

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040822\
 Data File : VW025429.D
 Acq On : 08 Apr 2022 23:02
 Operator : SY/MD
 Sample : N2219-11
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 09 06:28:06 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	124784	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	120884	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	53729	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.310	65	64539	5.563	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	111.200%	
7) Chloroethane-d5	1.571	69	57859	4.688	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	93.800%	
11) 1,1-Dichloroethene-d2	2.111	63	95290	4.100	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	82.000%	
20) 2-Butanone-d5	3.892	46	75574	53.554	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	107.100%	
24) Chloroform-d	4.352	84	84562	4.824	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	96.400%	
26) 1,2-Dichloroethane-d4	5.037	65	41124	5.444	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	108.800%	
32) Benzene-d6	5.053	84	177560	5.077	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	101.600%	
36) 1,2-Dichloropropane-d6	6.072	67	51584	5.288	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	105.800%	
41) Toluene-d8	7.316	98	157978	4.867	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	97.400%	
43) trans-1,3-Dichloroprop...	7.628	79	14142	4.313	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	86.200%	
46) 2-Hexanone-d5	8.088	63	62023	53.901	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	107.800%	
56) 1,1,2,2-Tetrachloroeth...	10.214	84	33660	5.462	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	109.200%	
66) 1,2-Dichlorobenzene-d4	11.622	152	53671	5.958	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	119.200%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.243	50	992	0.081	ug/L	91
9) Trichlorofluoromethane	1.754	101	893	0.046	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	1074	0.098	ug/L #	22
12) 1,1-Dichloroethene	2.114	96	1168	0.108	ug/L #	1
17) Methyl tert-butyl Ether	2.770	73	2538	0.152	ug/L #	89
18) trans-1,2-Dichloroethene	2.767	96	398	0.044	ug/L	79
19) 1,1-Dichloroethane	3.198	63	765	0.050	ug/L #	82
22) cis-1,2-Dichloroethene	3.918	96	8441	0.884	ug/L	97
25) Chloroform	4.381	83	13155	0.811	ug/L	89
27) 1,2-Dichloroethane	5.159	62	758	0.089	ug/L #	71
31) Carbon tetrachloride	4.841	117	887	0.074	ug/L	95
34) Trichloroethene	5.911	95	465076	49.051	ug/L	99
35) Methylcyclohexane	6.069	83	13120	0.867	ug/L #	21
37) 1,2-Dichloropropane	6.069	63	5803	0.702	ug/L #	87
38) Bromodichloromethane	6.522	83	618	0.060	ug/L #	91
45) 1,1,2-Trichloroethane	7.853	97	507	0.092	ug/L	90
47) Tetrachloroethene	7.976	164	307144	41.378	ug/L	98
49) Dibromochloromethane	7.972	129	283745	46.722	ug/L #	11
61) 1,2,3-Trichloropropane	11.246	75	6467	1.828	ug/L #	62

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Misc : 25mL/MSVOA_V/WATER
ALS Vial : 32 Sample Multiplier: 1

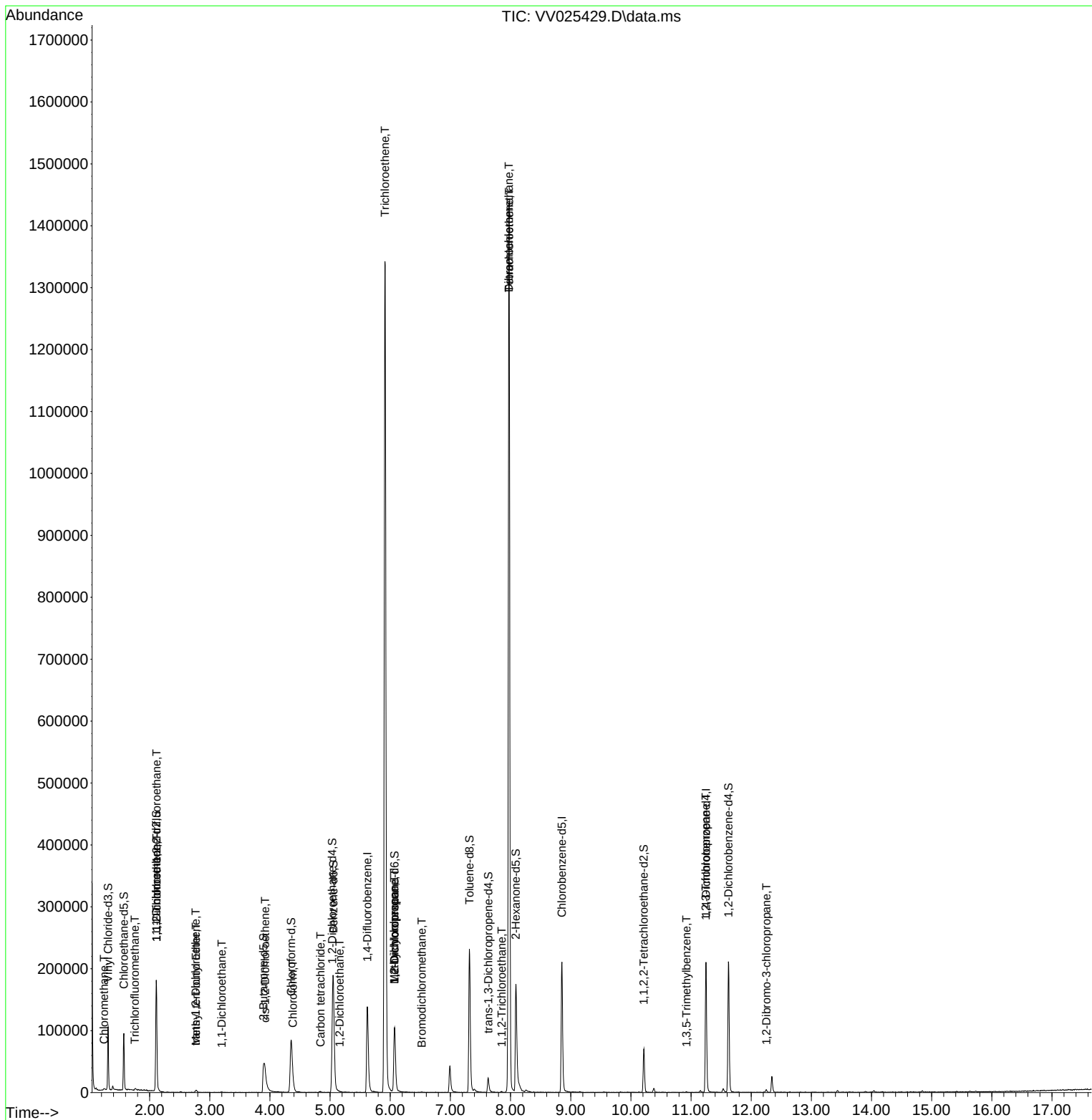
Instrument :
MSVOA_V
ClientSampleId :

