

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061722\
 Data File : VW026381.D
 Acq On : 17 Jun 2022 15:01
 Operator : SY/MD
 Sample : N3318-20
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 18 00:04:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR061522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jun 18 00:00:00 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.629	114	180948	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	175983	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	73435	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.323	65	52588	3.346	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.000%
7) Chloroethane-d5	1.584	69	49162	3.978	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.600%
11) 1,1-Dichloroethene-d2	2.124	63	81368	3.015	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.200%
20) 2-Butanone-d5	3.925	46	79642	51.932	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.860%
24) Chloroform-d	4.365	84	111914	4.858	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
26) 1,2-Dichloroethane-d4	5.047	65	46324	4.753	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
32) Benzene-d6	5.063	84	202673	4.308	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.200%
36) 1,2-Dichloropropane-d6	6.079	67	64783	4.718	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.400%
41) Toluene-d8	7.320	98	162395	3.785	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.800%
43) trans-1,3-Dichloroprop...	7.632	79	13975	3.139	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	62.800%
46) 2-Hexanone-d5	8.095	63	58927	43.810	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.620%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	42371	5.009	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	54393	4.809	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.256	50	1530	0.102	ug/L #	73
5) Vinyl chloride	1.327	62	11085	0.710	ug/L #	1
8) Chloroethane	1.532	64	174547	18.001	ug/L #	49
12) 1,1-Dichloroethene	2.134	96	3310	0.290	ug/L #	1
14) Carbon disulfide	2.310	76	2503	0.089	ug/L #	87
17) Methyl tert-butyl Ether	2.790	73	1287	0.065	ug/L #	89
18) trans-1,2-Dichloroethene	2.786	96	474	0.043	ug/L	85
19) 1,1-Dichloroethane	3.211	63	18267	0.864	ug/L	99
22) cis-1,2-Dichloroethene	3.937	96	5649	0.504	ug/L	88
25) Chloroform	4.394	83	5552	0.242	ug/L	93
27) 1,2-Dichloroethane	5.063	62	999	0.096	ug/L #	59
29) 1,1,1-Trichloroethane	4.629	97	6471	0.333	ug/L	94
31) Carbon tetrachloride	4.635	117	558	0.034	ug/L #	71
34) Trichloroethene	5.924	95	53233	4.322	ug/L	98
35) Methylcyclohexane	6.079	83	16274	0.955	ug/L #	19
37) 1,2-Dichloropropane	6.076	63	7193	0.610	ug/L #	88
39) cis-1,3-Dichloropropene	6.992	75	1085	0.081	ug/L #	77
47) Tetrachloroethene	7.979	164	7916	0.868	ug/L	94
49) Dibromochloromethane	7.982	129	7977	0.930	ug/L #	9

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Misc : 25mL/MSVOA_V/WATER
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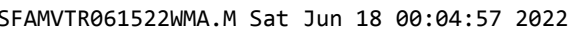
Instrument :
MSVOA_V
ClientSampleId :

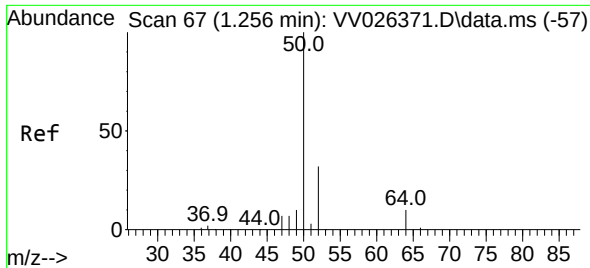
Quant Time: Jun 18 00:04:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR061522WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jun 18 00:00:00 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	10.458	105	1682	0.043	ug/L #	83
61) 1,2,3-Trichloropropane	11.249	75	8254	1.732	ug/L #	67
71) Naphthalene	13.516	128	836	0.059	ug/L #	76

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

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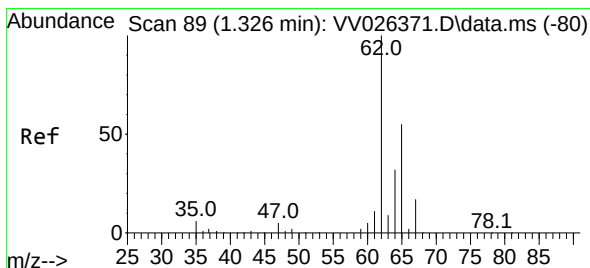
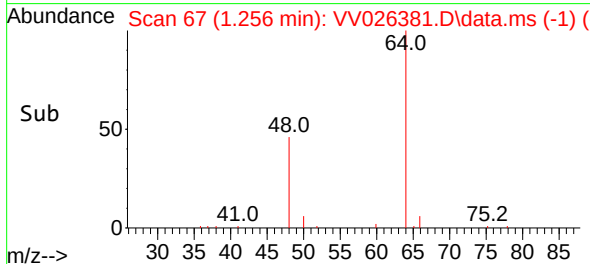
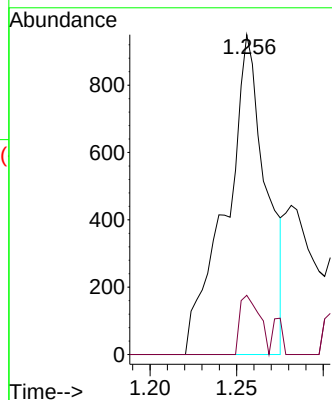
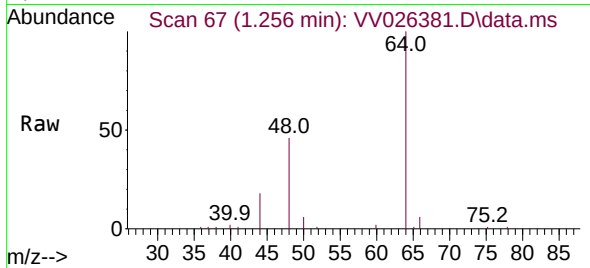




#3
Chloromethane
Concen: 0.102 ug/L
RT: 1.256 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV026381.D
Acq: 17 Jun 2022 15:01

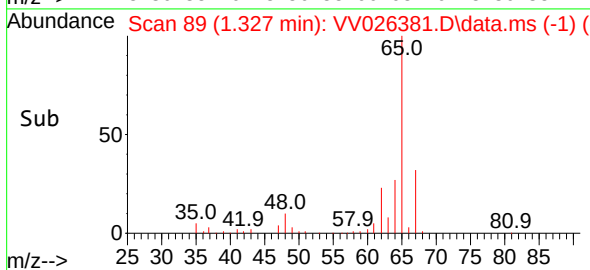
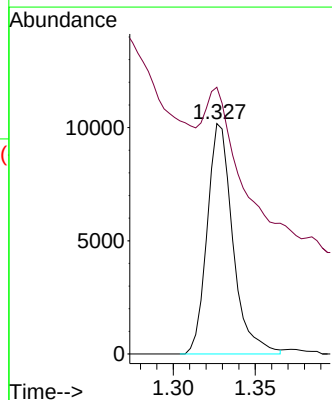
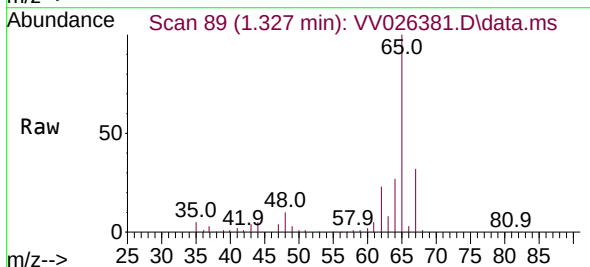
Instrument :
MSVOA_V
ClientSampleId :

