

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032924\
 Data File : VW034911.D
 Acq On : 29 Mar 2024 17:25
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050311

Quant Time: Mar 30 02:16:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 29 00:23:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	350298	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	341861	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	174818	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	137226	40.563	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.120%
7) Chloroethane-d5	1.529	69	126692	43.116	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.240%
11) 1,1-Dichloroethene-d2	2.060	65	65021	43.846	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.700%
21) 2-Butanone-d5	3.789	46	163532	81.505	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.510%
24) Chloroform-d	4.249	84	244419	42.971	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.940%
26) 1,2-Dichloroethane-d4	4.940	65	148148	41.024	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.040%
32) Benzene-d6	4.960	84	480511	41.845	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.680%
36) 1,2-Dichloropropane-d6	5.989	67	148237	40.652	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.300%
41) Toluene-d8	7.243	98	432914	41.861	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.720%
43) trans-1,3-Dichloroprop...	7.551	79	70793	39.934	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.860%
47) 2-Hexanone-d5	8.024	63	105956	76.853	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	76.850%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	213408	42.499	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.000%
66) 1,2-Dichlorobenzene-d4	11.561	152	161007	41.020	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	105910	41.715	ug/L	99
3) Chloromethane	1.217	50	122752	37.609	ug/L	98
5) Vinyl chloride	1.285	62	138852	40.580	ug/L	100
6) Bromomethane	1.484	94	111941	43.644	ug/L	98
8) Chloroethane	1.545	64	97208	41.597	ug/L	100
9) Trichlorofluoromethane	1.712	101	199512	44.425	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	125843	45.781	ug/L	97
12) 1,1-Dichloroethene	2.069	96	115717	44.016	ug/L	91
13) Acetone	2.117	43	137567	74.682	ug/L	99
14) Carbon disulfide	2.240	76	269957	36.463	ug/L	100
15) Methyl Acetate	2.375	43	125575	43.260	ug/L	97
16) Methylene chloride	2.445	84	128774	45.206	ug/L	92
17) trans-1,2-Dichloroethene	2.693	96	109410	43.045	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	392405	43.953	ug/L	100
19) 1,1-Dichloroethane	3.111	63	231936	44.498	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	128868	44.648	ug/L	95
22) 2-Butanone	3.870	43	167276	78.259	ug/L	96
23) Bromochloromethane	4.149	128	66618	46.132	ug/L	93
25) Chloroform	4.275	83	235077	45.617	ug/L	99

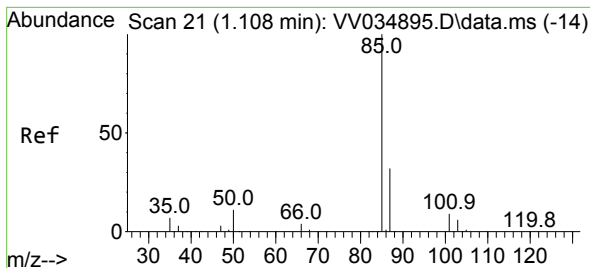
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 Quant Title : VOC Analysis
 QLast Update : Fri Mar 29 00:23:40 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	184598	44.991	ug/L	100
29) Cyclohexane	4.584	56	171037	39.946	ug/L	97
30) 1,1,1-Trichloroethane	4.510	97	195566	43.887	ug/L	99
31) Carbon tetrachloride	4.735	117	167435	44.331	ug/L	99
33) Benzene	5.011	78	482645	43.296	ug/L	100
34) Trichloroethene	5.831	95	128841	42.826	ug/L	99
35) Methylcyclohexane	6.050	83	188382	41.462	ug/L	98
37) 1,2-Dichloropropane	6.092	63	137273	44.559	ug/L	100
38) Bromodichloromethane	6.432	83	176431	44.387	ug/L	95
39) cis-1,3-Dichloropropene	6.953	75	211931	43.670	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	348534	88.611	ug/L	100
42) Toluene	7.313	91	512781	43.937	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	198920	44.615	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	133251	45.891	ug/L	99
46) Tetrachloroethene	7.905	164	92337	43.932	ug/L	98
48) 2-Hexanone	8.072	43	276454	82.639	ug/L	96
49) Dibromochloromethane	8.175	129	129396	44.994	ug/L	100
50) 1,2-Dibromoethane	8.281	107	138921	44.439	ug/L	97
51) Chlorobenzene	8.812	112	339891	44.935	ug/L	100
52) Ethylbenzene	8.943	91	565708	43.736	ug/L	99
53) m,p-Xylene	9.072	106	208358	43.742	ug/L	100
54) o-Xylene	9.477	106	206519	43.819	ug/L	99
55) Styrene	9.493	104	360247	45.231	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	216693	46.060	ug/L	99
59) Bromoform	9.664	173	92354	46.099	ug/L	99
60) Isopropylbenzene	9.866	105	560704	44.490	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	174124	45.965	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	361007	44.106	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	450985	44.565	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	259976	44.142	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	272353	45.473	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	274260	46.746	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	46663	44.711	ug/L	93
69) 1,3,5-Trichlorobenzene	12.580	180	186312	43.893	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	172991	44.368	ug/L	99
71) Naphthalene	13.438	128	438226	40.511	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	175879	45.762	ug/L	100

