

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071422\
 Data File : VW026768.D
 Acq On : 14 Jul 2022 09:26
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005353

Quant Time: Jul 15 06:35:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jul 13 23:00:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	225221	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	231239	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	124090	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.298	65	82436	4.012	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.200%
7) Chloroethane-d5	1.558	69	77558	4.369	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.400%
11) 1,1-Dichloroethene-d2	2.098	63	174661	4.428	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.600%
20) 2-Butanone-d5	3.902	46	137926	43.011	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.020%
24) Chloroform-d	4.339	84	177714	4.946	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
26) 1,2-Dichloroethane-d4	5.024	65	78116	4.977	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
32) Benzene-d6	5.040	84	310930	4.425	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
36) 1,2-Dichloropropane-d6	6.063	67	98787	4.689	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.800%
41) Toluene-d8	7.310	98	280981	4.505	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.000%
43) trans-1,3-Dichloroprop...	7.619	79	30871	4.479	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.600%
46) 2-Hexanone-d5	8.088	63	147425	49.401	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.800%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	82229	5.010	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	95039	4.396	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.124	85	166665	5.821	ug/L	100
3) Chloromethane	1.233	50	140896	5.128	ug/L	99
5) Vinyl chloride	1.304	62	157837	5.642	ug/L	100
6) Bromomethane	1.513	94	61826	3.692	ug/L	99
8) Chloroethane	1.577	64	97440	5.911	ug/L	92
9) Trichlorofluoromethane	1.745	101	204665	5.757	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	116980	5.744	ug/L	99
12) 1,1-Dichloroethene	2.108	96	110498	5.596	ug/L	95
13) Acetone	2.191	43	102033	37.817	ug/L #	39
14) Carbon disulfide	2.281	76	335079	5.759	ug/L	98
15) Methyl Acetate	2.436	43	31748	5.818	ug/L	95
16) Methylene chloride	2.497	84	120930	5.141	ug/L	100
17) Methyl tert-butyl Ether	2.764	73	194748	5.724	ug/L	99
18) trans-1,2-Dichloroethene	2.748	96	106490	5.867	ug/L	98
19) 1,1-Dichloroethane	3.179	63	200530	6.050	ug/L	99
21) 2-Butanone	3.989	43	161260	51.249	ug/L	92
22) cis-1,2-Dichloroethene	3.899	96	104024	5.682	ug/L	96
23) Bromochloromethane	4.236	128	50355	5.971	ug/L	98
25) Chloroform	4.365	83	203567	5.864	ug/L	98

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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jul 13 23:00:17 2022
 Response via : Initial Calibration

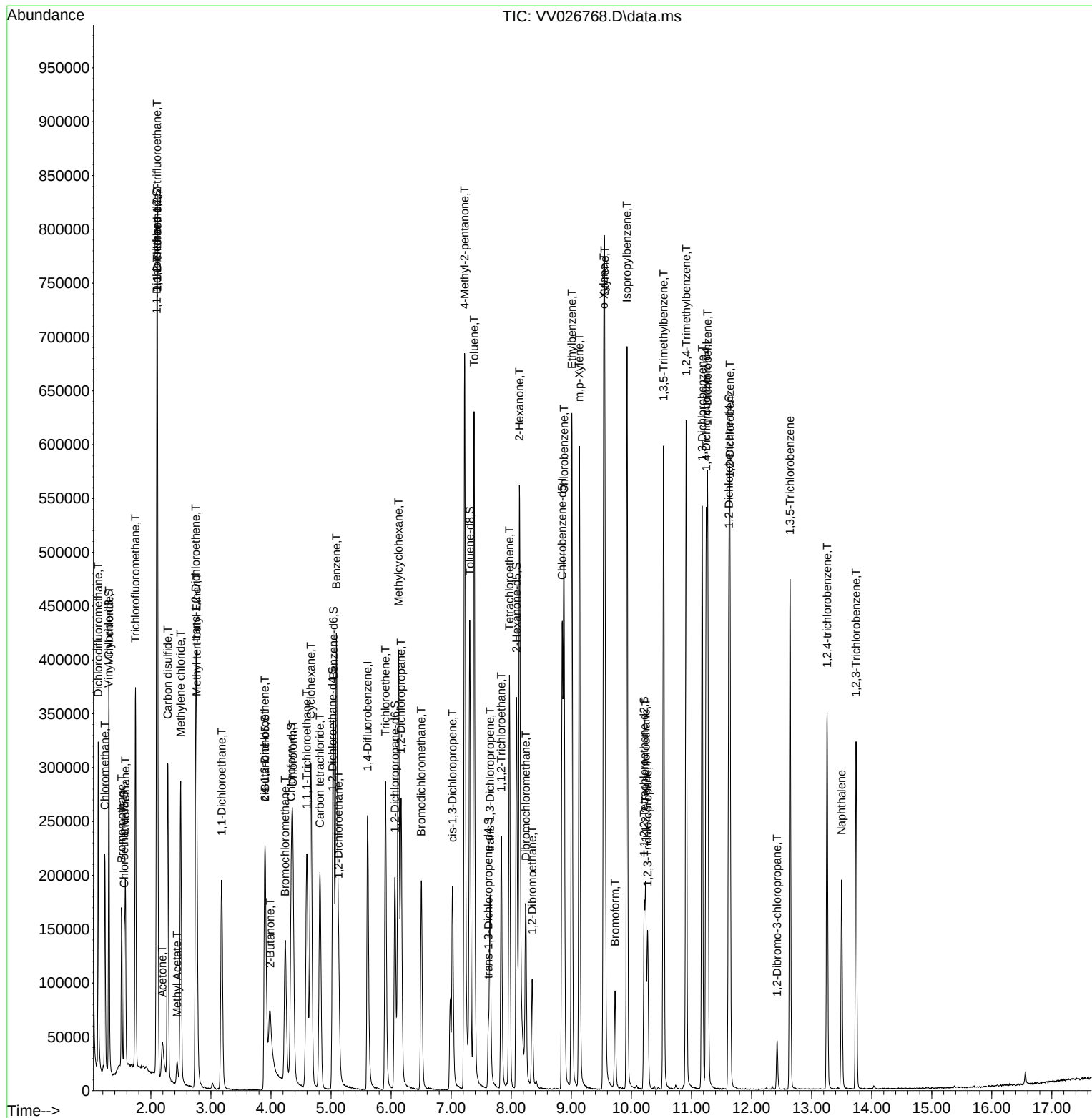
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	110681	5.917	ug/L	99
29) 1,1,1-Trichloroethane	4.596	97	178951	5.743	ug/L	99
30) Cyclohexane	4.664	56	142442	5.364	ug/L	99
31) Carbon tetrachloride	4.815	117	153974	5.595	ug/L	98
33) Benzene	5.088	78	434051	5.615	ug/L	100
34) Trichloroethene	5.905	95	102689	5.405	ug/L	98
35) Methylcyclohexane	6.124	83	157198	5.421	ug/L	98
37) 1,2-Dichloropropane	6.166	63	109253	5.910	ug/L	100
38) Bromodichloromethane	6.503	83	136050	5.645	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	122342	5.325	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	494794	57.945	ug/L	93
42) Toluene	7.381	91	464110	5.944	ug/L	99
44) trans-1,3-Dichloropropene	7.648	75	106220	5.631	ug/L	100
45) 1,1,2-Trichloroethane	7.834	97	75735	5.604	ug/L	97
47) Tetrachloroethene	7.969	164	84607	5.677	ug/L	99
48) 2-Hexanone	8.137	43	376627	60.941	ug/L	98
49) Dibromochloromethane	8.243	129	85783	5.508	ug/L	100
50) 1,2-Dibromoethane	8.349	107	67202	5.620	ug/L	99
51) Chlorobenzene	8.876	112	276278	5.597	ug/L	98
52) Ethylbenzene	9.008	91	419565	5.430	ug/L	99
53) m,p-Xylene	9.133	106	170514	5.675	ug/L	98
54) o-Xylene	9.538	106	156680	5.487	ug/L	98
55) Styrene	9.558	104	291818	5.832	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	90274	5.643	ug/L	97
59) Bromoform	9.728	173	40625	5.102	ug/L	96
60) Isopropylbenzene	9.927	105	417056	5.389	ug/L	100
61) 1,2,3-Trichloropropane	10.272	75	62403	5.453	ug/L	98
62) 1,3,5-Trimethylbenzene	10.535	105	314762	5.112	ug/L	99
63) 1,2,4-Trimethylbenzene	10.911	105	324504	5.190	ug/L	99
64) 1,3-Dichlorobenzene	11.178	146	210118	5.541	ug/L	98
65) 1,4-Dichlorobenzene	11.268	146	209827	5.442	ug/L	97
67) 1,2-Dichlorobenzene	11.641	146	189273	5.345	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.426	75	12119	4.996	ug/L	96
69) 1,3,5-Trichlorobenzene	12.641	180	138348	5.162	ug/L	97
70) 1,2,4-trichlorobenzene	13.259	180	99758	4.894	ug/L	96
71) Naphthalene	13.500	128	152575	4.518	ug/L	99
72) 1,2,3-Trichlorobenzene	13.741	180	93205	4.914	ug/L	99

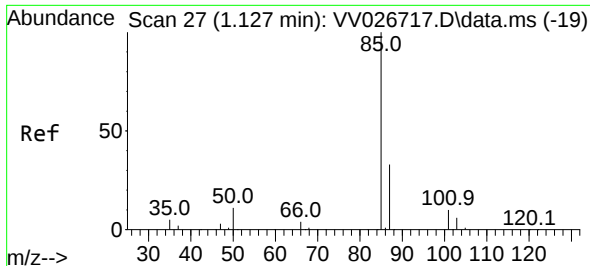
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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 ClientSampleId :
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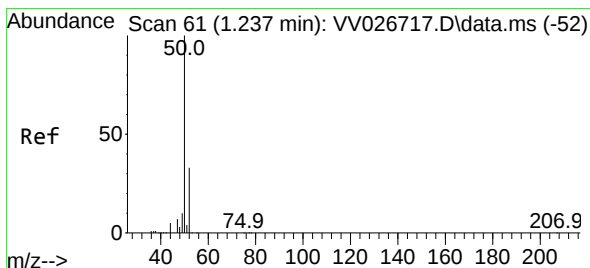
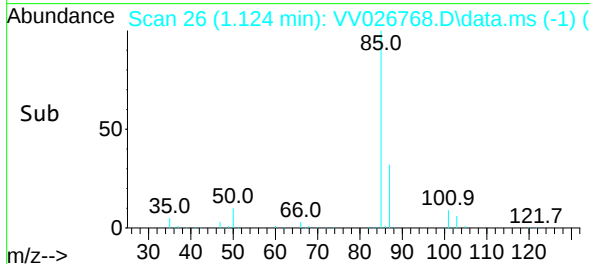
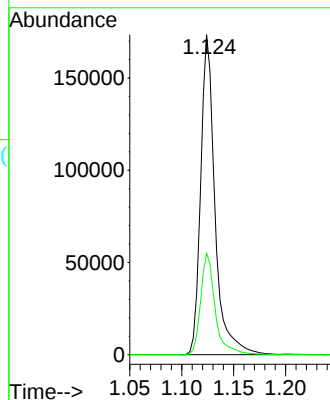
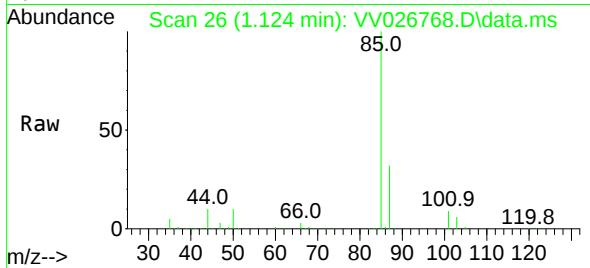




#2
 Dichlorodifluoromethane
 Concen: 5.821 ug/L
 RT: 1.124 min Scan# 2
 Delta R.T. -0.000 min
 Lab File: VV026768.D
 Acq: 14 Jul 2022 09:26

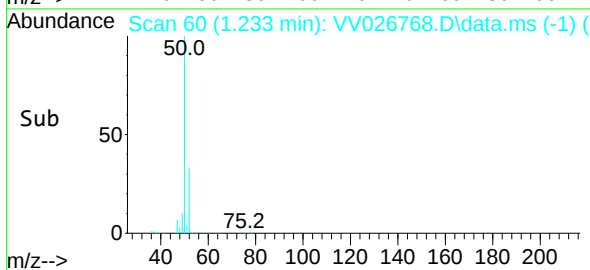
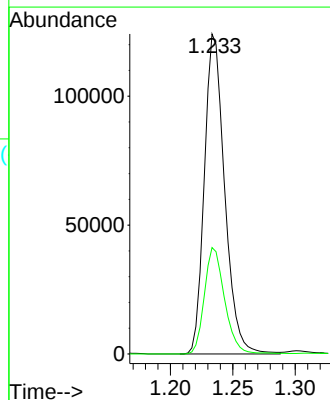
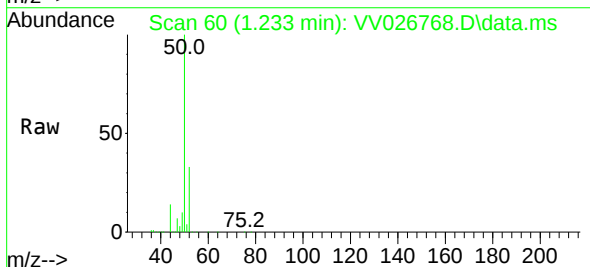
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005353

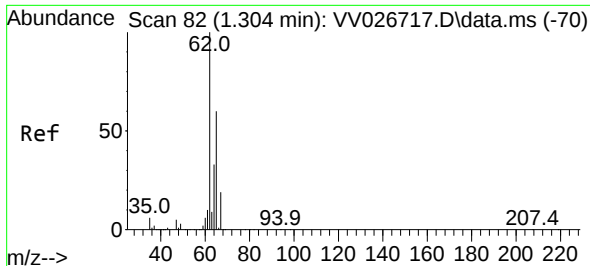
Tgt Ion: 85 Resp: 166665
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.8 38.8



#3
 Chloromethane
 Concen: 5.128 ug/L
 RT: 1.233 min Scan# 60
 Delta R.T. -0.003 min
 Lab File: VV026768.D
 Acq: 14 Jul 2022 09:26

Tgt Ion: 50 Resp: 140896
 Ion Ratio Lower Upper
 50 100
 52 33.2 22.8 42.4

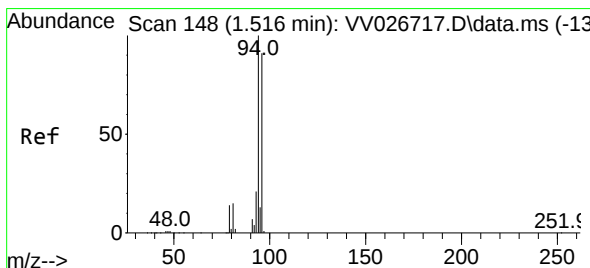
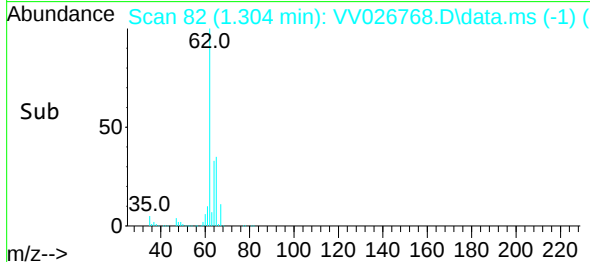
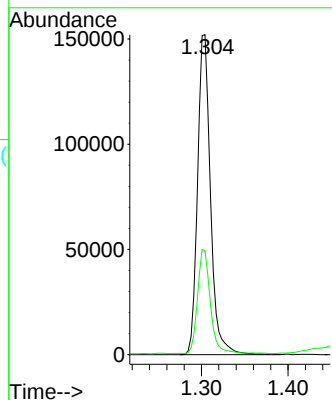
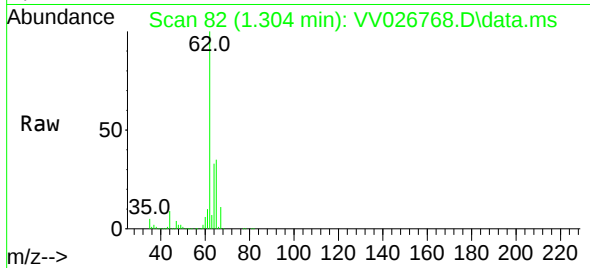




#5
 Vinyl chloride
 Concen: 5.642 ug/L
 RT: 1.304 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VV026768.D
 Acq: 14 Jul 2022 09:26

