

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062022\
 Data File : VW026470.D
 Acq On : 21 Jun 2022 00:59
 Operator : SY/MD
 Sample : N3345-07
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 21 05:42:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR061522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jun 21 05:26:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.625	114	193434	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	177154	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	74480	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.323	65	65698	3.910	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.200%
7) Chloroethane-d5	1.584	69	55223	4.180	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.600%
11) 1,1-Dichloroethene-d2	2.127	63	117160	4.061	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.200%
20) 2-Butanone-d5	3.918	46	102915	62.776	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.560%
24) Chloroform-d	4.362	84	117224	4.760	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
26) 1,2-Dichloroethane-d4	5.047	65	48403	4.646	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
32) Benzene-d6	5.063	84	235169	4.965	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.400%
36) 1,2-Dichloropropane-d6	6.079	67	73438	5.313	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.200%
41) Toluene-d8	7.320	98	198137	4.588	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.800%
43) trans-1,3-Dichloroprop...	7.629	79	16366	3.651	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.000%
46) 2-Hexanone-d5	8.092	63	81196	59.968	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.940%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	44045	5.172	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.400%
66) 1,2-Dichlorobenzene-d4	11.622	152	62461	5.444	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.259	50	1879	0.117	ug/L	94
5) Vinyl chloride	1.330	62	270714	16.213	ug/L	97
6) Bromomethane	1.542	94	705	0.076	ug/L	97
8) Chloroethane	1.616	64	9908	0.956	ug/L #	51
12) 1,1-Dichloroethene	2.137	96	49857	4.080	ug/L	96
14) Carbon disulfide	2.314	76	7087	0.235	ug/L	100
15) Methyl Acetate	2.452	43	2035	0.668	ug/L #	48
17) Methyl tert-butyl Ether	2.790	73	177329	8.439	ug/L	96
18) trans-1,2-Dichloroethene	2.777	96	164687	13.895	ug/L	98
19) 1,1-Dichloroethane	3.208	63	85600	3.787	ug/L	98
22) cis-1,2-Dichloroethene	3.925	96	6401450	533.827	ug/L	99
25) Chloroform	4.394	83	10131	0.413	ug/L	98
27) 1,2-Dichloroethane	5.162	62	654	0.059	ug/L #	71
29) 1,1,1-Trichloroethane	4.622	97	1820	0.093	ug/L #	86
30) Cyclohexane	4.683	56	1135	0.078	ug/L #	15
33) Benzene	5.114	78	71511	1.575	ug/L	100
34) Trichloroethene	5.921	95	4116933	332.019	ug/L	97
35) Methylcyclohexane	6.079	83	17595	1.026	ug/L #	19
37) 1,2-Dichloropropane	6.182	63	69875	5.882	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062022\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

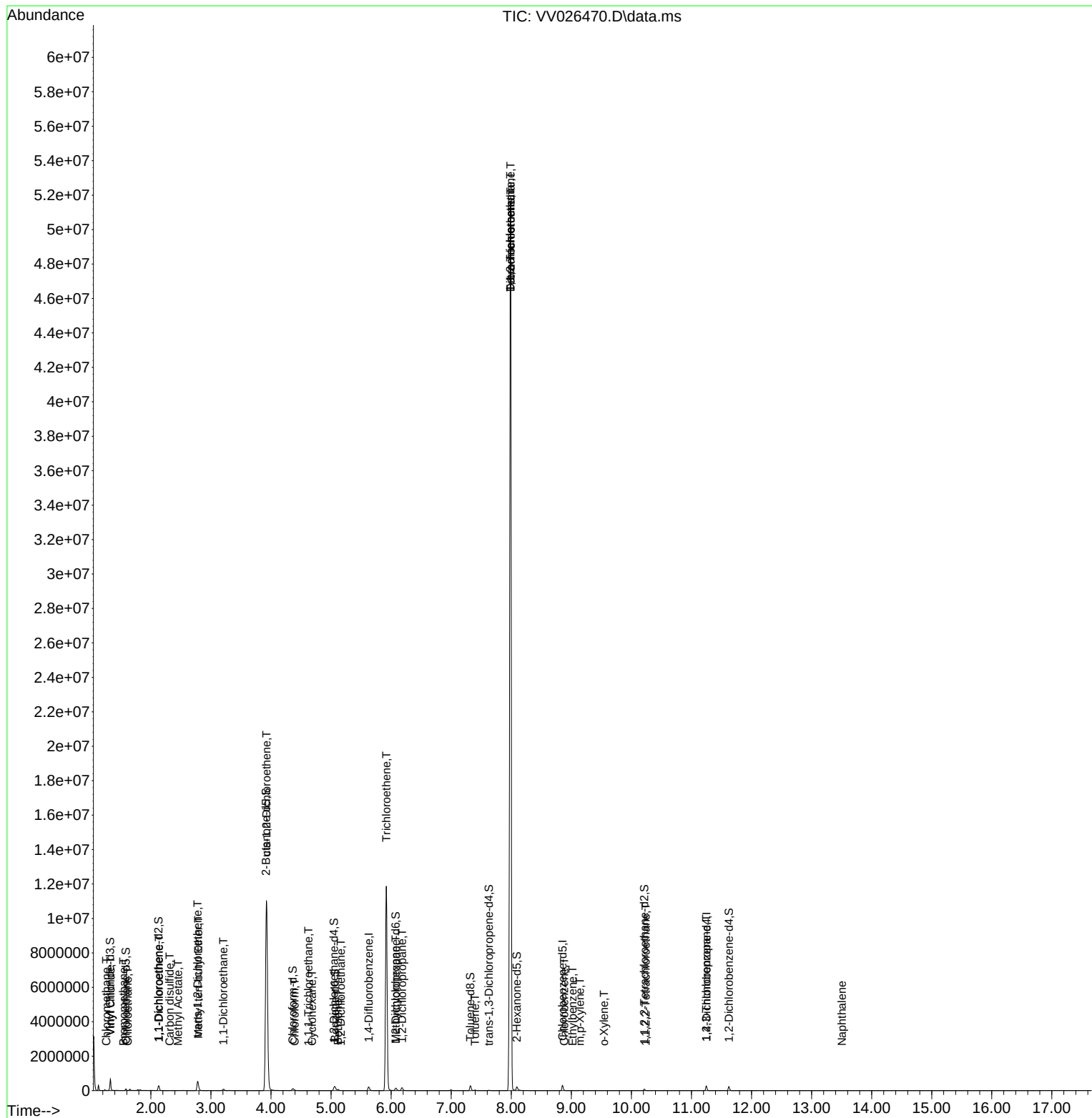
42) Toluene	7.397	91	28422	0.595	ug/L	97
45) 1,1,2-Trichloroethane	7.986	97	110830	14.214	ug/L #	1
47) Tetrachloroethene	7.989	164	11716454	1275.671	ug/L	93
49) Dibromochloromethane	7.989	129	11621862	1345.934	ug/L #	9
51) Chlorobenzene	8.883	112	2682	0.086	ug/L #	86
52) Ethylbenzene	9.021	91	5085	0.106	ug/L	98
53) m,p-Xylene	9.143	106	4208	0.225	ug/L	82
54) o-Xylene	9.545	106	1529	0.085	ug/L	90
57) 1,1,2,2-Tetrachloroethane	10.239	83	976	0.123	ug/L #	73
61) 1,2,3-Trichloropropane	11.246	75	8879	1.837	ug/L #	65
71) Naphthalene	13.506	128	1430	0.099	ug/L #	75

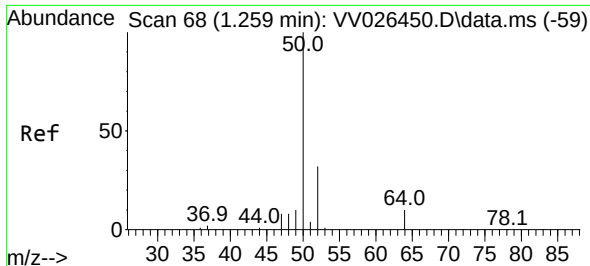
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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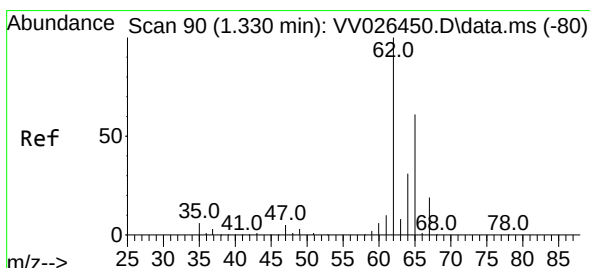
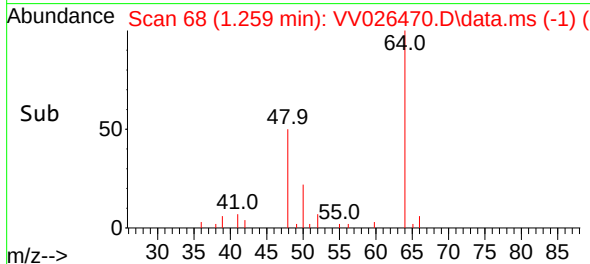
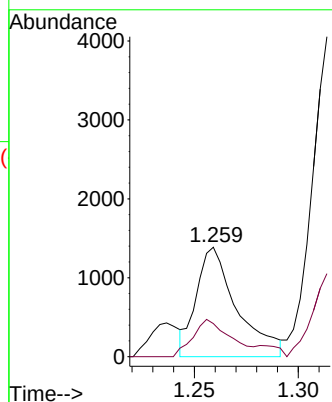
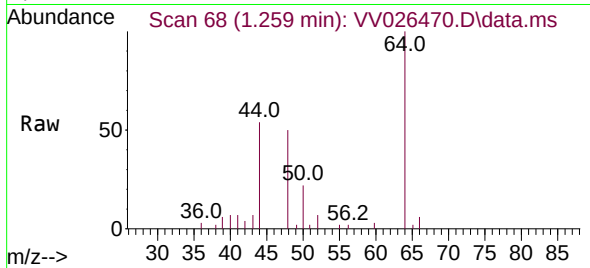




