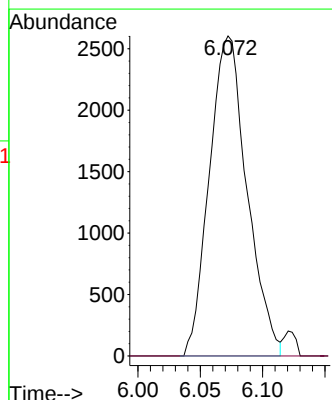
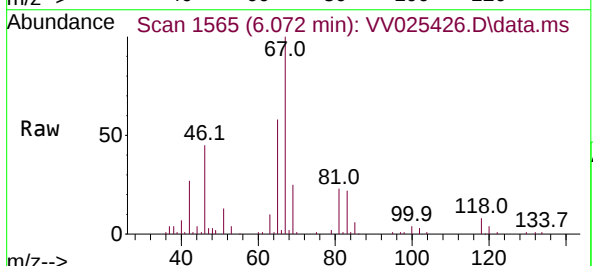
Acq: 08 Apr 2022 21:51

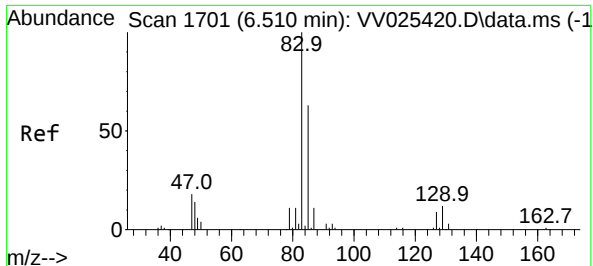
Tgt Ion: 63 Resp: 5482

Ion Ratio Lower Upper

63 100

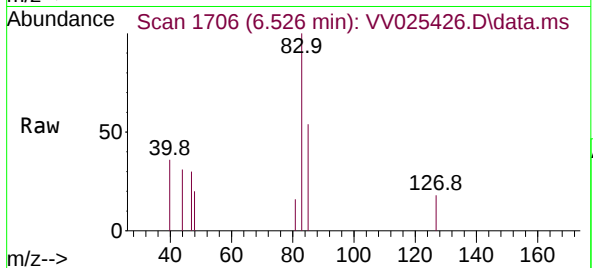
112 0.0 3.8 5.8#



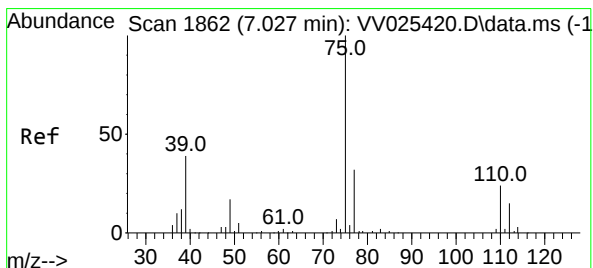
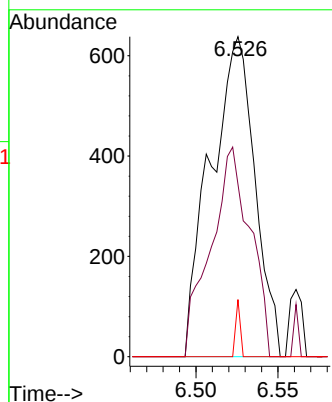
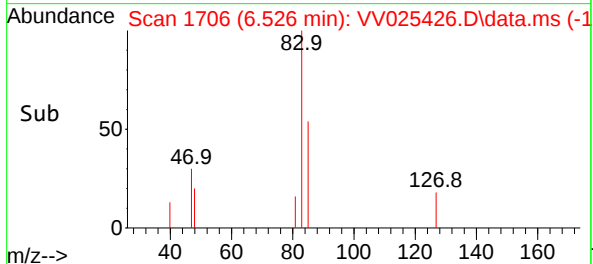


#38
Bromodichloromethane
Concen: 0.120 ug/L
RT: 6.526 min Scan# 11
Delta R.T. 0.016 min
Lab File: VV025426.D
Acq: 08 Apr 2022 21:51

Instrument :
MSVOA_V
ClientSampleId :