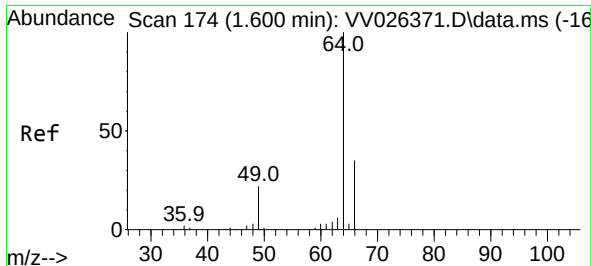
Tgt Ion: 50 Resp: 1530
Ion Ratio Lower Upper
50 100
52 18.5 23.7 44.1#



#5
Vinyl chloride
Concen: 0.710 ug/L
RT: 1.327 min Scan# 89
Delta R.T. 0.000 min
Lab File: VV026381.D
Acq: 17 Jun 2022 15:01

Tgt Ion: 62 Resp: 11085
Ion Ratio Lower Upper
62 100
64 115.8 23.2 43.2#

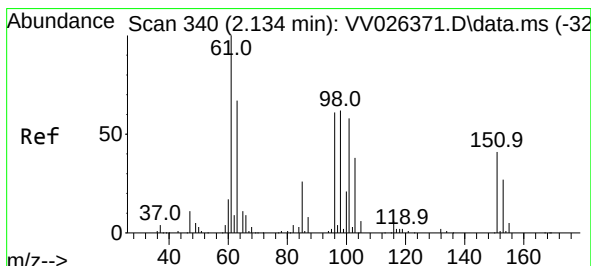
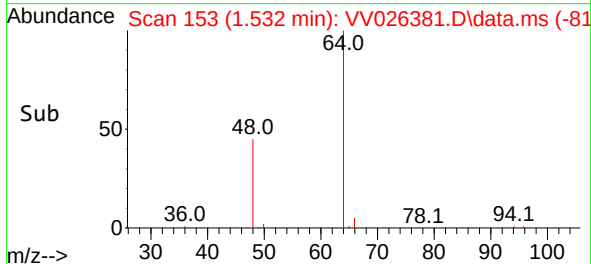
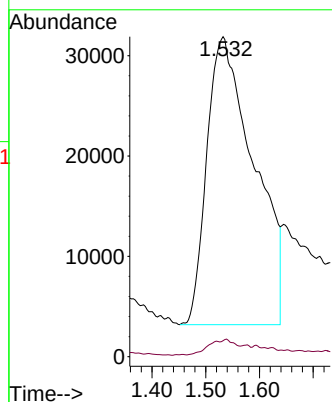
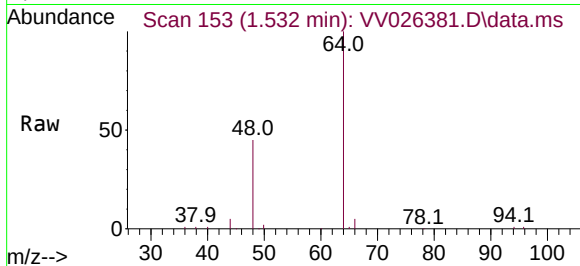




#8
Chloroethane
Concen: 18.001 ug/L
RT: 1.532 min Scan# 11
Delta R.T. -0.067 min
Lab File: VV026381.D
Acq: 17 Jun 2022 15:01

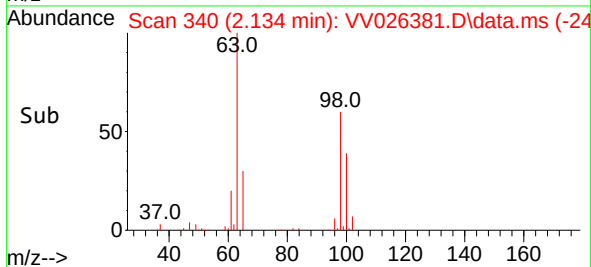
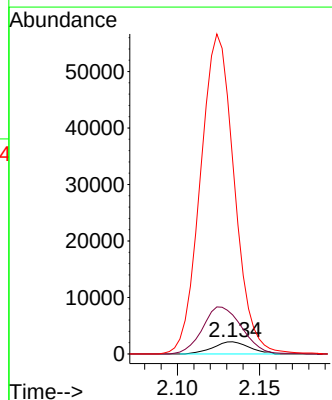
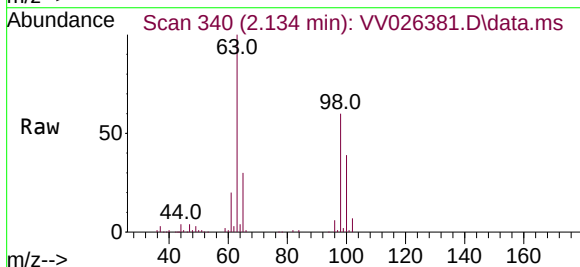
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ClientSampleId :

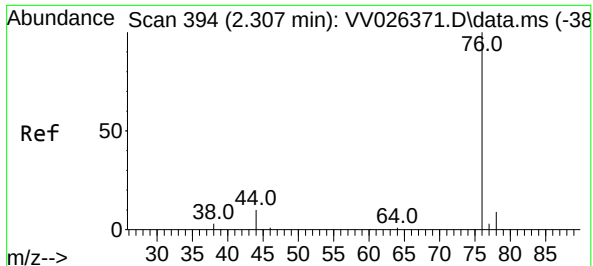
Tgt Ion: 64 Resp: 174547
Ion Ratio Lower Upper
64 100
66 5.0 24.1 44.7#



#12
1,1-Dichloroethene
Concen: 0.290 ug/L
RT: 2.134 min Scan# 340
Delta R.T. 0.000 min
Lab File: VV026381.D
Acq: 17 Jun 2022 15:01

Tgt Ion: 96 Resp: 3310
Ion Ratio Lower Upper
96 100
61 322.6 117.1 217.5#
63 1597.8 92.8 172.4#