#3
Chloromethane
Concen: 0.117 ug/L
RT: 1.259 min Scan# 68
Delta R.T. 0.000 min
Lab File: VV026470.D
Acq: 21 Jun 2022 00:59

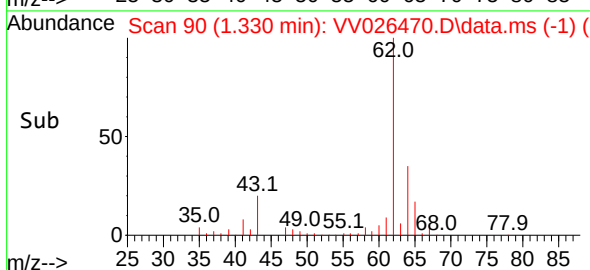
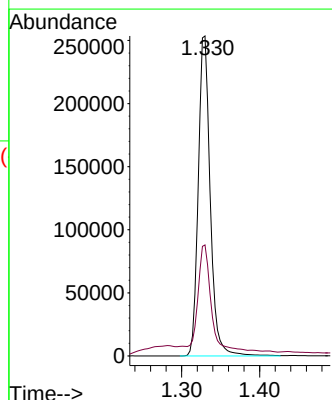
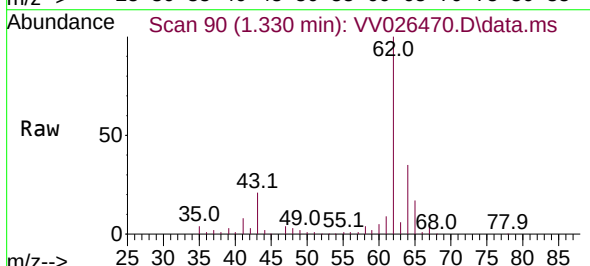
Instrument :
MSVOA_V
ClientSampleId :

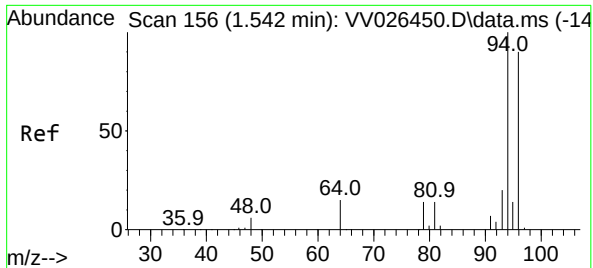
Tgt Ion: 50 Resp: 1879
Ion Ratio Lower Upper
50 100
52 30.2 23.7 44.1



#5
Vinyl chloride
Concen: 16.213 ug/L
RT: 1.330 min Scan# 90
Delta R.T. 0.000 min
Lab File: VV026470.D
Acq: 21 Jun 2022 00:59

Tgt Ion: 62 Resp: 270714
Ion Ratio Lower Upper
62 100
64 34.7 23.2 43.2

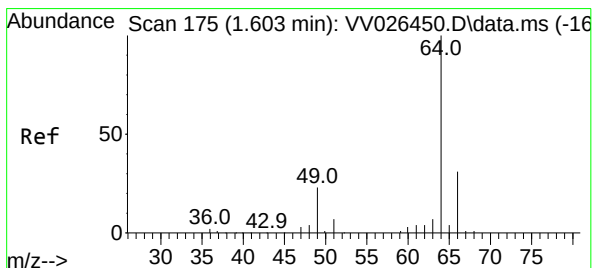
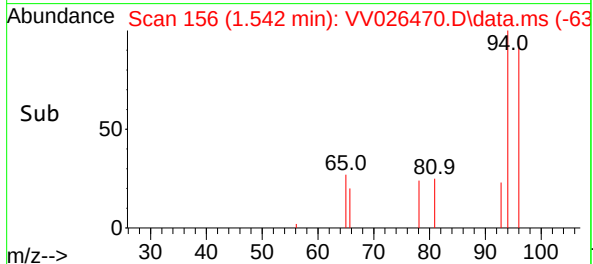
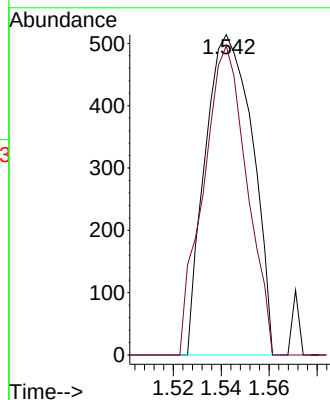
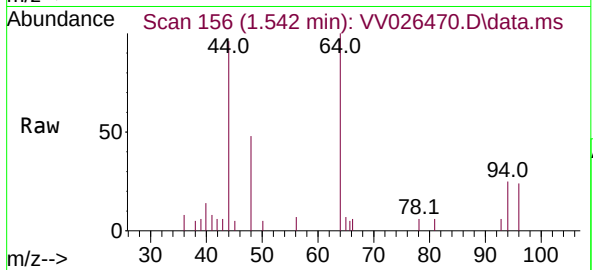




#6
Bromomethane
Concen: 0.076 ug/L
RT: 1.542 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV026470.D
Acq: 21 Jun 2022 00:59

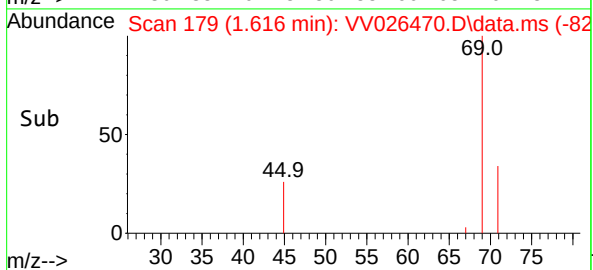
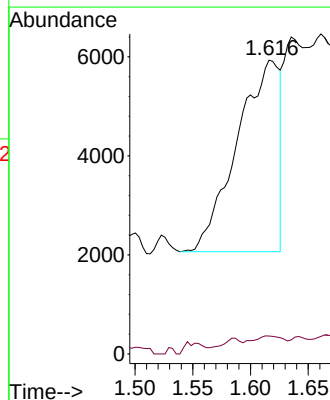
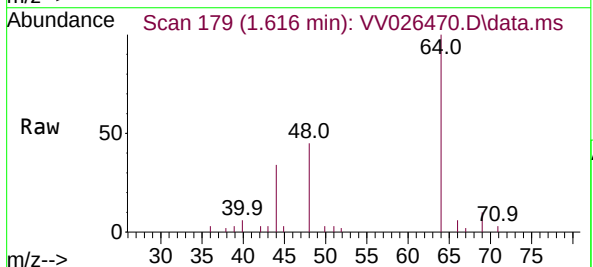
Instrument :
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ClientSampleId :

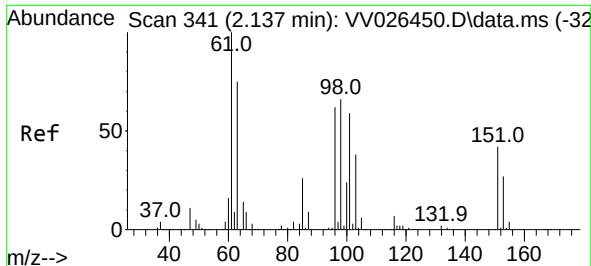
Tgt Ion: 94 Resp: 705
Ion Ratio Lower Upper
94 100
96 96.5 65.7 121.9



#8
Chloroethane
Concen: 0.956 ug/L
RT: 1.616 min Scan# 179
Delta R.T. 0.013 min
Lab File: VV026470.D
Acq: 21 Jun 2022 00:59

Tgt Ion: 64 Resp: 9908
Ion Ratio Lower Upper
64 100
66 6.1 24.1 44.7#

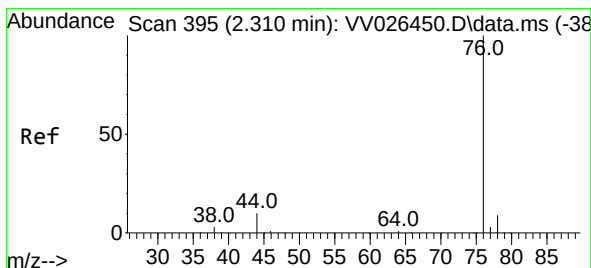
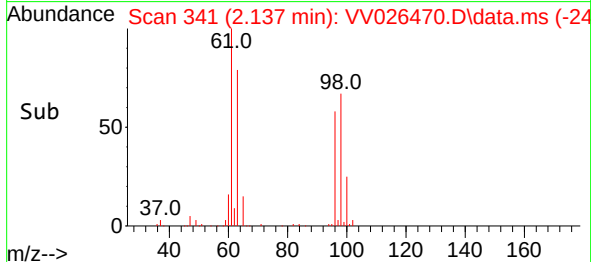
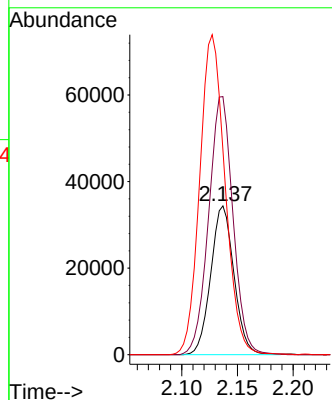
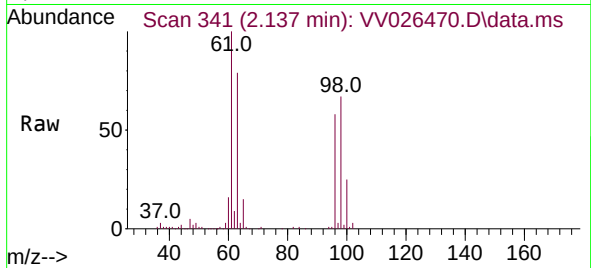




#12
1,1-Dichloroethene
Concen: 4.080 ug/L
RT: 2.137 min Scan# 341
Delta R.T. 0.000 min
Lab File: VV026470.D
Acq: 21 Jun 2022 00:59