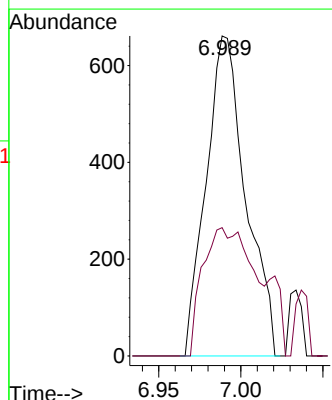
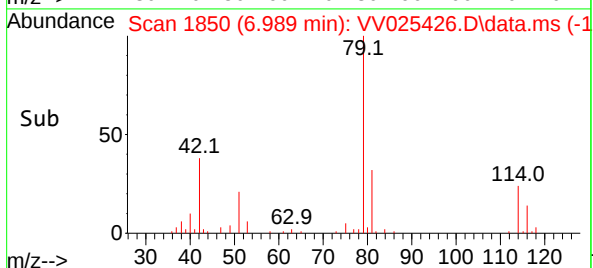
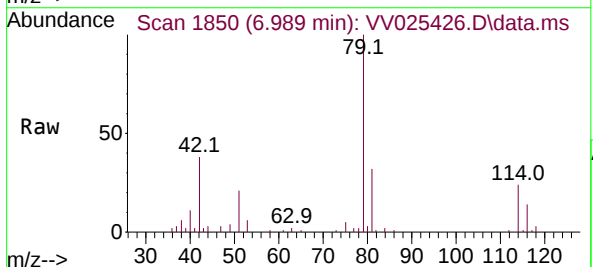


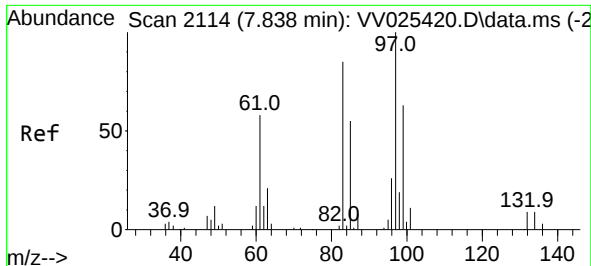
Tgt Ion: 83 Resp: 1201
Ion Ratio Lower Upper
83 100
85 53.9 44.4 82.4
127 17.9 7.2 10.8#



#39
cis-1,3-Dichloropropene
Concen: 0.105 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.039 min
Lab File: VV025426.D
Acq: 08 Apr 2022 21:51

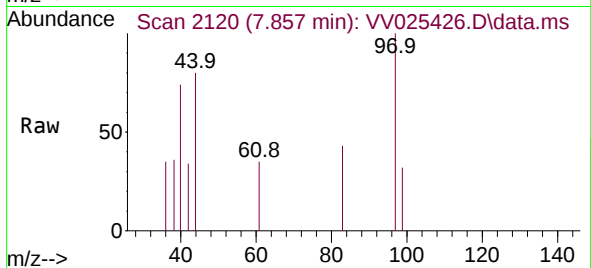
Tgt Ion: 75 Resp: 1108
Ion Ratio Lower Upper
75 100
77 40.1 21.8 40.6





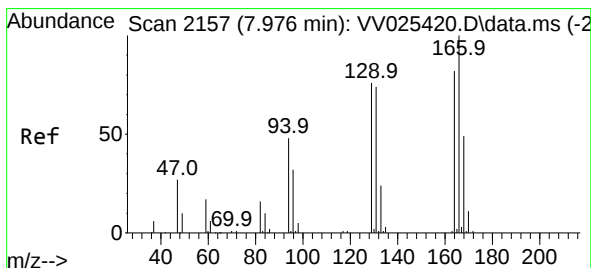
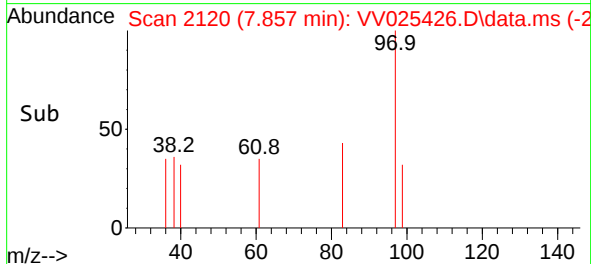
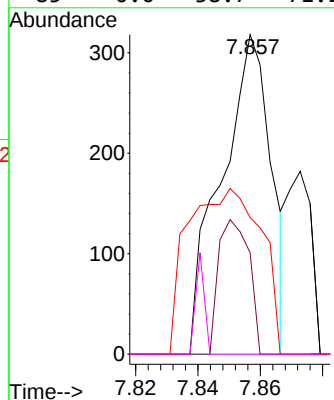
#45
1,1,2-Trichloroethane
Concen: 0.065 ug/L
RT: 7.857 min Scan# 2114
Delta R.T. 0.019 min
Lab File: VV025426.D
Acq: 08 Apr 2022 21:51