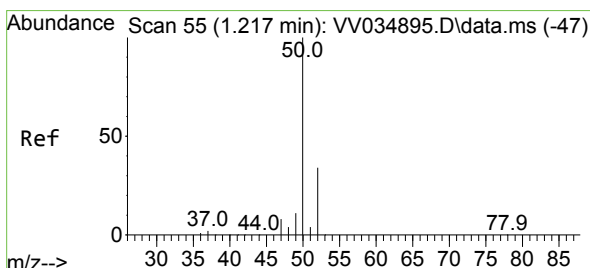
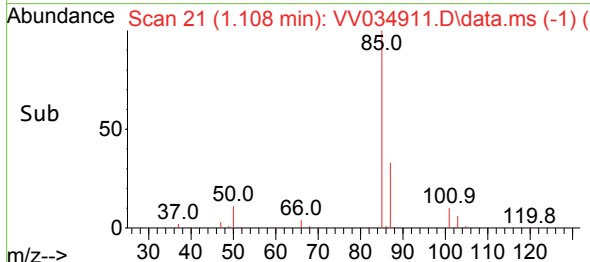
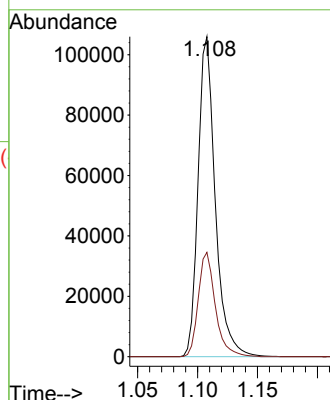
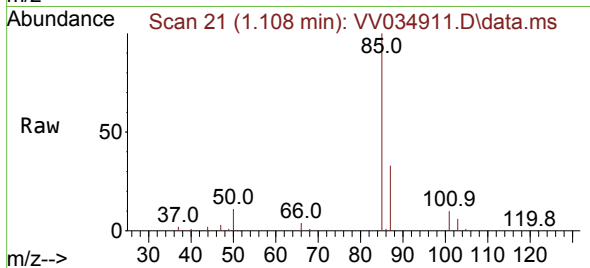
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 41.715 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV034911.D
 Acq: 29 Mar 2024 17:25

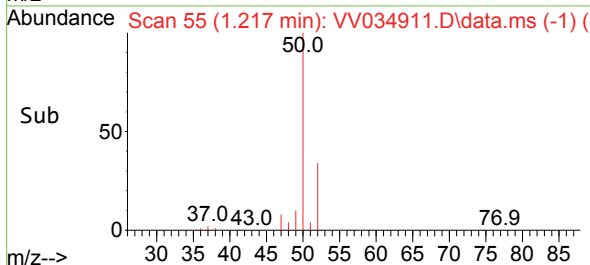
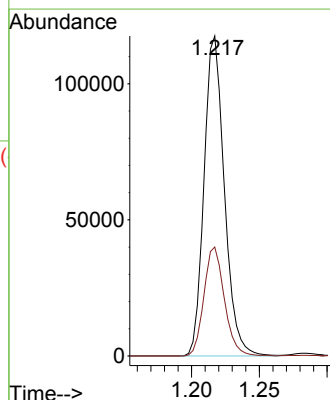
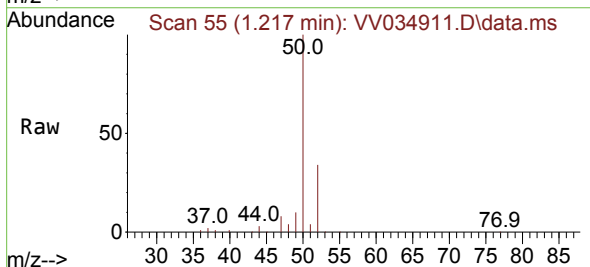
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050311