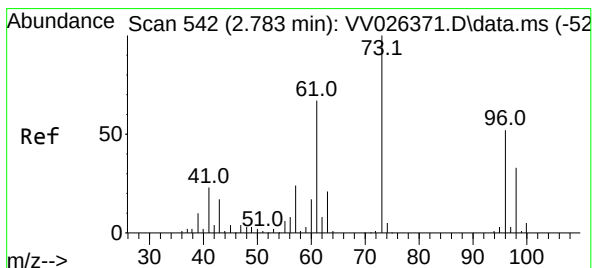
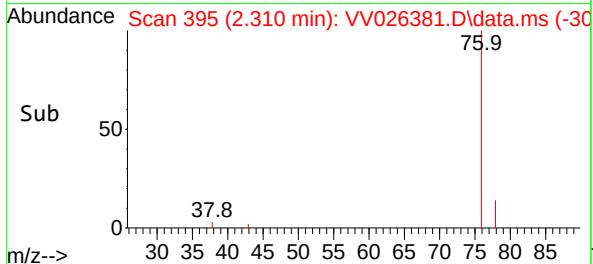
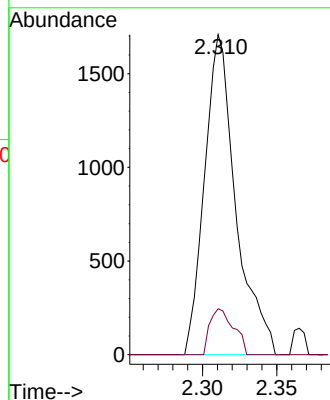
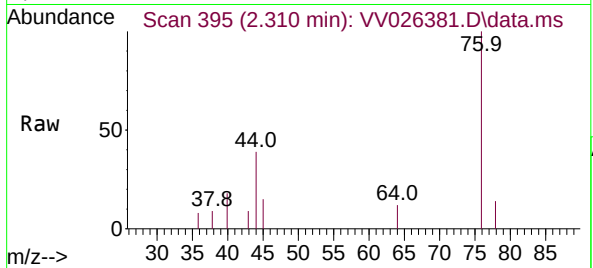




#14
Carbon disulfide
Concen: 0.089 ug/L
RT: 2.310 min Scan# 394
Delta R.T. 0.003 min
Lab File: VV026381.D
Acq: 17 Jun 2022 15:01

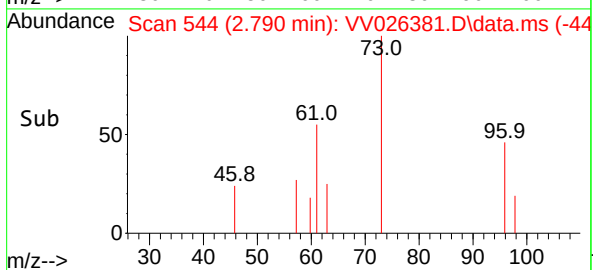
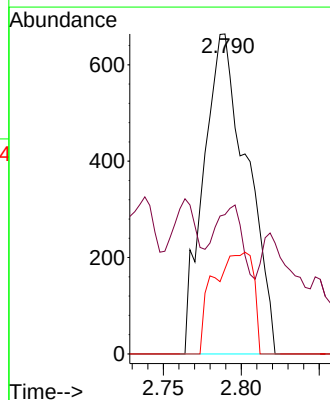
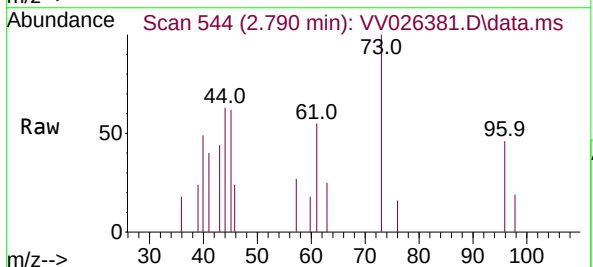
Instrument :
MSVOA_V
ClientSampleId :

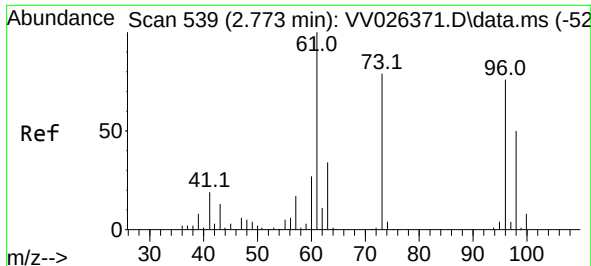
Tgt Ion: 76 Resp: 2503
Ion Ratio Lower Upper
76 100
78 14.3 7.7 11.5#



#17
Methyl tert-butyl Ether
Concen: 0.065 ug/L
RT: 2.790 min Scan# 544
Delta R.T. 0.007 min
Lab File: VV026381.D
Acq: 17 Jun 2022 15:01

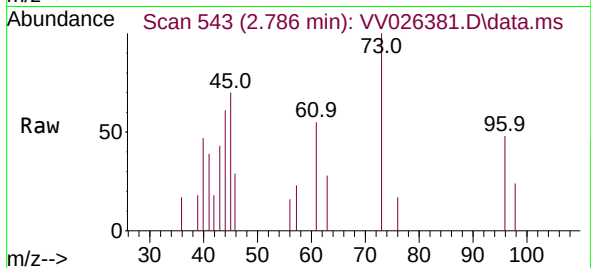
Tgt Ion: 73 Resp: 1287
Ion Ratio Lower Upper
73 100
43 13.8 13.0 19.6
57 29.2 17.6 26.4#





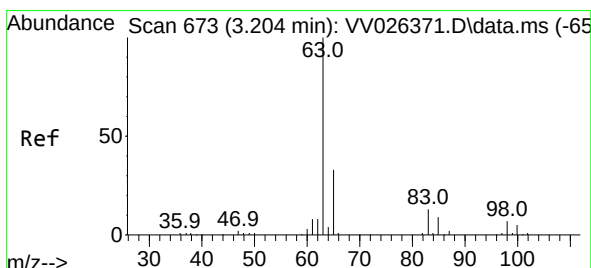
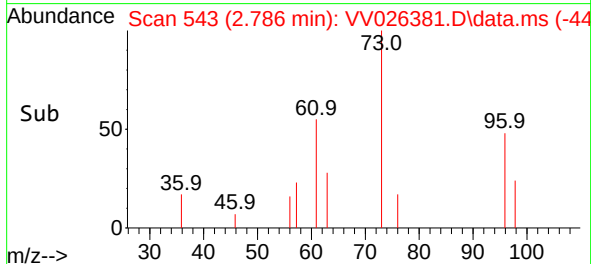
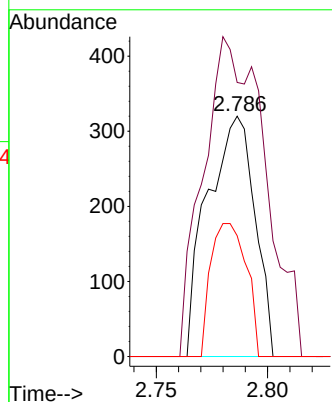
#18
 trans-1,2-Dichloroethene
 Concen: 0.043 ug/L
 RT: 2.786 min Scan# 541
 Delta R.T. 0.013 min
 Lab File: VV026381.D
 Acq: 17 Jun 2022 15:01