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 97 Resp: 354

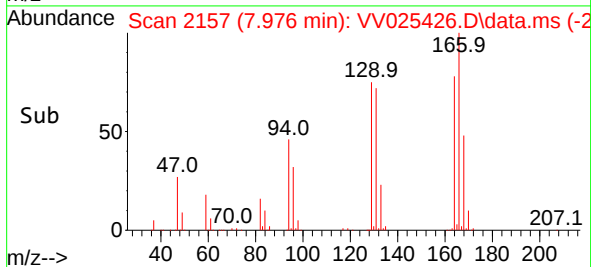
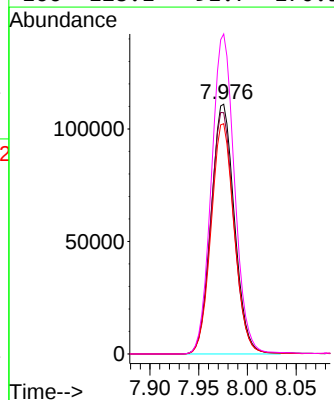
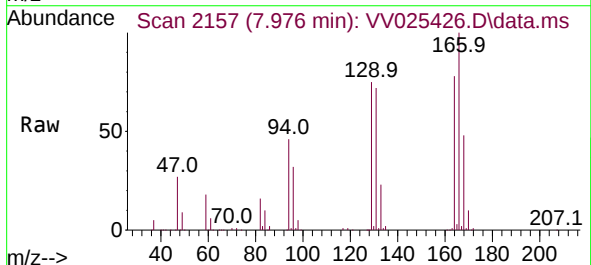
Ion	Ratio	Lower	Upper
97	100		
99	31.8	43.8	81.4#
83	42.8	60.3	112.1#
85	0.0	38.7	71.9#

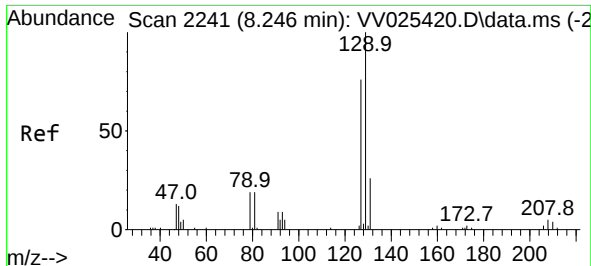


#47
Tetrachloroethene
Concen: 25.457 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.000 min
Lab File: VV025426.D
Acq: 08 Apr 2022 21:51

Tgt Ion: 164 Resp: 184684

Ion	Ratio	Lower	Upper
164	100		
129	96.6	66.8	124.2
131	92.2	66.4	123.4
166	128.1	91.7	170.3





#49

Dibromochloromethane

Concen: 28.938 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. -0.273 min

Lab File: VV025426.D

Acq: 08 Apr 2022 21:51

Instrument :

MSVOA_V

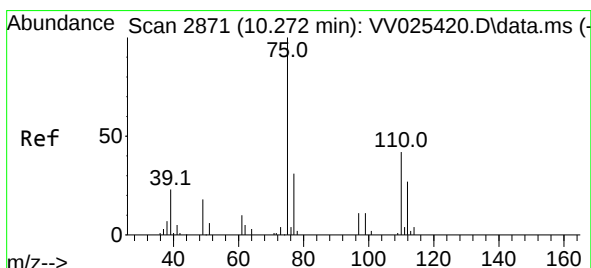
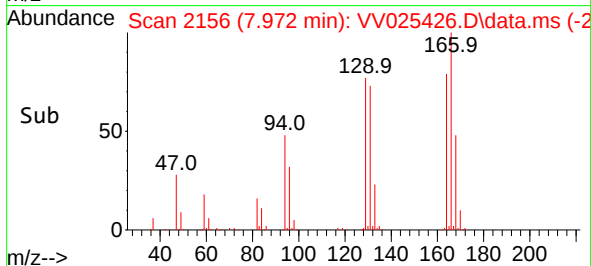
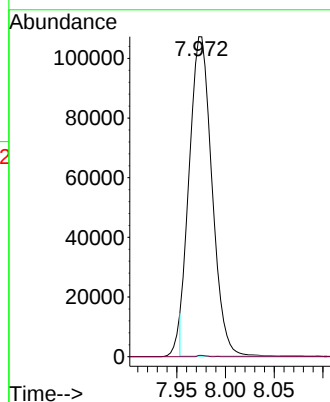
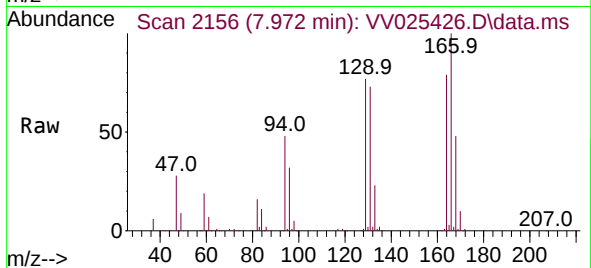
ClientSampleId :