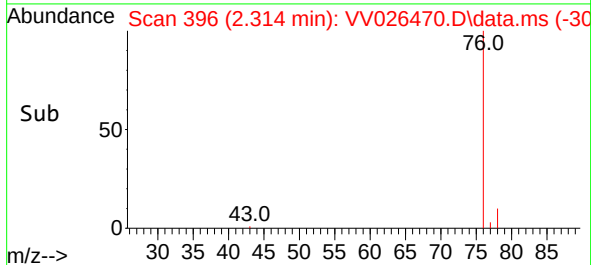
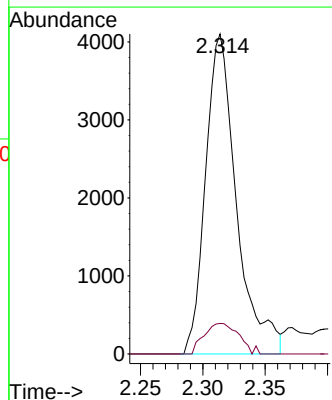
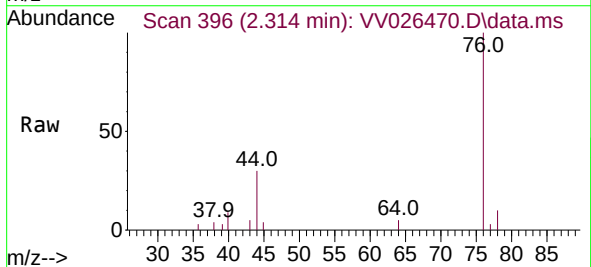
Instrument :
MSVOA_V
ClientSampleId :

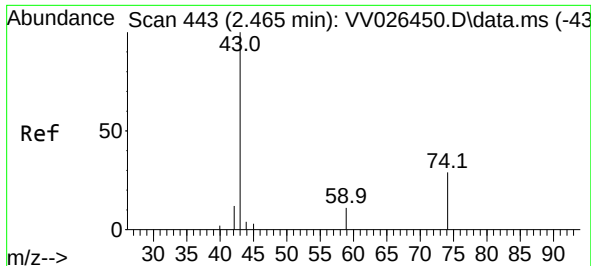
Tgt Ion: 96 Resp: 49857
Ion Ratio Lower Upper
96 100
61 173.4 117.1 217.5
63 137.7 92.8 172.4



#14
Carbon disulfide
Concen: 0.235 ug/L
RT: 2.314 min Scan# 396
Delta R.T. 0.003 min
Lab File: VV026470.D
Acq: 21 Jun 2022 00:59

Tgt Ion: 76 Resp: 7087
Ion Ratio Lower Upper
76 100
78 9.6 7.7 11.5

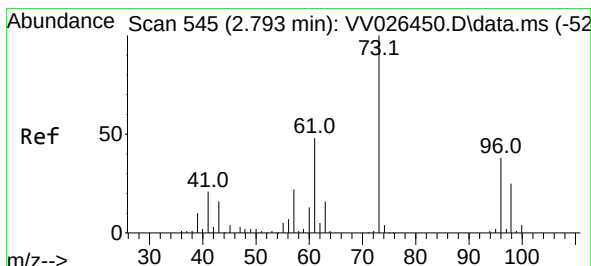
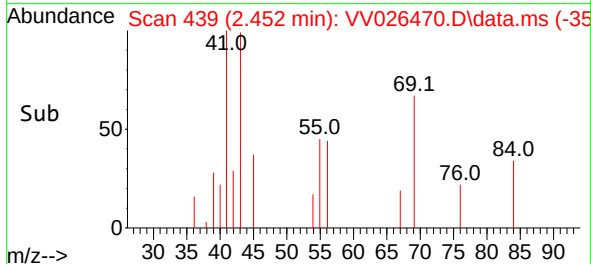
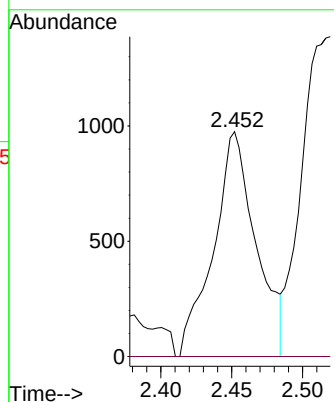
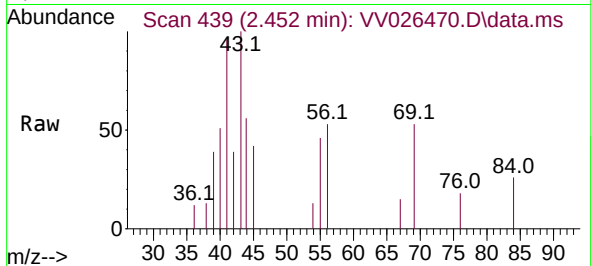




#15
Methyl Acetate
Concen: 0.668 ug/L
RT: 2.452 min Scan# 41
Delta R.T. -0.013 min
Lab File: VV026470.D
Acq: 21 Jun 2022 00:59

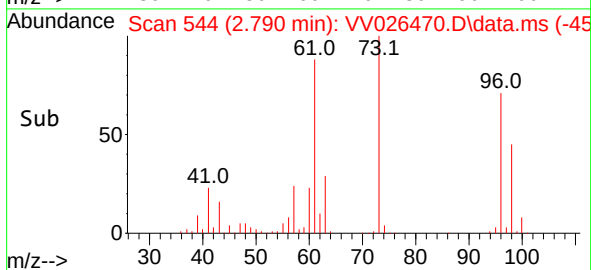
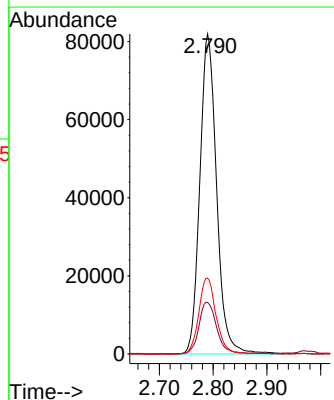
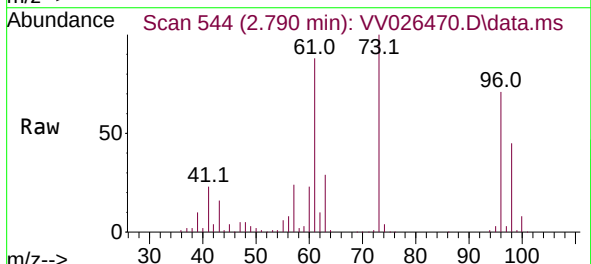
Instrument :
MSVOA_V
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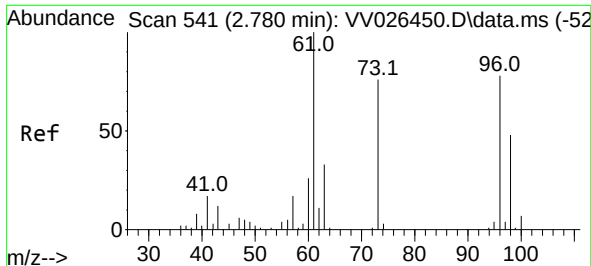
Tgt Ion: 43 Resp: 2035
Ion Ratio Lower Upper
43 100
74 0.0 21.4 32.0#



#17
Methyl tert-butyl Ether
Concen: 8.439 ug/L
RT: 2.790 min Scan# 544
Delta R.T. -0.003 min
Lab File: VV026470.D
Acq: 21 Jun 2022 00:59

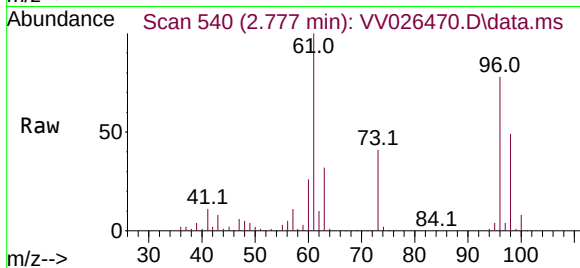
Tgt Ion: 73 Resp: 177329
Ion Ratio Lower Upper
73 100
43 17.2 13.0 19.6
57 24.4 17.6 26.4



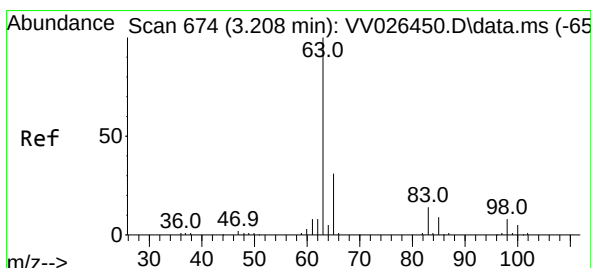
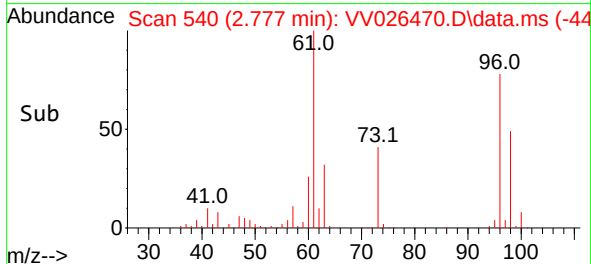
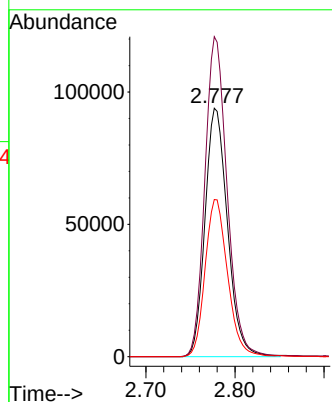


#18
trans-1,2-Dichloroethene
Concen: 13.895 ug/L
RT: 2.777 min Scan# 541
Delta R.T. -0.003 min
Lab File: VV026470.D
Acq: 21 Jun 2022 00:59