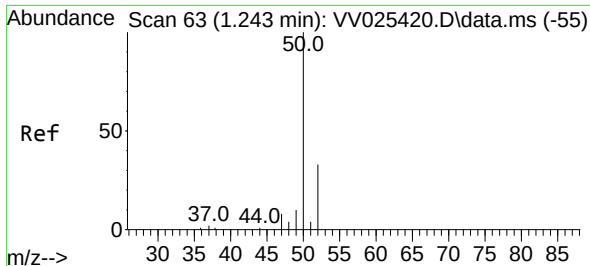
Quant Time: Apr 09 06:28:06 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR040822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Apr 09 06:16:16 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	10.924	105	581	0.039	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.252	75	111	0.181	ug/L #	2

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

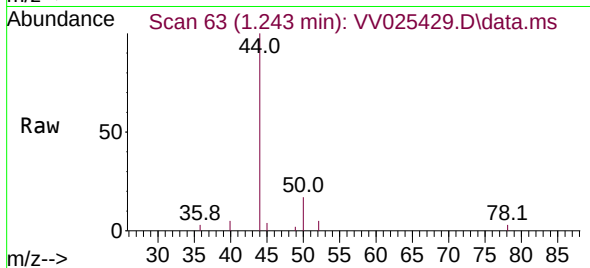
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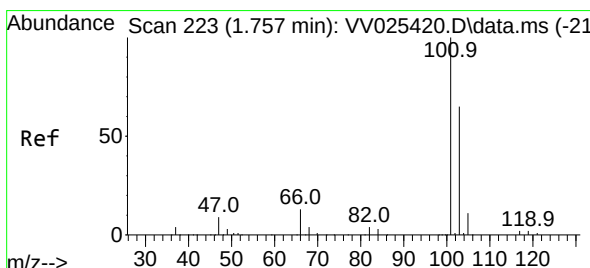
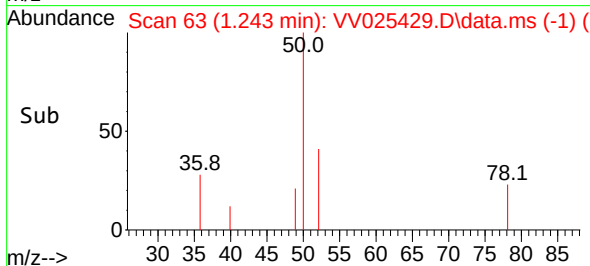
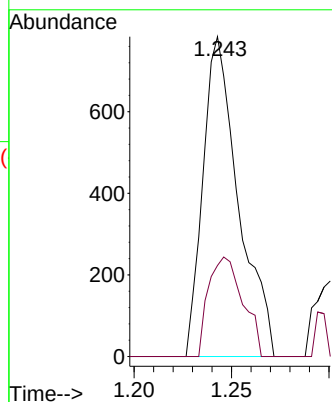


#3
Chloromethane
Concen: 0.081 ug/L
RT: 1.243 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV025429.D
Acq: 08 Apr 2022 23:02

Instrument :
MSVOA_V
ClientSampleId :

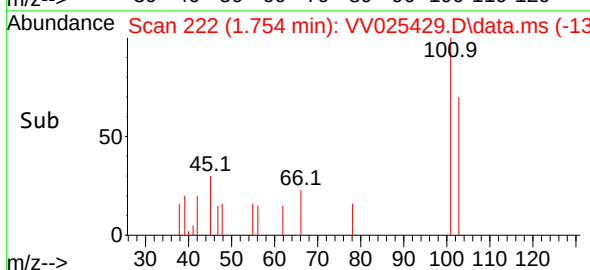
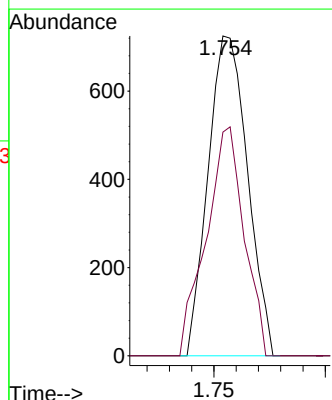
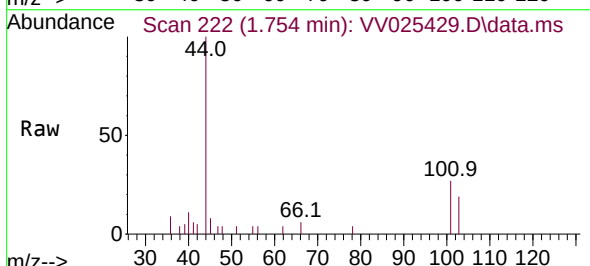


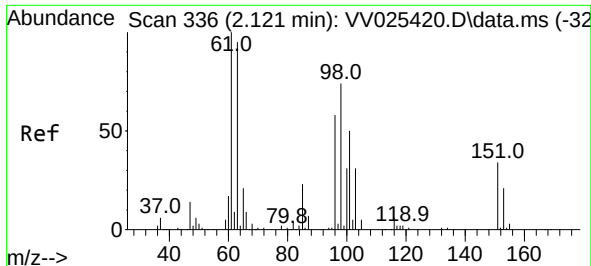
Tgt Ion: 50 Resp: 992
Ion Ratio Lower Upper
50 100
52 28.4 23.7 43.9



#9
Trichlorofluoromethane
Concen: 0.046 ug/L
RT: 1.754 min Scan# 222
Delta R.T. -0.003 min
Lab File: VV025429.D
Acq: 08 Apr 2022 23:02

Tgt Ion: 101 Resp: 893
Ion Ratio Lower Upper
101 100
103 68.5 51.9 77.9

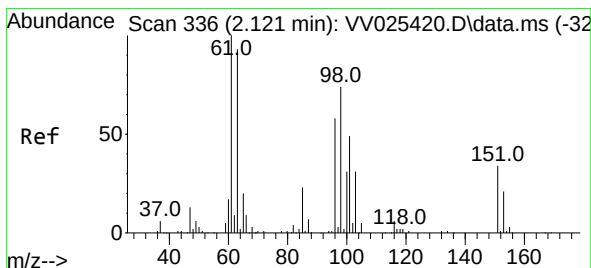
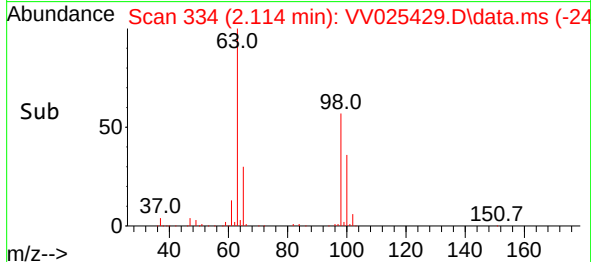
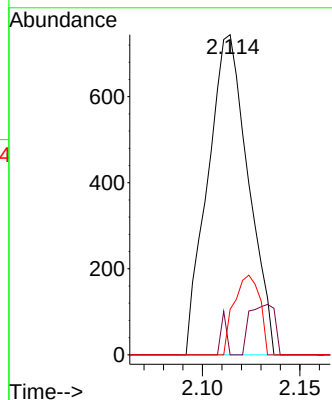
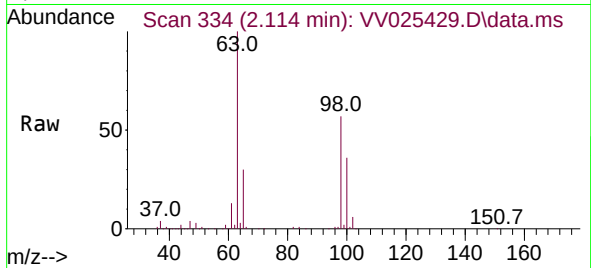