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 474

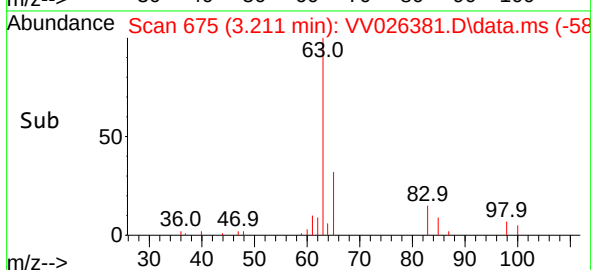
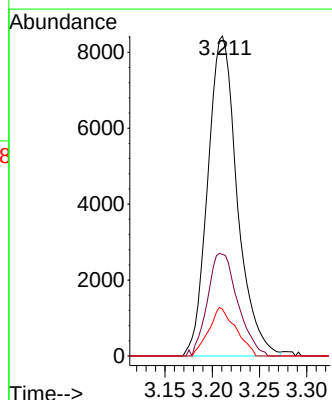
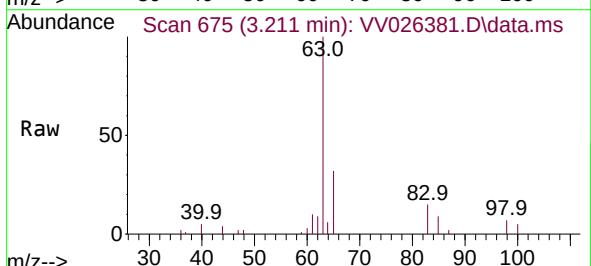
Ion	Ratio	Lower	Upper
96	100		
61	114.1	91.3	169.6
98	50.3	45.3	84.1

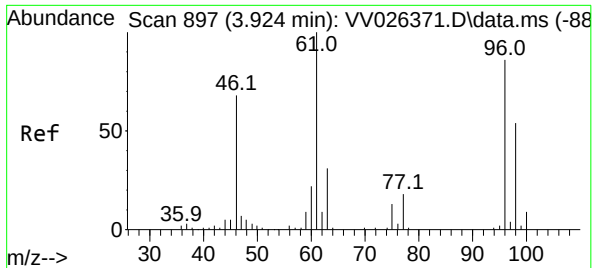


#19
 1,1-Dichloroethane
 Concen: 0.864 ug/L
 RT: 3.211 min Scan# 675
 Delta R.T. 0.007 min
 Lab File: VV026381.D
 Acq: 17 Jun 2022 15:01

Tgt Ion: 63 Resp: 18267

Ion	Ratio	Lower	Upper
63	100		
65	31.7	22.3	41.3
83	14.6	8.9	16.5





#22

cis-1,2-Dichloroethene

Concen: 0.504 ug/L

RT: 3.937 min Scan# 901

Delta R.T. 0.013 min

Lab File: VV026381.D

Acq: 17 Jun 2022 15:01

Instrument :

MSVOA_V

ClientSampleId :

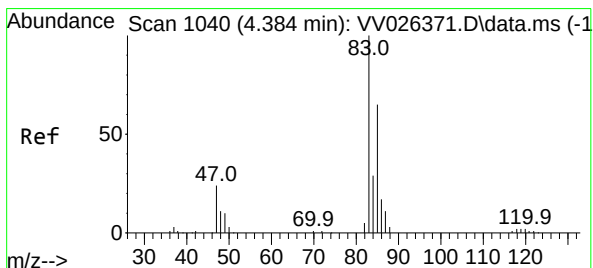
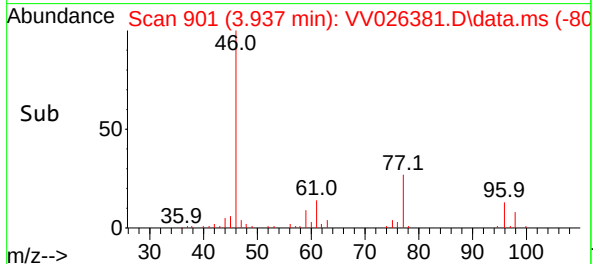
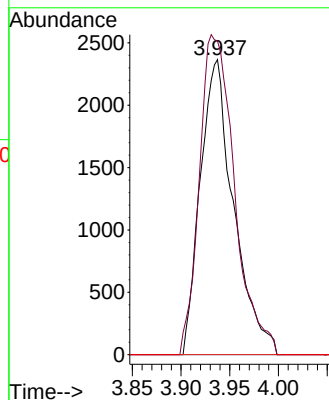
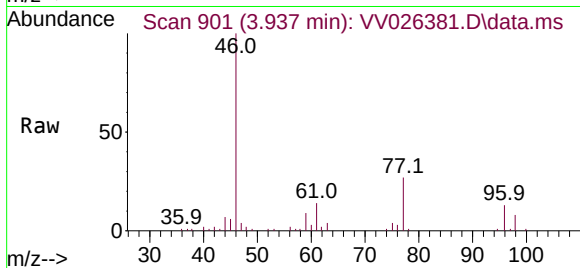
Tgt Ion: 96 Resp: 5649

Ion Ratio Lower Upper

96 100

61 106.3 83.6 155.2

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.242 ug/L

RT: 4.394 min Scan# 1043

Delta R.T. 0.010 min

Lab File: VV026381.D

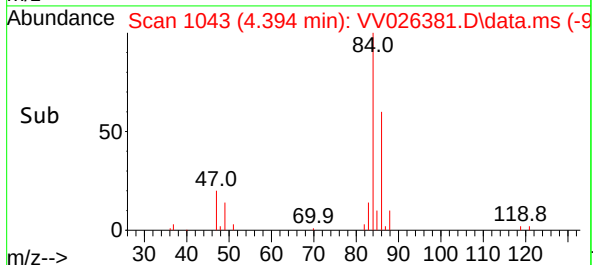
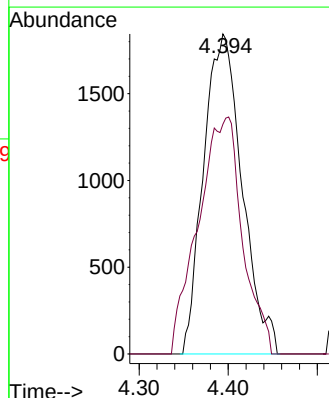
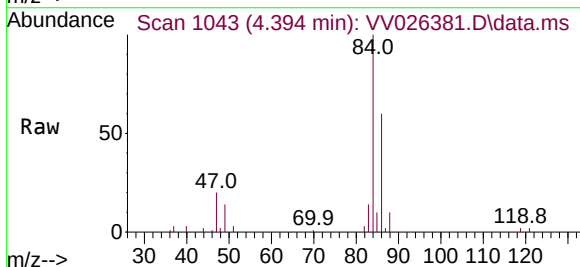
Acq: 17 Jun 2022 15:01