Instrument :
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ClientSampleId :

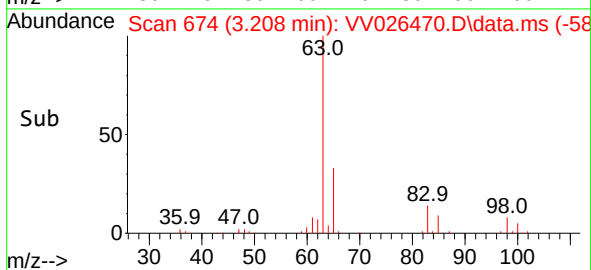
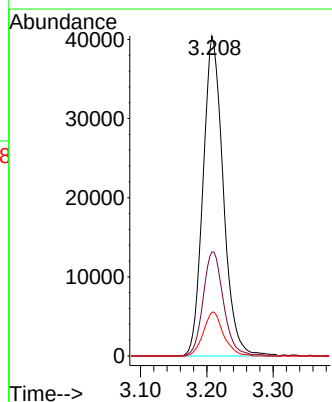
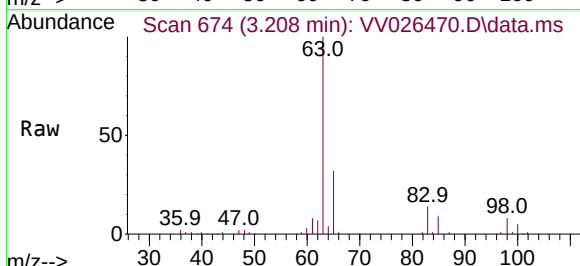


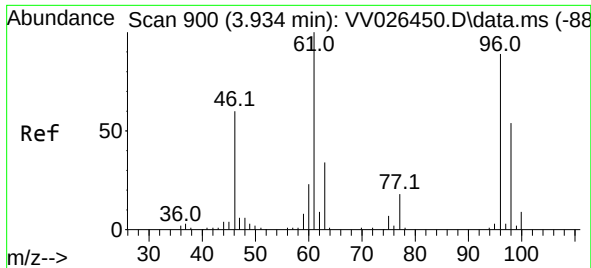
Tgt Ion: 96 Resp: 164687
Ion Ratio Lower Upper
96 100
61 128.7 91.3 169.6
98 63.2 45.3 84.1



#19
1,1-Dichloroethane
Concen: 3.787 ug/L
RT: 3.208 min Scan# 674
Delta R.T. 0.000 min
Lab File: VV026470.D
Acq: 21 Jun 2022 00:59

Tgt Ion: 63 Resp: 85600
Ion Ratio Lower Upper
63 100
65 32.5 22.3 41.3
83 13.7 8.9 16.5

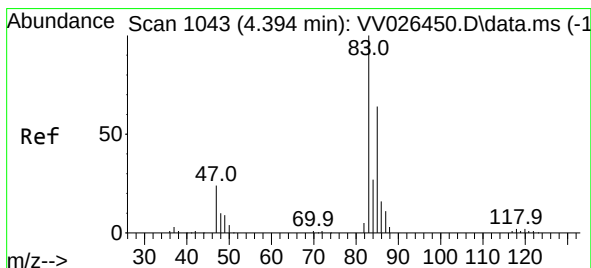
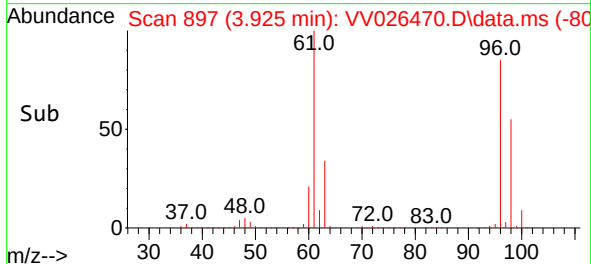
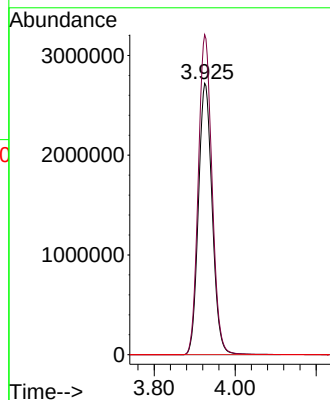
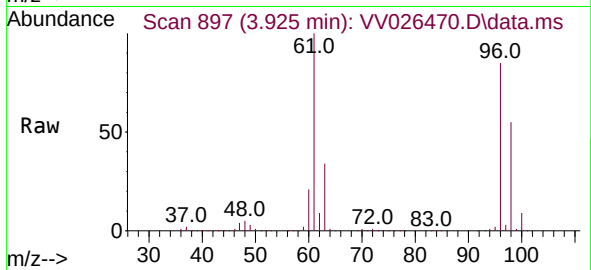




#22
 cis-1,2-Dichloroethene
 Concen: 533.827 ug/L
 RT: 3.925 min Scan# 897
 Delta R.T. -0.010 min
 Lab File: VV026470.D
 Acq: 21 Jun 2022 00:59

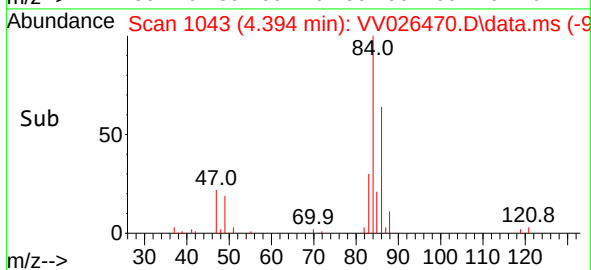
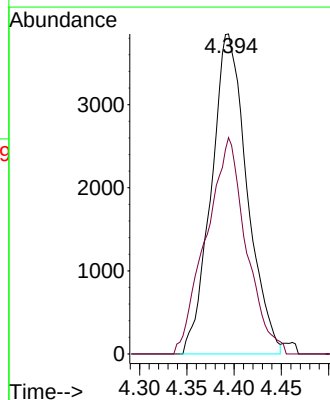
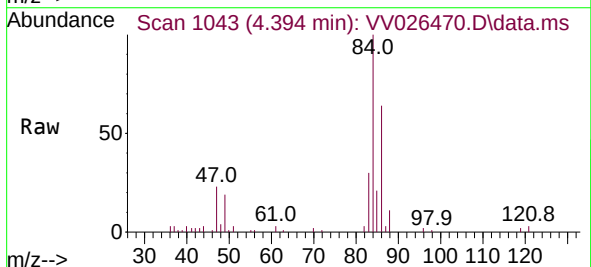
Instrument :
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 ClientSampleId :

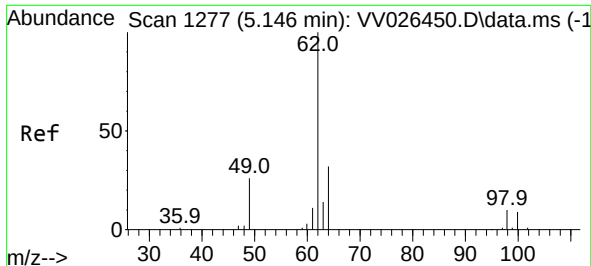
Tgt Ion: 96 Resp: 6401450
 Ion Ratio Lower Upper
 96 100
 61 118.0 83.6 155.2
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.413 ug/L
 RT: 4.394 min Scan# 1043
 Delta R.T. 0.000 min
 Lab File: VV026470.D
 Acq: 21 Jun 2022 00:59

Tgt Ion: 83 Resp: 10131
 Ion Ratio Lower Upper
 83 100
 85 67.6 46.5 86.3





#27

1,2-Dichloroethane

Concen: 0.059 ug/L

RT: 5.162 min Scan# 1114

Delta R.T. 0.016 min

Lab File: VV026470.D

Acq: 21 Jun 2022 00:59

Instrument :

MSVOA_V

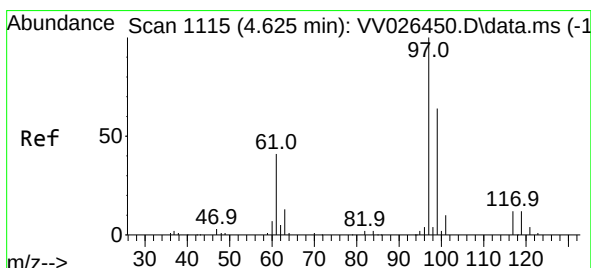
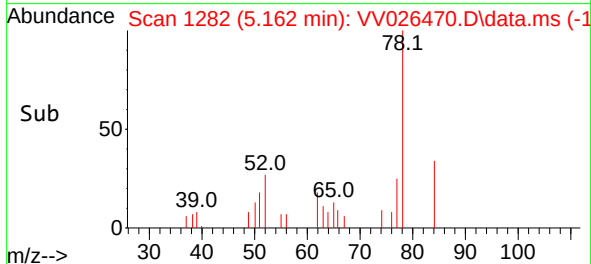
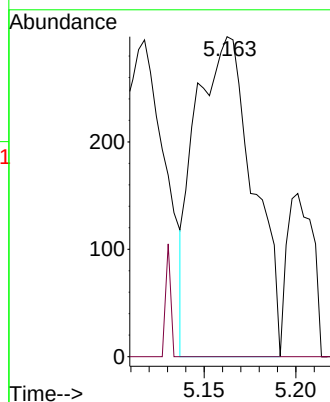
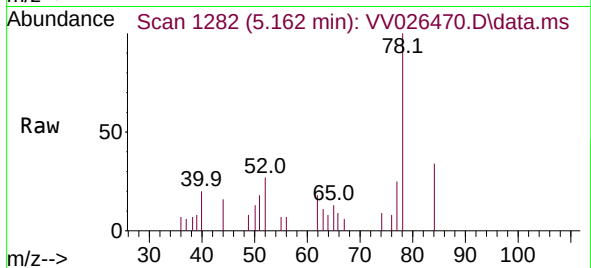
ClientSampleId :