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.098 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.007 min
 Lab File: VV025429.D
 Acq: 08 Apr 2022 23:02

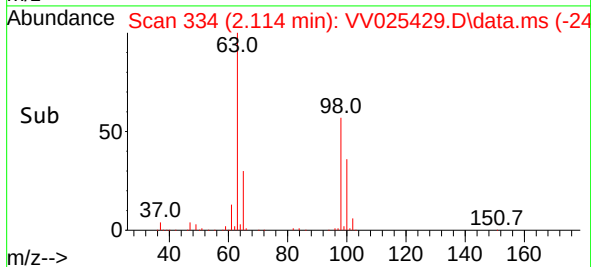
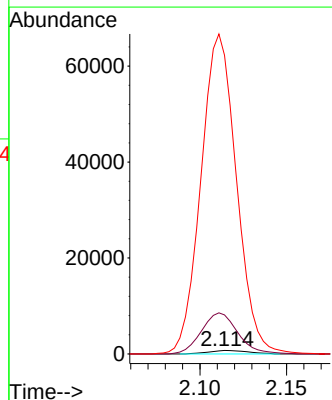
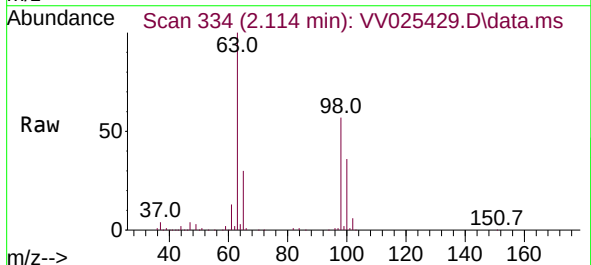
Instrument :
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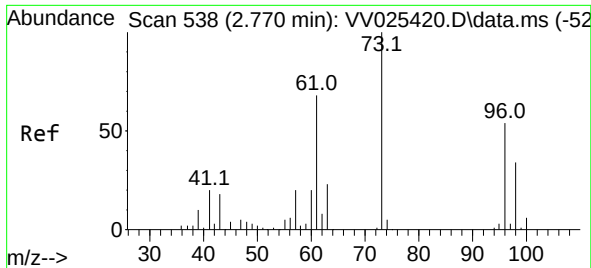
Tgt Ion:101 Resp: 1074
 Ion Ratio Lower Upper
 101 100
 85 1.8 35.9 53.9#
 151 0.0 56.0 84.0#



#12
 1,1-Dichloroethene
 Concen: 0.108 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.007 min
 Lab File: VV025429.D
 Acq: 08 Apr 2022 23:02

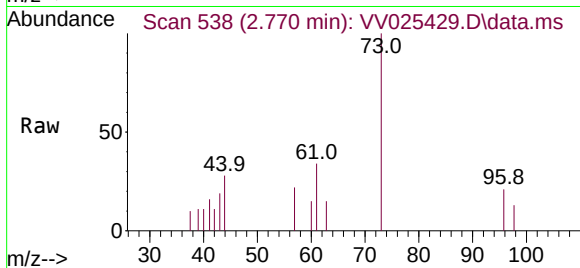
Tgt Ion: 96 Resp: 1168
 Ion Ratio Lower Upper
 96 100
 61 1109.3 125.2 232.4#
 63 8492.2 114.4 212.4#



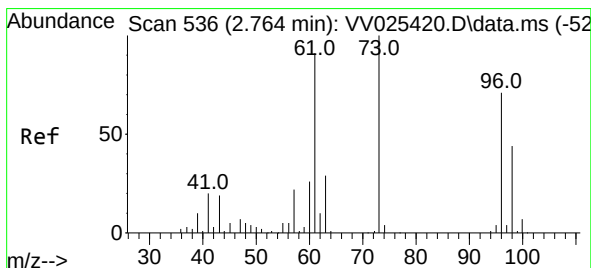
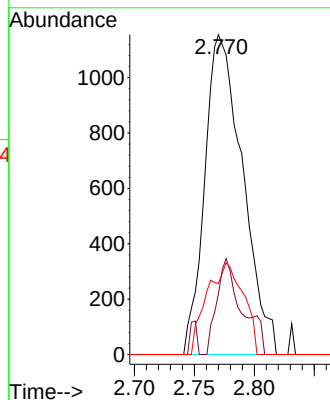
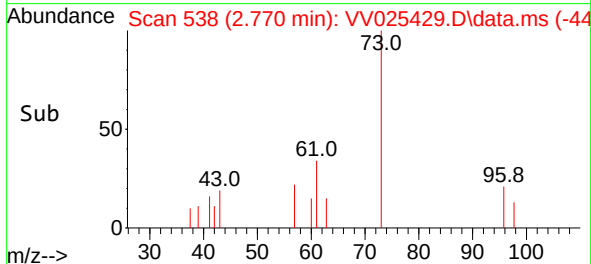


#17
Methyl tert-butyl Ether
Concen: 0.152 ug/L
RT: 2.770 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV025429.D
Acq: 08 Apr 2022 23:02

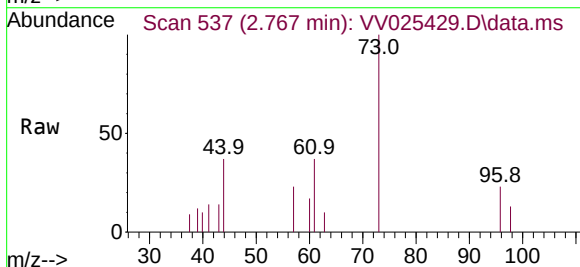
Instrument :
MSVOA_V
ClientSampleId :



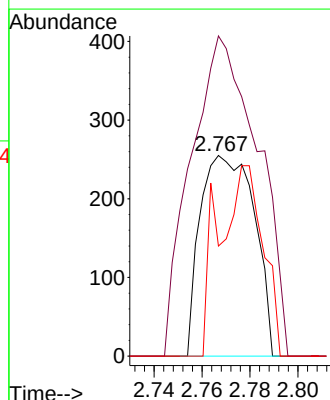
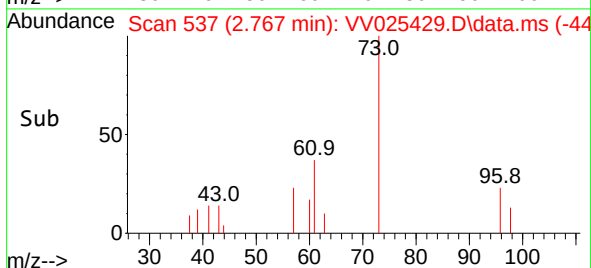
Tgt Ion: 73 Resp: 2538
Ion Ratio Lower Upper
73 100
43 20.1 14.2 21.4
57 27.7 16.1 24.1#