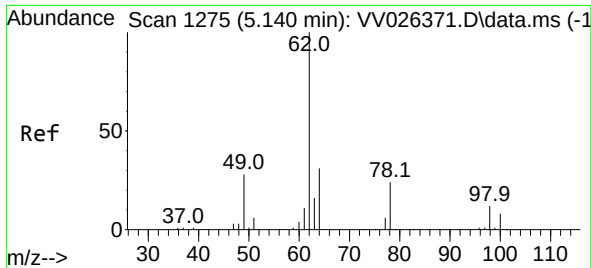
Tgt Ion: 83 Resp: 5552

Ion Ratio Lower Upper

83 100

85 71.8 46.5 86.3





#27

1,2-Dichloroethane

Concen: 0.096 ug/L

RT: 5.063 min Scan# 11

Delta R.T. -0.077 min

Lab File: VV026381.D

Acq: 17 Jun 2022 15:01

Instrument :

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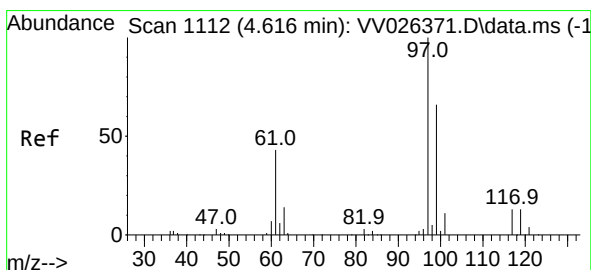
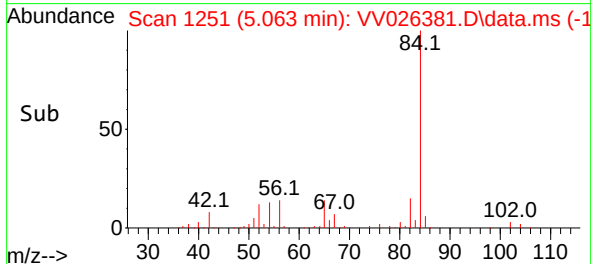
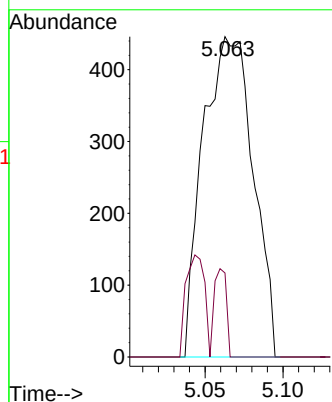
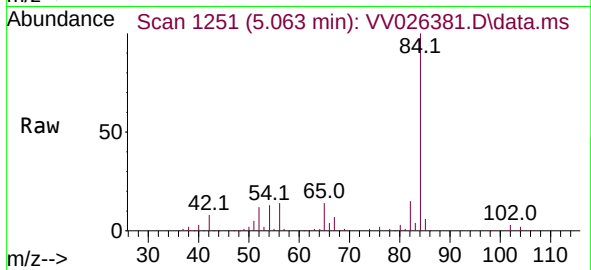
ClientSampleId :

Tgt Ion: 62 Resp: 999

Ion Ratio Lower Upper

62 100

98 26.2 8.6 13.0#



#29

1,1,1-Trichloroethane

Concen: 0.333 ug/L

RT: 4.629 min Scan# 1116

Delta R.T. 0.013 min

Lab File: VV026381.D

Acq: 17 Jun 2022 15:01

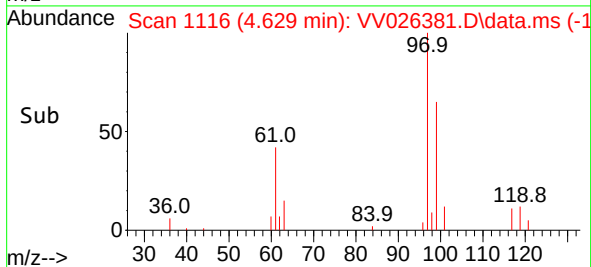
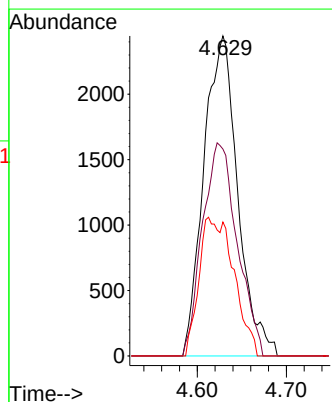
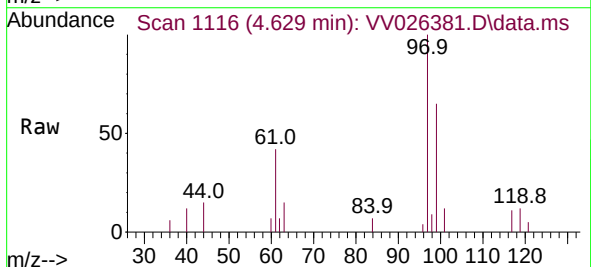
Tgt Ion: 97 Resp: 6471

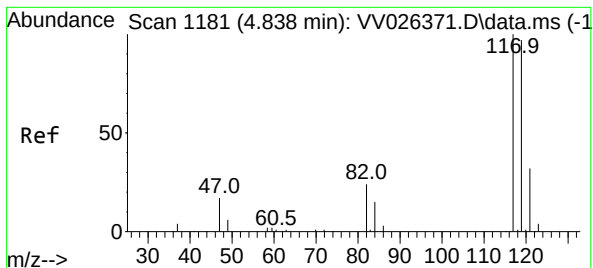
Ion Ratio Lower Upper

97 100

99 68.3 50.3 75.5

61 44.3 33.4 50.0





#31

Carbon tetrachloride

Concen: 0.034 ug/L

RT: 4.635 min Scan# 1118

Delta R.T. -0.202 min

Lab File: VV026381.D

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MSVOA_V

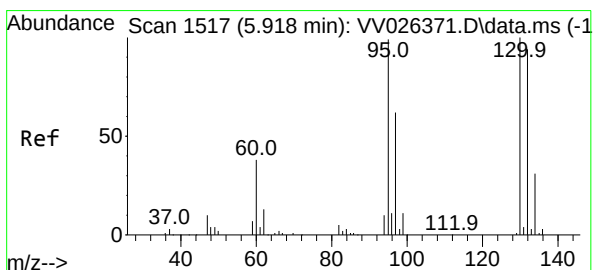
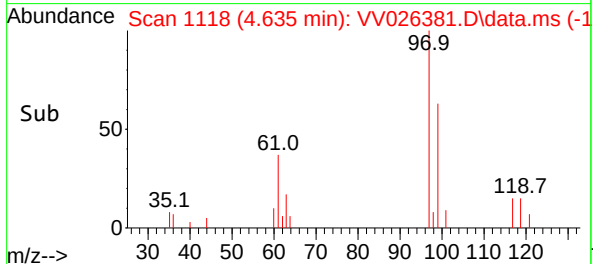
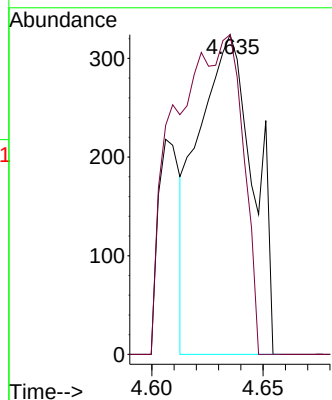
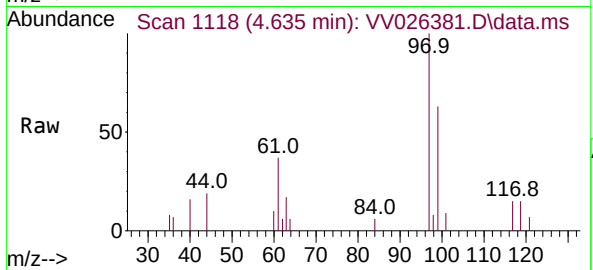
ClientSampleId :