Tgt Ion:129 Resp: 171766

Ion Ratio Lower Upper

129 100

127 0.4 53.8 100.0#



#61

1,2,3-Trichloropropane

Concen: 1.928 ug/L

RT: 11.246 min Scan# 3174

Delta R.T. 0.974 min

Lab File: VV025426.D

Acq: 08 Apr 2022 21:51

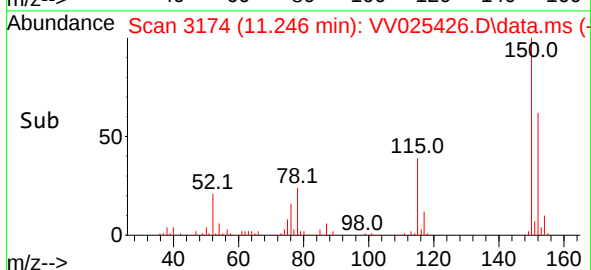
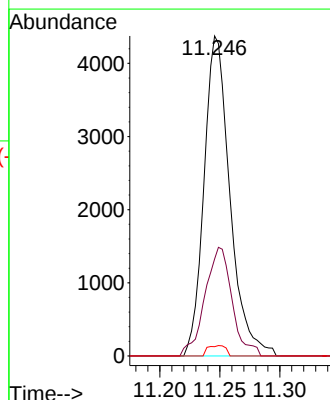
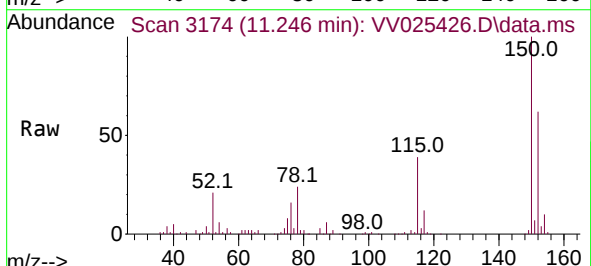
Tgt Ion: 75 Resp: 6581

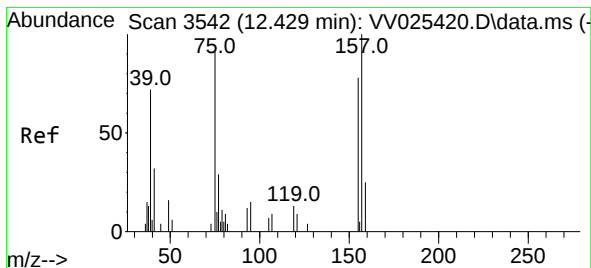
Ion Ratio Lower Upper

75 100

77 35.5 25.6 38.4

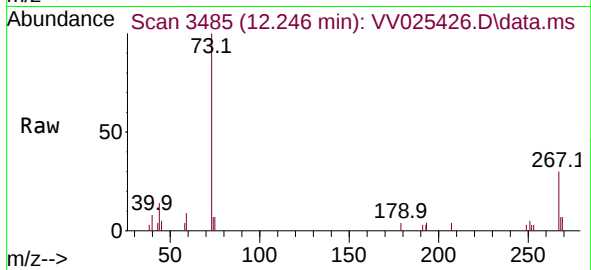
110 2.2 34.7 52.1#





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.398 ug/L
 RT: 12.246 min Scan# 34
 Delta R.T. -0.183 min
 Lab File: VV025426.D
 Acq: 08 Apr 2022 21:51

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 235
 Ion Ratio Lower Upper
 75 100
 155 0.0 65.8 98.8#
 157 0.0 86.6 130.0#