Tgt Ion: 62 Resp: 654

Ion Ratio Lower Upper

62 100

98 0.0 8.6 13.0#



#29

1,1,1-Trichloroethane

Concen: 0.093 ug/L

RT: 4.622 min Scan# 1114

Delta R.T. -0.003 min

Lab File: VV026470.D

Acq: 21 Jun 2022 00:59

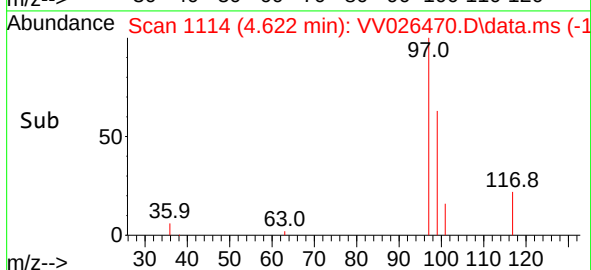
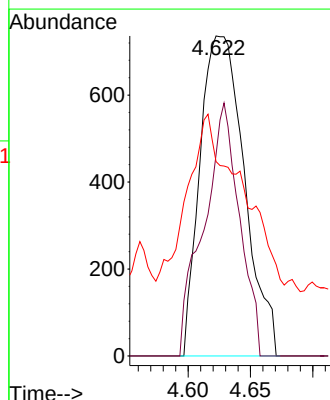
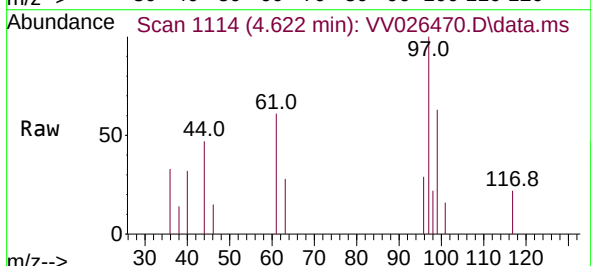
Tgt Ion: 97 Resp: 1820

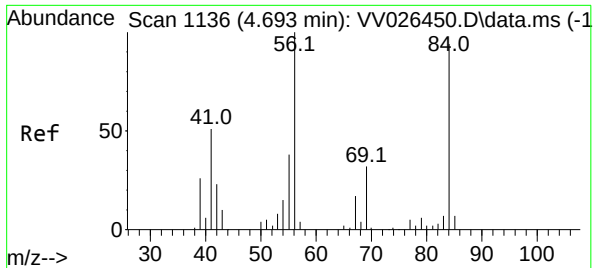
Ion Ratio Lower Upper

97 100

99 63.7 50.3 75.5

61 63.1 33.4 50.0#

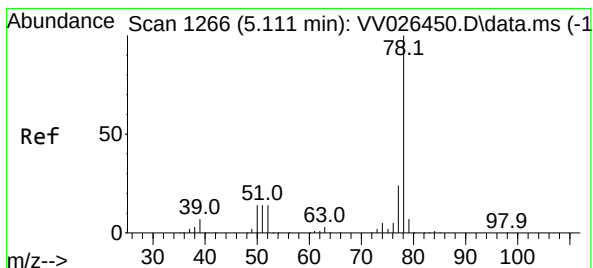
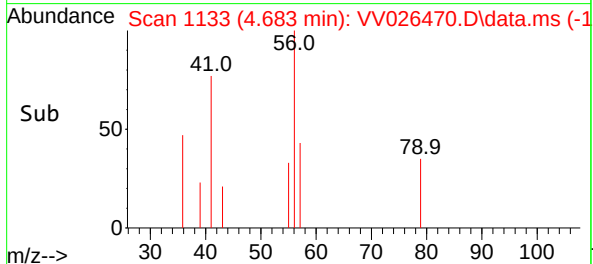
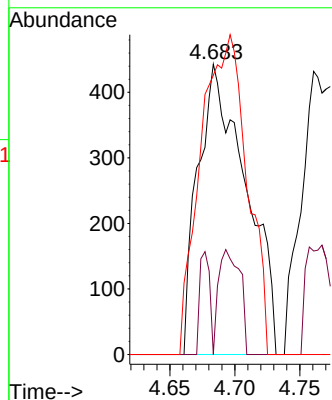
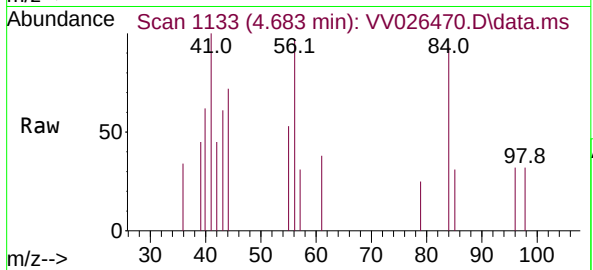




#30
Cyclohexane
Concen: 0.078 ug/L
RT: 4.683 min Scan# 1135
Delta R.T. -0.010 min
Lab File: VV026470.D
Acq: 21 Jun 2022 00:59

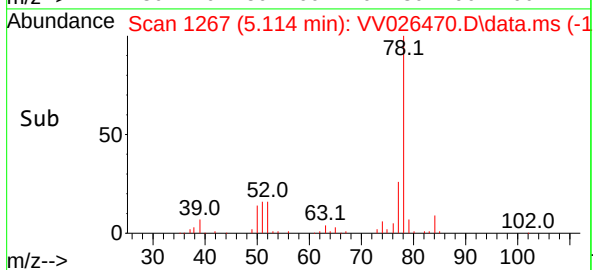
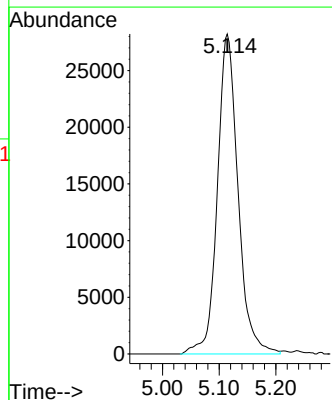
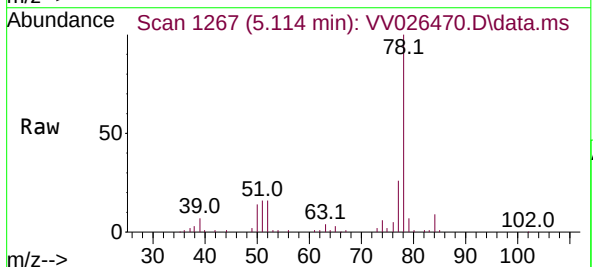
Instrument :
MSVOA_V
ClientSampleId :

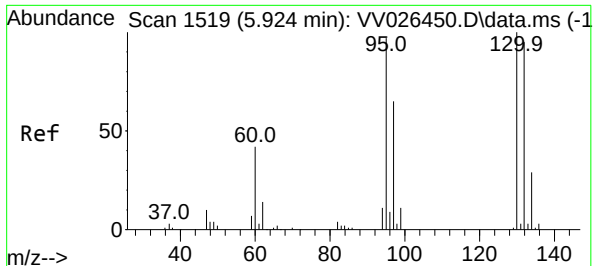
Tgt Ion: 56 Resp: 1135
Ion Ratio Lower Upper
56 100
69 7.3 24.9 37.3#
84 0.0 76.4 114.6#



#33
Benzene
Concen: 1.575 ug/L
RT: 5.114 min Scan# 1267
Delta R.T. 0.003 min
Lab File: VV026470.D
Acq: 21 Jun 2022 00:59

Tgt Ion: 78 Resp: 71511

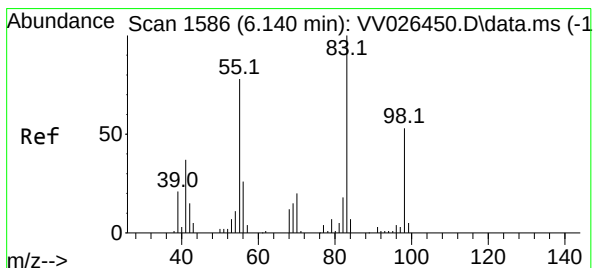
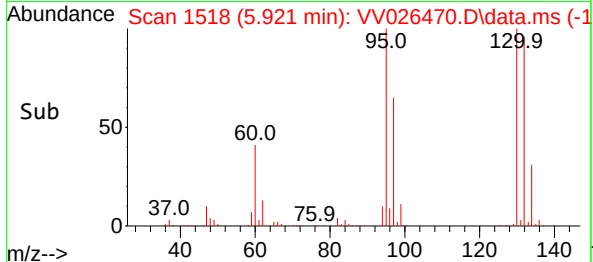
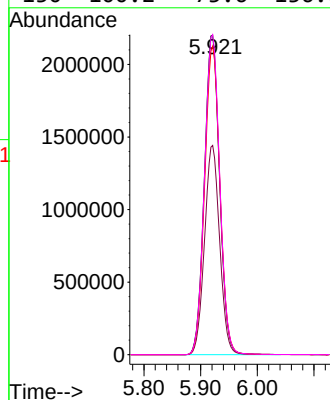
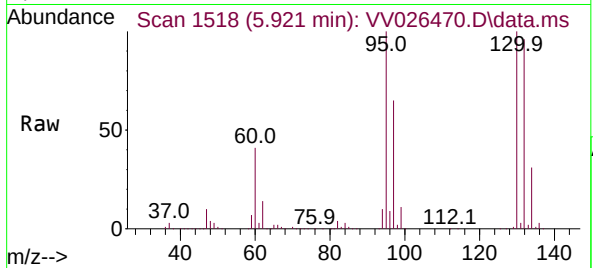




#34
Trichloroethene
Concen: 332.019 ug/L
RT: 5.921 min Scan# 1518
Delta R.T. -0.003 min
Lab File: VV026470.D
Acq: 21 Jun 2022 00:59