Tgt Ion:117 Resp: 558

Ion Ratio Lower Upper

117 100

119 123.5 76.2 114.4#



#34

Trichloroethene

Concen: 4.322 ug/L

RT: 5.924 min Scan# 1519

Delta R.T. 0.007 min

Lab File: VV026381.D

Acq: 17 Jun 2022 15:01

Tgt Ion: 95 Resp: 53233

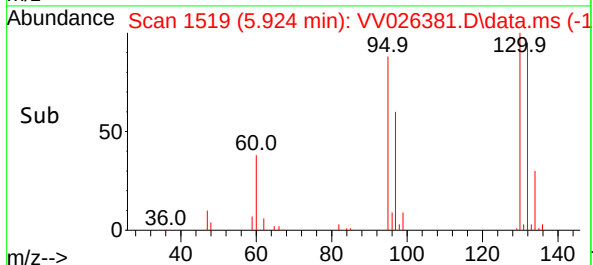
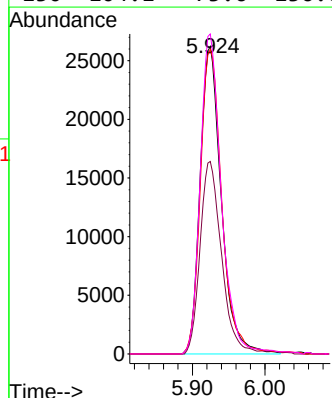
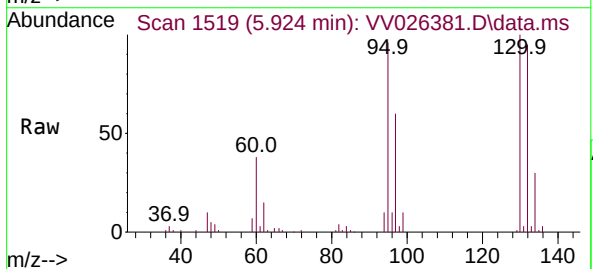
Ion Ratio Lower Upper

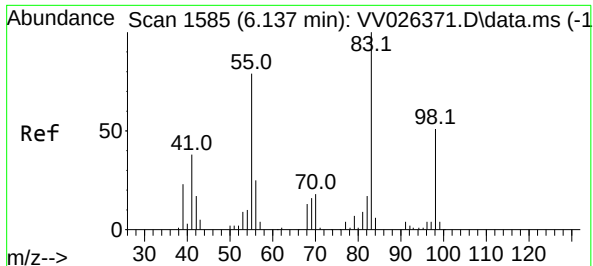
95 100

97 62.6 46.5 86.3

132 99.1 68.8 127.8

130 104.1 73.6 136.6





#35

Methylcyclohexane

Concen: 0.955 ug/L

RT: 6.079 min Scan# 1567

Delta R.T. -0.058 min

Lab File: VV026381.D

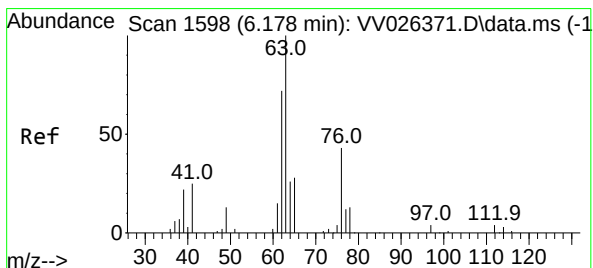
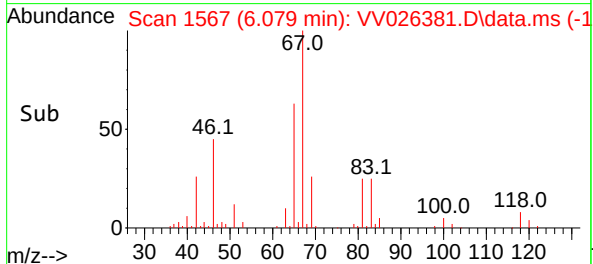
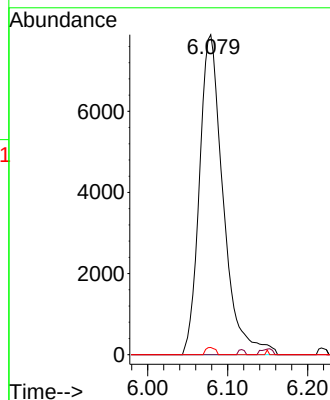
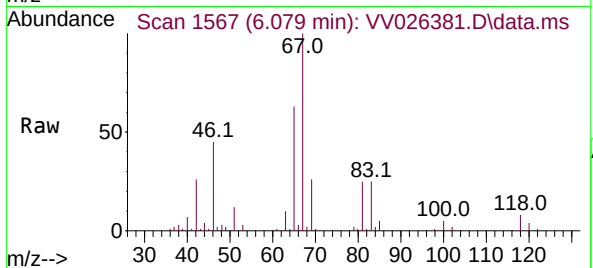
Acq: 17 Jun 2022 15:01

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 83	Resp: 16274
Ion Ratio	Lower Upper
83 100	
55 0.4	59.3 88.9#
98 0.9	39.9 59.9#



#37

1,2-Dichloropropane

Concen: 0.610 ug/L

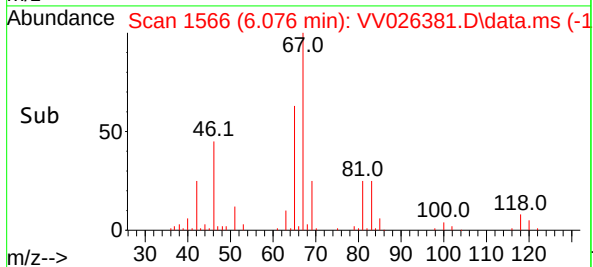
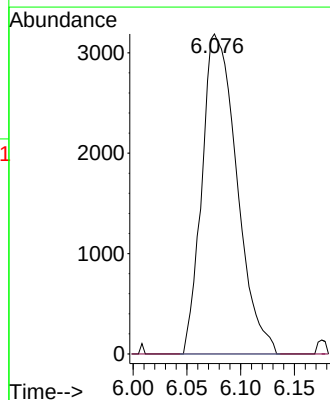
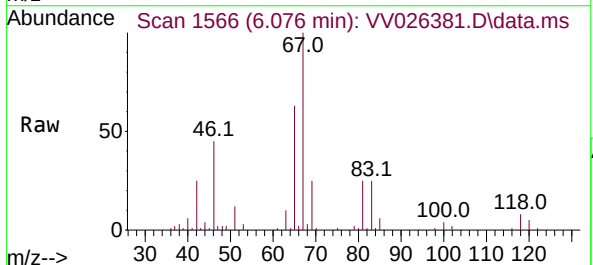
RT: 6.076 min Scan# 1566