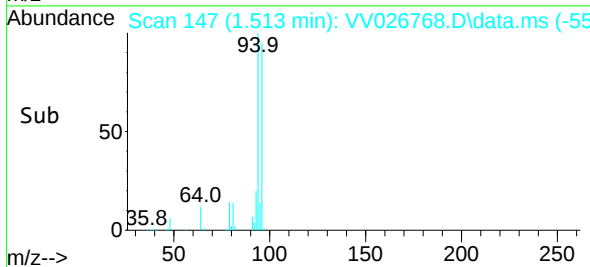
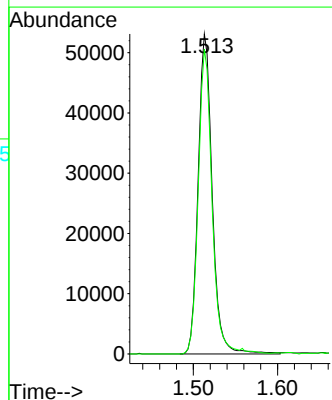
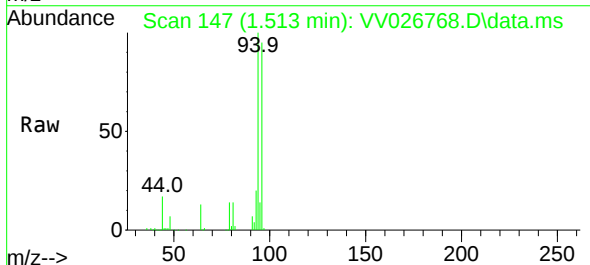
Instrument :
 MSVOA_V
 ClientSampleId :
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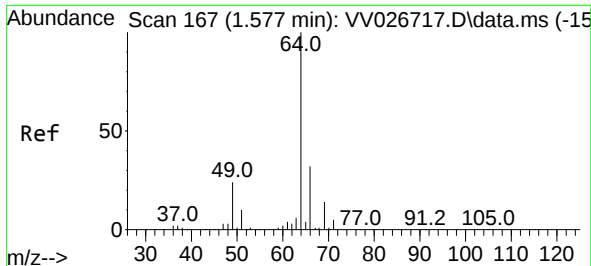
Tgt Ion: 62 Resp: 157837
 Ion Ratio Lower Upper
 62 100
 64 32.5 22.9 42.5



#6
 Bromomethane
 Concen: 3.692 ug/L
 RT: 1.513 min Scan# 147
 Delta R.T. -0.003 min
 Lab File: VV026768.D
 Acq: 14 Jul 2022 09:26

Tgt Ion: 94 Resp: 61826
 Ion Ratio Lower Upper
 94 100
 96 95.2 67.1 124.7

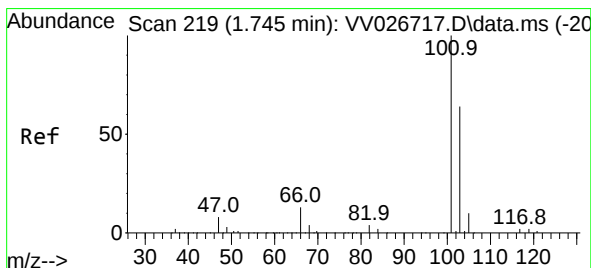
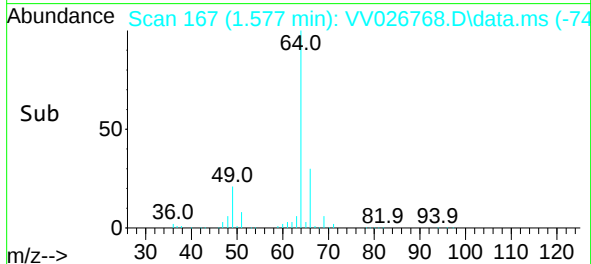
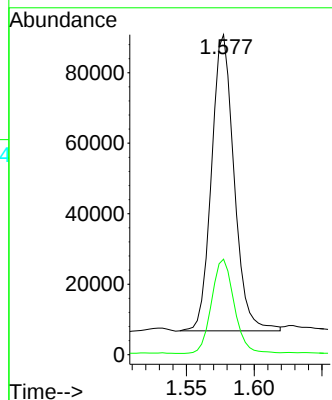
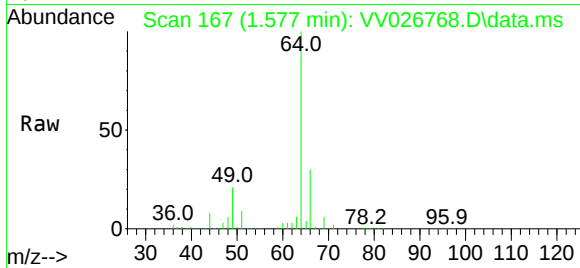




#8
Chloroethane
Concen: 5.911 ug/L
RT: 1.577 min Scan# 167
Delta R.T. -0.000 min
Lab File: VV026768.D
Acq: 14 Jul 2022 09:26

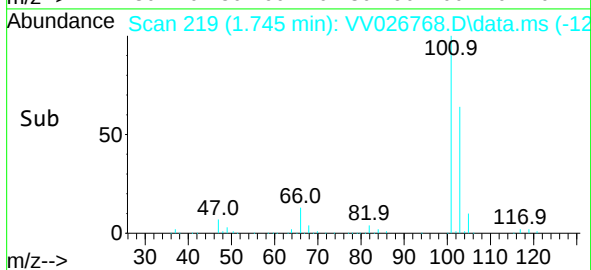
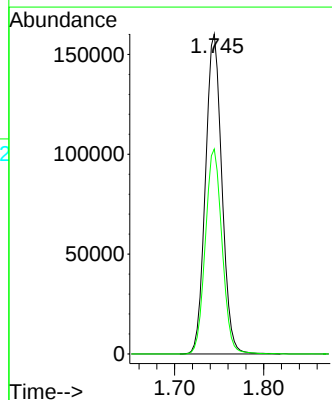
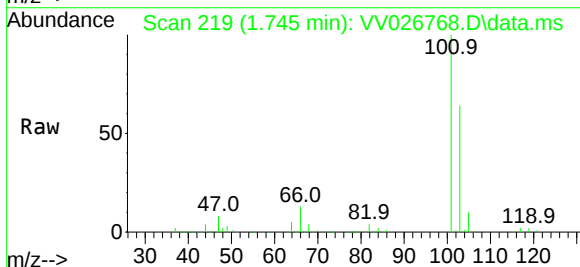
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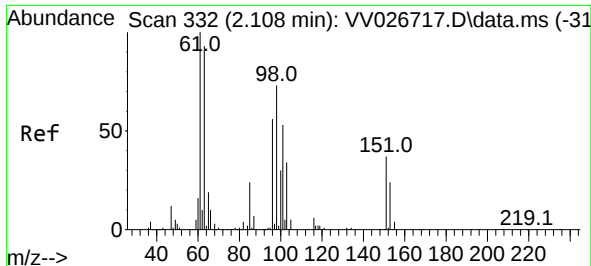
Tgt Ion: 64 Resp: 97440
Ion Ratio Lower Upper
64 100
66 29.9 23.9 44.5



#9
Trichlorofluoromethane
Concen: 5.757 ug/L
RT: 1.745 min Scan# 219
Delta R.T. -0.000 min
Lab File: VV026768.D
Acq: 14 Jul 2022 09:26

Tgt Ion:101 Resp: 204665
Ion Ratio Lower Upper
101 100
103 65.2 51.6 77.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.744 ug/L

RT: 2.105 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV026768.D

Acq: 14 Jul 2022 09:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD005353

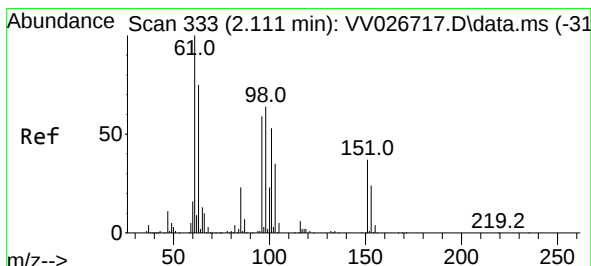
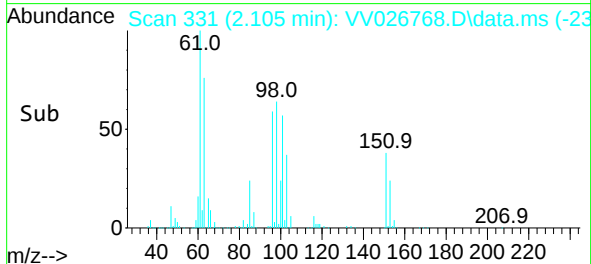
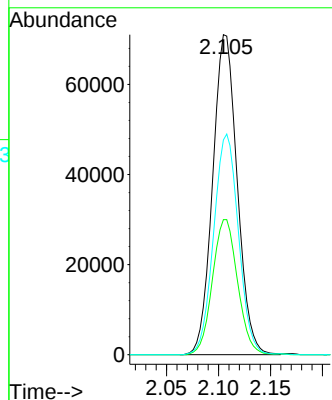
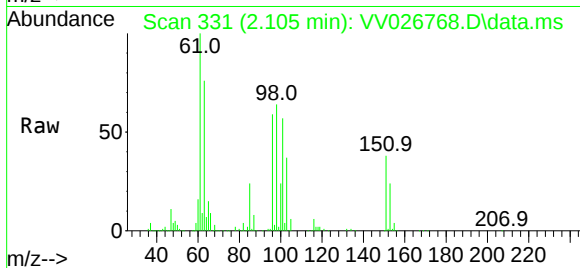
Tgt Ion:101 Resp: 116980

Ion Ratio Lower Upper

101 100

85 43.2 35.0 52.4

151 69.7 56.7 85.1



#12

1,1-Dichloroethene

Concen: 5.596 ug/L

RT: 2.108 min Scan# 332

Delta R.T. -0.003 min

Lab File: VV026768.D

Acq: 14 Jul 2022 09:26

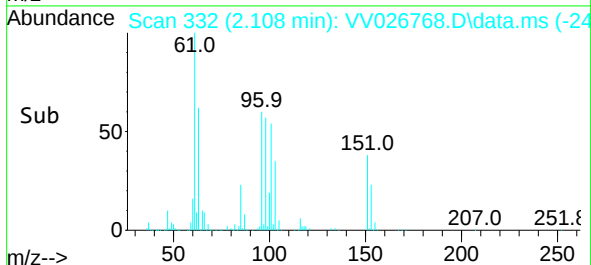
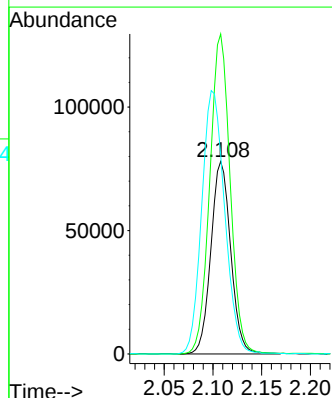
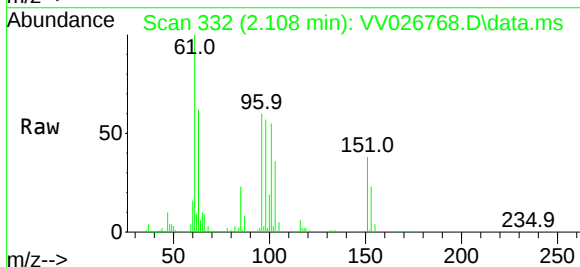
Tgt Ion: 96 Resp: 110498

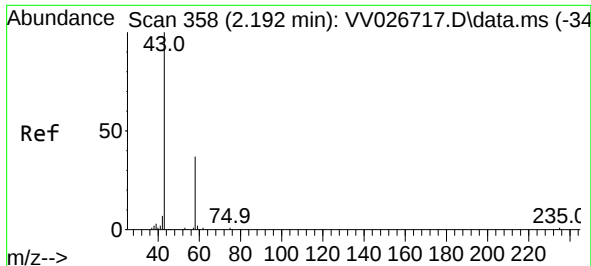
Ion Ratio Lower Upper

96 100

61 166.3 118.3 219.7

63 103.5 79.9 148.3

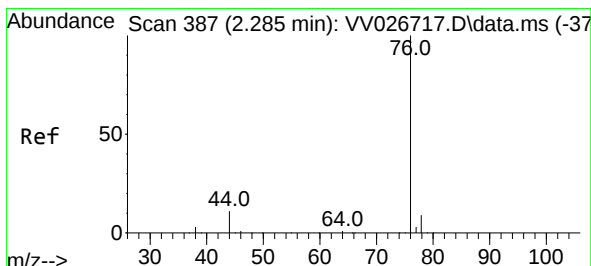
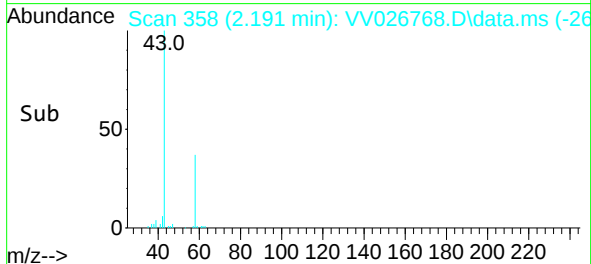
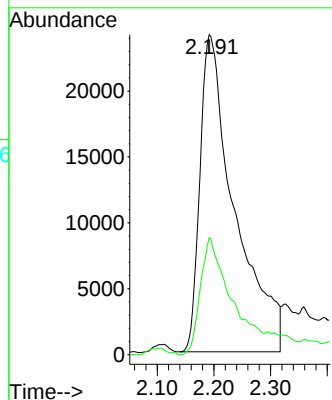
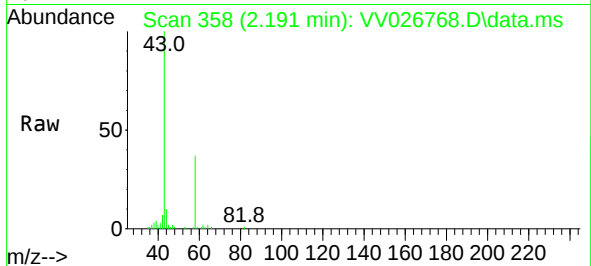




#13
Acetone
Concen: 37.817 ug/L
RT: 2.191 min Scan# 31
Delta R.T. 0.006 min
Lab File: VV026768.D
Acq: 14 Jul 2022 09:26

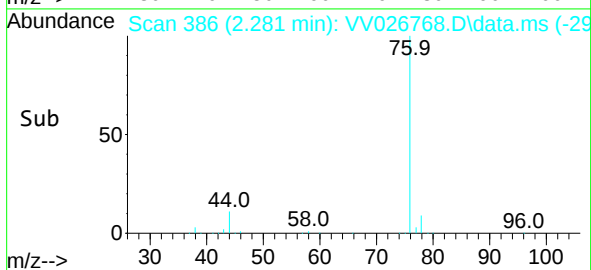
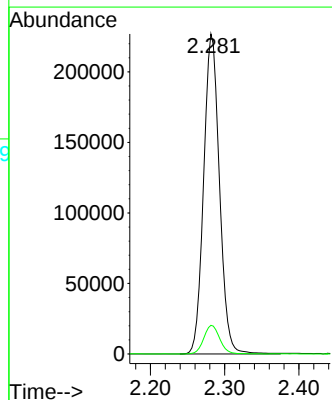
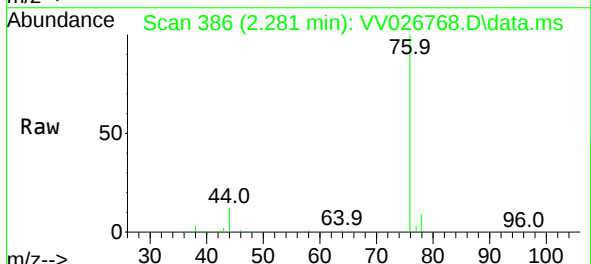
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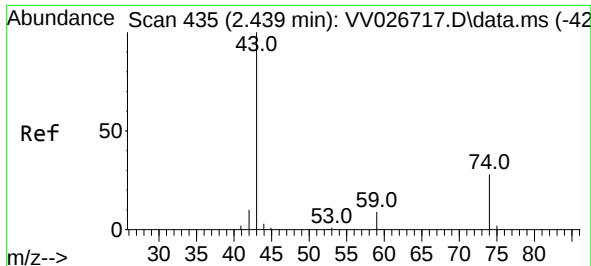
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Ion Ratio Lower Upper
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58 33.2 0.0 20.6#



#14
Carbon disulfide
Concen: 5.759 ug/L
RT: 2.281 min Scan# 386
Delta R.T. -0.003 min
Lab File: VV026768.D
Acq: 14 Jul 2022 09:26

Tgt Ion: 76 Resp: 335079
Ion Ratio Lower Upper
76 100
78 8.9 7.7 11.5

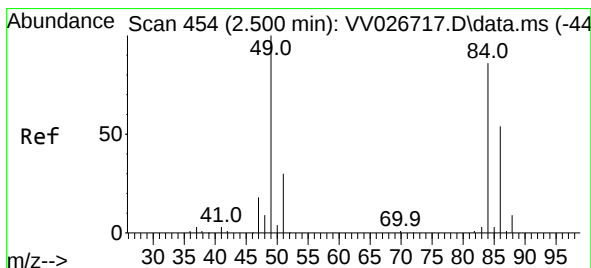
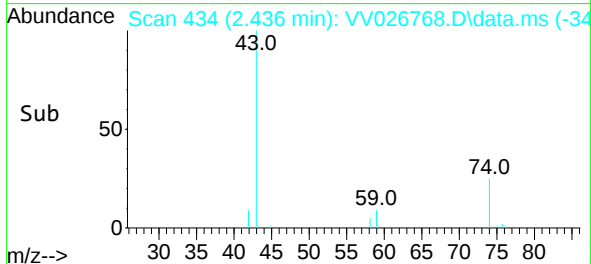
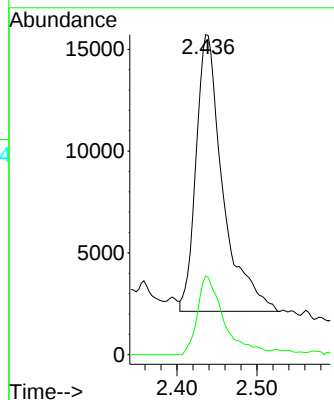
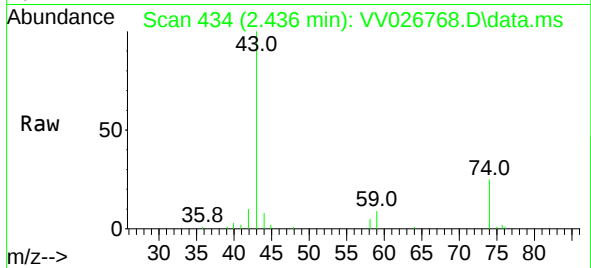




