

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082222\
 Data File : VV027474.D
 Acq On : 22 Aug 2022 17:48
 Operator : SY/MD
 Sample : N4252-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 23 03:14:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081922WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 23 03:03:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	110684	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	109143	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	47054	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	49627	6.300	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	126.000%
7) Chloroethane-d5	1.568	69	37833	6.562	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	131.200%#
11) 1,1-Dichloroethene-d2	2.108	63	85749	4.668	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.400%
20) 2-Butanone-d5	3.889	46	32294	32.942	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	65.880%
24) Chloroform-d	4.346	84	79926	5.074	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.400%
26) 1,2-Dichloroethane-d4	5.034	65	34089	5.003	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.000%
32) Benzene-d6	5.050	84	146292	4.839	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
36) 1,2-Dichloropropane-d6	6.069	67	46055	5.240	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.800%
41) Toluene-d8	7.313	98	114449	4.193	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.800%
43) trans-1,3-Dichloroprop...	7.625	79	13767	4.575	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.400%
46) 2-Hexanone-d5	8.091	63	43125	43.533	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.060%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	27291	4.876	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	36263	5.199	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.217	85	2440	0.208	ug/L	94
3) Chloromethane	1.240	50	2720	0.265	ug/L	96
5) Vinyl chloride	1.310	62	1769938	171.434	ug/L	100
6) Bromomethane	1.519	94	452	0.089	ug/L	91
8) Chloroethane	1.310	64	522338	86.572	ug/L #	42
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	940	0.102	ug/L #	28
12) 1,1-Dichloroethene	2.117	96	34180	4.081	ug/L	87
14) Carbon disulfide	2.297	76	2285	0.099	ug/L	99
18) trans-1,2-Dichloroethene	2.757	96	108112	12.531	ug/L	99
19) 1,1-Dichloroethane	3.188	63	20948	1.173	ug/L	94
22) cis-1,2-Dichloroethene	3.905	96	10509064	1142.969	ug/L	98
25) Chloroform	4.368	83	3397	0.175	ug/L	88
29) 1,1,1-Trichloroethane	4.606	97	7173	0.428	ug/L	94
31) Carbon tetrachloride	4.606	117	775	0.053	ug/L	96
33) Benzene	5.104	78	2583	0.071	ug/L	100
34) Trichloroethene	5.911	95	5676460	594.417	ug/L	98
35) Methylcyclohexane	6.069	83	10128	0.754	ug/L #	15
37) 1,2-Dichloropropane	6.069	63	5569	0.576	ug/L #	87
39) cis-1,3-Dichloropropene	6.989	75	1073	0.092	ug/L #	27

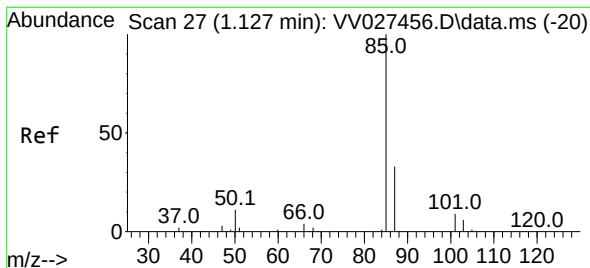
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082222\
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 23 03:03:07 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	7.979	164	2288	0.308	ug/L	76
49) Dibromochloromethane	7.976	129	2023	0.266	ug/L #	9
60) Isopropylbenzene	9.931	105	2965	0.096	ug/L	95
61) 1,2,3-Trichloropropane	11.249	75	5664	1.372	ug/L #	67
62) 1,3,5-Trimethylbenzene	10.927	105	334	0.039	ug/L	90

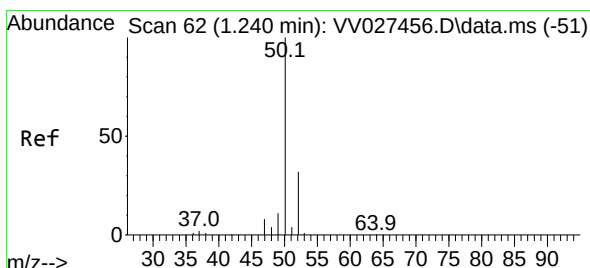
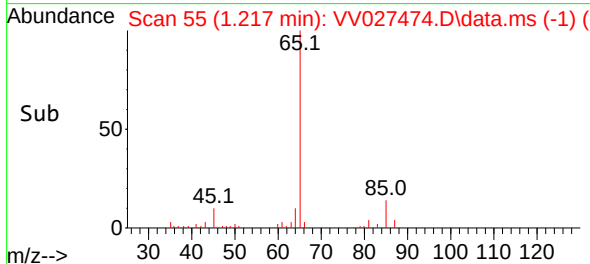
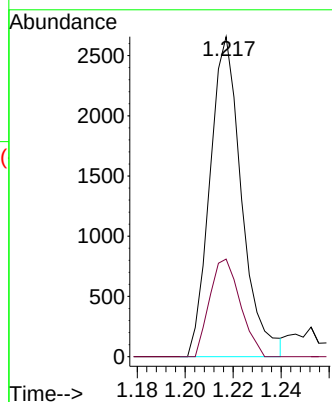
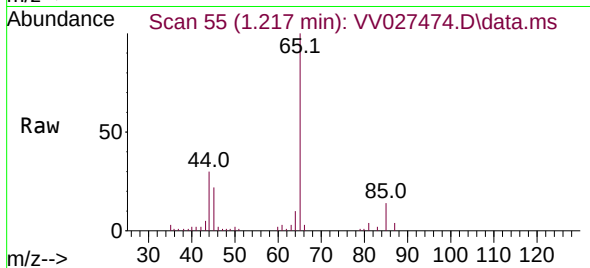
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 0.208 ug/L
 RT: 1.217 min Scan# 51
 Delta R.T. 0.090 min
 Lab File: VV027474.D
 Acq: 22 Aug 2022 17:48

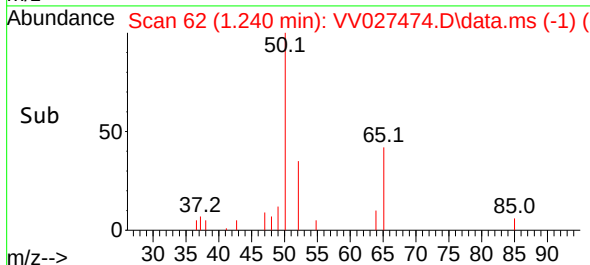
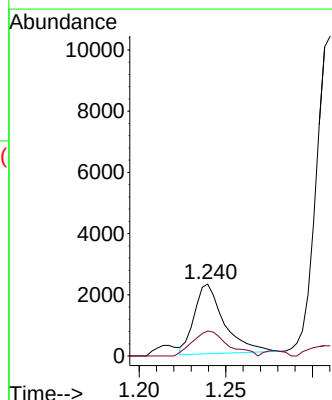
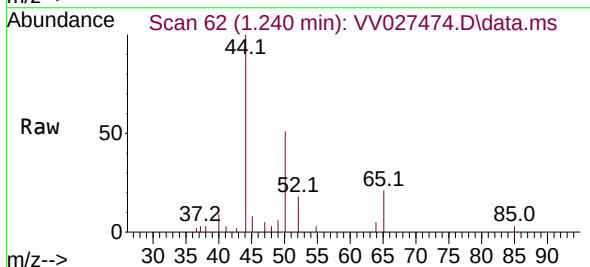
Instrument :
 MSVOA_V
 ClientSampleId :