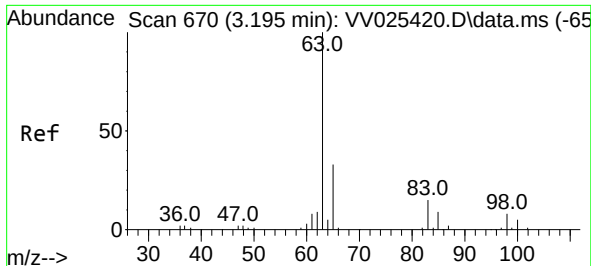


#18
trans-1,2-Dichloroethene
Concen: 0.044 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.003 min
Lab File: VV025429.D
Acq: 08 Apr 2022 23:02



Tgt Ion: 96 Resp: 398
Ion Ratio Lower Upper
96 100
61 159.6 92.1 171.1
98 54.9 47.5 88.1





#19

1,1-Dichloroethane

Concen: 0.050 ug/L

RT: 3.198 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV025429.D

Acq: 08 Apr 2022 23:02

Instrument :

MSVOA_V

ClientSampleId :

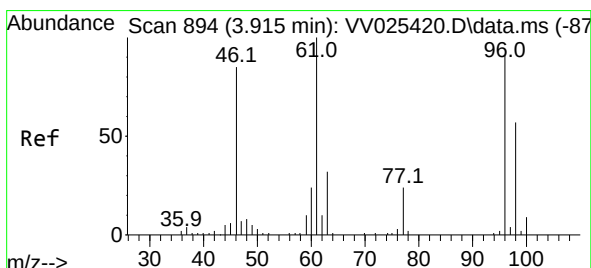
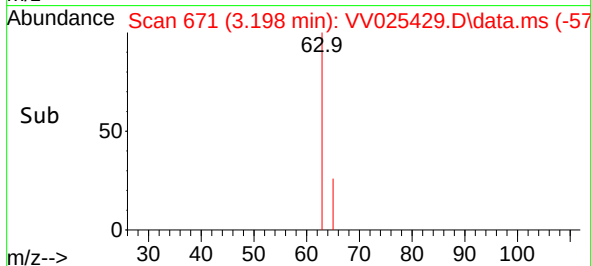
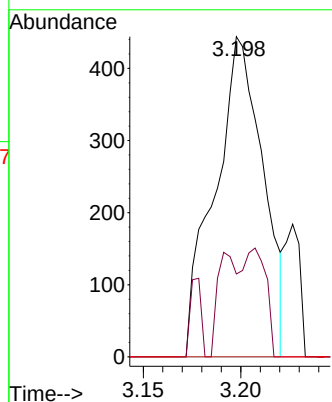
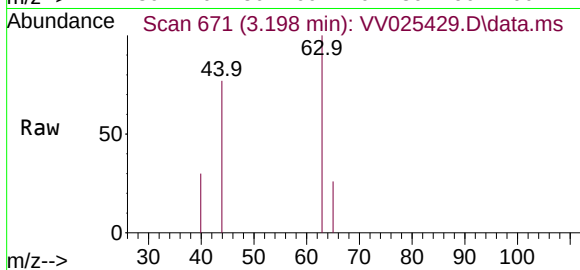
Tgt Ion: 63 Resp: 765

Ion Ratio Lower Upper

63 100

65 25.9 23.2 43.0

83 0.0 9.0 16.8#



#22

cis-1,2-Dichloroethene

Concen: 0.884 ug/L

RT: 3.918 min Scan# 895

Delta R.T. 0.003 min

Lab File: VV025429.D

Acq: 08 Apr 2022 23:02

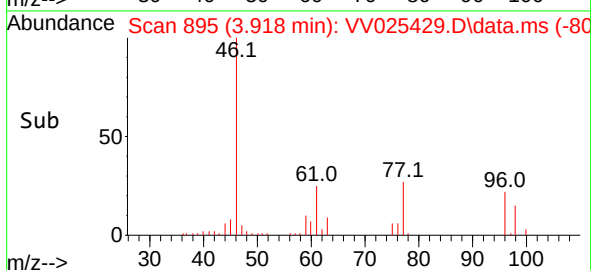
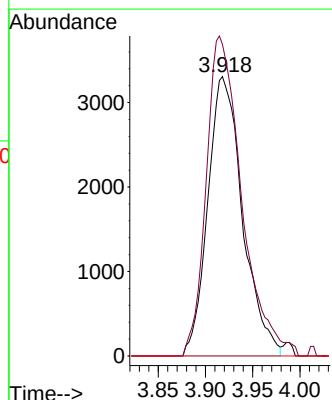
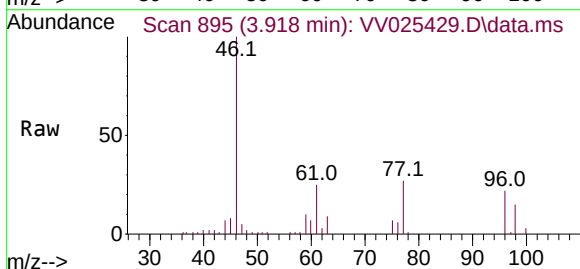
Tgt Ion: 96 Resp: 8441

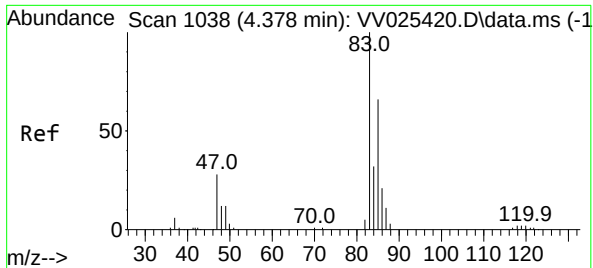
Ion Ratio Lower Upper

96 100

61 111.6 80.0 148.6

68 0.0 0.0 0.0

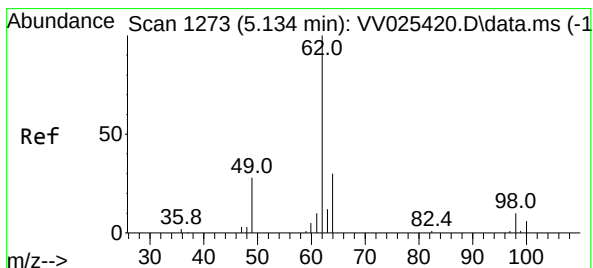
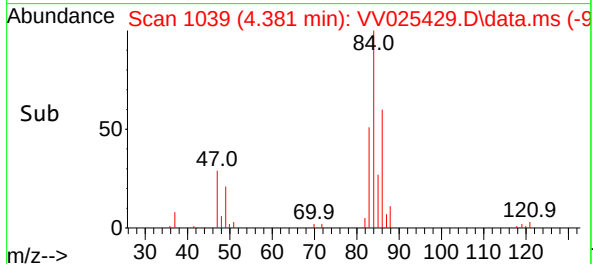
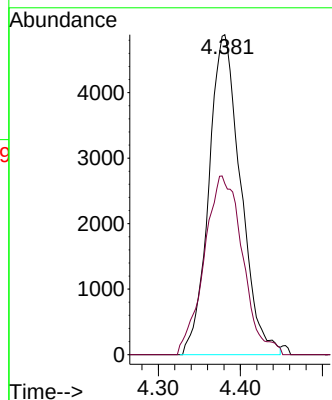
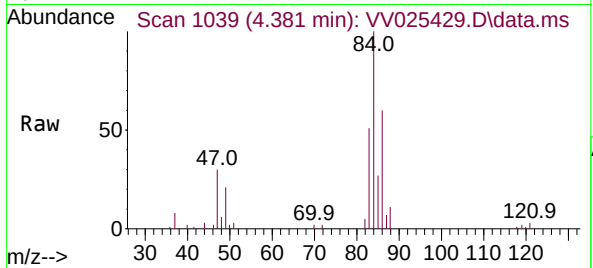