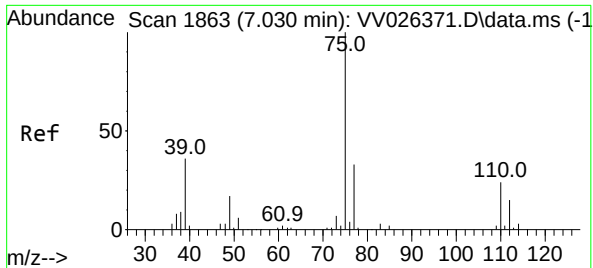
Delta R.T. -0.103 min

Lab File: VV026381.D

Acq: 17 Jun 2022 15:01

Tgt Ion: 63	Resp: 7193
Ion Ratio	Lower Upper
63 100	
112 0.3	3.3 4.9#

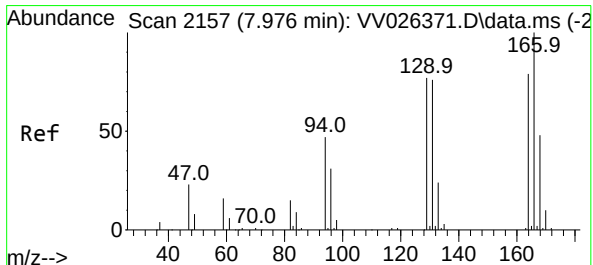
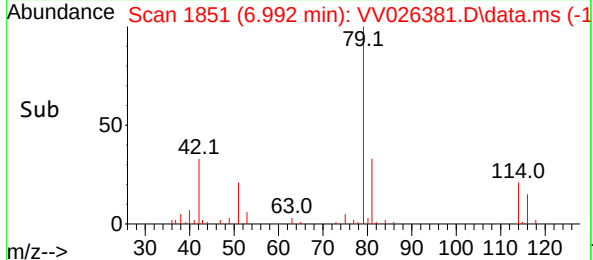
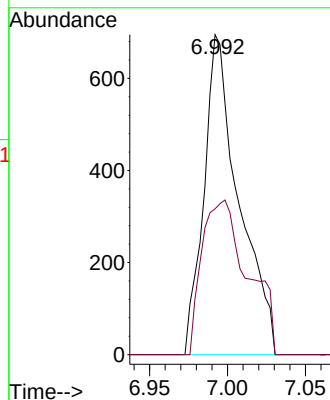
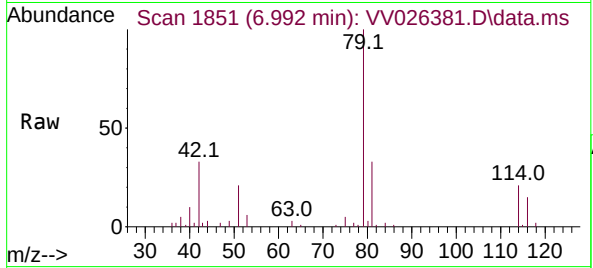




#39
cis-1,3-Dichloropropene
Concen: 0.081 ug/L
RT: 6.992 min Scan# 11
Delta R.T. -0.038 min
Lab File: VV026381.D
Acq: 17 Jun 2022 15:01

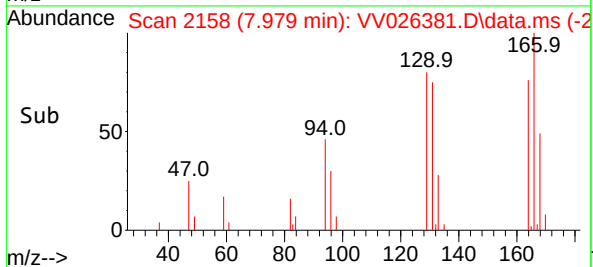
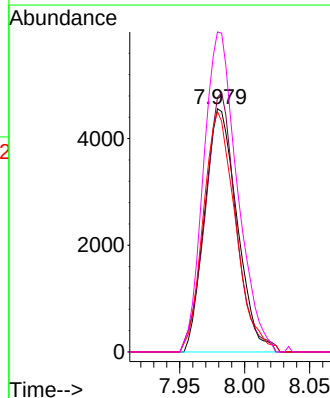
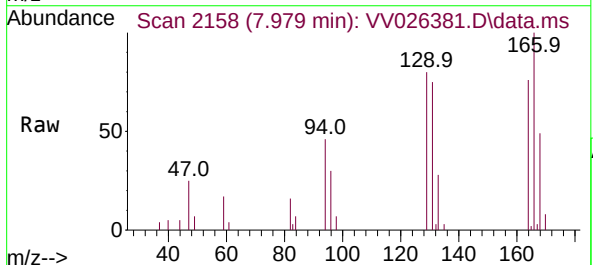
Instrument :
MSVOA_V
ClientSampleId :

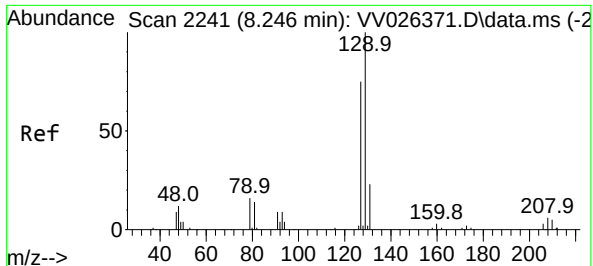
Tgt Ion: 75 Resp: 1085
Ion Ratio Lower Upper
75 100
77 45.6 23.0 42.6#



#47
Tetrachloroethene
Concen: 0.868 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.003 min
Lab File: VV026381.D
Acq: 17 Jun 2022 15:01

Tgt Ion:164 Resp: 7916
Ion Ratio Lower Upper
164 100
129 104.7 67.5 125.3
131 98.9 63.8 118.4
166 131.6 89.5 166.3





#49

Dibromochloromethane

Concen: 0.930 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. -0.264 min

Lab File: VV026381.D

Acq: 17 Jun 2022 15:01

Instrument :