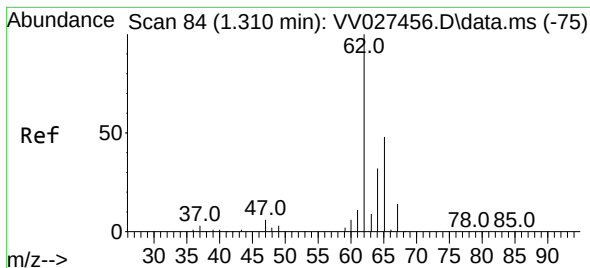
Tgt Ion: 85 Resp: 2440
 Ion Ratio Lower Upper
 85 100
 87 29.4 26.0 39.0



#3
 Chloromethane
 Concen: 0.265 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV027474.D
 Acq: 22 Aug 2022 17:48

Tgt Ion: 50 Resp: 2720
 Ion Ratio Lower Upper
 50 100
 52 34.7 22.8 42.4





#5

Vinyl chloride

Concen: 171.434 ug/L

RT: 1.310 min Scan# 84

Delta R.T. -0.000 min

Lab File: VV027474.D

Acq: 22 Aug 2022 17:48

Instrument :

MSVOA_V

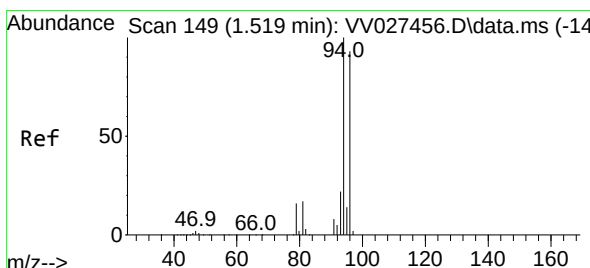
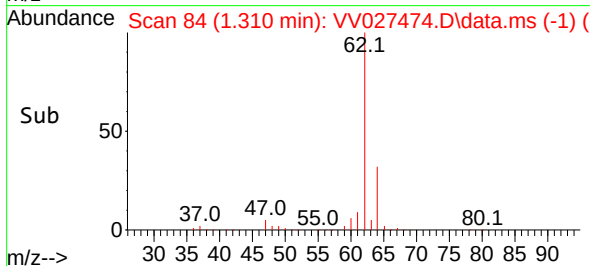
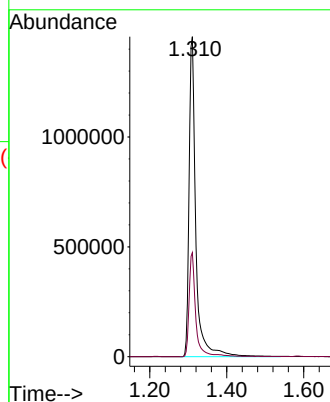
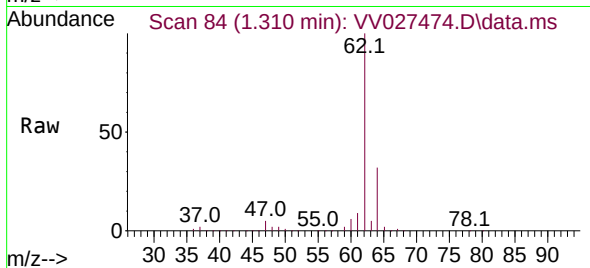
ClientSampleId :

Tgt Ion: 62 Resp: 1769938

Ion Ratio Lower Upper

62 100

64 32.5 22.6 42.0



#6

Bromomethane

Concen: 0.089 ug/L

RT: 1.519 min Scan# 149

Delta R.T. -0.000 min

Lab File: VV027474.D

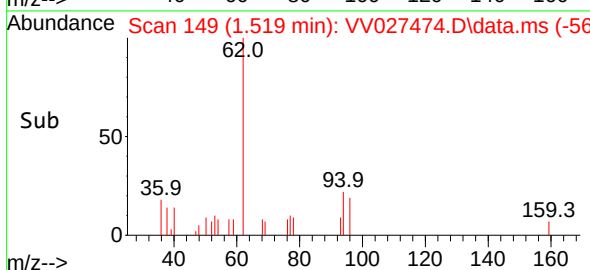
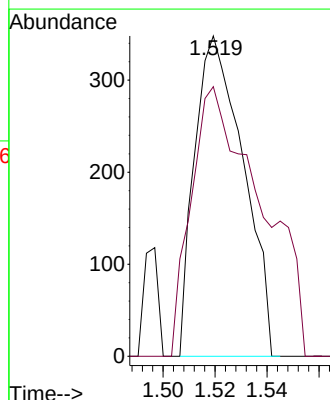
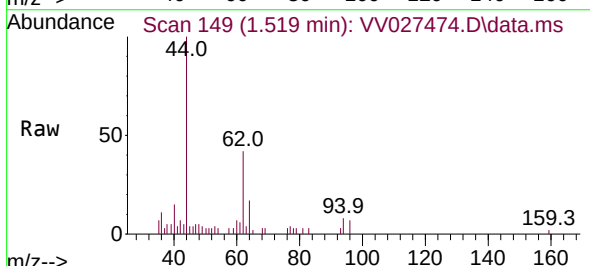
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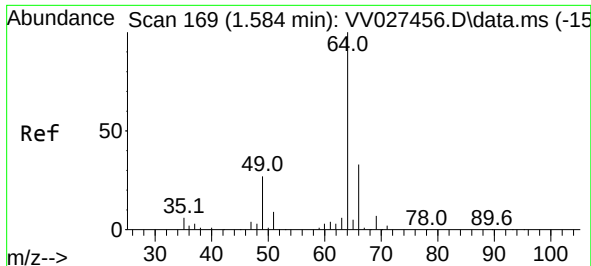
Tgt Ion: 94 Resp: 452

Ion Ratio Lower Upper

94 100

96 84.2 65.2 121.0

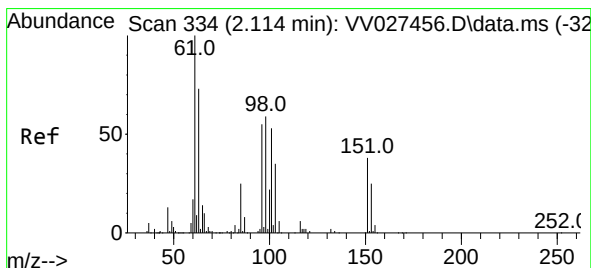
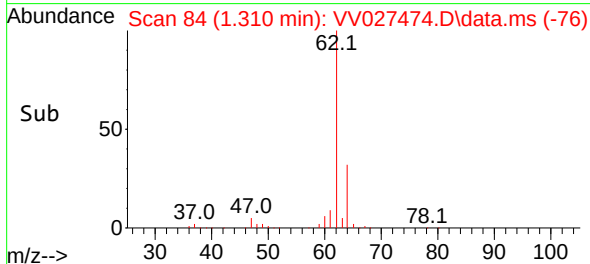
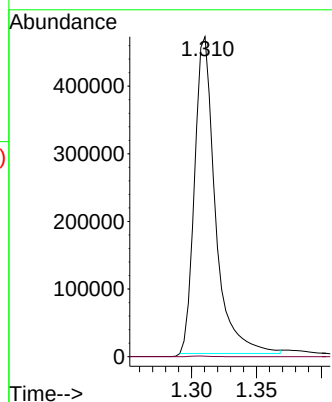
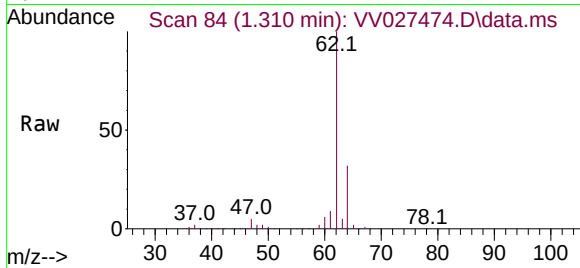