#25
Chloroform
Concen: 0.811 ug/L
RT: 4.381 min Scan# 1039
Delta R.T. 0.003 min
Lab File: VV025429.D
Acq: 08 Apr 2022 23:02

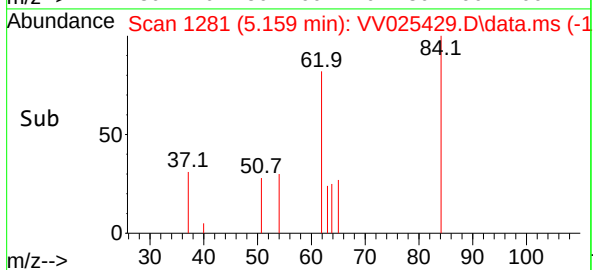
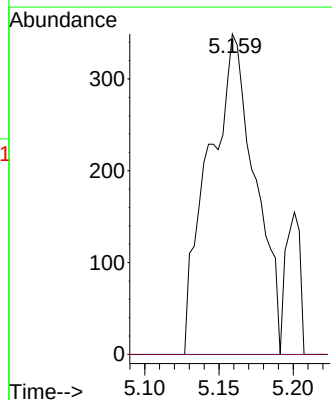
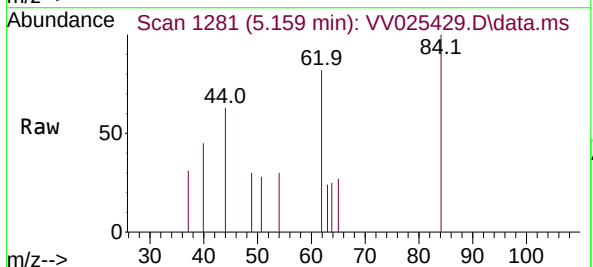
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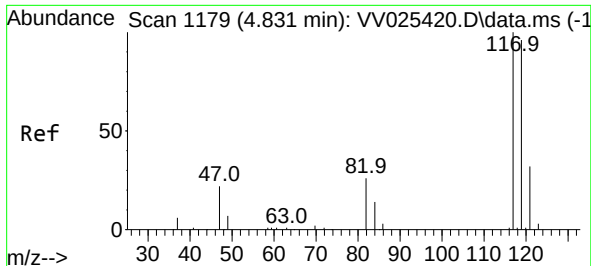
Tgt Ion: 83 Resp: 13155
Ion Ratio Lower Upper
83 100
85 53.5 43.5 80.7



#27
1,2-Dichloroethane
Concen: 0.089 ug/L
RT: 5.159 min Scan# 1281
Delta R.T. 0.026 min
Lab File: VV025429.D
Acq: 08 Apr 2022 23:02

Tgt Ion: 62 Resp: 758
Ion Ratio Lower Upper
62 100
98 0.0 8.8 13.2#

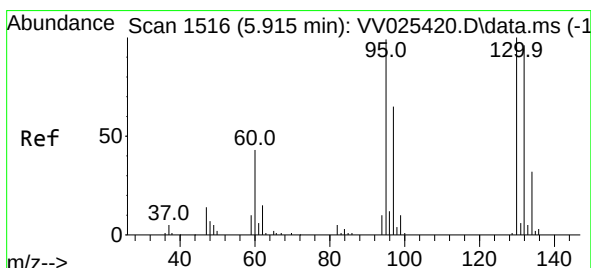
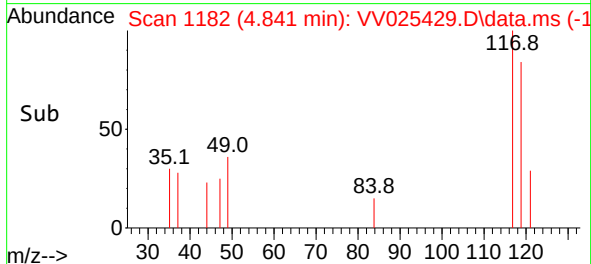
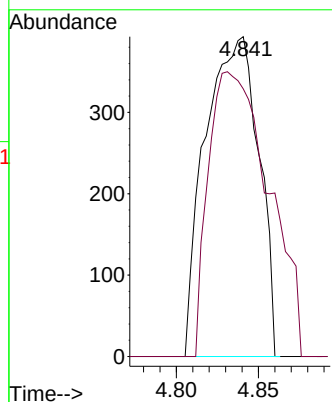
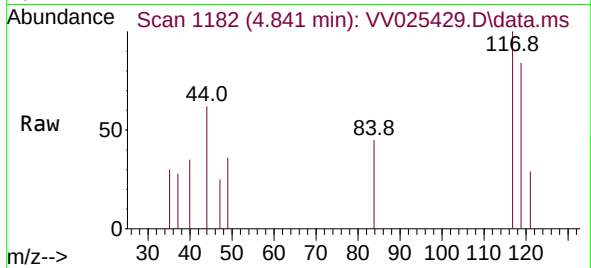




#31
Carbon tetrachloride
Concen: 0.074 ug/L
RT: 4.841 min Scan# 1179
Delta R.T. 0.009 min
Lab File: VV025429.D
Acq: 08 Apr 2022 23:02

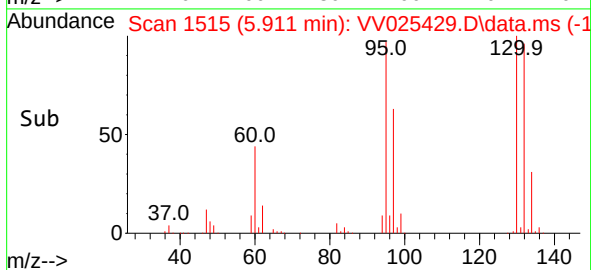
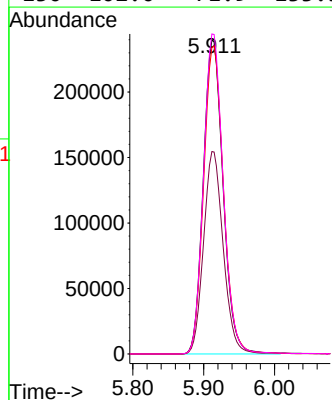
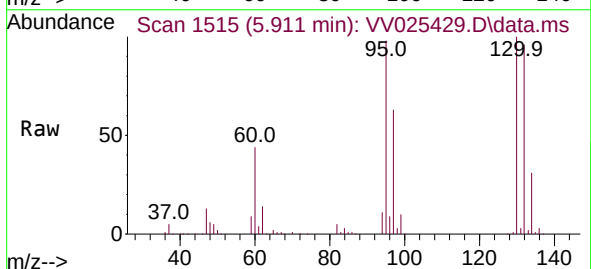
Instrument :
MSVOA_V
ClientSampleId :