#15
Methyl Acetate
Concen: 5.818 ug/L
RT: 2.436 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV026768.D
Acq: 14 Jul 2022 09:26

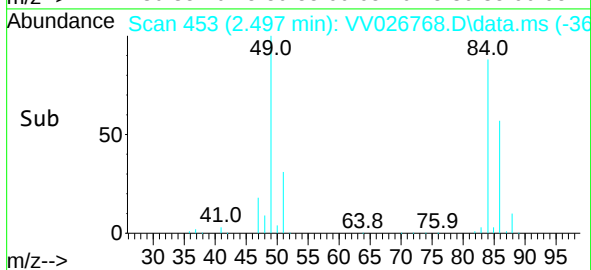
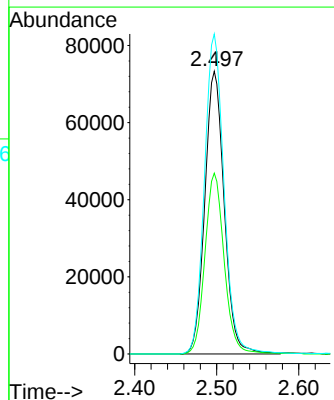
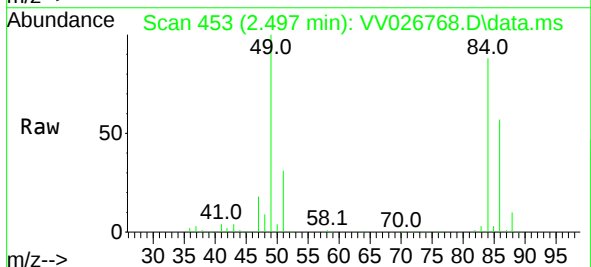
Instrument :
MSVOA_V
ClientSampleId :
VSTD005353

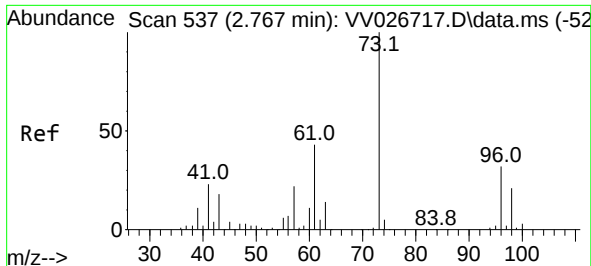
Tgt Ion: 43 Resp: 31748
Ion Ratio Lower Upper
43 100
74 27.9 20.1 30.1



#16
Methylene chloride
Concen: 5.141 ug/L
RT: 2.497 min Scan# 453
Delta R.T. -0.003 min
Lab File: VV026768.D
Acq: 14 Jul 2022 09:26

Tgt Ion: 84 Resp: 120930
Ion Ratio Lower Upper
84 100
86 64.0 44.8 83.2
49 113.2 78.7 146.1

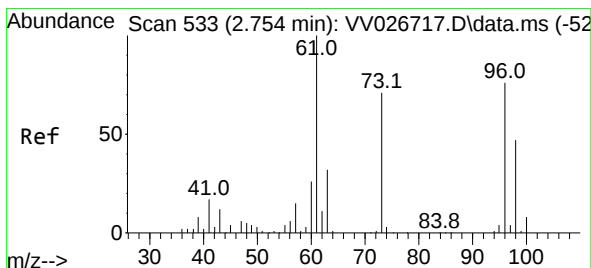
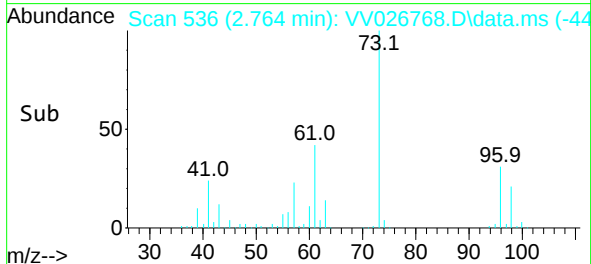
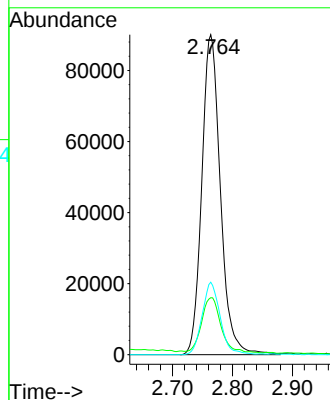
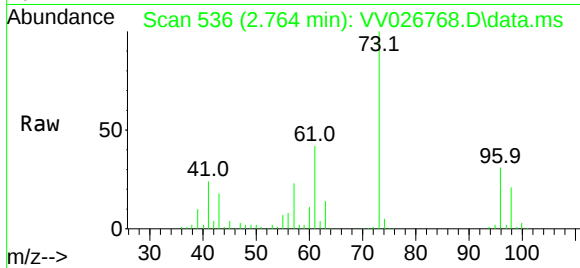




#17
Methyl tert-butyl Ether
Concen: 5.724 ug/L
RT: 2.764 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV026768.D
Acq: 14 Jul 2022 09:26

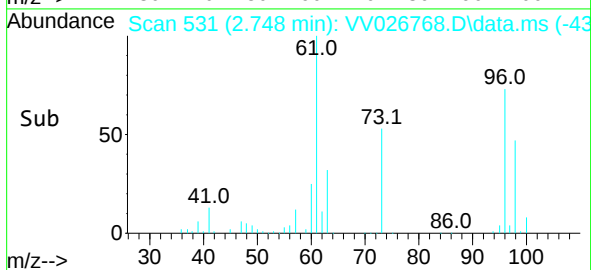
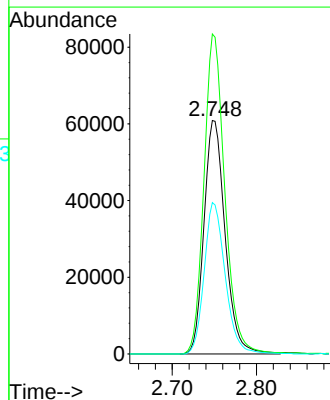
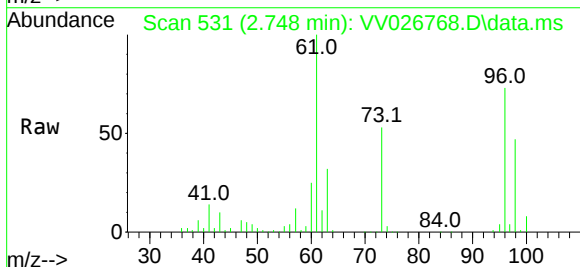
Instrument :
MSVOA_V
ClientSampleId :
VSTD005353

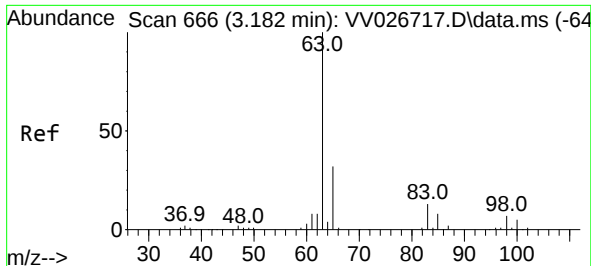
Tgt Ion: 73 Resp: 194748
Ion Ratio Lower Upper
73 100
43 18.0 14.0 21.0
57 21.9 17.6 26.4



#18
trans-1,2-Dichloroethene
Concen: 5.867 ug/L
RT: 2.748 min Scan# 531
Delta R.T. -0.003 min
Lab File: VV026768.D
Acq: 14 Jul 2022 09:26

Tgt Ion: 96 Resp: 106490
Ion Ratio Lower Upper
96 100
61 137.1 94.7 175.9
98 64.8 47.4 88.0





#19

1,1-Dichloroethane

Concen: 6.050 ug/L

RT: 3.179 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV026768.D

Acq: 14 Jul 2022 09:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD005353

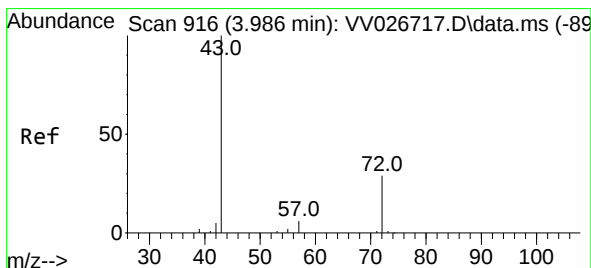
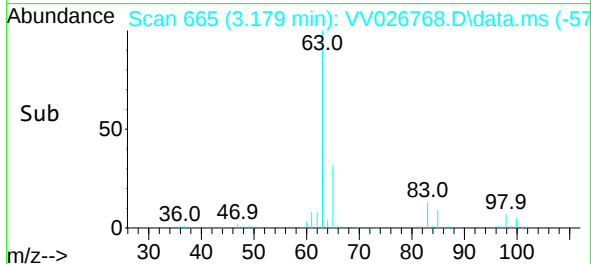
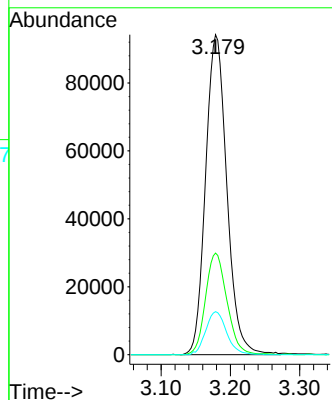
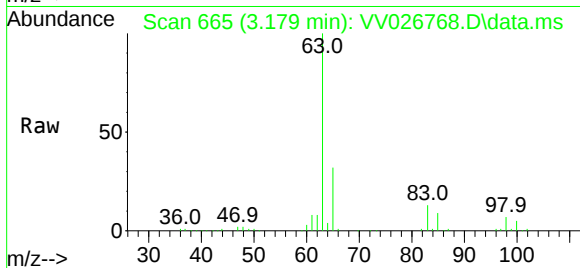
Tgt Ion: 63 Resp: 200530

Ion Ratio Lower Upper

63 100

65 31.7 22.3 41.3

83 13.5 9.9 18.5



#21

2-Butanone

Concen: 51.249 ug/L

RT: 3.989 min Scan# 917

Delta R.T. 0.006 min

Lab File: VV026768.D

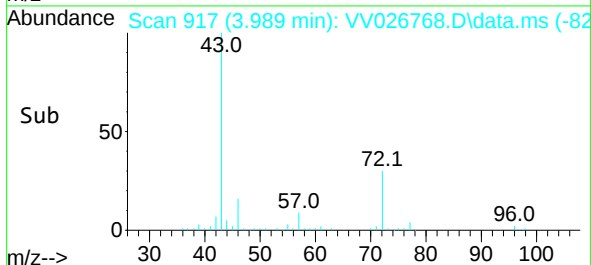
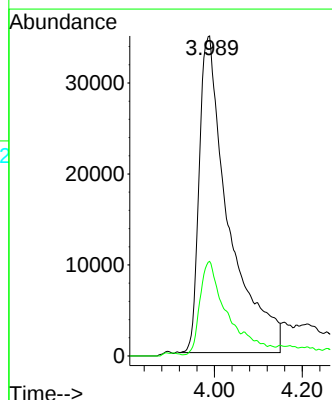
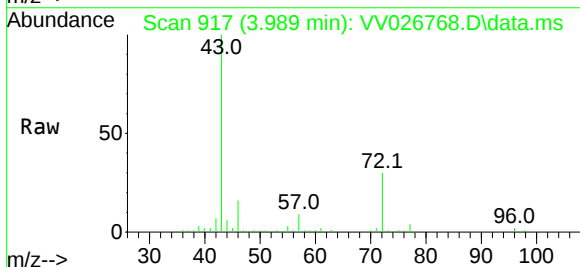
Acq: 14 Jul 2022 09:26

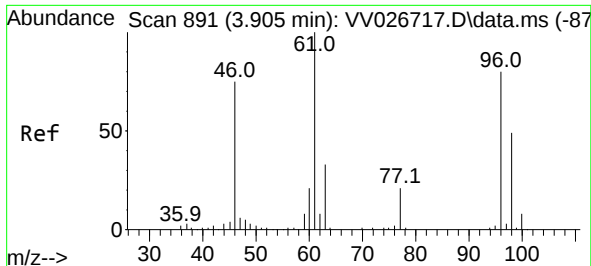
Tgt Ion: 43 Resp: 161260

Ion Ratio Lower Upper

43 100

72 23.8 13.9 41.7

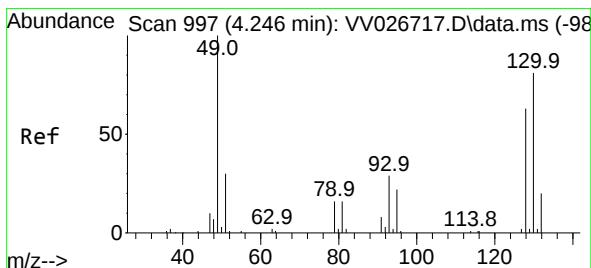
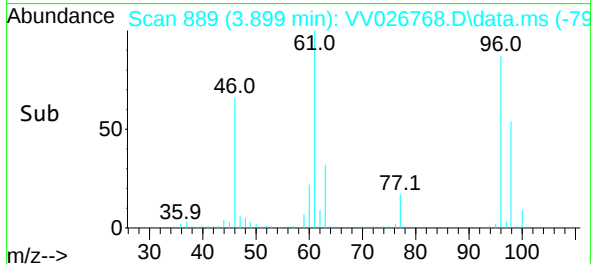
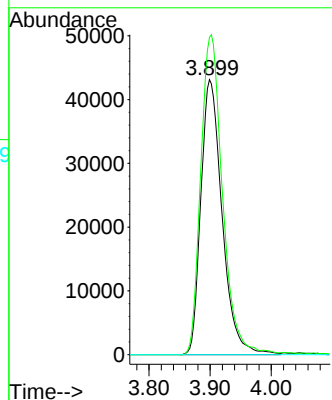
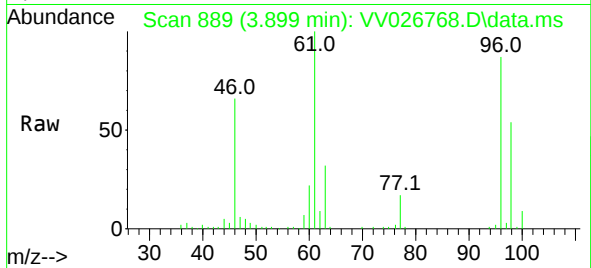




#22
 cis-1,2-Dichloroethene
 Concen: 5.682 ug/L
 RT: 3.899 min Scan# 891
 Delta R.T. -0.007 min
 Lab File: VV026768.D
 Acq: 14 Jul 2022 09:26

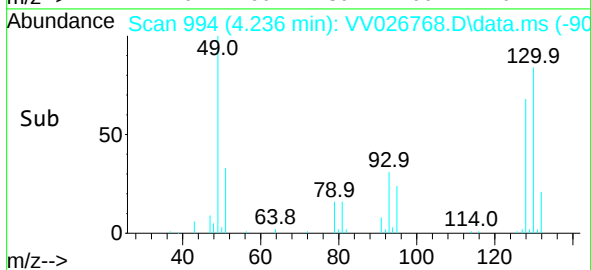
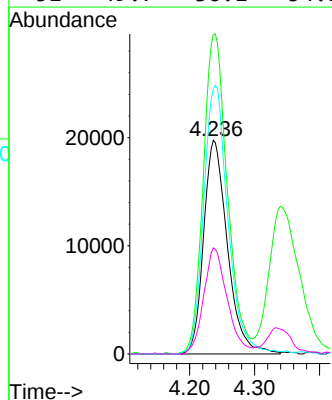
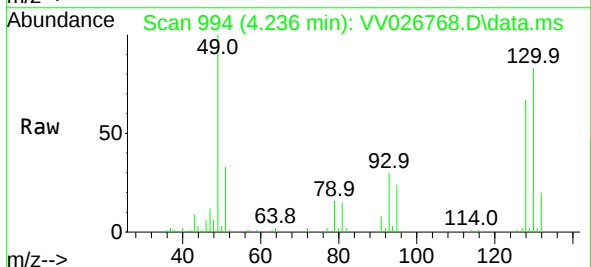
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005353

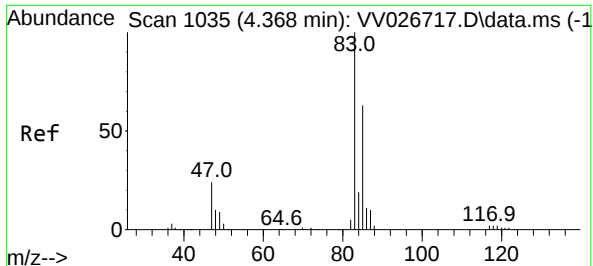
Tgt Ion: 96 Resp: 104024
 Ion Ratio Lower Upper
 96 100
 61 115.4 83.9 155.9
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.971 ug/L
 RT: 4.236 min Scan# 994
 Delta R.T. -0.003 min
 Lab File: VV026768.D
 Acq: 14 Jul 2022 09:26

Tgt Ion: 128 Resp: 50355
 Ion Ratio Lower Upper
 128 100
 49 149.5 107.2 199.2
 130 124.1 87.1 161.7
 51 49.7 36.1 54.1





#25

Chloroform

Concen: 5.864 ug/L

RT: 4.365 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VV026768.D

Acq: 14 Jul 2022 09:26

Instrument :

MSVOA_V

ClientSampleId :