#8
Chloroethane
Concen: 86.572 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.273 min
Lab File: VV027474.D
Acq: 22 Aug 2022 17:48

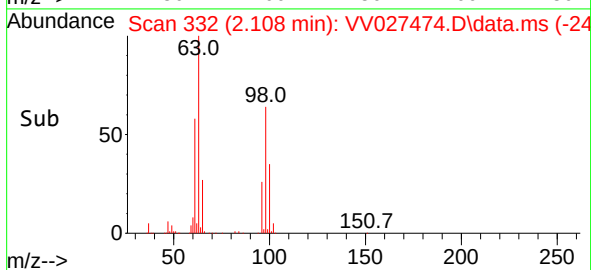
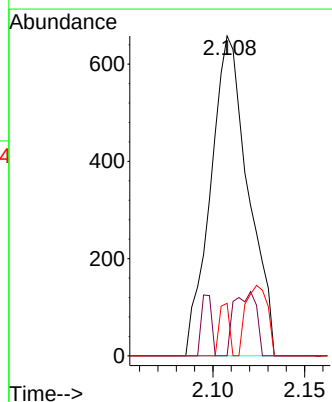
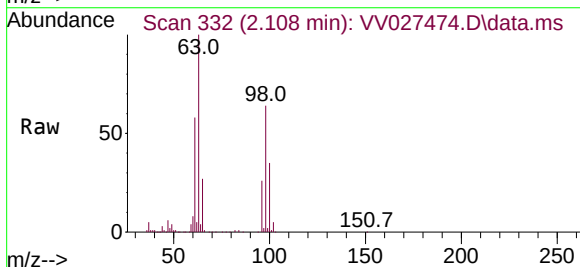
Instrument :
MSVOA_V
ClientSampleId :

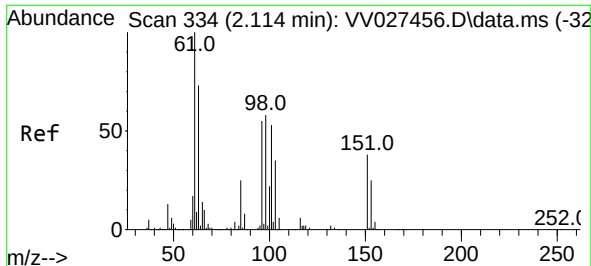
Tgt Ion: 64 Resp: 522338
Ion Ratio Lower Upper
64 100
66 0.1 23.3 43.3#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.102 ug/L
RT: 2.108 min Scan# 332
Delta R.T. -0.007 min
Lab File: VV027474.D
Acq: 22 Aug 2022 17:48

Tgt Ion:101 Resp: 940
Ion Ratio Lower Upper
101 100
85 5.1 35.3 52.9#
151 4.3 55.2 82.8#





#12

1,1-Dichloroethene

Concen: 4.081 ug/L

RT: 2.117 min Scan# 31

Delta R.T. 0.003 min

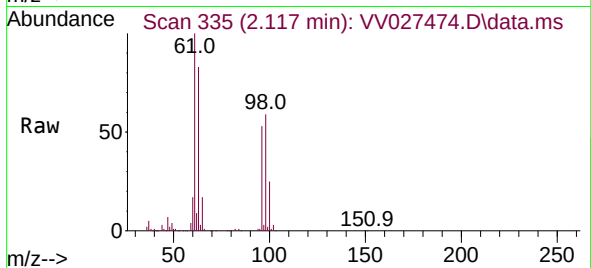
Lab File: VV027474.D

Acq: 22 Aug 2022 17:48

Instrument :

MSVOA_V

ClientSampleId :



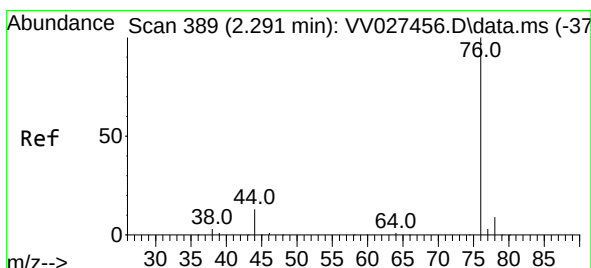
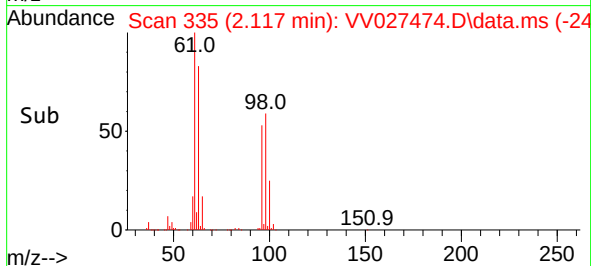
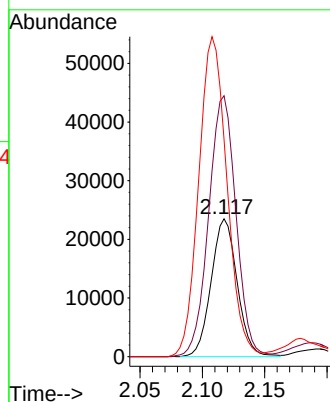
Tgt Ion: 96 Resp: 34180

Ion Ratio Lower Upper

96 100

61 189.1 130.2 241.8

63 157.5 87.4 162.4



#14

Carbon disulfide

Concen: 0.099 ug/L

RT: 2.297 min Scan# 391

Delta R.T. 0.006 min

Lab File: VV027474.D

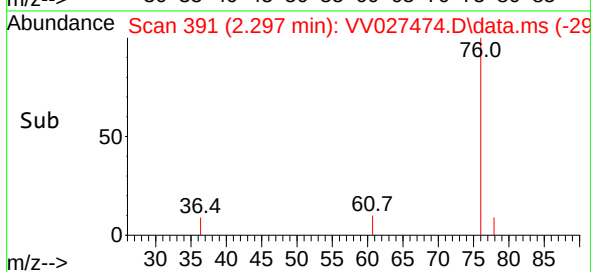
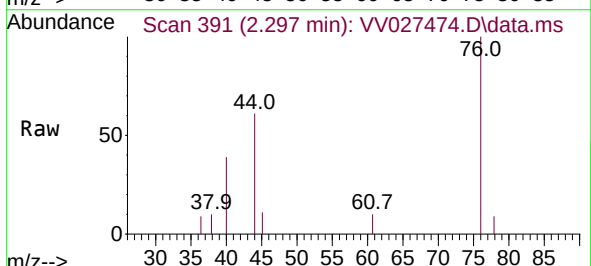
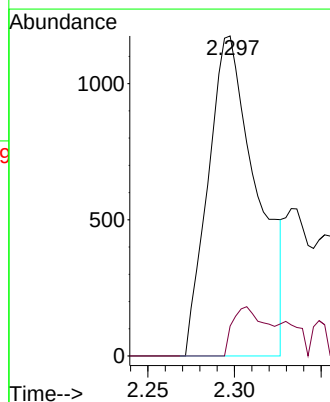
Acq: 22 Aug 2022 17:48