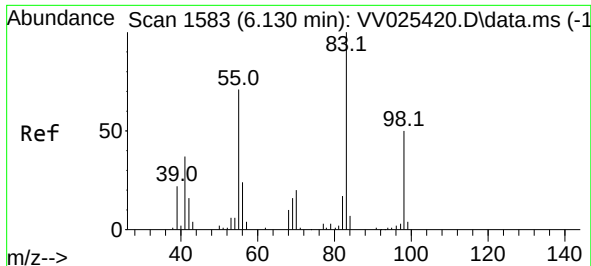
Tgt Ion:117 Resp: 887
Ion Ratio Lower Upper
117 100
119 100.7 76.6 114.8



#34
Trichloroethene
Concen: 49.051 ug/L
RT: 5.911 min Scan# 1515
Delta R.T. -0.003 min
Lab File: VV025429.D
Acq: 08 Apr 2022 23:02

Tgt Ion: 95 Resp: 465076
Ion Ratio Lower Upper
95 100
97 64.5 45.8 85.2
132 97.6 68.0 126.4
130 102.0 71.9 133.5

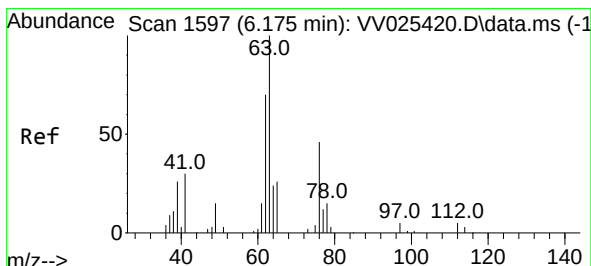
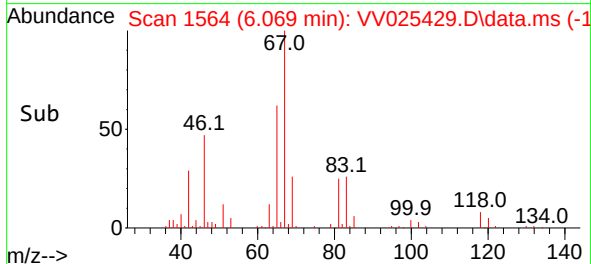
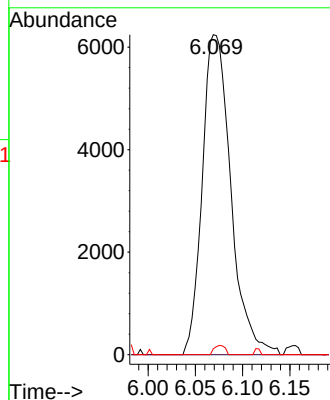
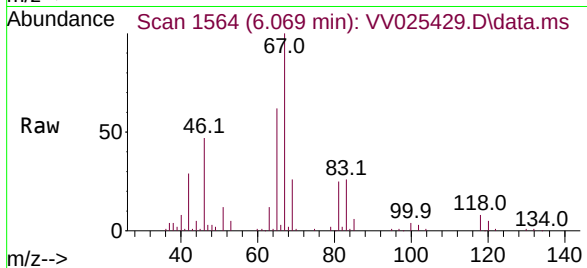




#35
Methylcyclohexane
Concen: 0.867 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.061 min
Lab File: VV025429.D
Acq: 08 Apr 2022 23:02

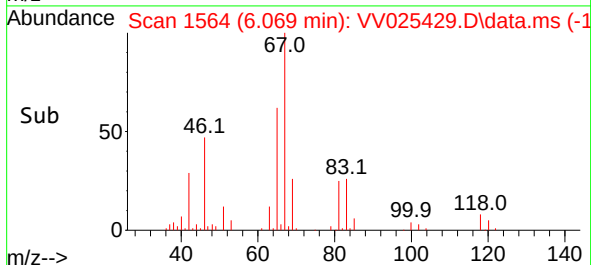
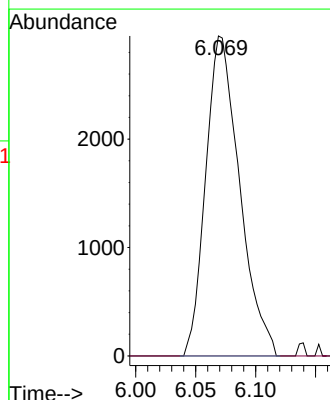
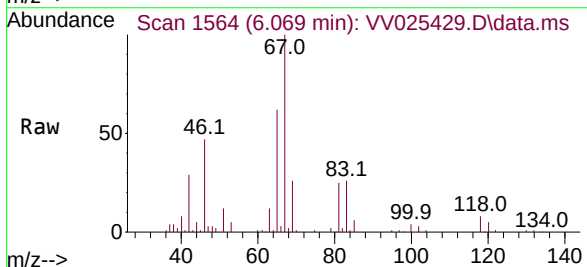
Instrument :
MSVOA_V
ClientSampleId :

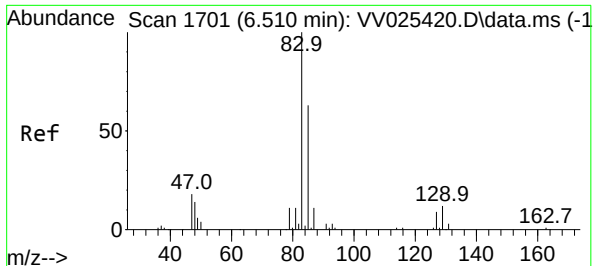
Tgt Ion: 83 Resp: 13120
Ion Ratio Lower Upper
83 100
55 0.0 53.7 80.5#
98 0.0 39.6 59.4#



#37
1,2-Dichloropropane
Concen: 0.702 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.106 min
Lab File: VV025429.D
Acq: 08 Apr 2022 23:02

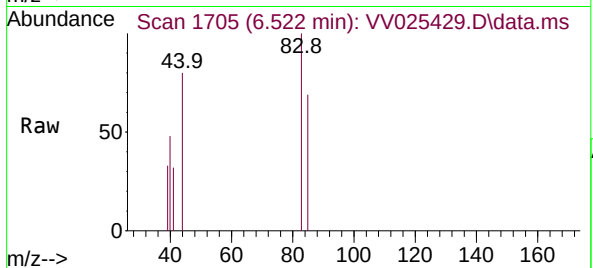
Tgt Ion: 63 Resp: 5803
Ion Ratio Lower Upper
63 100
112 0.4 3.8 5.8#