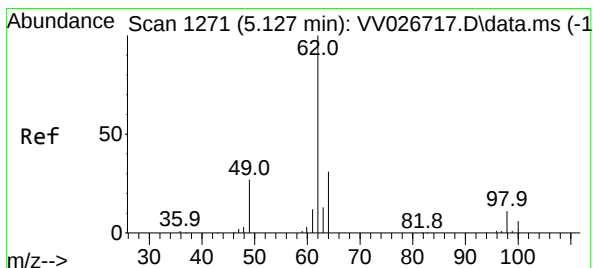
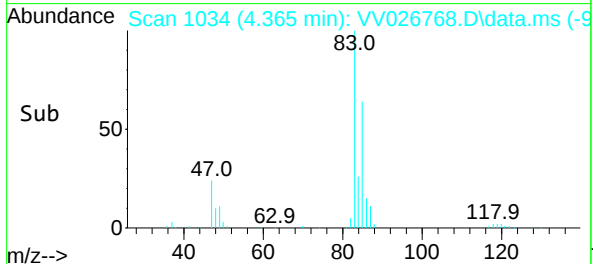
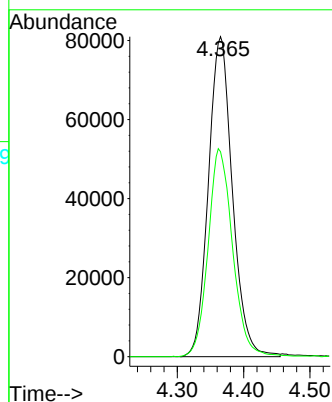
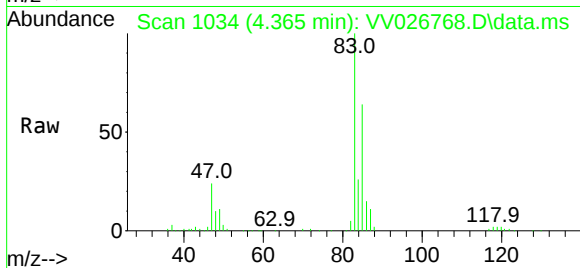
VSTD005353

Tgt Ion: 83 Resp: 203567

Ion Ratio Lower Upper

83 100

85 64.0 45.7 84.9



#27

1,2-Dichloroethane

Concen: 5.917 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. -0.003 min

Lab File: VV026768.D

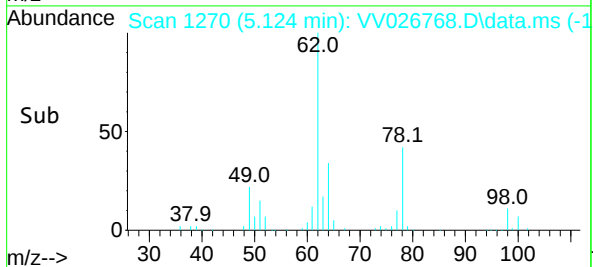
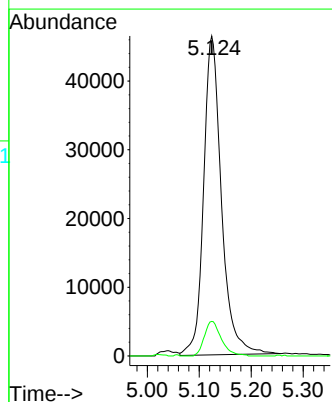
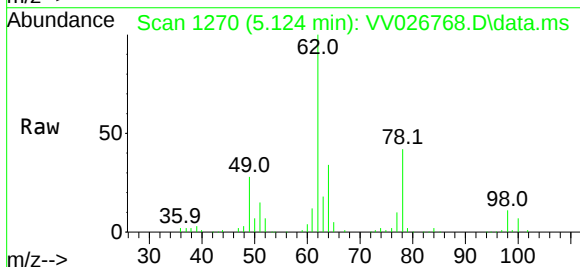
Acq: 14 Jul 2022 09:26

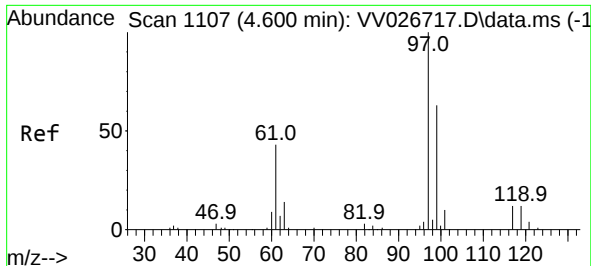
Tgt Ion: 62 Resp: 110681

Ion Ratio Lower Upper

62 100

98 10.8 8.3 12.5





#29

1,1,1-Trichloroethane

Concen: 5.743 ug/L

RT: 4.596 min Scan# 1106

Delta R.T. -0.003 min

Lab File: VV026768.D

Acq: 14 Jul 2022 09:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD005353

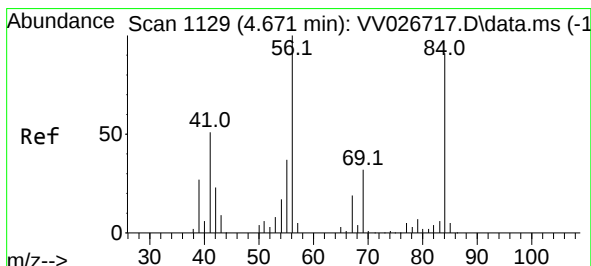
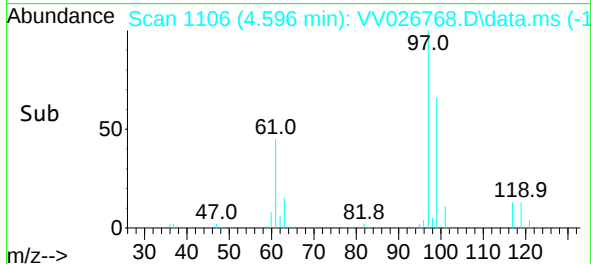
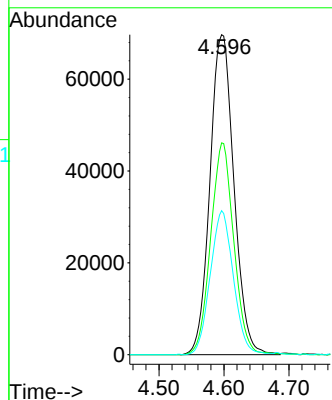
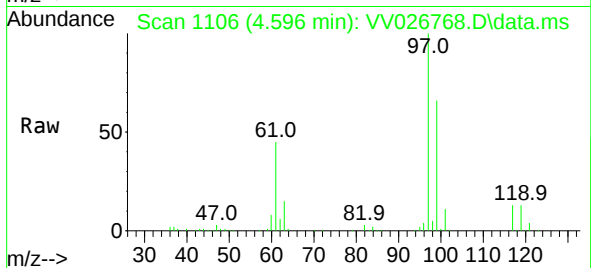
Tgt Ion: 97 Resp: 178951

Ion Ratio Lower Upper

97 100

99 63.8 51.3 76.9

61 43.4 35.1 52.7



#30

Cyclohexane

Concen: 5.364 ug/L

RT: 4.664 min Scan# 1127

Delta R.T. -0.003 min

Lab File: VV026768.D

Acq: 14 Jul 2022 09:26

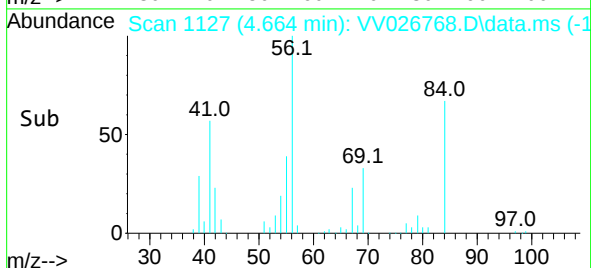
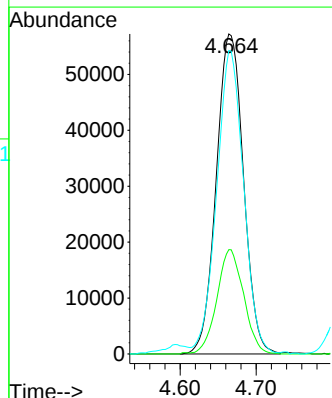
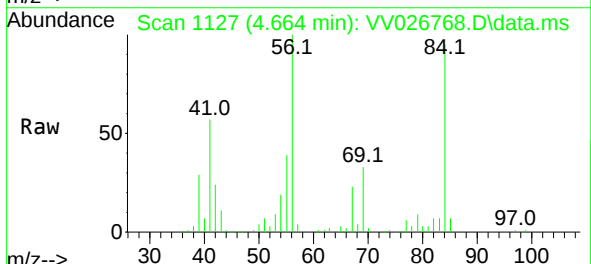
Tgt Ion: 56 Resp: 142442

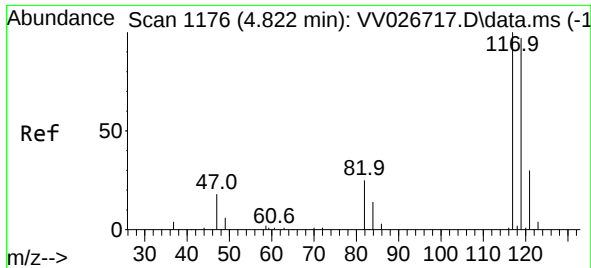
Ion Ratio Lower Upper

56 100

69 32.0 25.1 37.7

84 93.2 74.0 111.0

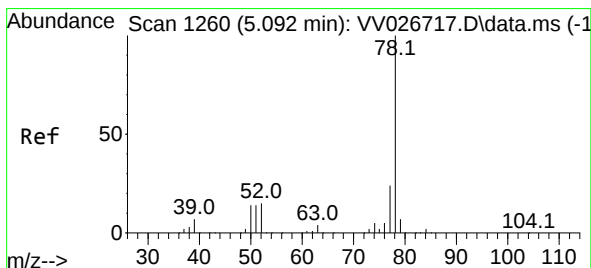
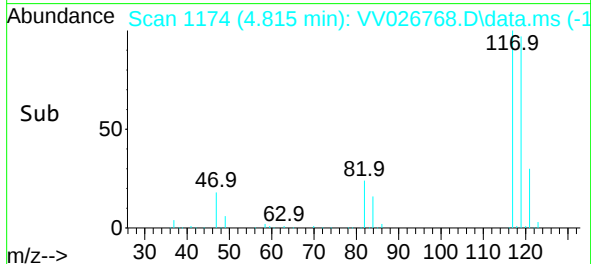
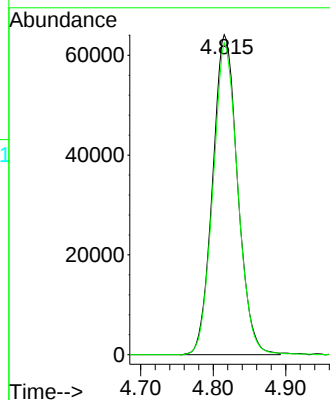
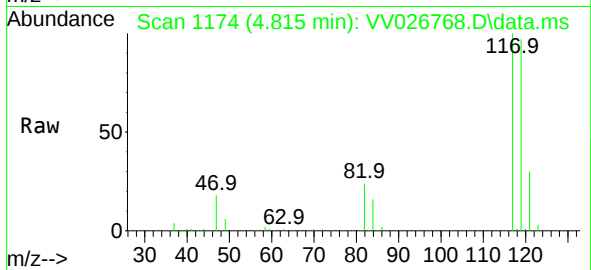




#31
Carbon tetrachloride
Concen: 5.595 ug/L
RT: 4.815 min Scan# 1176
Delta R.T. -0.003 min
Lab File: VV026768.D
Acq: 14 Jul 2022 09:26

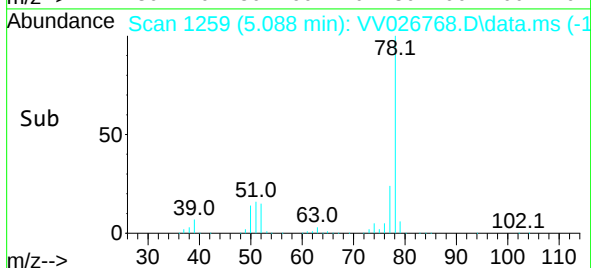
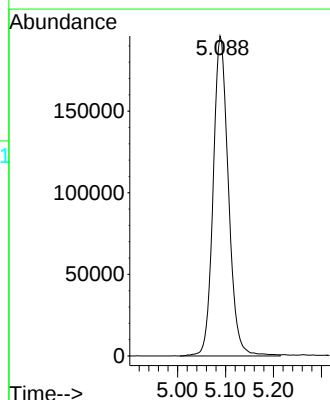
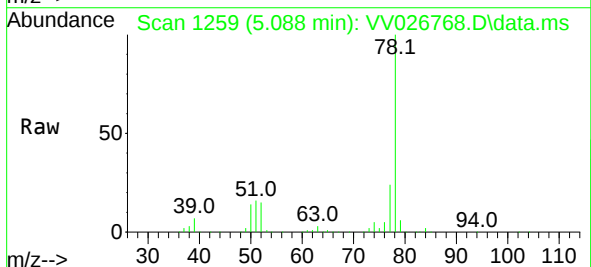
Instrument :
MSVOA_V
ClientSampleId :
VSTD005353

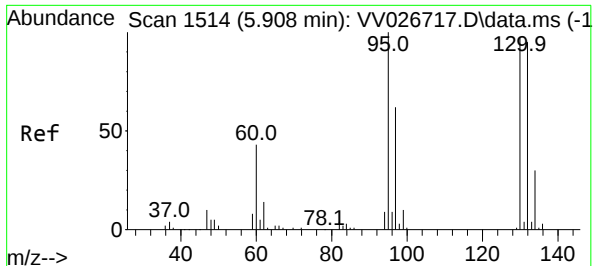
Tgt Ion:117 Resp: 153974
Ion Ratio Lower Upper
117 100
119 96.3 75.1 112.7



#33
Benzene
Concen: 5.615 ug/L
RT: 5.088 min Scan# 1259
Delta R.T. -0.003 min
Lab File: VV026768.D
Acq: 14 Jul 2022 09:26

Tgt Ion: 78 Resp: 434051



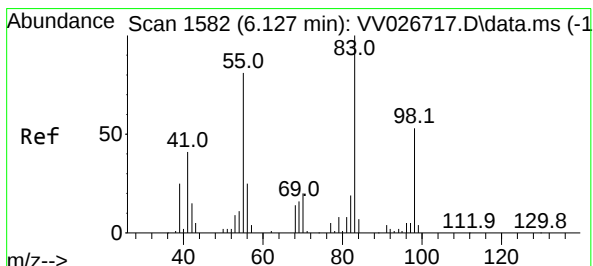
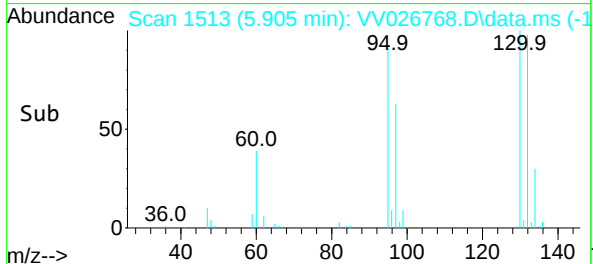
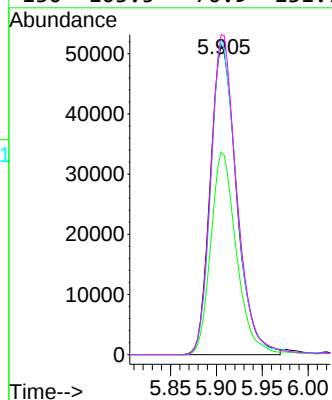
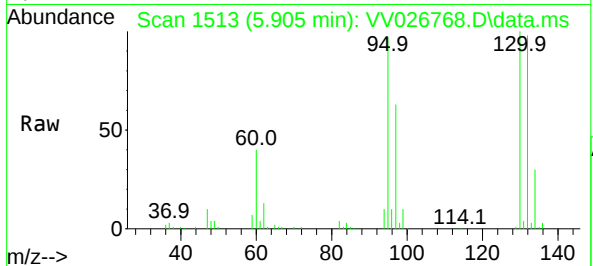


#34
Trichloroethene
Concen: 5.405 ug/L
RT: 5.905 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV026768.D
Acq: 14 Jul 2022 09:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD005353

Tgt Ion: 95 Resp: 102689

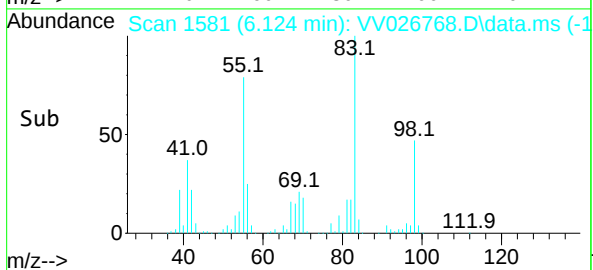
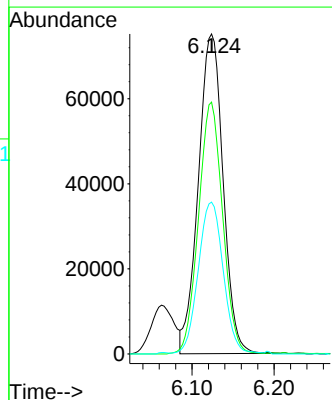
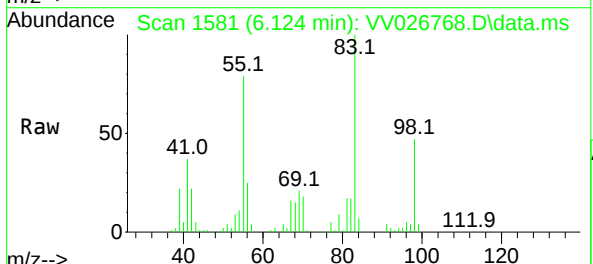
Ion	Ratio	Lower	Upper
95	100		
97	65.6	44.6	82.8
132	101.6	70.2	130.4
130	103.5	70.9	131.7