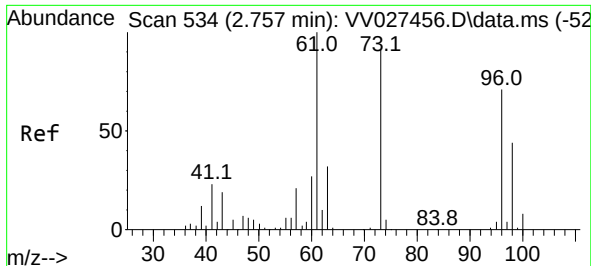
Tgt Ion: 76 Resp: 2285

Ion Ratio Lower Upper

76 100

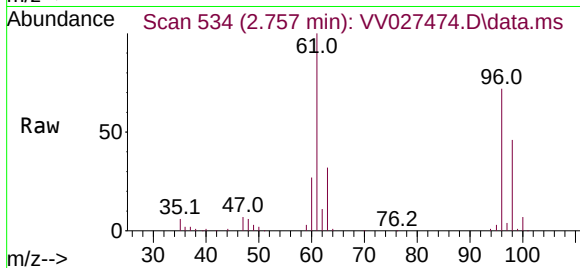
78 9.4 7.3 10.9



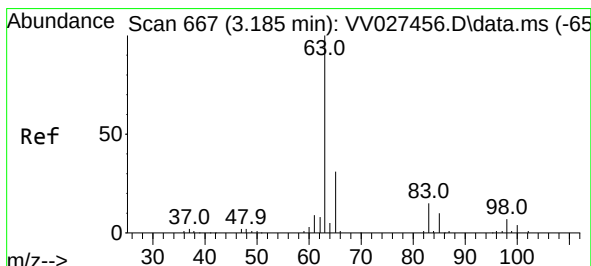
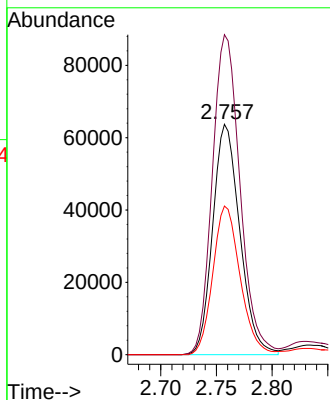
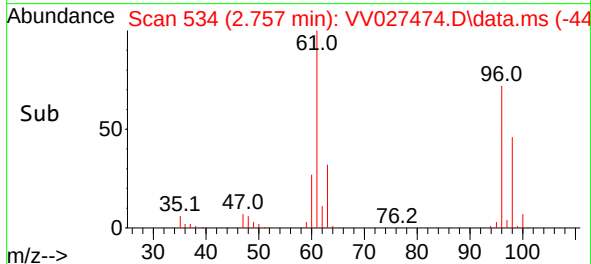


#18
trans-1,2-Dichloroethene
Concen: 12.531 ug/L
RT: 2.757 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV027474.D
Acq: 22 Aug 2022 17:48

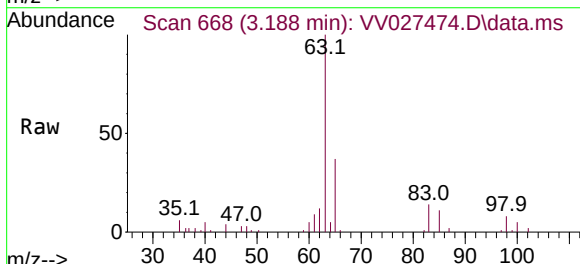
Instrument :
MSVOA_V
ClientSampleId :



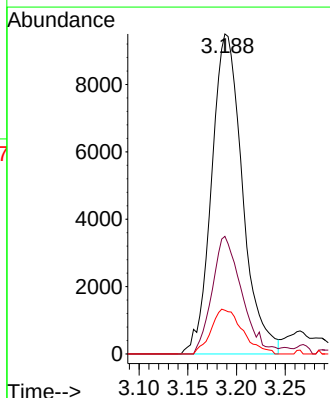
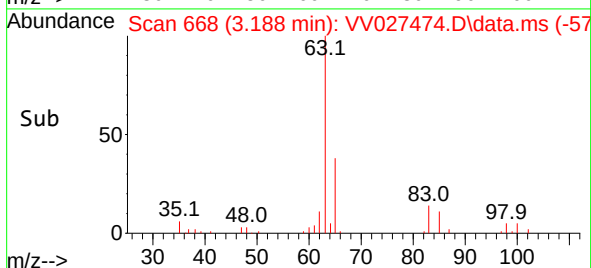
Tgt Ion:	96	Resp:	108112
Ion	Ratio	Lower	Upper
96	100		
61	138.9	97.6	181.4
98	64.5	45.9	85.3

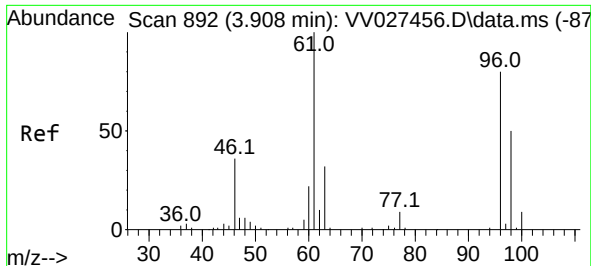


#19
1,1-Dichloroethane
Concen: 1.173 ug/L
RT: 3.188 min Scan# 668
Delta R.T. 0.003 min
Lab File: VV027474.D
Acq: 22 Aug 2022 17:48



Tgt Ion:	63	Resp:	20948
Ion	Ratio	Lower	Upper
63	100		
65	36.7	22.1	41.1
83	13.7	9.6	17.8





#22

cis-1,2-Dichloroethene

Concen: 1142.969 ug/L

RT: 3.905 min Scan# 891

Delta R.T. -0.003 min

Lab File: VV027474.D

Acq: 22 Aug 2022 17:48

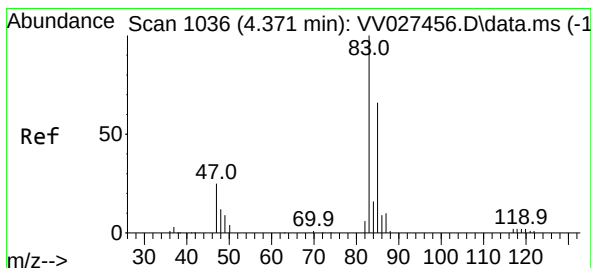
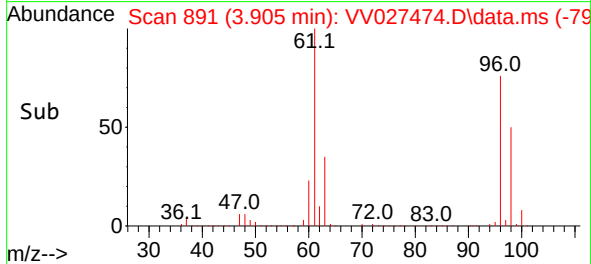
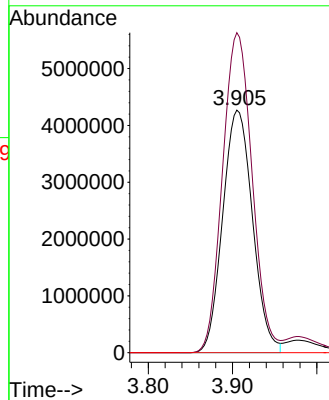
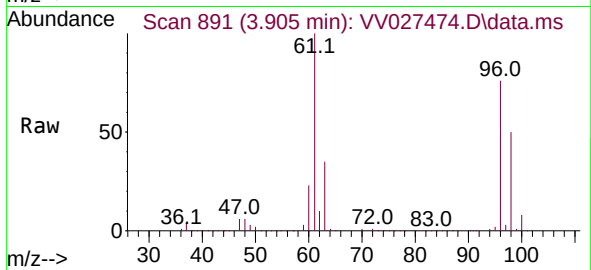
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 96 Resp:10509064