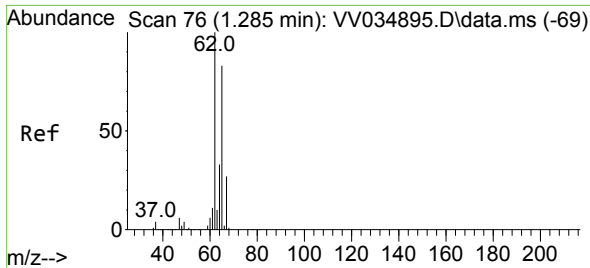
Tgt Ion: 85 Resp: 105910
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.7 38.5



#3
 Chloromethane
 Concen: 37.609 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV034911.D
 Acq: 29 Mar 2024 17:25

Tgt Ion: 50 Resp: 122752
 Ion Ratio Lower Upper
 50 100
 52 34.0 23.0 42.8

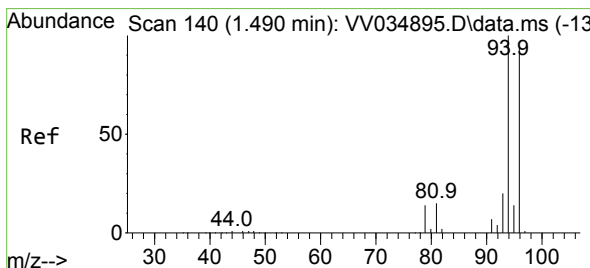
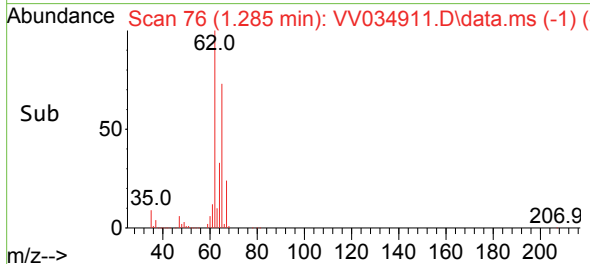
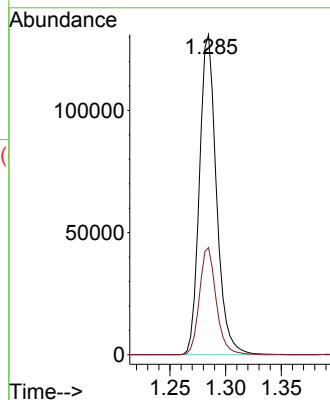
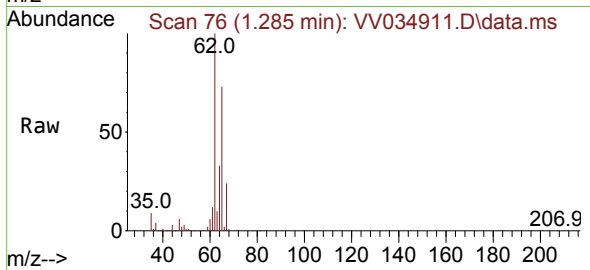




#5
 Vinyl chloride
 Concen: 40.580 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV034911.D
 Acq: 29 Mar 2024 17:25