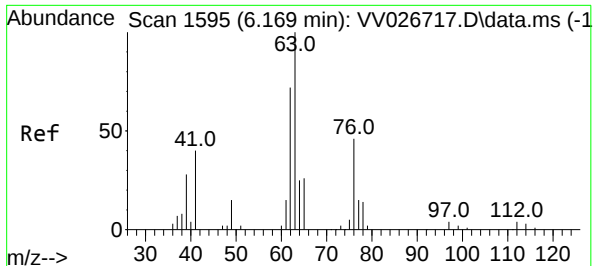


#35
Methylcyclohexane
Concen: 5.421 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. -0.003 min
Lab File: VV026768.D
Acq: 14 Jul 2022 09:26

Tgt Ion: 83 Resp: 157198

Ion	Ratio	Lower	Upper
83	100		
55	77.0	59.5	89.3
98	47.4	38.3	57.5





#37

1,2-Dichloropropane

Concen: 5.910 ug/L

RT: 6.166 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV026768.D

Acq: 14 Jul 2022 09:26

Instrument :

MSVOA_V

ClientSampleId :

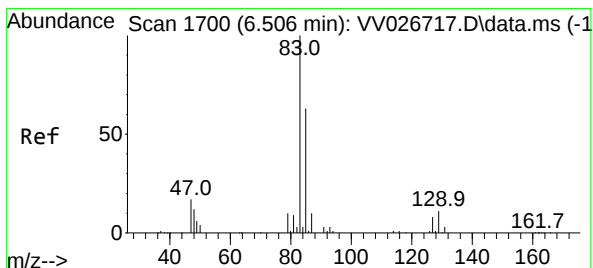
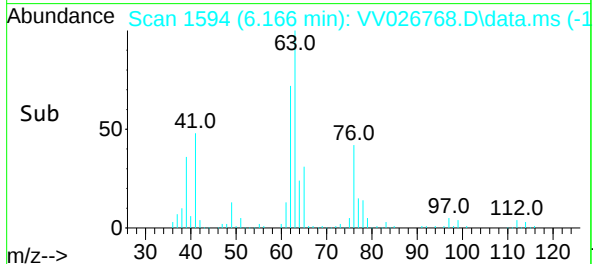
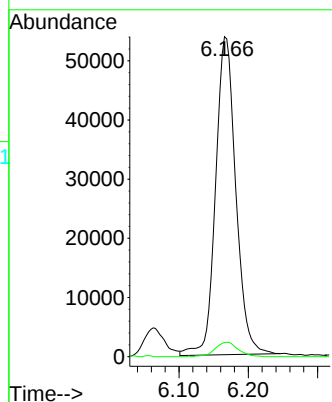
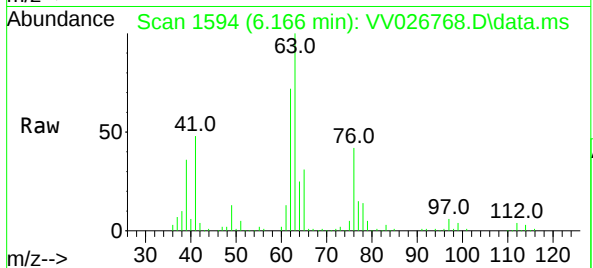
VSTD005353

Tgt Ion: 63 Resp: 109253

Ion Ratio Lower Upper

63 100

112 5.2 4.2 6.2



#38

Bromodichloromethane

Concen: 5.645 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VV026768.D

Acq: 14 Jul 2022 09:26

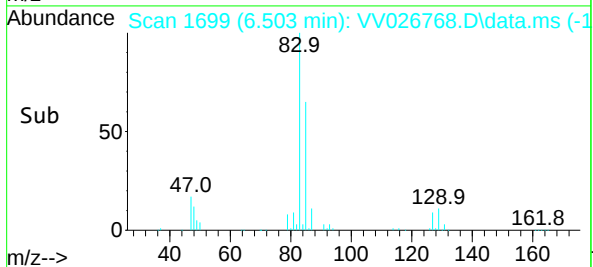
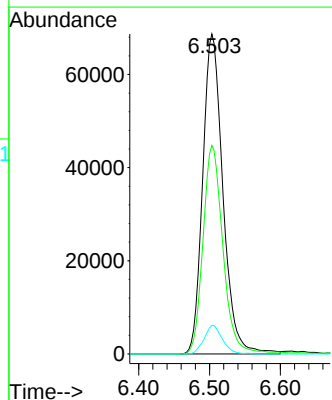
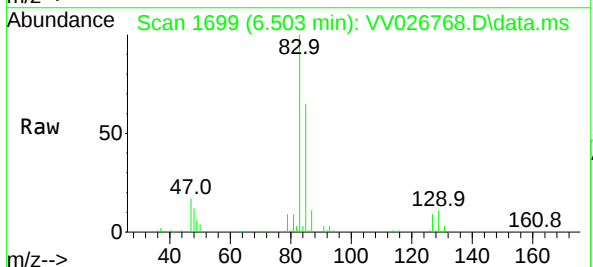
Tgt Ion: 83 Resp: 136050

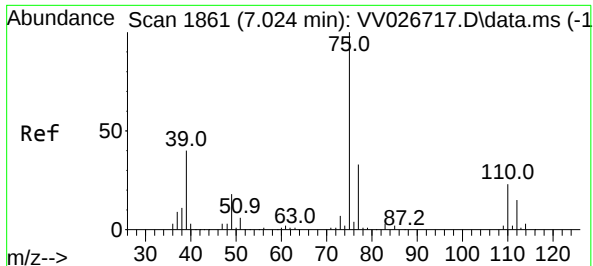
Ion Ratio Lower Upper

83 100

85 65.2 45.4 84.4

127 8.9 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 5.325 ug/L

RT: 7.021 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV026768.D

Acq: 14 Jul 2022 09:26

Instrument :

MSVOA_V

ClientSampleId :

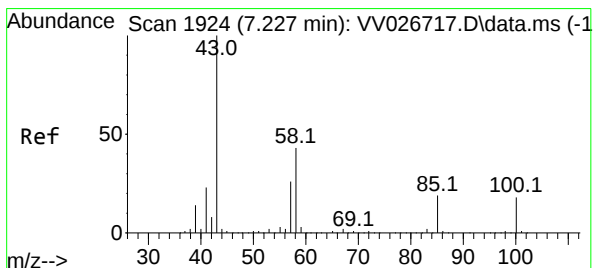
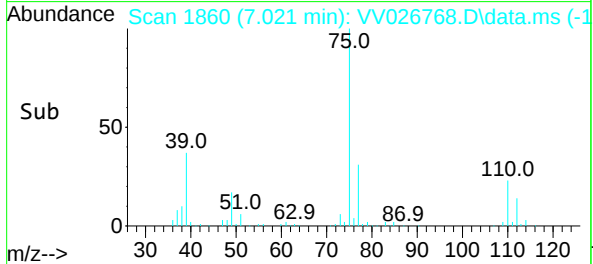
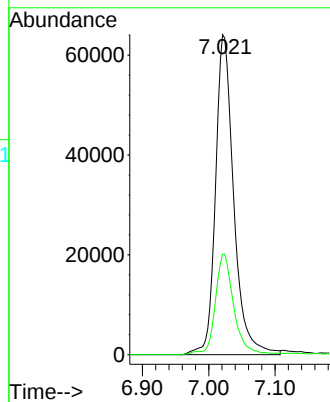
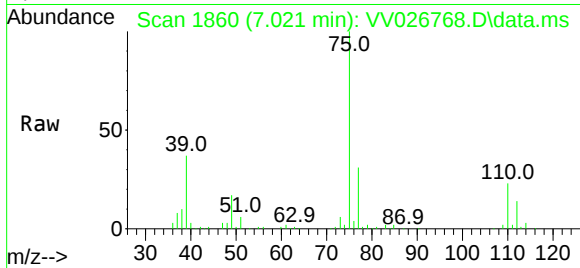
VSTD005353

Tgt Ion: 75 Resp: 122342

Ion Ratio Lower Upper

75 100

77 31.4 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 57.945 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.003 min

Lab File: VV026768.D

Acq: 14 Jul 2022 09:26

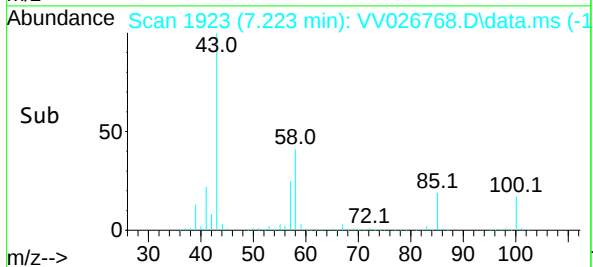
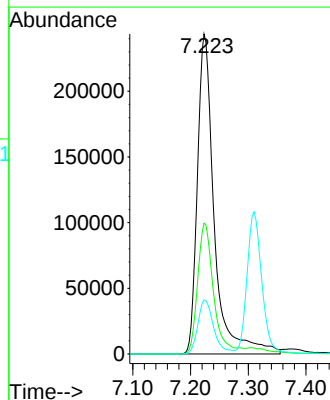
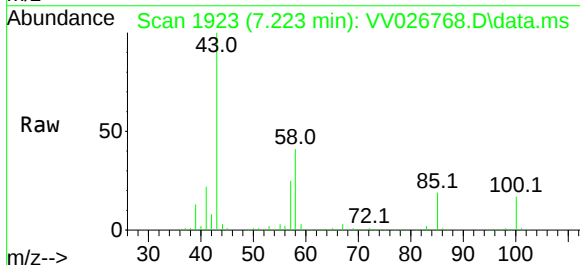
Tgt Ion: 43 Resp: 494794

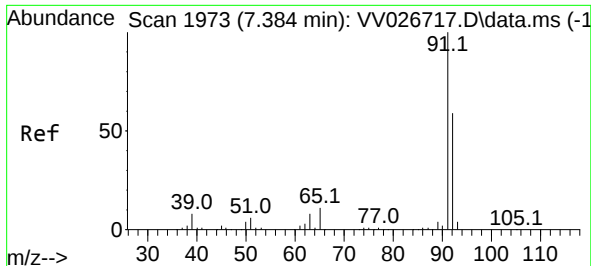
Ion Ratio Lower Upper

43 100

58 38.0 34.6 51.8

100 15.8 13.6 20.4





#42

Toluene

Concen: 5.944 ug/L

RT: 7.381 min Scan# 1973

Delta R.T. -0.003 min

Lab File: VV026768.D

Acq: 14 Jul 2022 09:26

Instrument :

MSVOA_V

ClientSampleId :

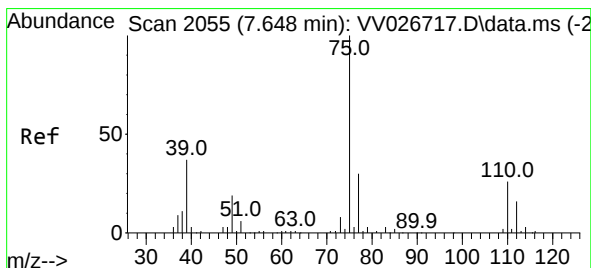
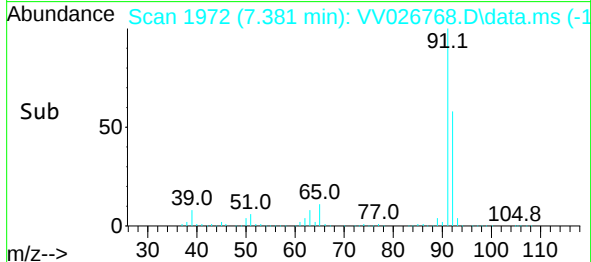
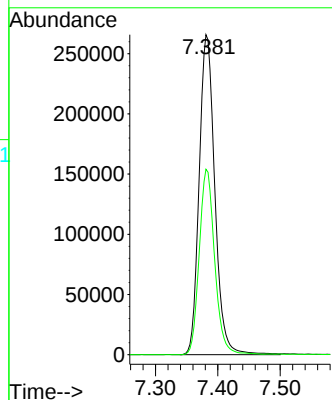
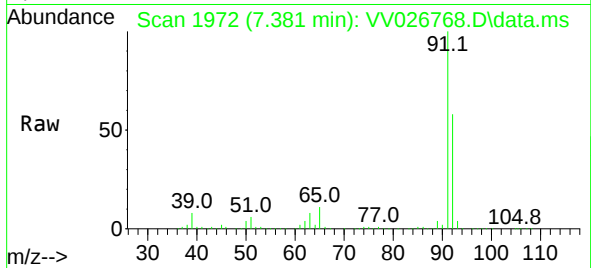
VSTD005353

Tgt Ion: 91 Resp: 464110

Ion Ratio Lower Upper

91 100

92 57.9 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 5.631 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. -0.000 min

Lab File: VV026768.D

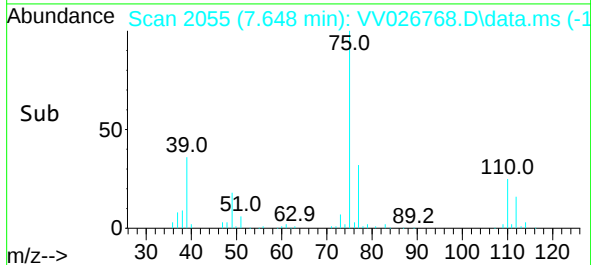
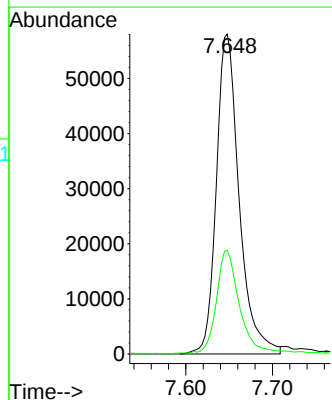
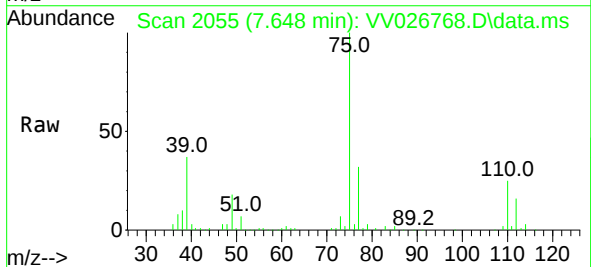
Acq: 14 Jul 2022 09:26

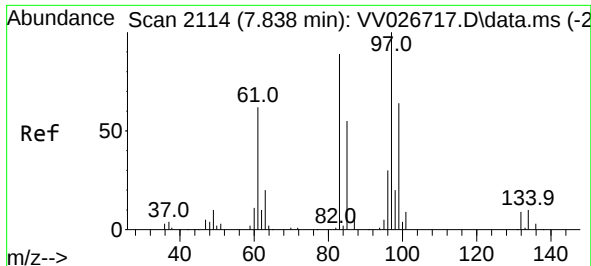
Tgt Ion: 75 Resp: 106220

Ion Ratio Lower Upper

75 100

77 32.4 22.7 42.3





#45

1,1,2-Trichloroethane

Concen: 5.604 ug/L

RT: 7.834 min Scan# 2114

Delta R.T. -0.003 min

Lab File: VV026768.D

Acq: 14 Jul 2022 09:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD005353

Tgt Ion: 97 Resp: 75735

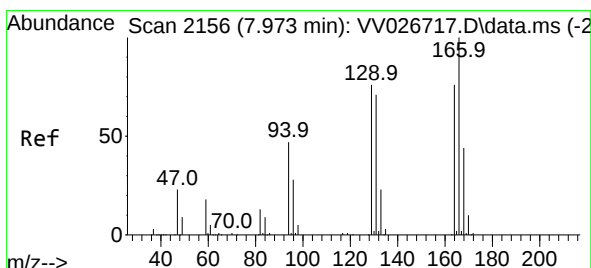
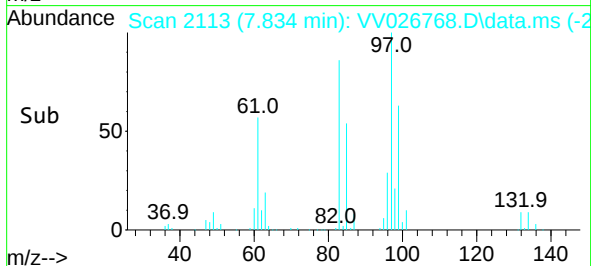
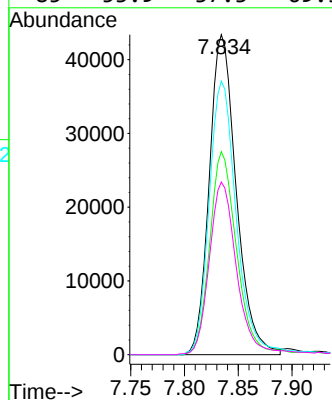
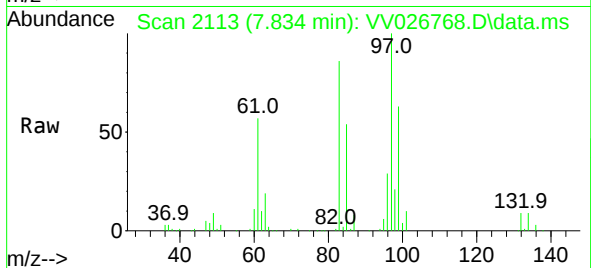
Ion Ratio Lower Upper