MSVOA_V

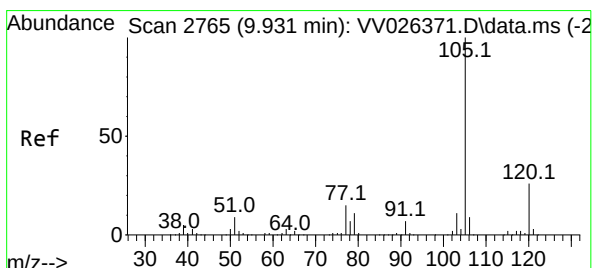
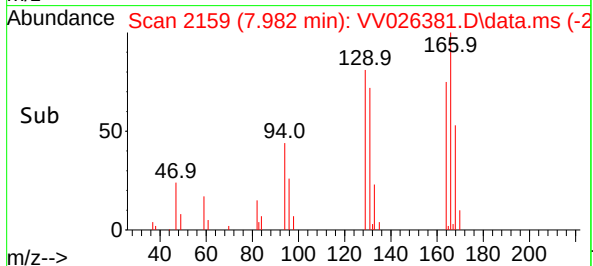
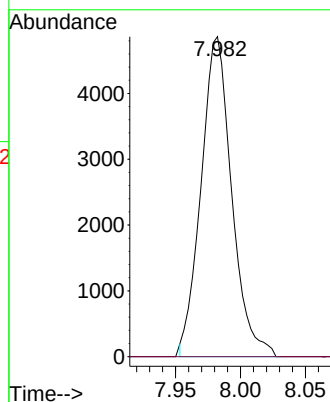
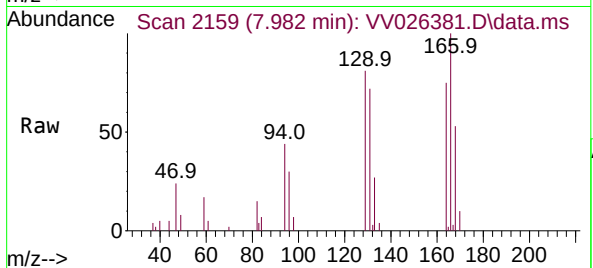
ClientSampleId :

Tgt Ion:129 Resp: 7977

Ion Ratio Lower Upper

129 100

127 0.0 56.4 104.7#



#60

Isopropylbenzene

Concen: 0.043 ug/L

RT: 10.458 min Scan# 2929

Delta R.T. 0.527 min

Lab File: VV026381.D

Acq: 17 Jun 2022 15:01

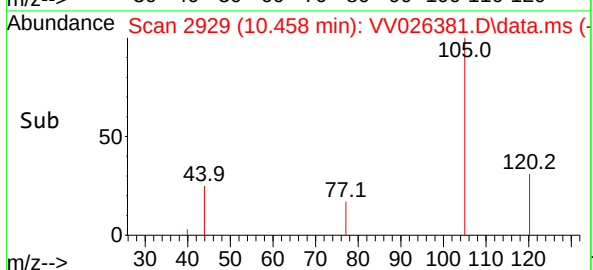
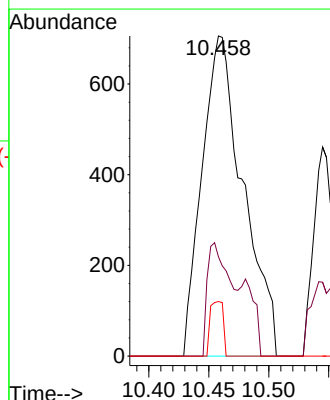
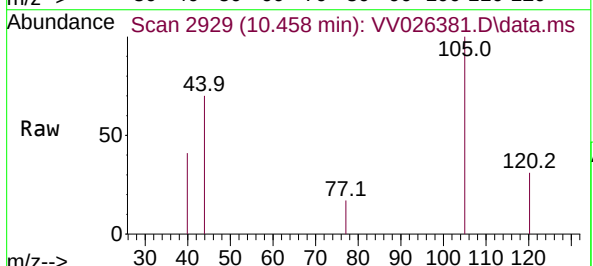
Tgt Ion:105 Resp: 1682

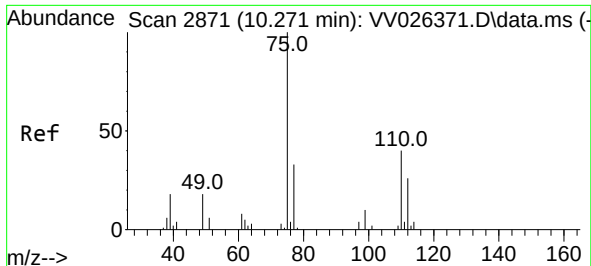
Ion Ratio Lower Upper

105 100

120 19.8 21.5 32.3#

77 5.4 12.2 18.4#

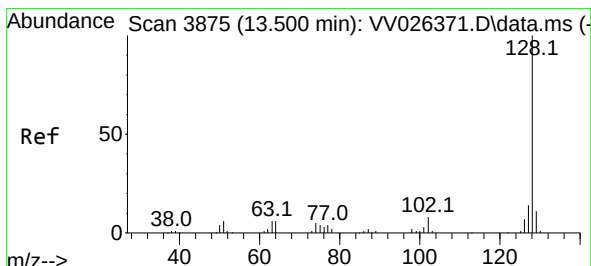
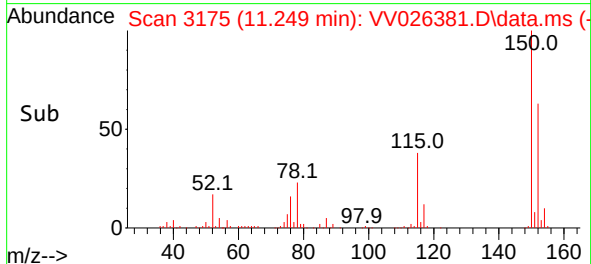
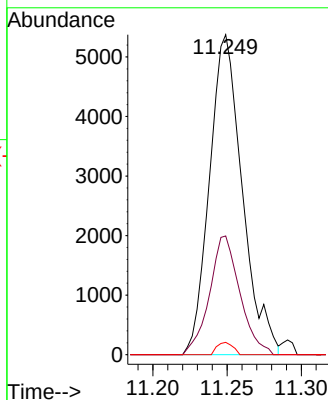
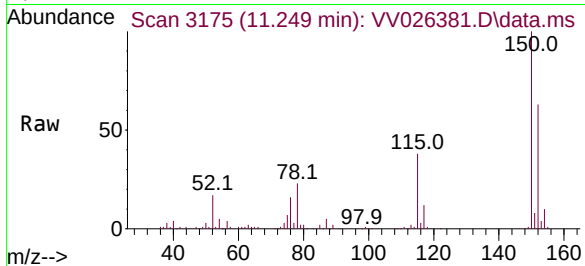




#61
1,2,3-Trichloropropane
Concen: 1.732 ug/L
RT: 11.249 min Scan# 3115
Delta R.T. 0.978 min
Lab File: VV026381.D
Acq: 17 Jun 2022 15:01

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 8254
Ion Ratio Lower Upper
75 100
77 34.4 26.9 40.3
110 1.9 30.7 46.1#



#71
Naphthalene
Concen: 0.059 ug/L
RT: 13.516 min Scan# 3880
Delta R.T. 0.016 min
Lab File: VV026381.D
Acq: 17 Jun 2022 15:01

Tgt Ion:128 Resp: 836
Ion Ratio Lower Upper
128 100
129 0.0 8.7 13.1#
127 5.6 10.6 16.0#