Ion	Ratio	Lower	Upper
96	100		
61	131.9	90.6	168.2
68	0.0	0.0	0.0



#25

Chloroform

Concen: 0.175 ug/L

RT: 4.368 min Scan# 1035

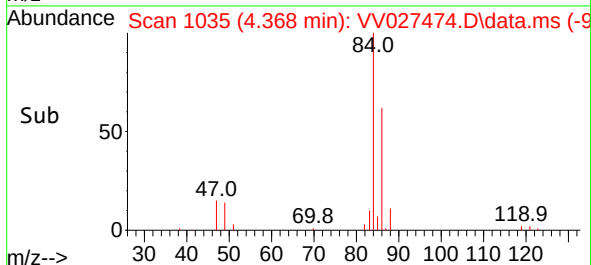
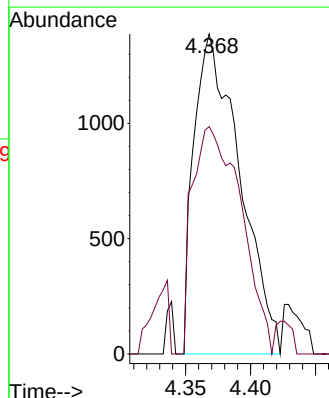
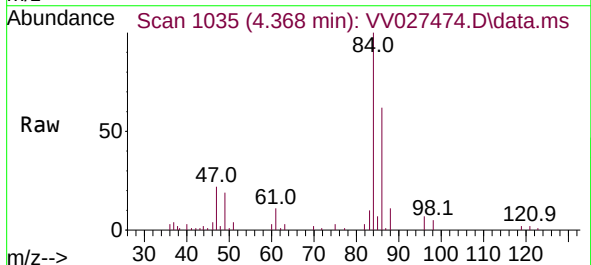
Delta R.T. -0.003 min

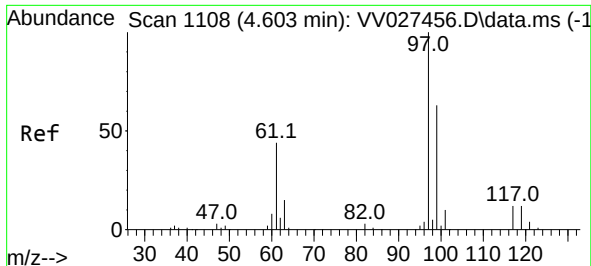
Lab File: VV027474.D

Acq: 22 Aug 2022 17:48

Tgt Ion: 83 Resp: 3397

Ion	Ratio	Lower	Upper
83	100		
85	71.0	43.3	80.5





#29

1,1,1-Trichloroethane

Concen: 0.428 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. 0.003 min

Lab File: VV027474.D

Acq: 22 Aug 2022 17:48

Instrument :

MSVOA_V

ClientSampleId :

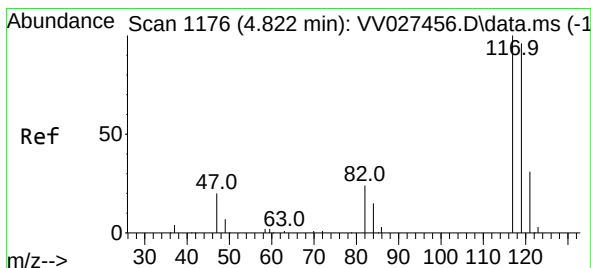
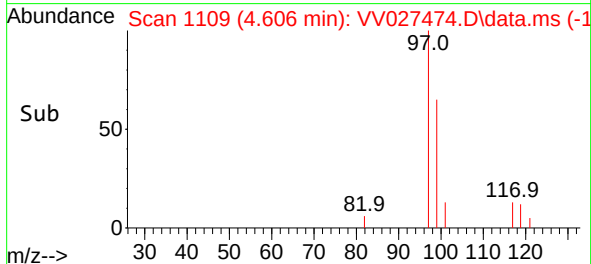
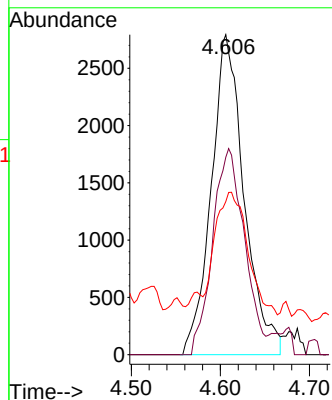
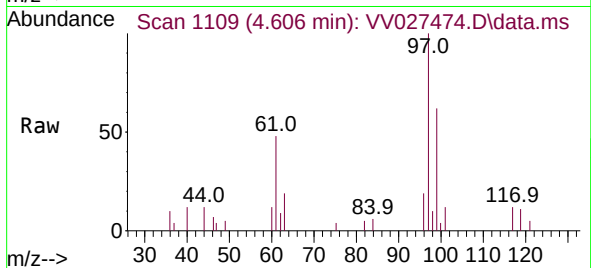
Tgt Ion: 97 Resp: 7173

Ion Ratio Lower Upper

97 100

99 62.3 51.1 76.7

61 37.7 35.9 53.9



#31

Carbon tetrachloride

Concen: 0.053 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. -0.216 min

Lab File: VV027474.D

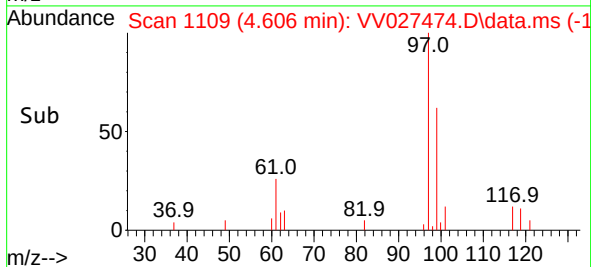
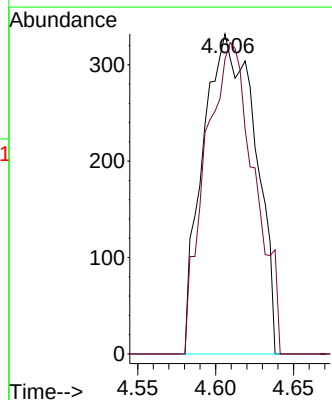
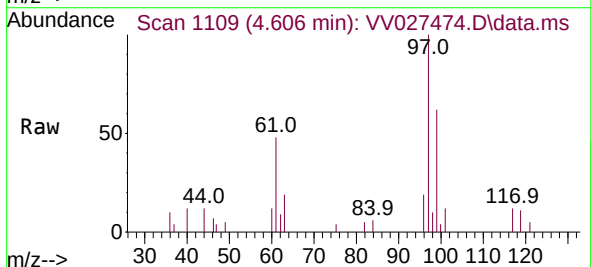
Acq: 22 Aug 2022 17:48