97 100

99 63.5 41.9 77.9

83 85.5 58.1 107.9

85 53.9 37.3 69.3



#47

Tetrachloroethene

Concen: 5.677 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.003 min

Lab File: VV026768.D

Acq: 14 Jul 2022 09:26

Tgt Ion: 164 Resp: 84607

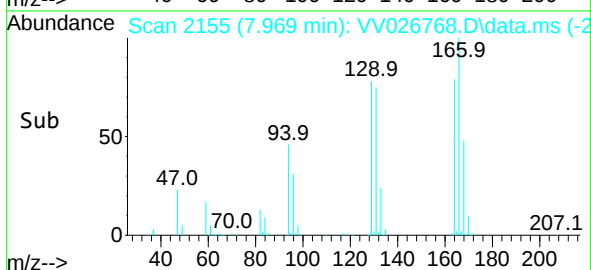
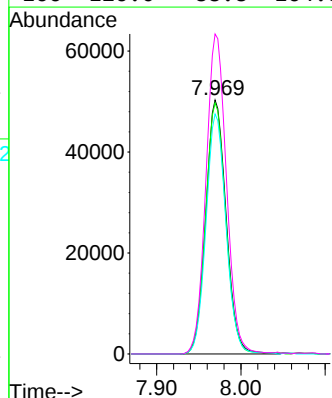
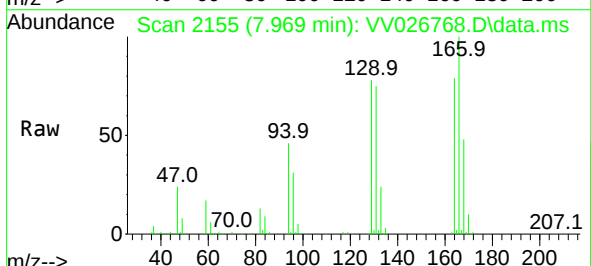
Ion Ratio Lower Upper

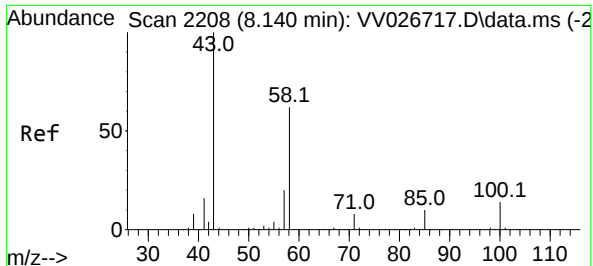
164 100

129 98.9 67.8 125.8

131 94.5 65.9 122.5

166 126.0 88.8 164.8





#48

2-Hexanone

Concen: 60.941 ug/L

RT: 8.137 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV026768.D

Acq: 14 Jul 2022 09:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD005353

Tgt Ion: 43 Resp: 376627

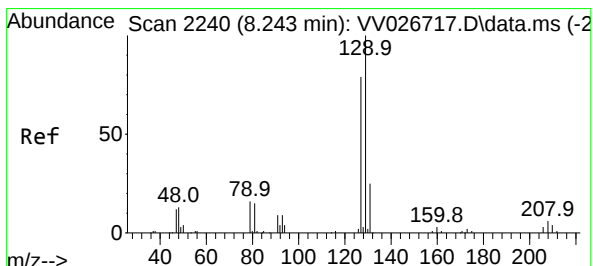
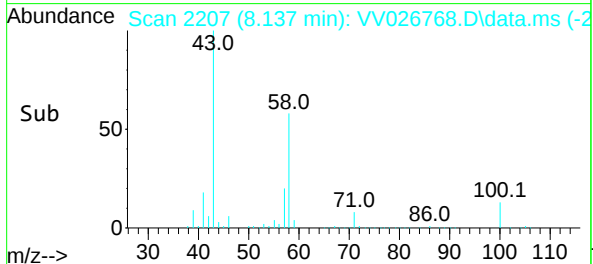
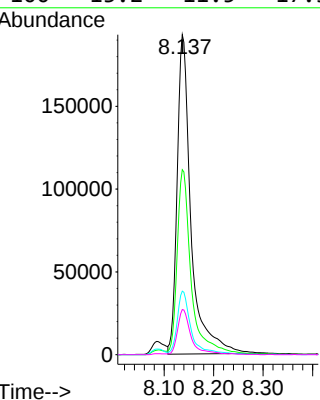
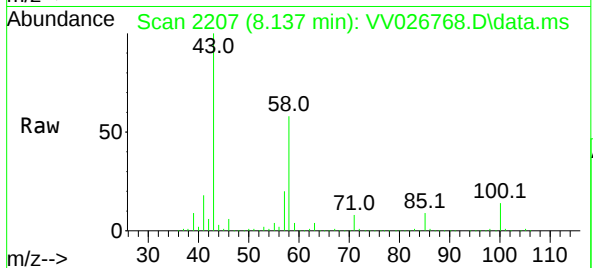
Ion Ratio Lower Upper

43 100

58 58.1 47.9 71.9

57 19.7 16.3 24.5

100 13.2 11.5 17.3



#49

Dibromochloromethane

Concen: 5.508 ug/L

RT: 8.243 min Scan# 2240

Delta R.T. -0.000 min

Lab File: VV026768.D

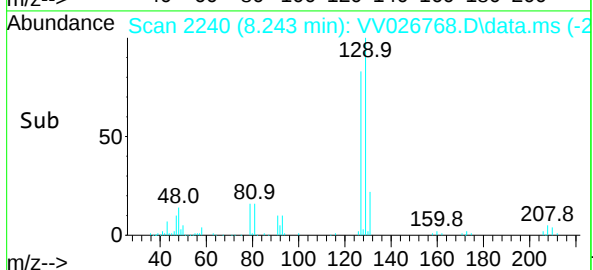
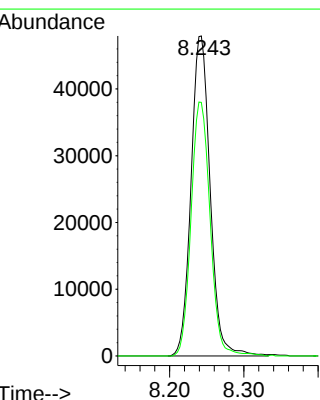
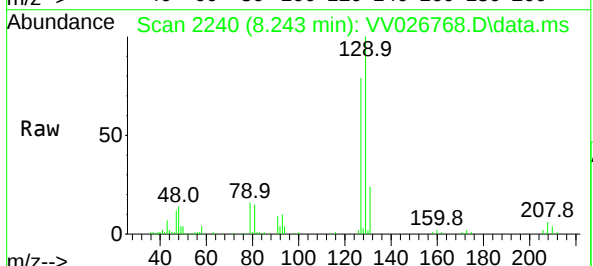
Acq: 14 Jul 2022 09:26

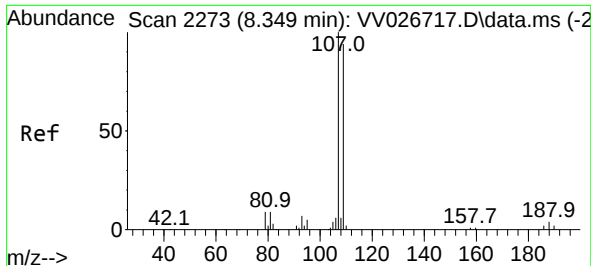
Tgt Ion: 129 Resp: 85783

Ion Ratio Lower Upper

129 100

127 79.2 55.7 103.5





#50

1,2-Dibromoethane

Concen: 5.620 ug/L

RT: 8.349 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV026768.D

Acq: 14 Jul 2022 09:26

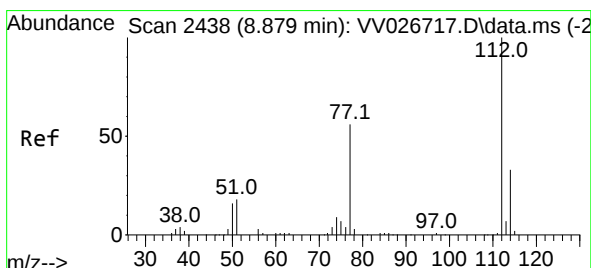
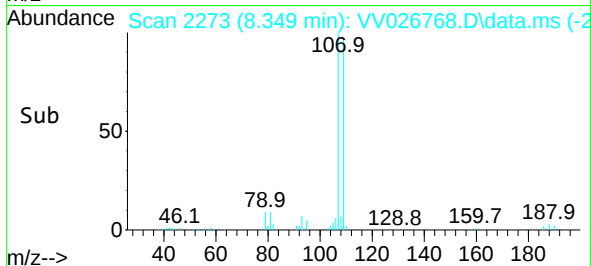
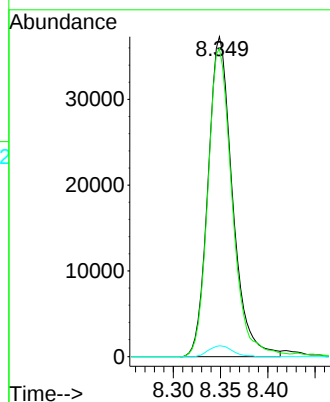
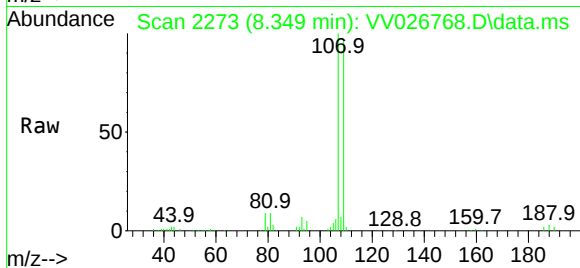
Instrument :

MSVOA_V

ClientSampleId :

VSTD005353

Tgt Ion:	107	Resp:	67202
Ion	Ratio	Lower	Upper
107	100		
109	96.2	68.0	126.4
188	3.4	2.8	4.2



#51

Chlorobenzene

Concen: 5.597 ug/L

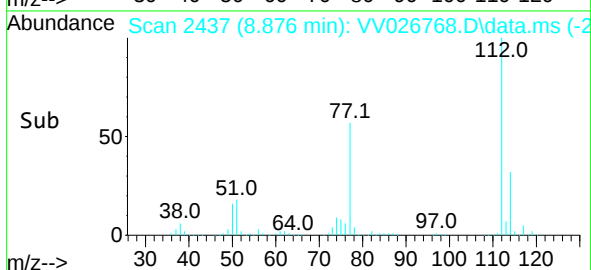
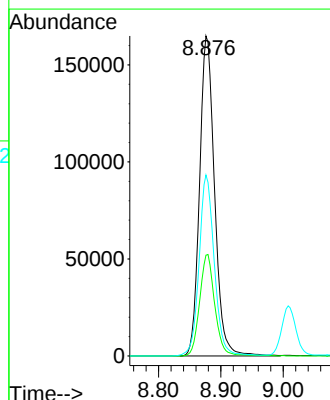
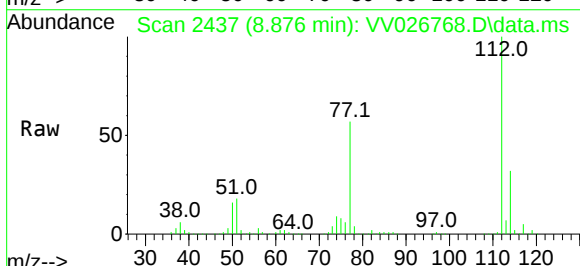
RT: 8.876 min Scan# 2437

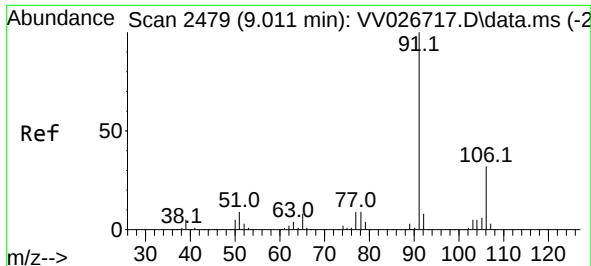
Delta R.T. -0.003 min

Lab File: VV026768.D

Acq: 14 Jul 2022 09:26

Tgt Ion:	112	Resp:	276278
Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.7	42.1
77	56.5	46.6	70.0





#52

Ethylbenzene

Concen: 5.430 ug/L

RT: 9.008 min Scan# 2479

Delta R.T. -0.003 min

Lab File: VV026768.D

Acq: 14 Jul 2022 09:26

Instrument :

MSVOA_V

ClientSampleId :

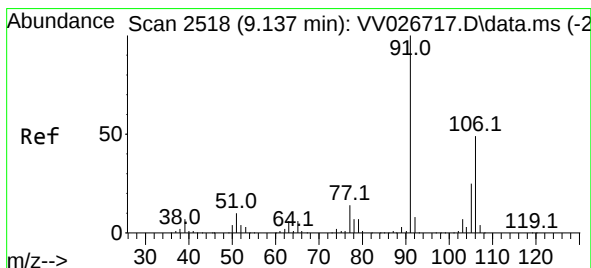
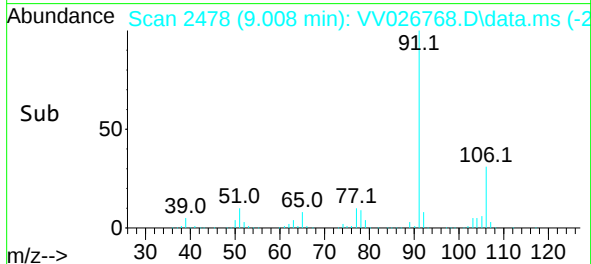
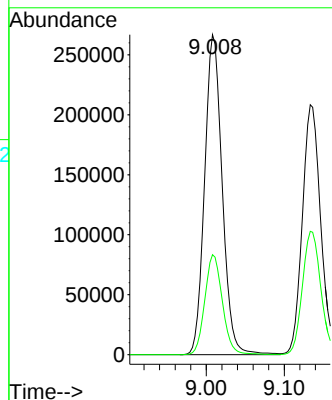
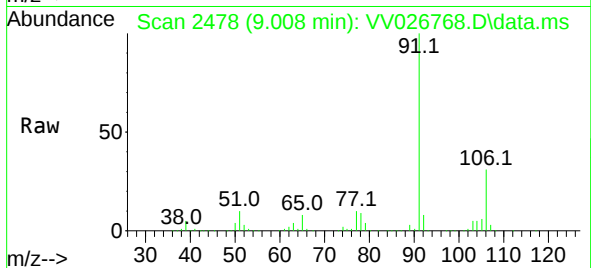
VSTD005353

Tgt Ion: 91 Resp: 419565

Ion Ratio Lower Upper

91 100

106 31.2 21.6 40.2



#53

m,p-Xylene

Concen: 5.675 ug/L

RT: 9.133 min Scan# 2517

Delta R.T. -0.003 min

Lab File: VV026768.D

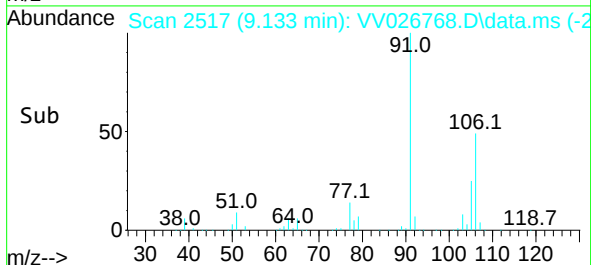
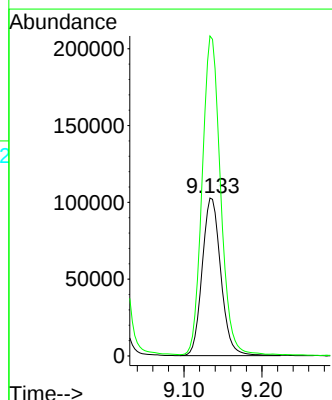
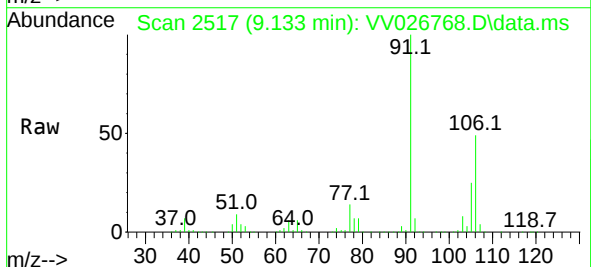
Acq: 14 Jul 2022 09:26

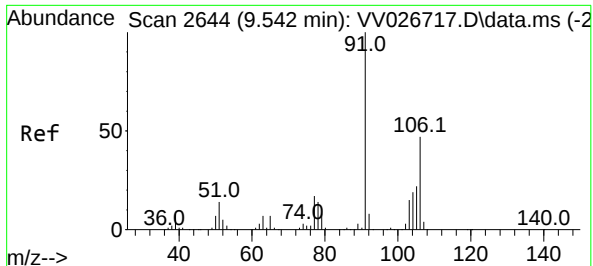
Tgt Ion: 106 Resp: 170514

Ion Ratio Lower Upper

106 100

91 202.6 139.3 258.7

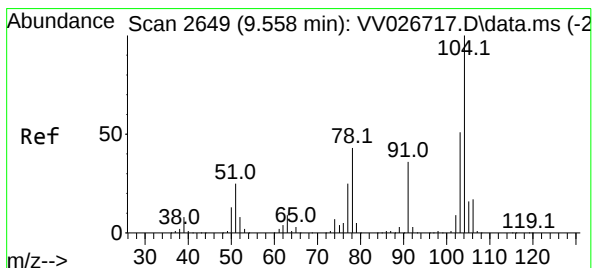
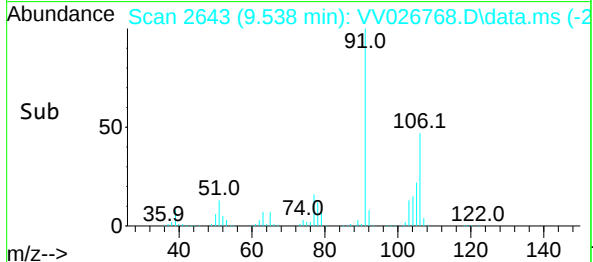
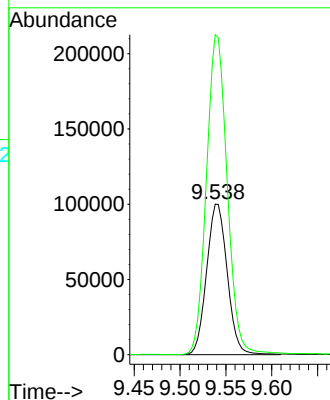
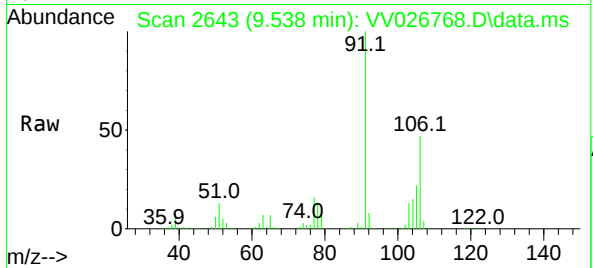