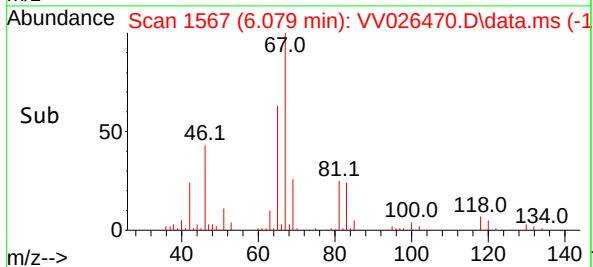
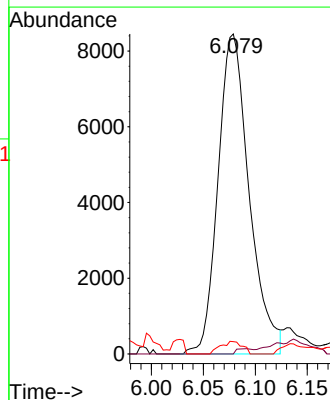
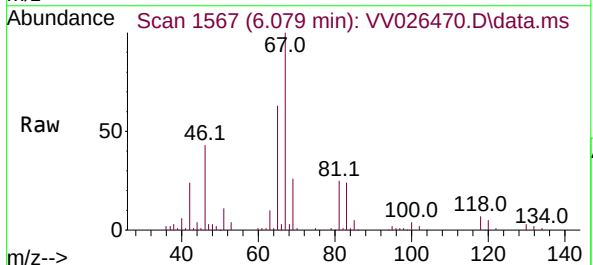
Instrument :
MSVOA_V
ClientSampleId :

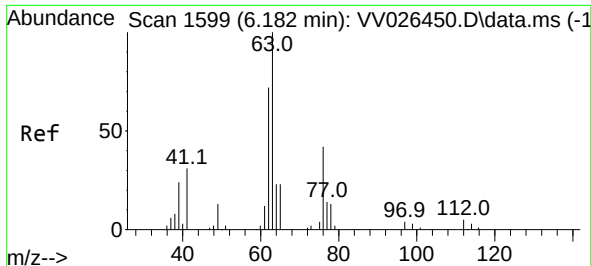
Tgt Ion: 95 Resp: 4116933
Ion Ratio Lower Upper
95 100
97 65.5 46.5 86.3
132 96.6 68.8 127.8
130 100.2 73.6 136.6



#35
Methylcyclohexane
Concen: 1.026 ug/L
RT: 6.079 min Scan# 1567
Delta R.T. -0.061 min
Lab File: VV026470.D
Acq: 21 Jun 2022 00:59

Tgt Ion: 83 Resp: 17595
Ion Ratio Lower Upper
83 100
55 0.8 59.3 88.9#
98 0.0 39.9 59.9#





#37

1,2-Dichloropropane

Concen: 5.882 ug/L

RT: 6.182 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV026470.D

Acq: 21 Jun 2022 00:59

Instrument :

MSVOA_V

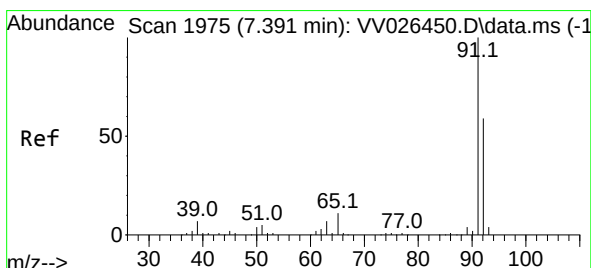
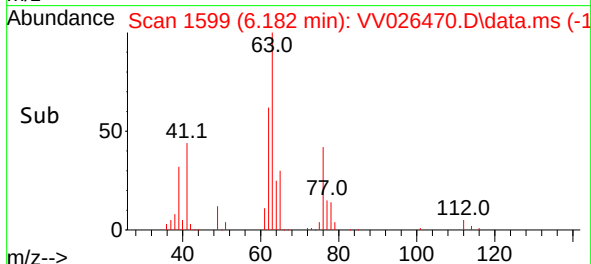
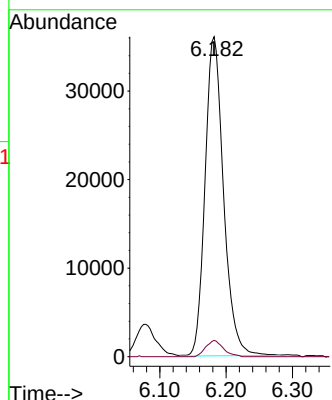
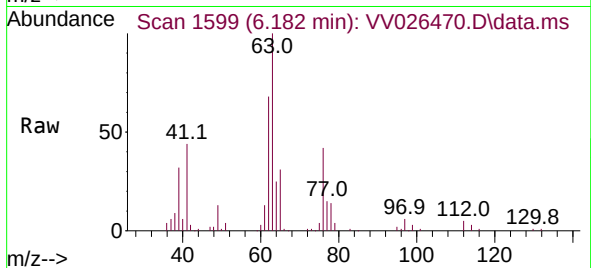
ClientSampleId :

Tgt Ion: 63 Resp: 69875

Ion Ratio Lower Upper

63 100

112 4.8 3.3 4.9



#42

Toluene

Concen: 0.595 ug/L

RT: 7.397 min Scan# 1977

Delta R.T. 0.006 min

Lab File: VV026470.D

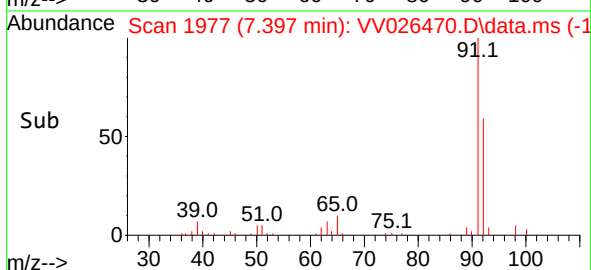
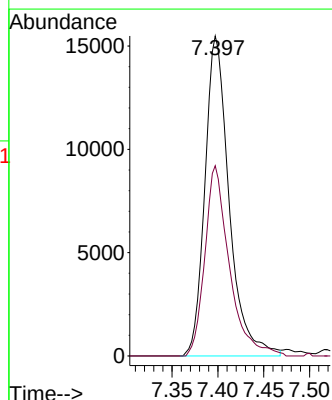
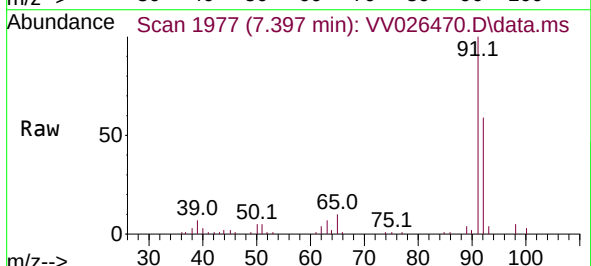
Acq: 21 Jun 2022 00:59

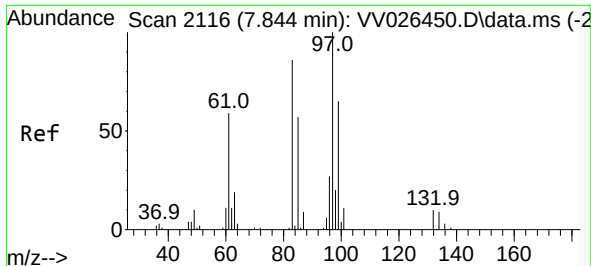
Tgt Ion: 91 Resp: 28422

Ion Ratio Lower Upper

91 100

92 59.4 40.1 74.5





#45

1,1,2-Trichloroethane

Concen: 14.214 ug/L

RT: 7.986 min Scan# 2116

Delta R.T. 0.142 min

Lab File: VV026470.D

Acq: 21 Jun 2022 00:59

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 110830

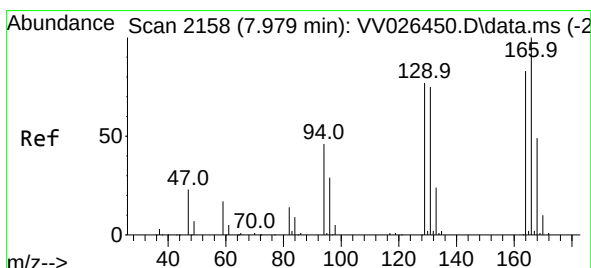
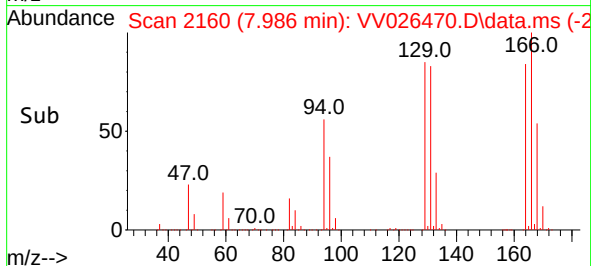
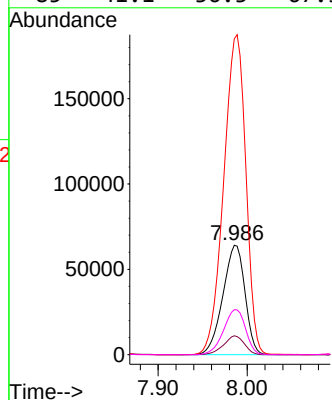
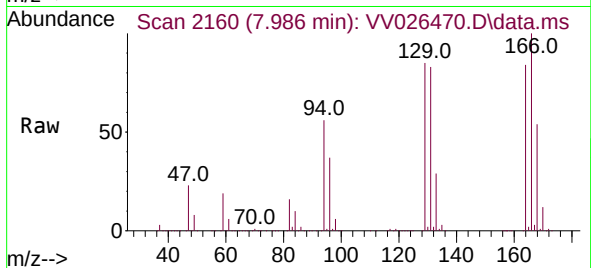
Ion Ratio Lower Upper