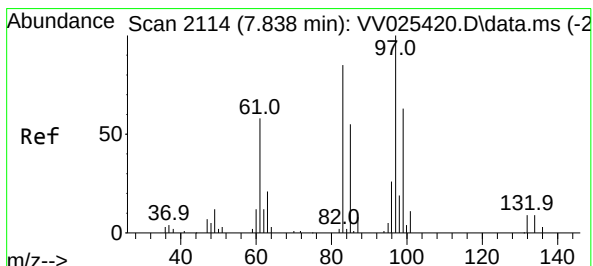
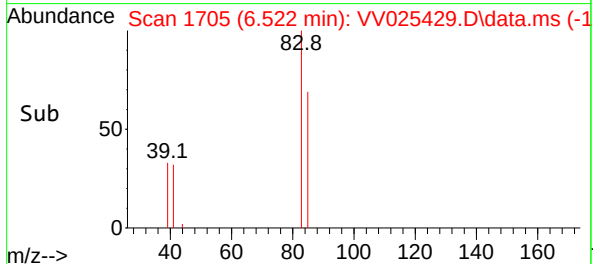
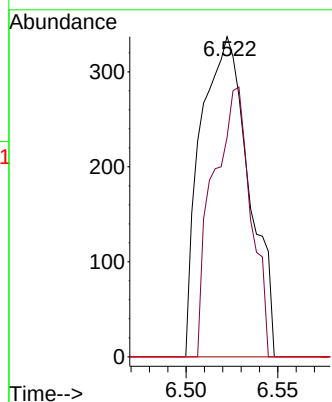


#38
Bromodichloromethane
Concen: 0.060 ug/L
RT: 6.522 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV025429.D
Acq: 08 Apr 2022 23:02

Instrument :
MSVOA_V
ClientSampleId :

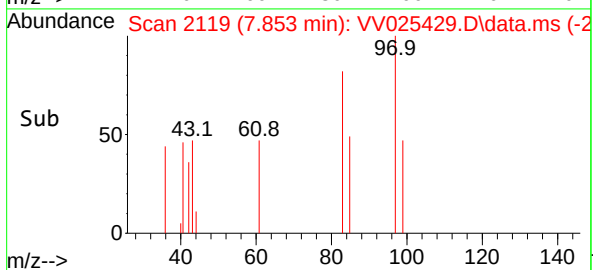
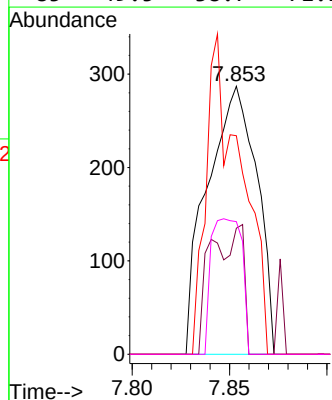
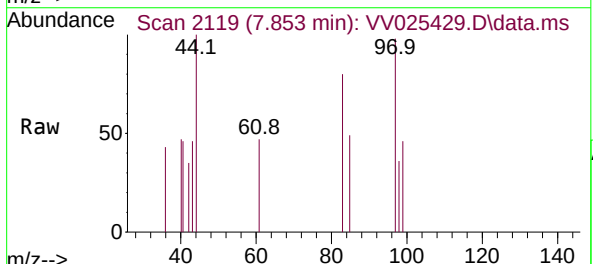


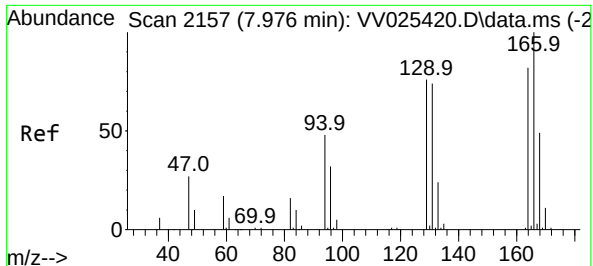
Tgt Ion: 83 Resp: 618
Ion Ratio Lower Upper
83 100
85 68.5 44.4 82.4
127 0.0 7.2 10.8#



#45
1,1,2-Trichloroethane
Concen: 0.092 ug/L
RT: 7.853 min Scan# 2119
Delta R.T. 0.016 min
Lab File: VV025429.D
Acq: 08 Apr 2022 23:02

Tgt Ion: 97 Resp: 507
Ion Ratio Lower Upper
97 100
99 47.0 43.8 81.4
83 81.5 60.3 112.1
85 49.5 38.7 71.9





#47

Tetrachloroethene

Concen: 41.378 ug/L

RT: 7.976 min Scan# 2156

Delta R.T. -0.000 min

Lab File: VV025429.D

Acq: 08 Apr 2022 23:02

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:164 Resp: 307144

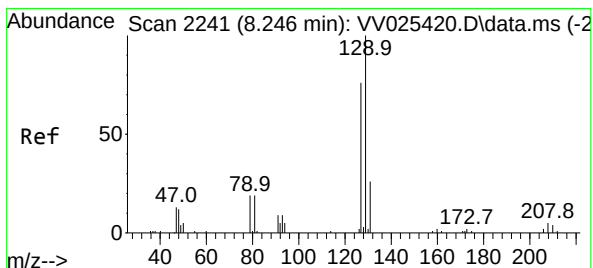
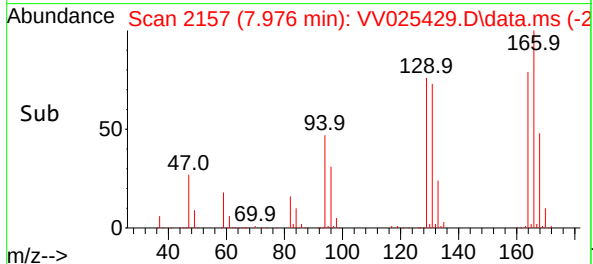
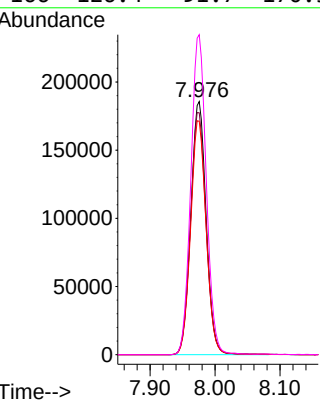
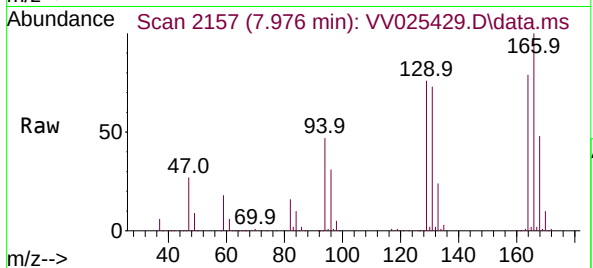
Ion Ratio Lower Upper

164 100

129 95.6 66.8 124.2

131 92.2 66.4 123.4

166 126.4 91.7 170.3



#49

Dibromochloromethane

Concen: 46.722 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. -0.274 min

Lab File: VV025429.D

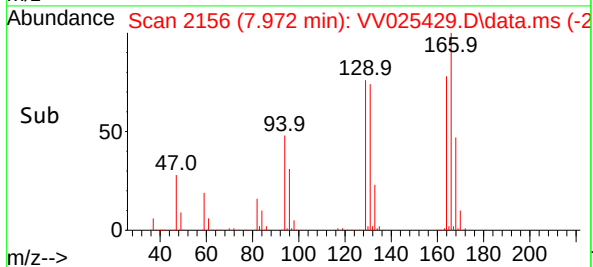
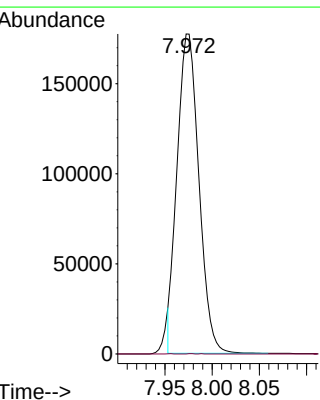
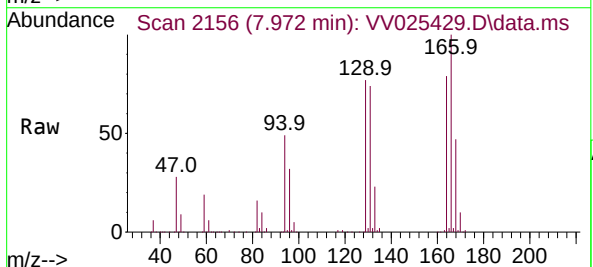
Acq: 08 Apr 2022 23:02