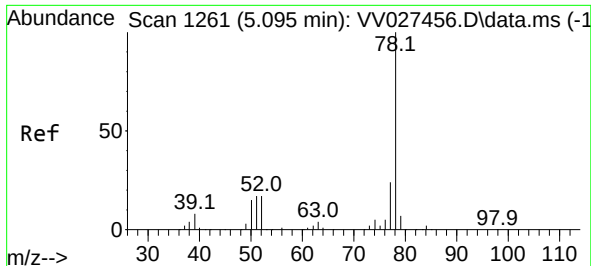
Tgt Ion: 117 Resp: 775

Ion Ratio Lower Upper

117 100

119 91.4 76.1 114.1

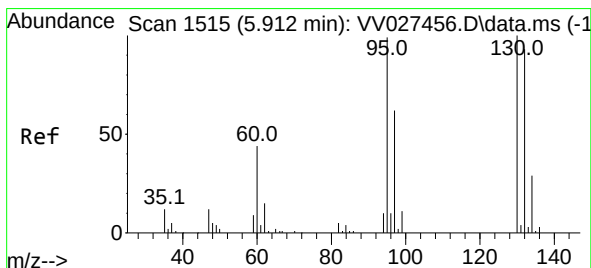
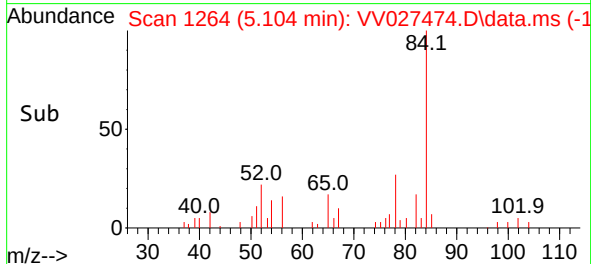
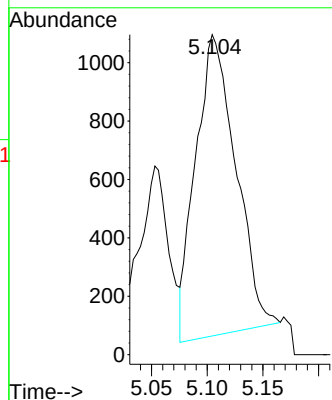
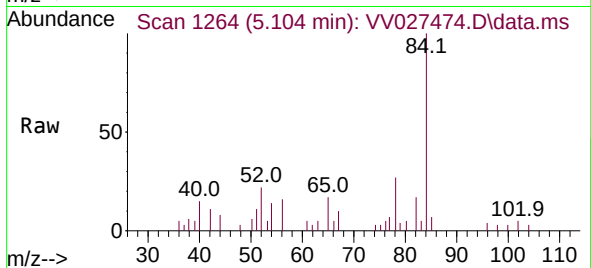




#33
Benzene
Concen: 0.071 ug/L
RT: 5.104 min Scan# 11
Delta R.T. 0.009 min
Lab File: VV027474.D
Acq: 22 Aug 2022 17:48

Instrument :
MSVOA_V
ClientSampleId :

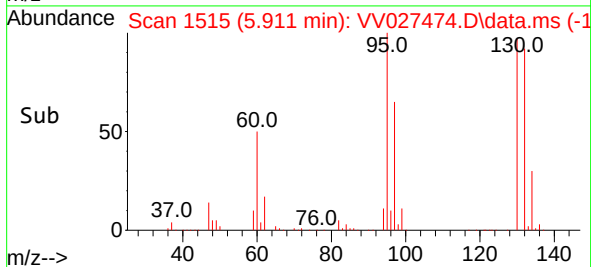
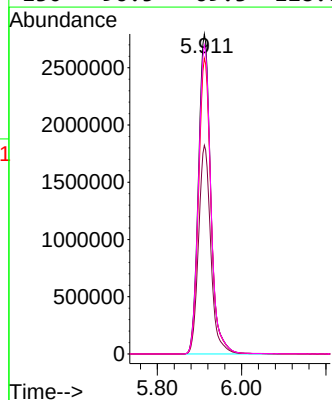
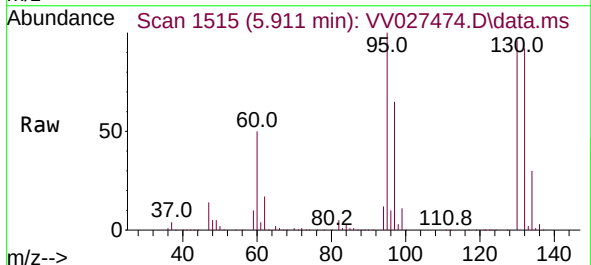
Tgt Ion: 78 Resp: 2583

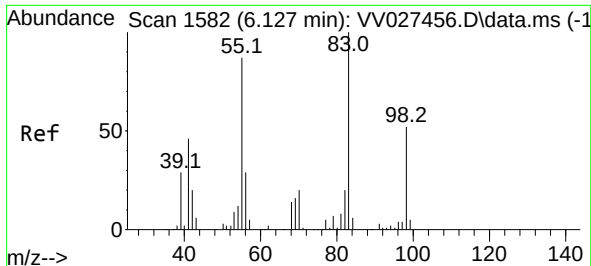


#34
Trichloroethene
Concen: 594.417 ug/L
RT: 5.911 min Scan# 1515
Delta R.T. -0.000 min
Lab File: VV027474.D
Acq: 22 Aug 2022 17:48

Tgt Ion: 95 Resp: 5676460

Ion	Ratio	Lower	Upper
95	100		
97	65.2	45.0	83.6
132	92.3	65.7	121.9
130	96.5	69.3	128.7

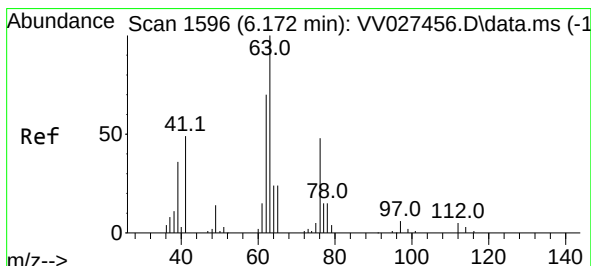
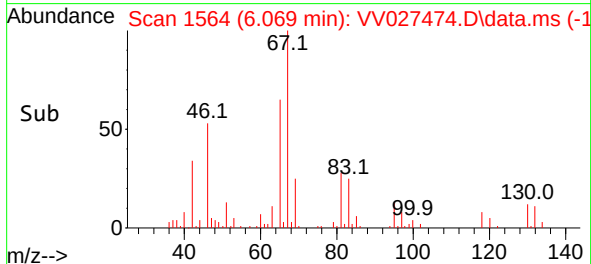
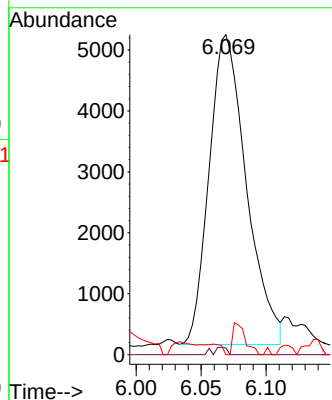
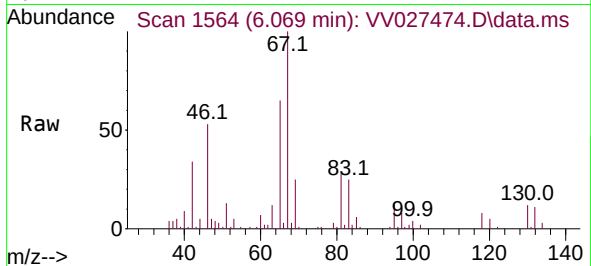




#35
Methylcyclohexane
Concen: 0.754 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.058 min
Lab File: VV027474.D
Acq: 22 Aug 2022 17:48