97 100

99 17.2 42.4 78.6#

83 288.7 56.1 104.1#

85 41.1 36.3 67.5



#47

Tetrachloroethene

Concen: 1275.671 ug/L

RT: 7.989 min Scan# 2161

Delta R.T. 0.010 min

Lab File: VV026470.D

Acq: 21 Jun 2022 00:59

Tgt Ion:164 Resp:11716454

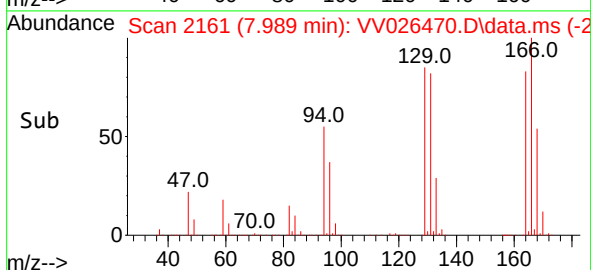
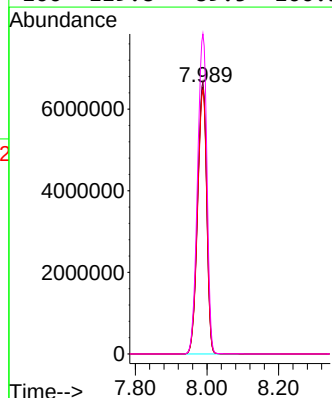
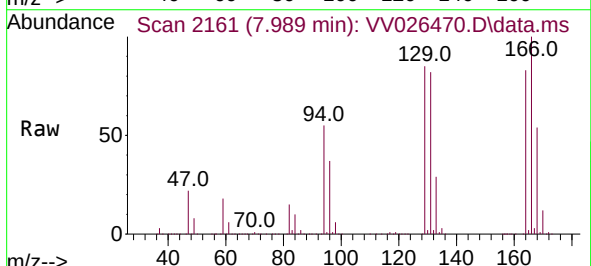
Ion Ratio Lower Upper

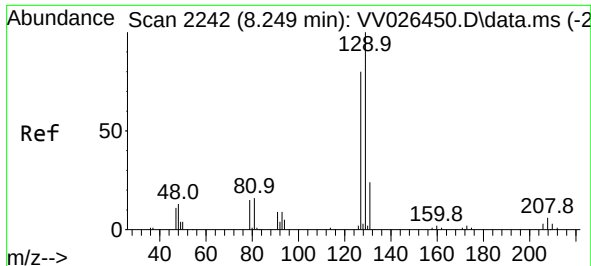
164 100

129 101.9 67.5 125.3

131 98.8 63.8 118.4

166 119.8 89.5 166.3





#49

Dibromochloromethane

Concen: 1345.934 ug/L

RT: 7.989 min Scan# 2161

Delta R.T. -0.260 min

Lab File: VV026470.D

Acq: 21 Jun 2022 00:59

Instrument :

MSVOA_V

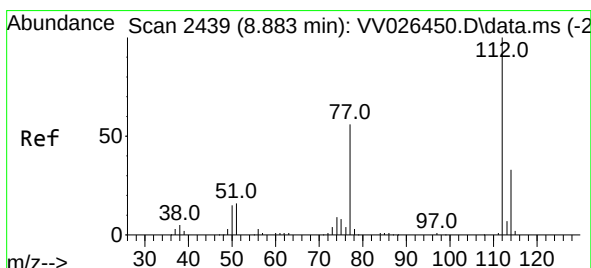
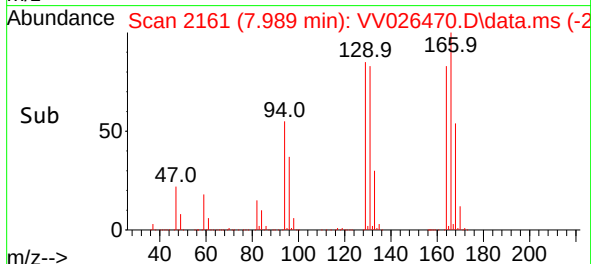
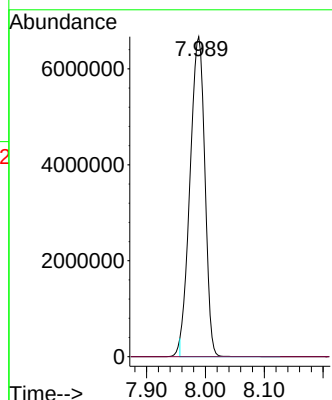
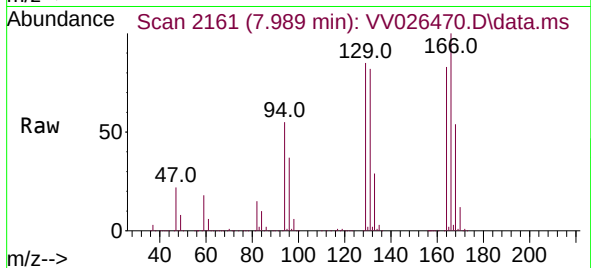
ClientSampleId :

Tgt Ion:129 Resp:11621862

Ion Ratio Lower Upper

129 100

127 0.0 56.4 104.7#



#51

Chlorobenzene

Concen: 0.086 ug/L

RT: 8.883 min Scan# 2439

Delta R.T. 0.000 min

Lab File: VV026470.D

Acq: 21 Jun 2022 00:59

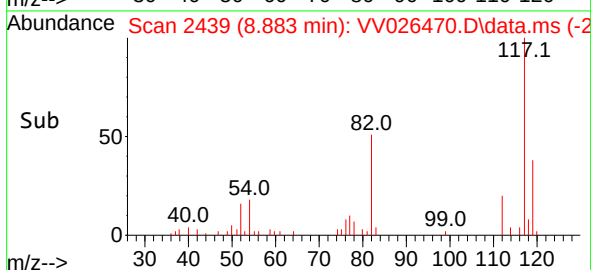
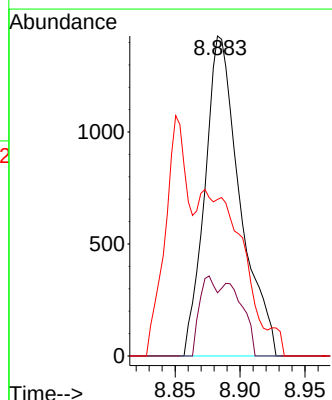
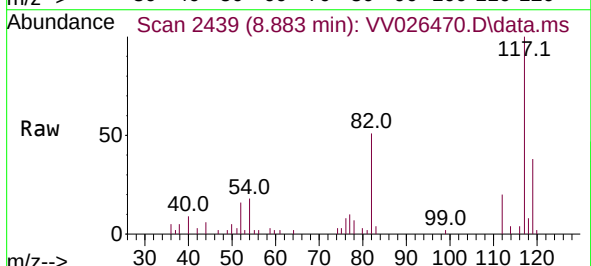
Tgt Ion:112 Resp: 2682

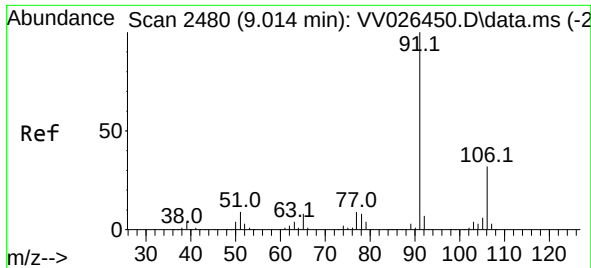
Ion Ratio Lower Upper

112 100

114 19.7 22.7 42.3#

77 48.9 44.5 66.7

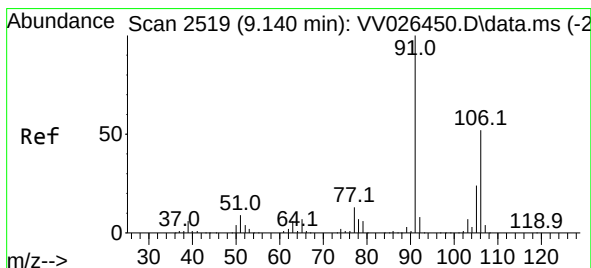
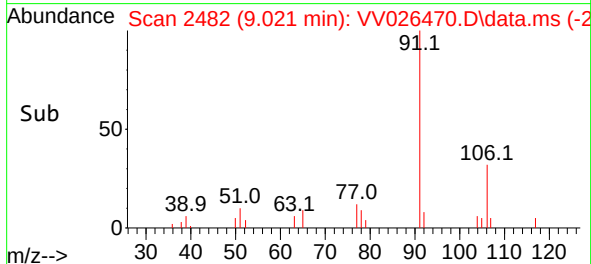
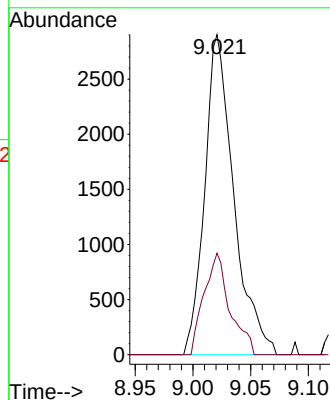
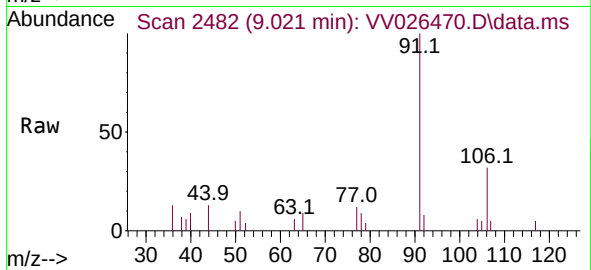




#52
Ethylbenzene
Concen: 0.106 ug/L
RT: 9.021 min Scan# 24
Delta R.T. 0.006 min
Lab File: VV026470.D
Acq: 21 Jun 2022 00:59