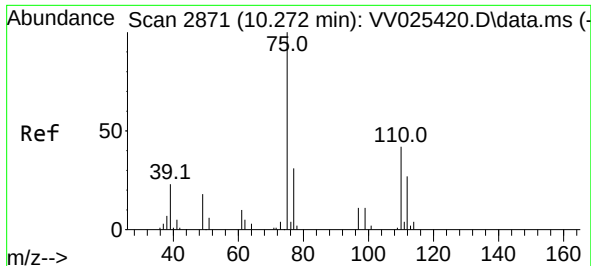
Tgt Ion:129 Resp: 283745

Ion Ratio Lower Upper

129 100

127 0.0 53.8 100.0#

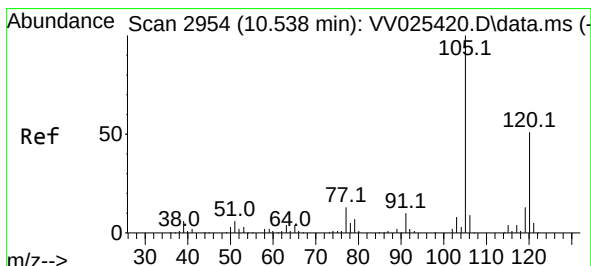
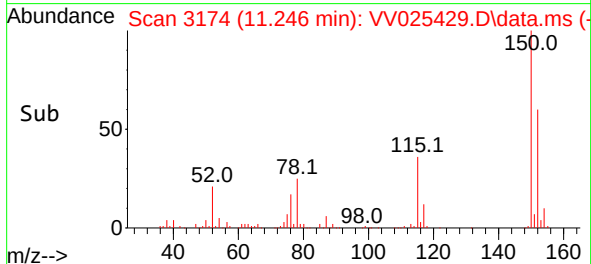
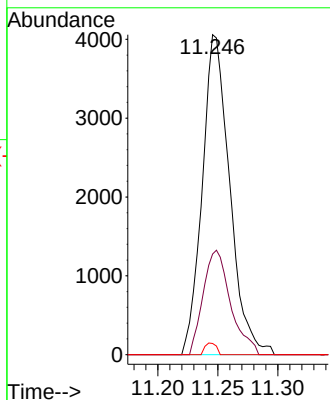
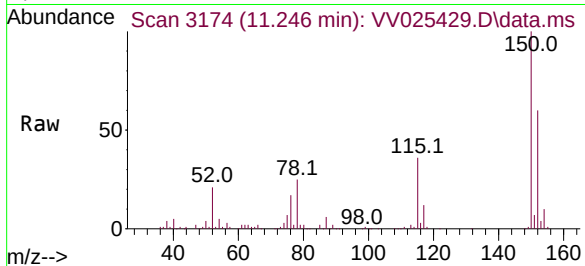




#61
 1,2,3-Trichloropropane
 Concen: 1.828 ug/L
 RT: 11.246 min Scan# 3174
 Delta R.T. 0.974 min
 Lab File: VV025429.D
 Acq: 08 Apr 2022 23:02

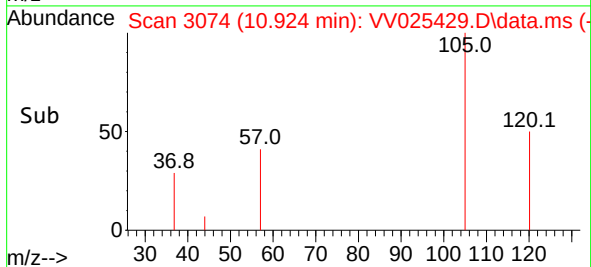
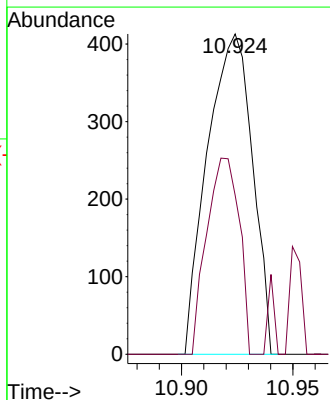
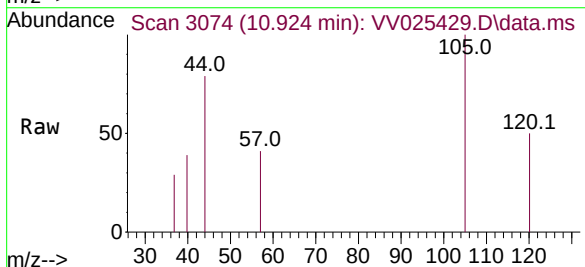
Instrument :
 MSVOA_V
 ClientSampleId :

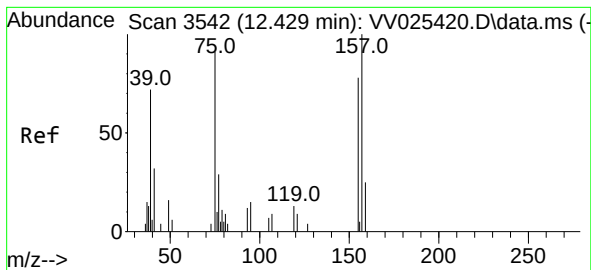
Tgt Ion: 75 Resp: 6467
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.6 38.4
 110 1.5 34.7 52.1#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.039 ug/L
 RT: 10.924 min Scan# 3074
 Delta R.T. 0.386 min
 Lab File: VV025429.D
 Acq: 08 Apr 2022 23:02

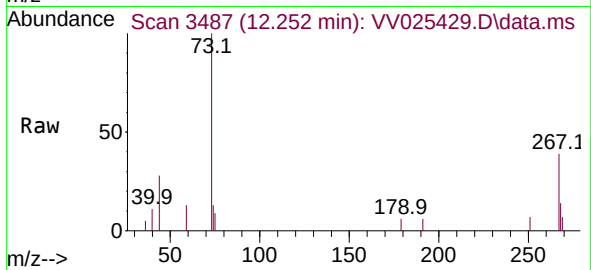
Tgt Ion: 105 Resp: 581
 Ion Ratio Lower Upper
 105 100
 120 44.1 39.6 59.4





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.181 ug/L
 RT: 12.252 min Scan# 34
 Delta R.T. -0.177 min
 Lab File: VV025429.D
 Acq: 08 Apr 2022 23:02

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 111
 Ion Ratio Lower Upper
 75 100
 155 0.0 65.8 98.8#
 157 0.0 86.6 130.0#