#54
o-Xylene
Concen: 5.487 ug/L
RT: 9.538 min Scan# 2643
Delta R.T. -0.003 min
Lab File: VV026768.D
Acq: 14 Jul 2022 09:26

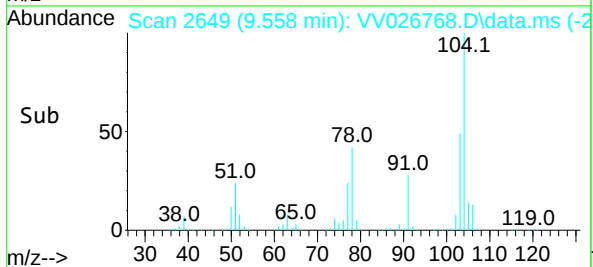
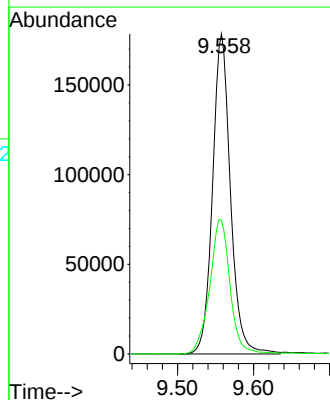
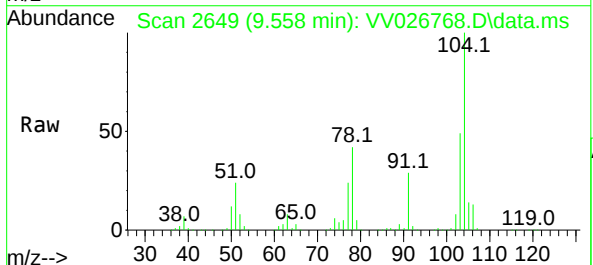
Instrument :
MSVOA_V
ClientSampleId :
VSTD005353

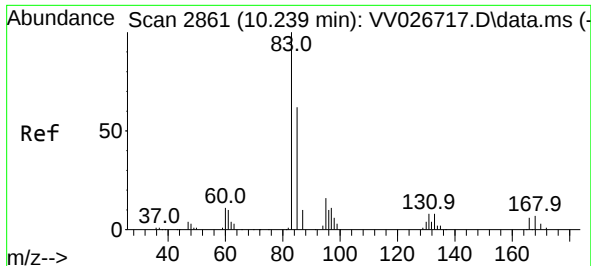
Tgt Ion:106 Resp: 156680
Ion Ratio Lower Upper
106 100
91 212.4 151.1 280.7



#55
Styrene
Concen: 5.832 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. -0.000 min
Lab File: VV026768.D
Acq: 14 Jul 2022 09:26

Tgt Ion:104 Resp: 291818
Ion Ratio Lower Upper
104 100
78 41.7 29.5 54.9

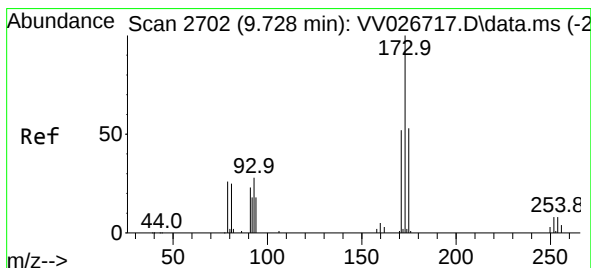
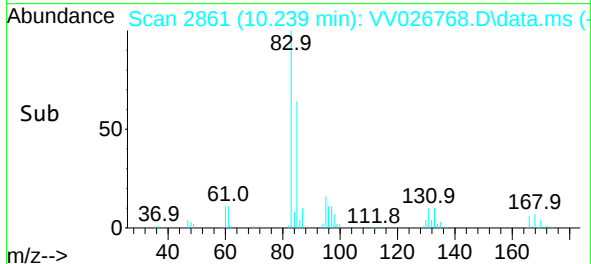
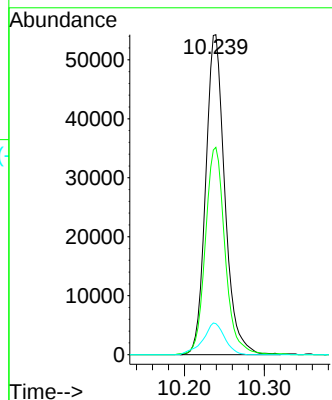
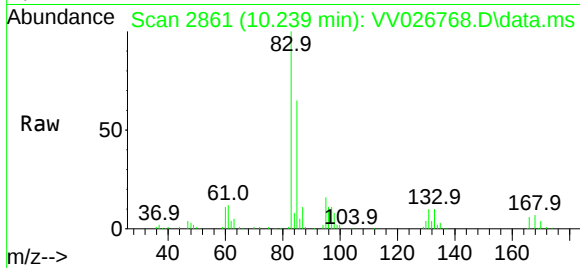




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.643 ug/L
 RT: 10.239 min Scan# 2861
 Delta R.T. -0.000 min
 Lab File: VV026768.D
 Acq: 14 Jul 2022 09:26

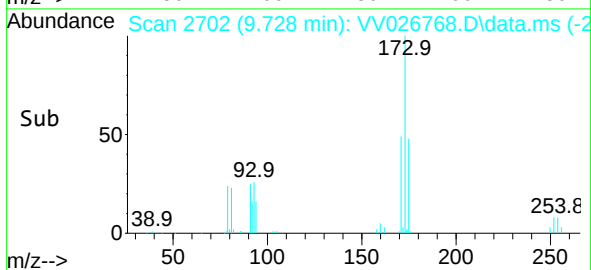
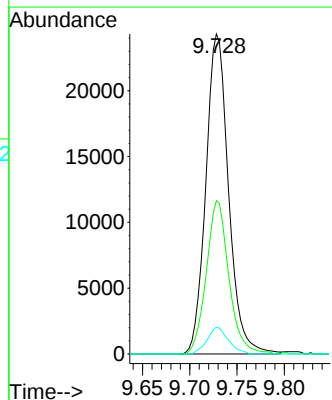
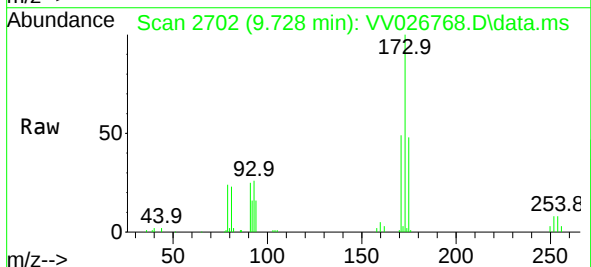
Instrument : MSVOA_V
 ClientSampleId : VSTD005353

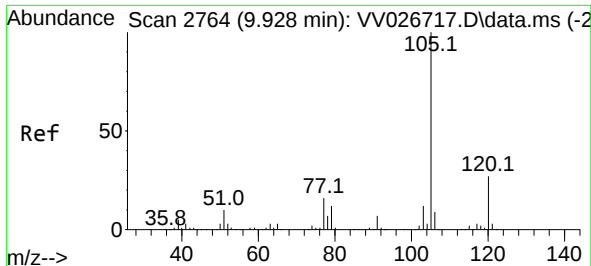
Tgt Ion: 83 Resp: 90274
 Ion Ratio Lower Upper
 83 100
 85 64.8 43.6 81.0
 131 9.7 7.4 11.2



#59
 Bromoform
 Concen: 5.102 ug/L
 RT: 9.728 min Scan# 2702
 Delta R.T. -0.000 min
 Lab File: VV026768.D
 Acq: 14 Jul 2022 09:26

Tgt Ion: 173 Resp: 40625
 Ion Ratio Lower Upper
 173 100
 175 47.5 40.7 61.1
 254 7.8 6.5 9.7

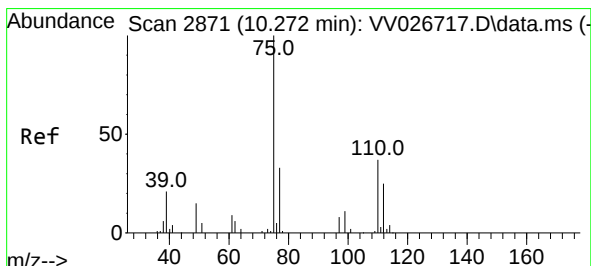
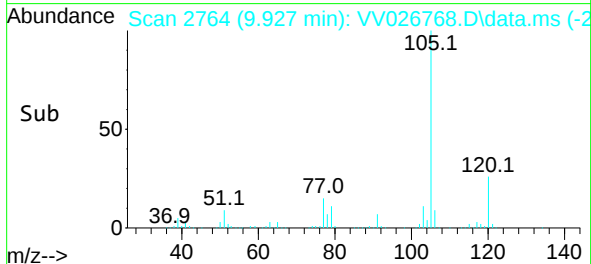
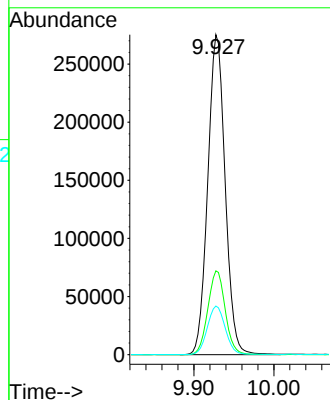
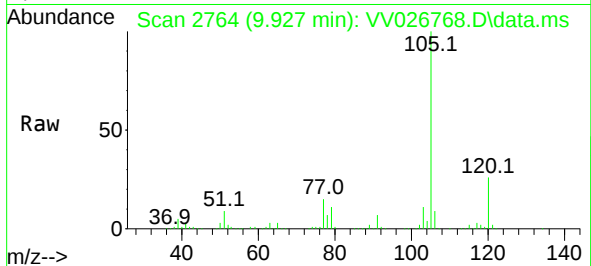




#60
Isopropylbenzene
Concen: 5.389 ug/L
RT: 9.927 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV026768.D
Acq: 14 Jul 2022 09:26

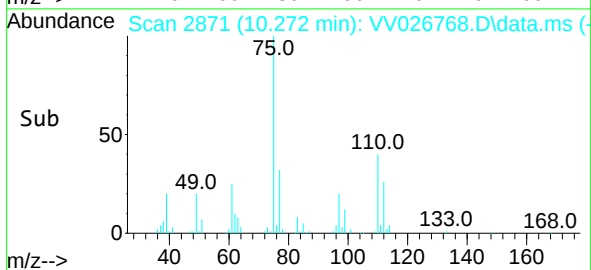
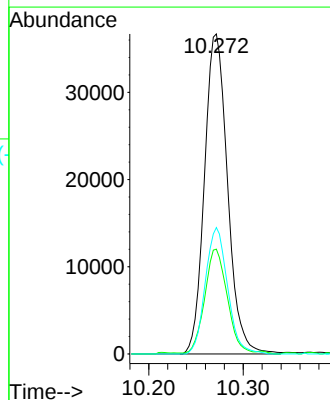
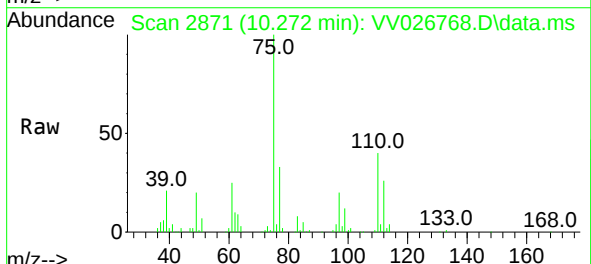
Instrument :
MSVOA_V
ClientSampleId :
VSTD005353

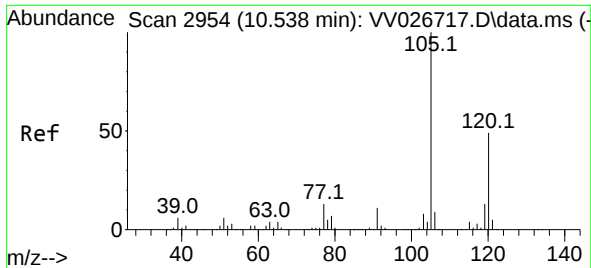
Tgt Ion:105 Resp: 417056
Ion Ratio Lower Upper
105 100
120 26.2 20.7 31.1
77 15.6 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 5.453 ug/L
RT: 10.272 min Scan# 2871
Delta R.T. -0.000 min
Lab File: VV026768.D
Acq: 14 Jul 2022 09:26

Tgt Ion: 75 Resp: 62403
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.0
110 38.0 31.8 47.6

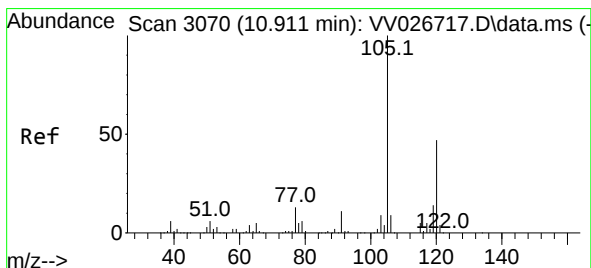
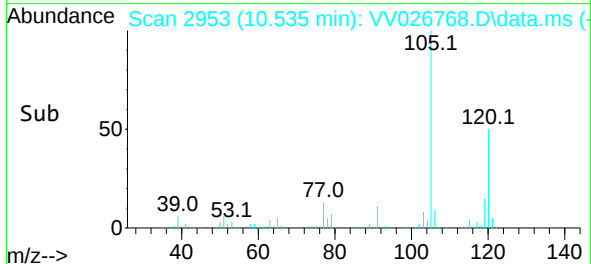
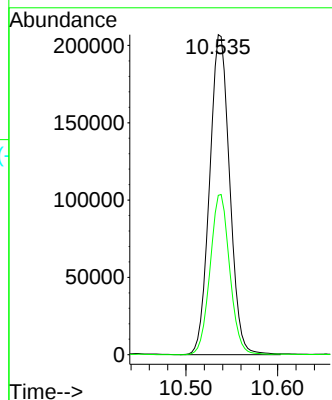
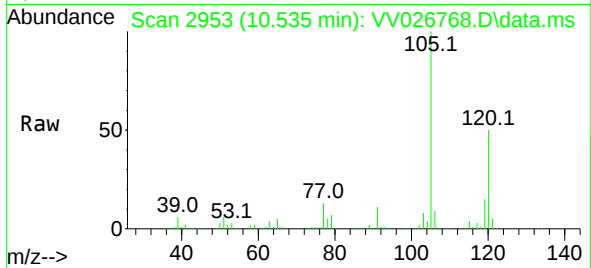




#62
 1,3,5-Trimethylbenzene
 Concen: 5.112 ug/L
 RT: 10.535 min Scan# 2954
 Delta R.T. -0.003 min
 Lab File: VV026768.D
 Acq: 14 Jul 2022 09:26

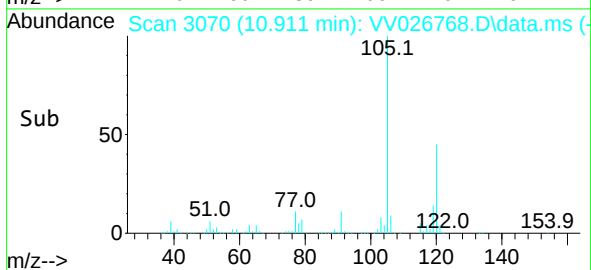
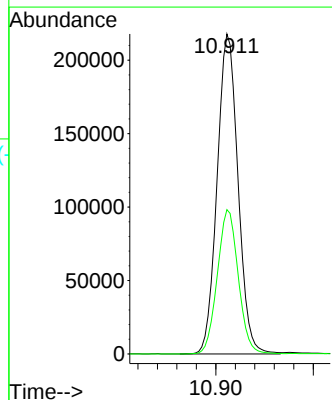
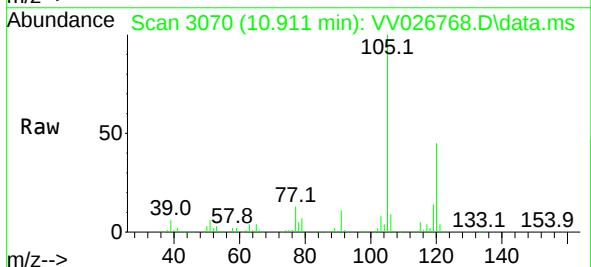
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005353

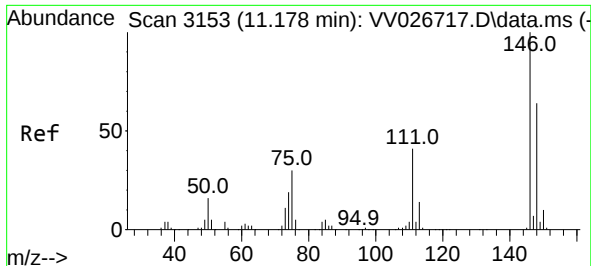
Tgt Ion:105 Resp: 314762
 Ion Ratio Lower Upper
 105 100
 120 49.0 39.6 59.4