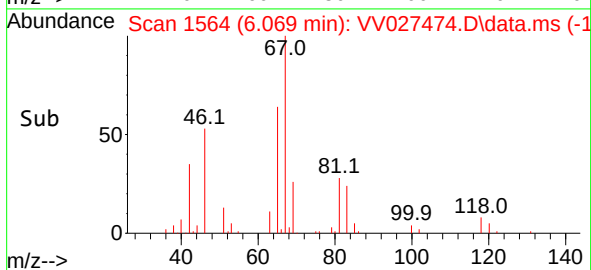
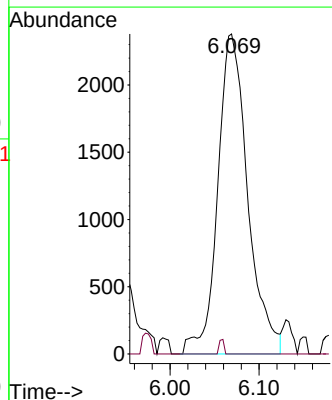
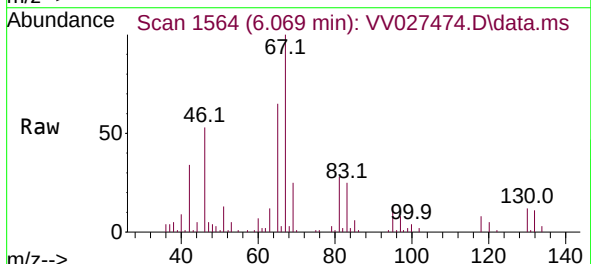
Instrument :
MSVOA_V
ClientSampleId :

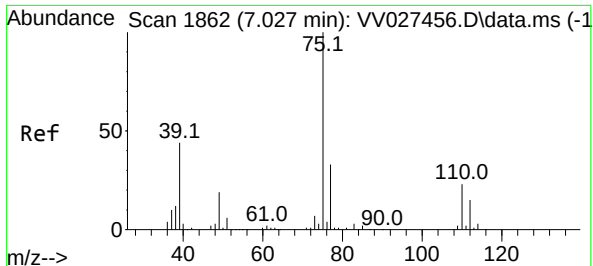
Tgt Ion: 83 Resp: 10128
Ion Ratio Lower Upper
83 100
55 0.9 68.2 102.4#
98 0.0 39.0 58.4#



#37
1,2-Dichloropropane
Concen: 0.576 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.103 min
Lab File: VV027474.D
Acq: 22 Aug 2022 17:48

Tgt Ion: 63 Resp: 5569
Ion Ratio Lower Upper
63 100
112 0.7 3.9 5.9#





#39

cis-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 6.989 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV027474.D

Acq: 22 Aug 2022 17:48

Instrument :

MSVOA_V

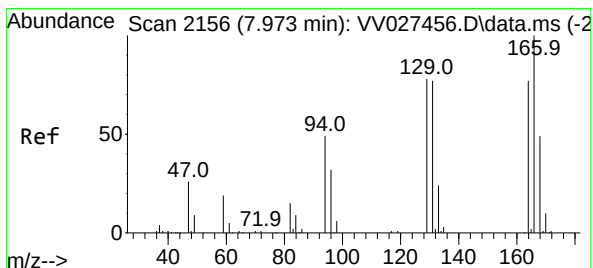
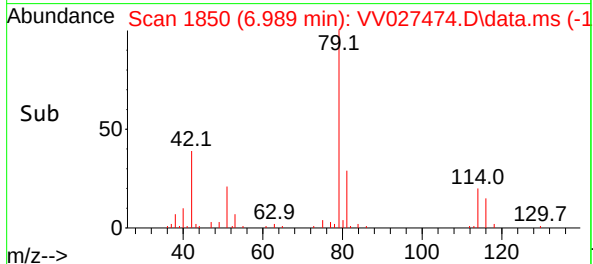
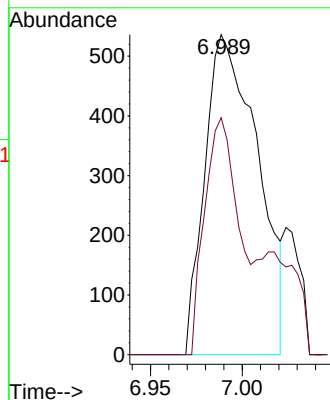
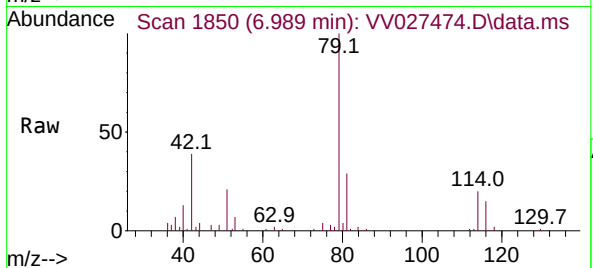
ClientSampleId :

Tgt Ion: 75 Resp: 1073

Ion Ratio Lower Upper

75 100

77 74.1 22.9 42.5#



#47

Tetrachloroethene

Concen: 0.308 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.006 min

Lab File: VV027474.D

Acq: 22 Aug 2022 17:48

Tgt Ion: 164 Resp: 2288

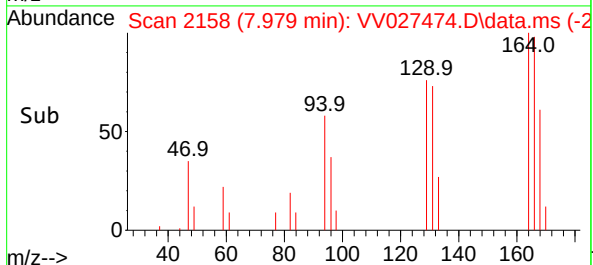
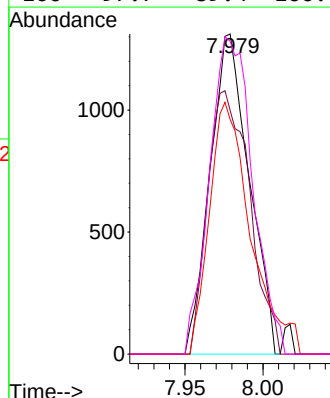
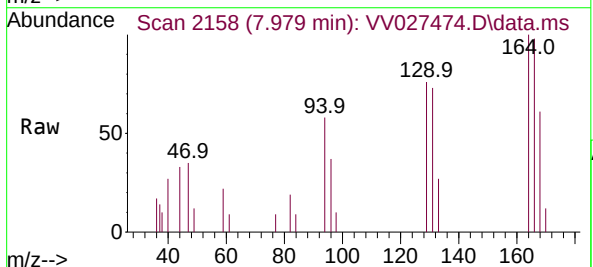
Ion Ratio Lower Upper