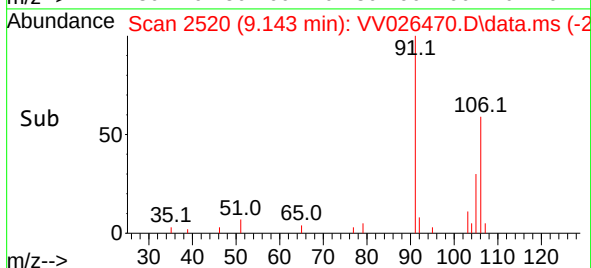
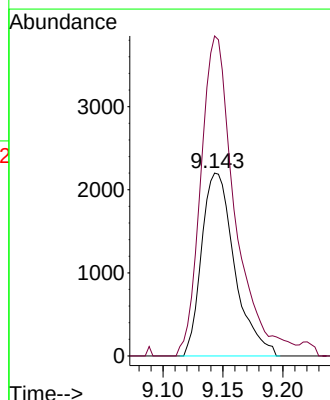
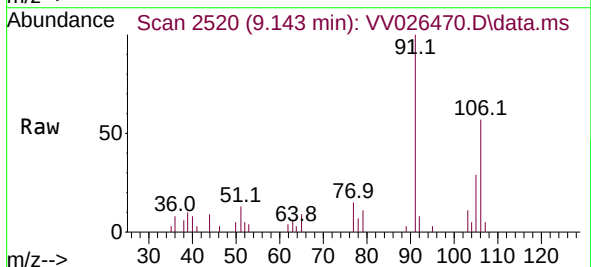
Instrument :
MSVOA_V
ClientSampleId :

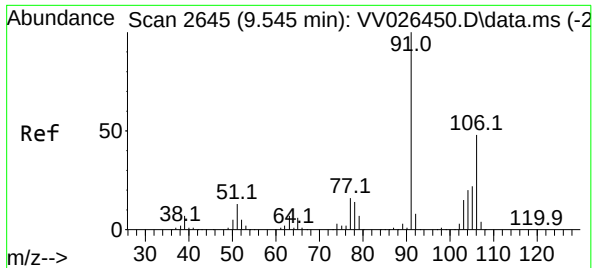
Tgt Ion: 91 Resp: 5085
Ion Ratio Lower Upper
91 100
106 31.7 21.6 40.0



#53
m,p-Xylene
Concen: 0.225 ug/L
RT: 9.143 min Scan# 2520
Delta R.T. 0.003 min
Lab File: VV026470.D
Acq: 21 Jun 2022 00:59

Tgt Ion:106 Resp: 4208
Ion Ratio Lower Upper
106 100
91 175.0 141.3 262.3

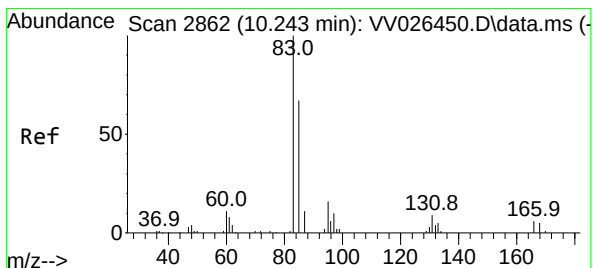
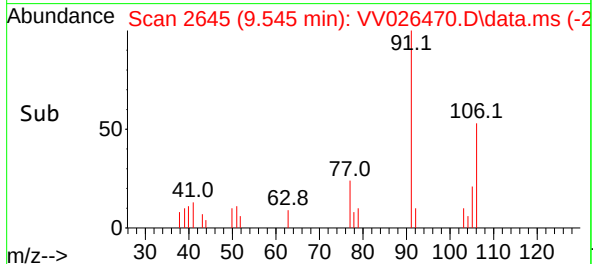
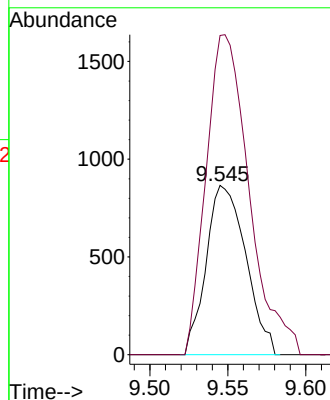
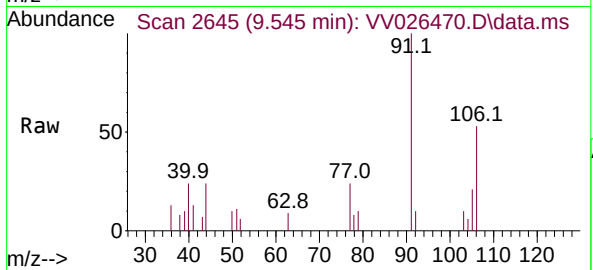




#54
o-Xylene
Concen: 0.085 ug/L
RT: 9.545 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV026470.D
Acq: 21 Jun 2022 00:59

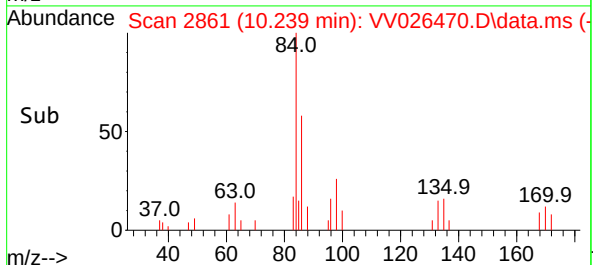
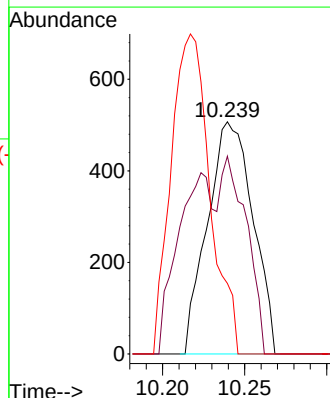
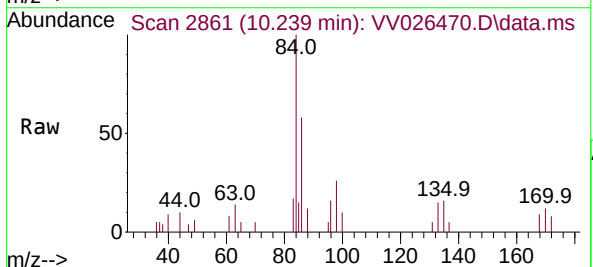
Instrument :
MSVOA_V
ClientSampleId :

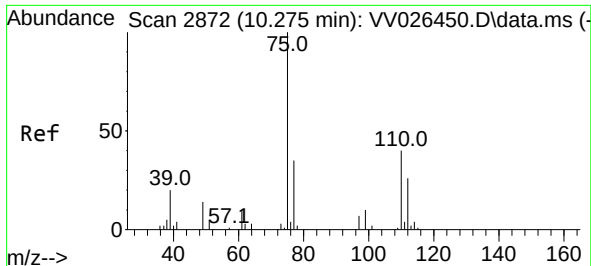
Tgt Ion:106 Resp: 1529
Ion Ratio Lower Upper
106 100
91 188.6 143.3 266.1



#57
1,1,2,2-Tetrachloroethane
Concen: 0.123 ug/L
RT: 10.239 min Scan# 2861
Delta R.T. -0.003 min
Lab File: VV026470.D
Acq: 21 Jun 2022 00:59

Tgt Ion: 83 Resp: 976
Ion Ratio Lower Upper
83 100
85 85.2 47.1 87.5
131 30.4 7.7 11.5#

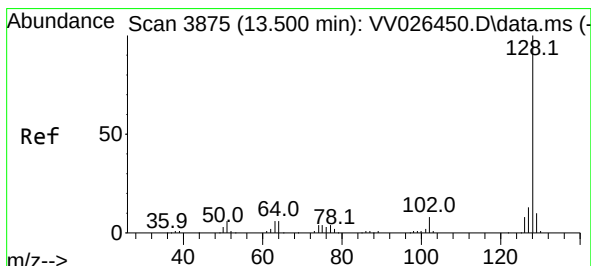
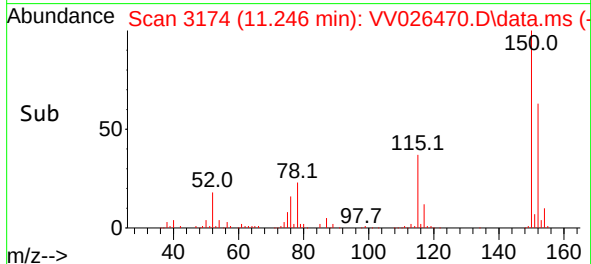
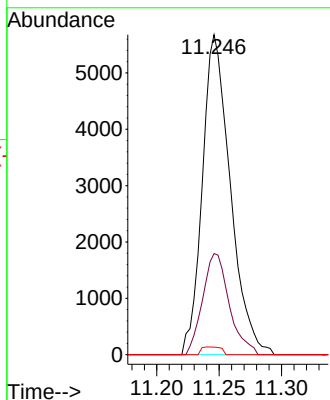
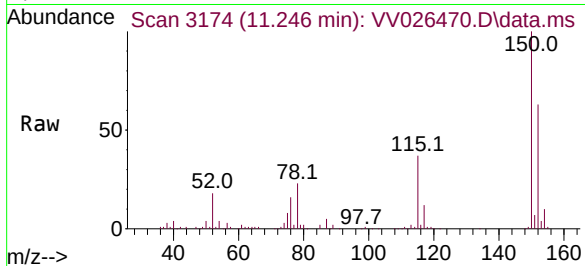




#61
1,2,3-Trichloropropane
Concen: 1.837 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.971 min
Lab File: VV026470.D
Acq: 21 Jun 2022 00:59

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 8879
Ion Ratio Lower Upper
75 100
77 30.0 26.9 40.3
110 1.7 30.7 46.1#



#71
Naphthalene
Concen: 0.099 ug/L
RT: 13.506 min Scan# 3877
Delta R.T. 0.006 min
Lab File: VV026470.D
Acq: 21 Jun 2022 00:59

Tgt Ion:128 Resp: 1430
Ion Ratio Lower Upper
128 100
129 5.0 8.7 13.1#
127 0.0 10.6 16.0#