#63
 1,2,4-Trimethylbenzene
 Concen: 5.190 ug/L
 RT: 10.911 min Scan# 3070
 Delta R.T. -0.000 min
 Lab File: VV026768.D
 Acq: 14 Jul 2022 09:26

Tgt Ion:105 Resp: 324504
 Ion Ratio Lower Upper
 105 100
 120 45.2 36.8 55.2

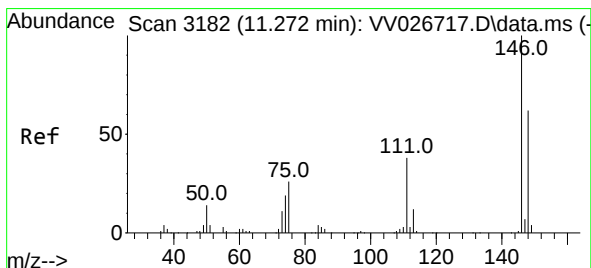
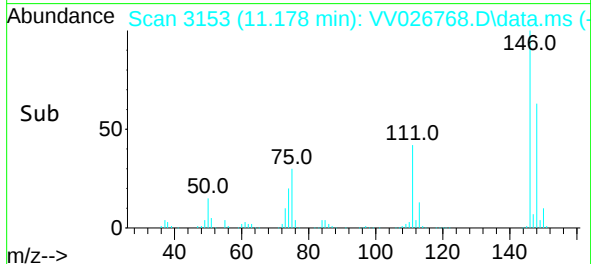
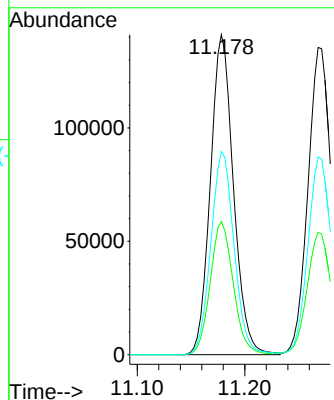
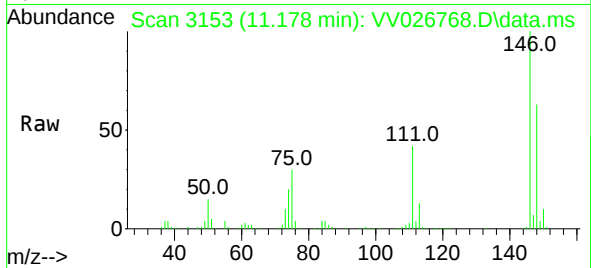




#64
1,3-Dichlorobenzene
Concen: 5.541 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. -0.000 min
Lab File: VV026768.D
Acq: 14 Jul 2022 09:26

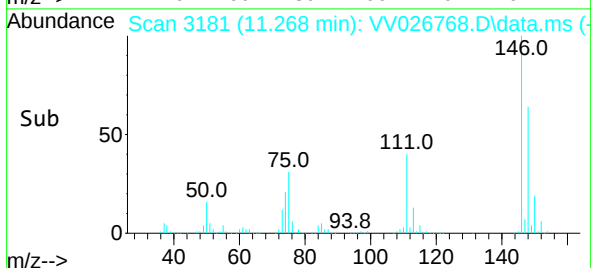
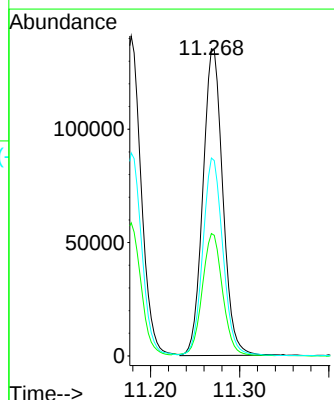
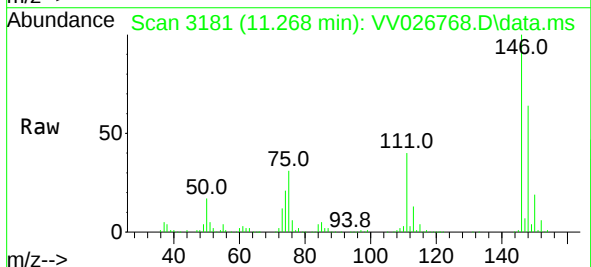
Instrument :
MSVOA_V
ClientSampleId :
VSTD005353

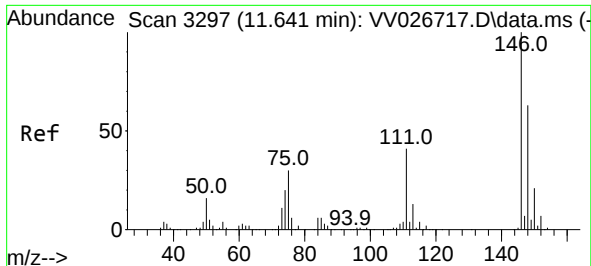
Tgt Ion:146 Resp: 210118
Ion Ratio Lower Upper
146 100
111 41.6 27.9 51.7
148 63.5 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 5.442 ug/L
RT: 11.268 min Scan# 3181
Delta R.T. -0.003 min
Lab File: VV026768.D
Acq: 14 Jul 2022 09:26

Tgt Ion:146 Resp: 209827
Ion Ratio Lower Upper
146 100
111 39.9 26.8 49.8
148 64.4 43.3 80.5

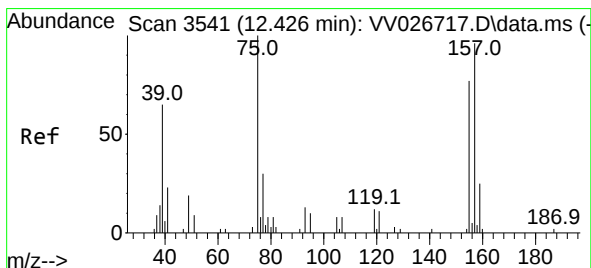
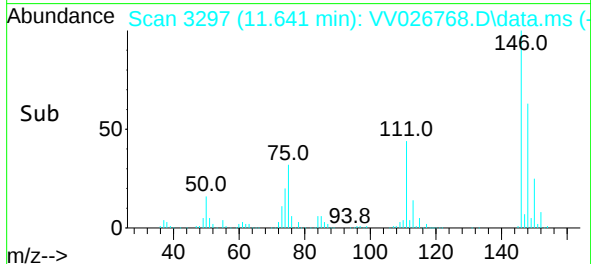
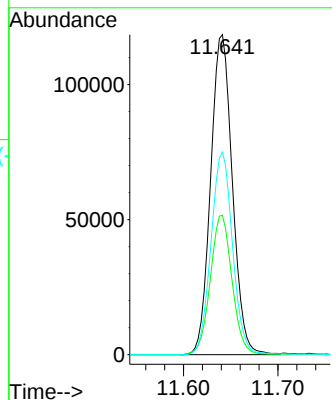
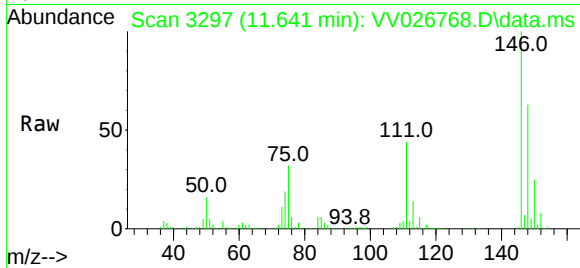




#67
 1,2-Dichlorobenzene
 Concen: 5.345 ug/L
 RT: 11.641 min Scan# 3297
 Delta R.T. -0.000 min
 Lab File: VV026768.D
 Acq: 14 Jul 2022 09:26

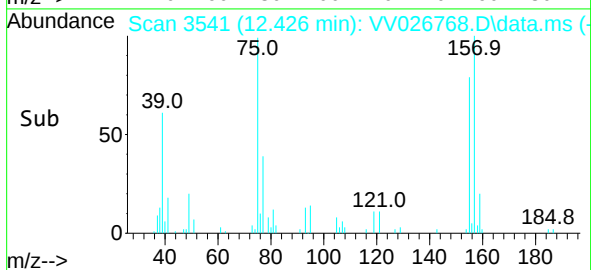
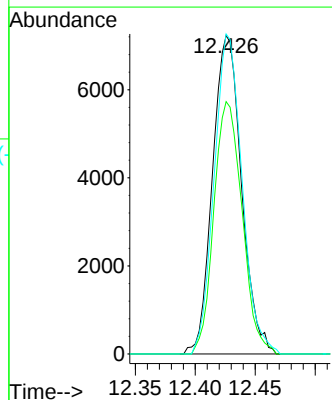
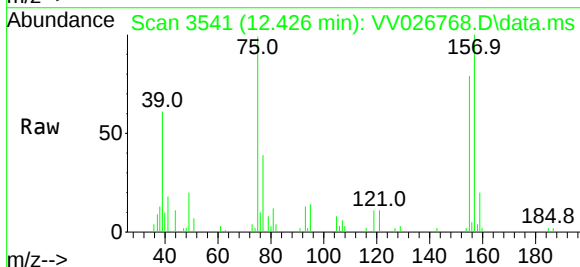
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005353

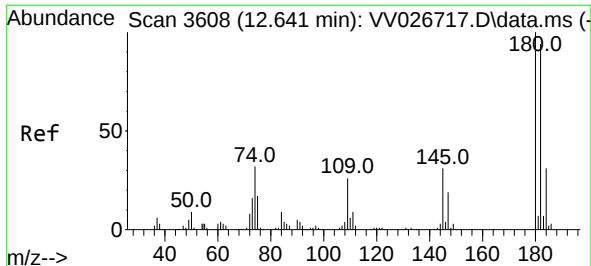
Tgt Ion:146 Resp: 189273
 Ion Ratio Lower Upper
 146 100
 111 43.6 34.6 52.0
 148 63.3 51.0 76.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.996 ug/L
 RT: 12.426 min Scan# 3541
 Delta R.T. -0.000 min
 Lab File: VV026768.D
 Acq: 14 Jul 2022 09:26

Tgt Ion: 75 Resp: 12119
 Ion Ratio Lower Upper
 75 100
 155 79.3 60.3 90.5
 157 100.5 78.2 117.4





#69

1,3,5-Trichlorobenzene

Concen: 5.162 ug/L

RT: 12.641 min Scan# 3608

Delta R.T. -0.000 min

Lab File: VV026768.D

Acq: 14 Jul 2022 09:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD005353

Tgt Ion:180 Resp: 138348

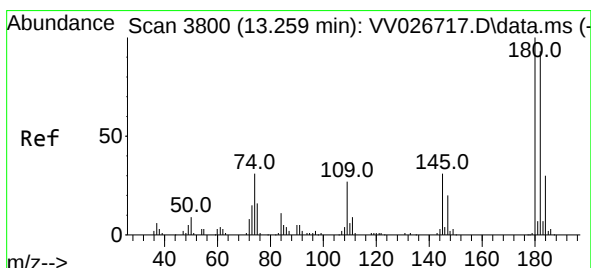
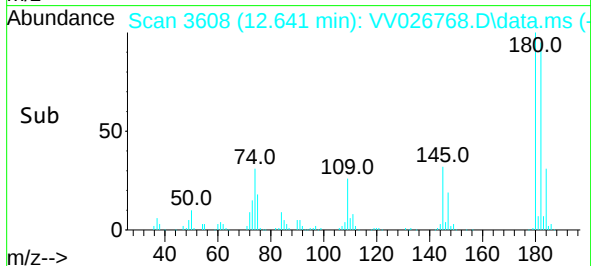
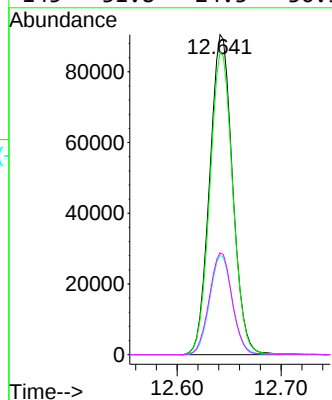
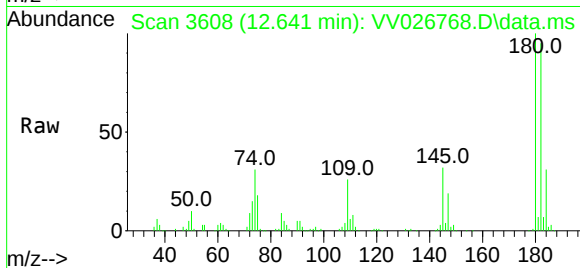
Ion Ratio Lower Upper

180 100

182 94.8 74.0 111.0

184 30.5 23.1 34.7

145 31.8 24.3 36.5



#70

1,2,4-trichlorobenzene

Concen: 4.894 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. -0.000 min

Lab File: VV026768.D

Acq: 14 Jul 2022 09:26

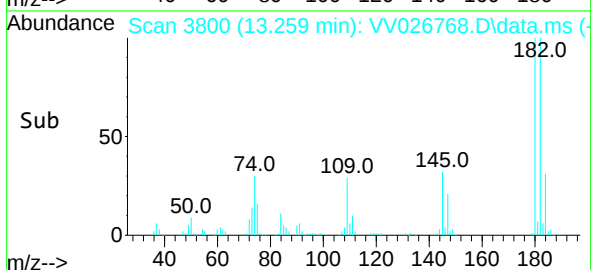
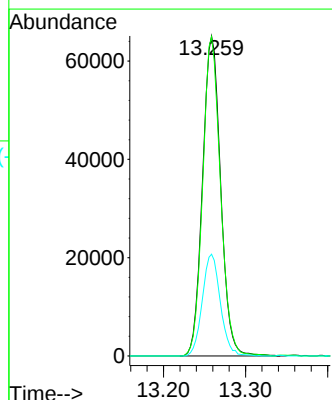
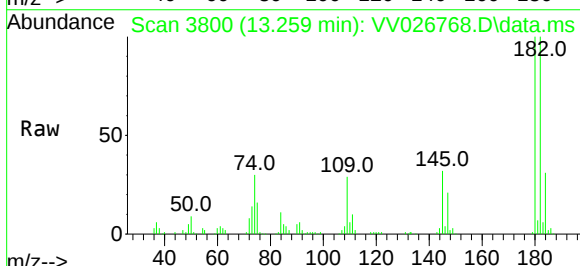
Tgt Ion:180 Resp: 99758

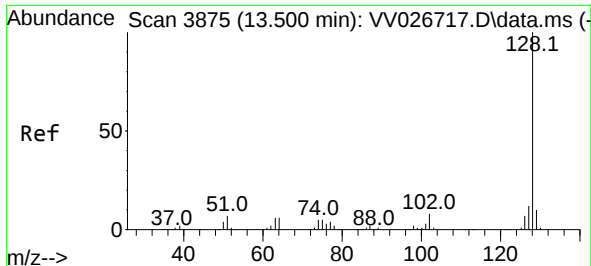
Ion Ratio Lower Upper

180 100

182 98.0 74.7 112.1

145 31.7 24.7 37.1

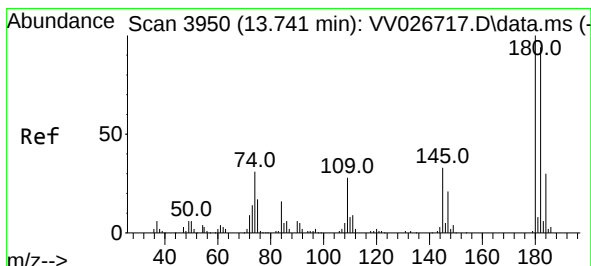
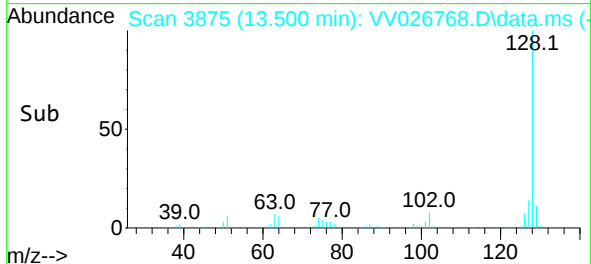
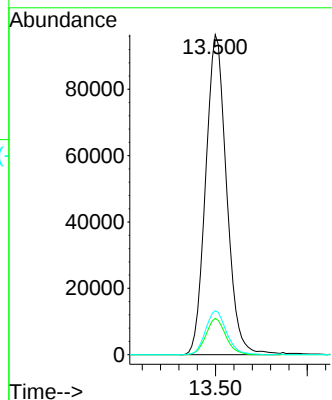
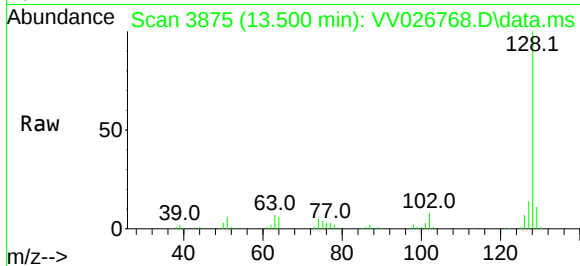




#71
Naphthalene
Concen: 4.518 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. -0.000 min
Lab File: VV026768.D
Acq: 14 Jul 2022 09:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD005353

Tgt Ion:128 Resp: 152575
Ion Ratio Lower Upper
128 100
129 10.7 8.4 12.6
127 13.7 10.7 16.1



#72
1,2,3-Trichlorobenzene
Concen: 4.914 ug/L
RT: 13.741 min Scan# 3950
Delta R.T. -0.000 min
Lab File: VV026768.D
Acq: 14 Jul 2022 09:26

Tgt Ion:180 Resp: 93205
Ion Ratio Lower Upper
180 100
182 95.2 75.0 112.4
145 33.1 26.0 39.0