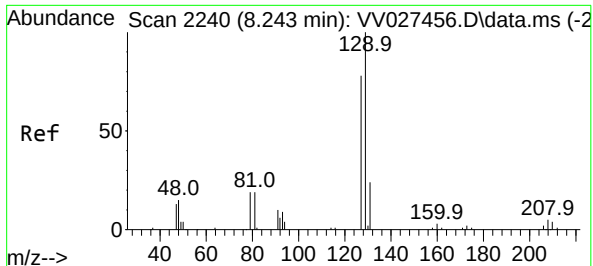
164 100

129 76.1 71.1 132.1

131 73.3 64.5 119.9

166 97.7 89.4 166.0

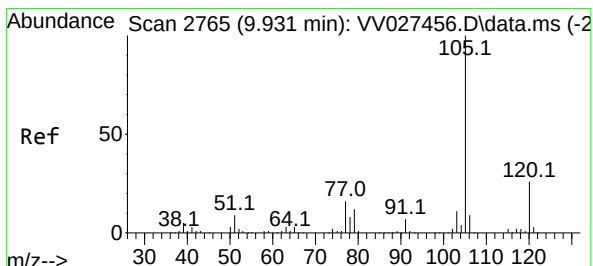
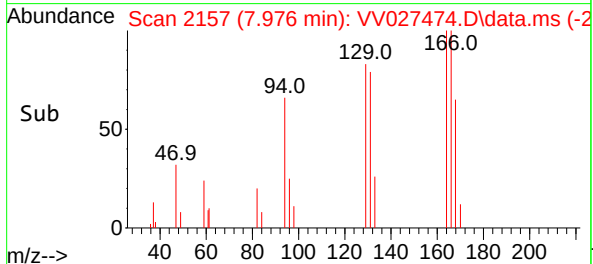
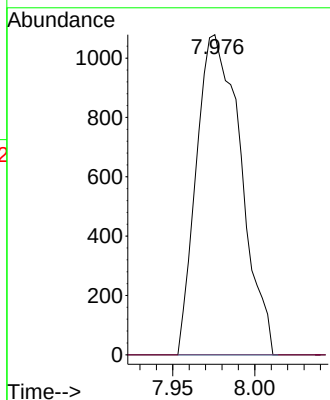
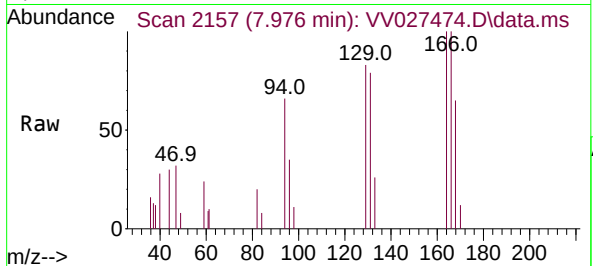




#49
Dibromochloromethane
Concen: 0.266 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.267 min
Lab File: VV027474.D
Acq: 22 Aug 2022 17:48

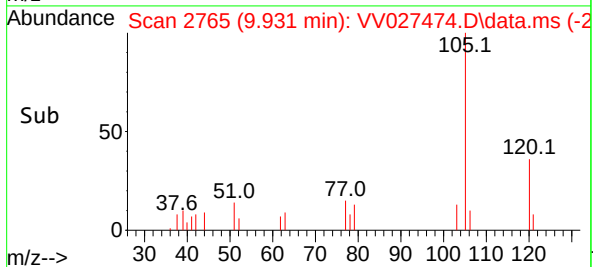
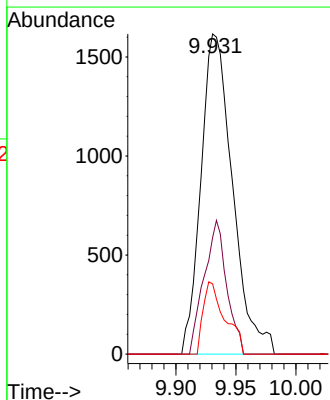
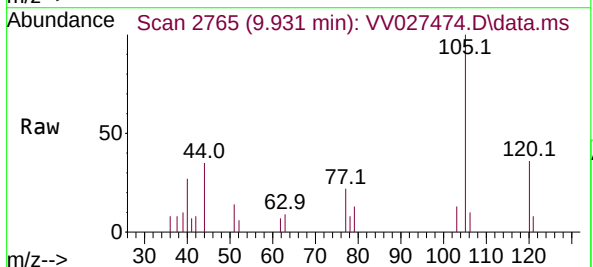
Instrument :
MSVOA_V
ClientSampleId :

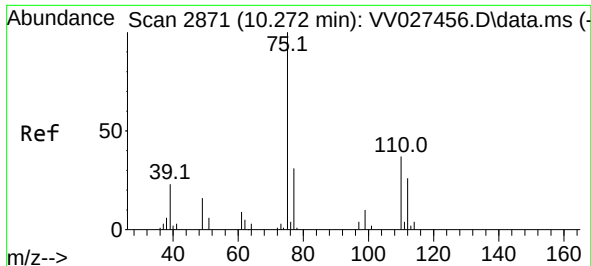
Tgt Ion:129 Resp: 2023
Ion Ratio Lower Upper
129 100
127 0.0 55.9 103.7#



#60
Isopropylbenzene
Concen: 0.096 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. -0.000 min
Lab File: VV027474.D
Acq: 22 Aug 2022 17:48

Tgt Ion:105 Resp: 2965
Ion Ratio Lower Upper
105 100
120 29.8 20.9 31.3
77 15.5 13.0 19.6





#61

1,2,3-Trichloropropane

Concen: 1.372 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.977 min

Lab File: VV027474.D

Acq: 22 Aug 2022 17:48

Instrument :

MSVOA_V

ClientSampleId :

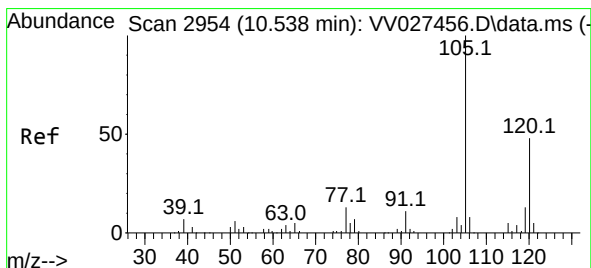
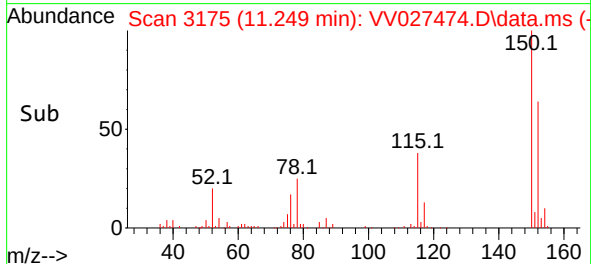
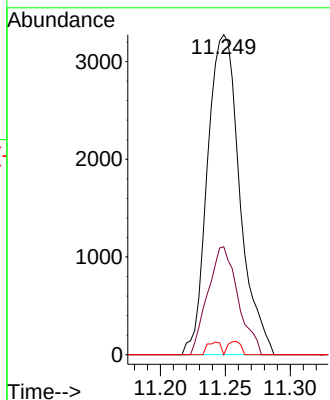
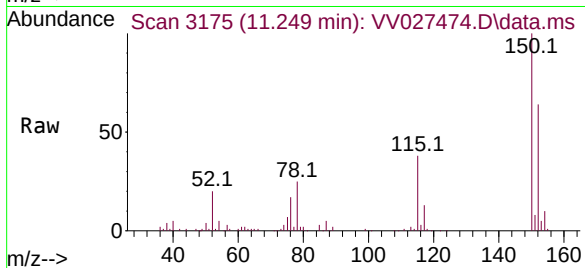
Tgt Ion: 75 Resp: 5664

Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.2

110 1.6 29.9 44.9#



#62

1,3,5-Trimethylbenzene

Concen: 0.039 ug/L

RT: 10.927 min Scan# 3075

Delta R.T. 0.389 min

Lab File: VV027474.D

Acq: 22 Aug 2022 17:48

Tgt Ion: 105 Resp: 334

Ion Ratio Lower Upper

105 100

120 41.6 38.7 58.1