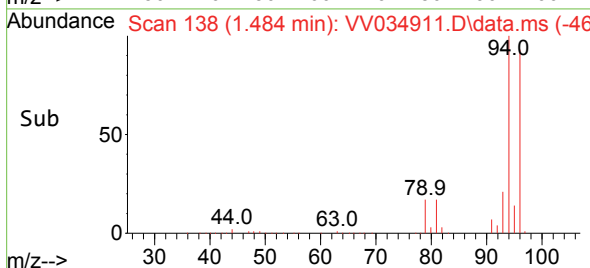
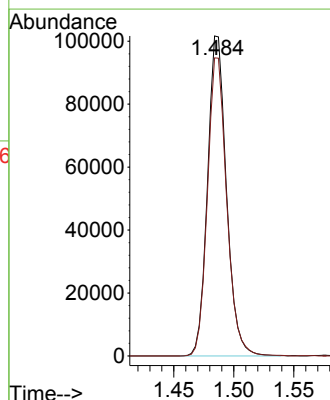
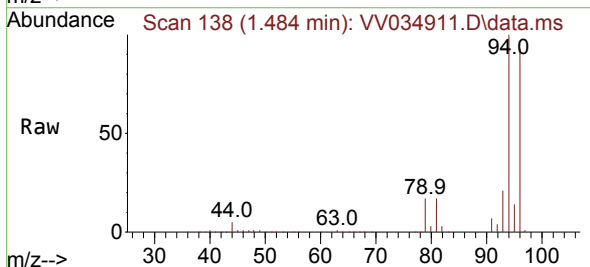
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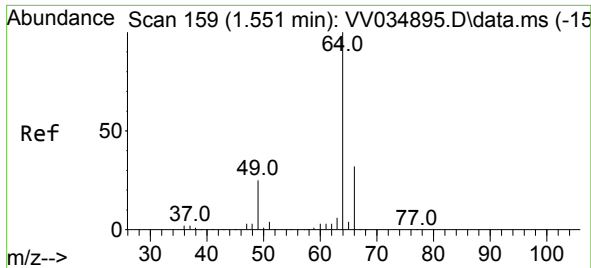
Tgt Ion: 62 Resp: 138852
 Ion Ratio Lower Upper
 62 100
 64 33.4 23.6 43.8



#6
 Bromomethane
 Concen: 43.644 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.003 min
 Lab File: VV034911.D
 Acq: 29 Mar 2024 17:25

Tgt Ion: 94 Resp: 111941
 Ion Ratio Lower Upper
 94 100
 96 93.1 66.3 123.1

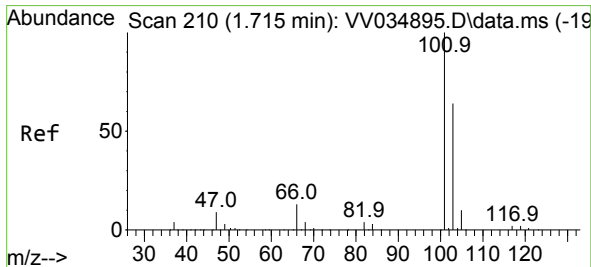
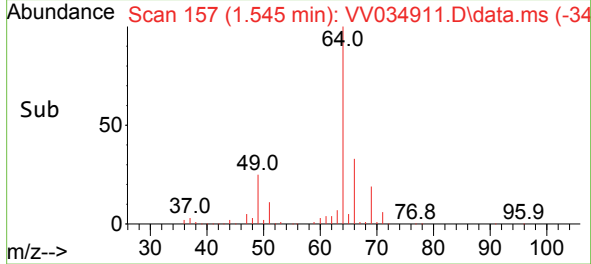
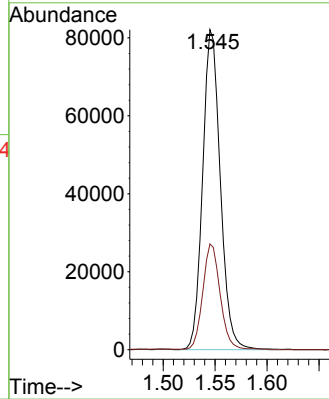
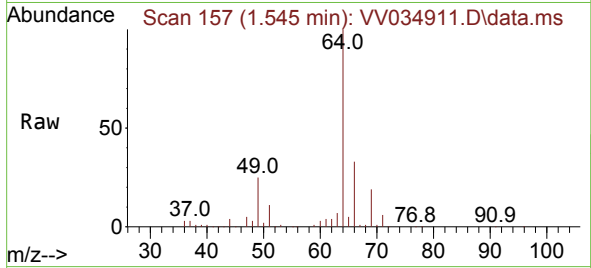




#8
Chloroethane
Concen: 41.597 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV034911.D
Acq: 29 Mar 2024 17:25

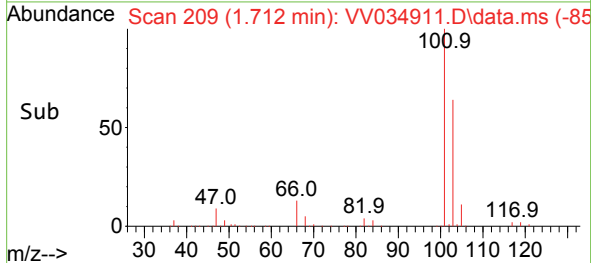
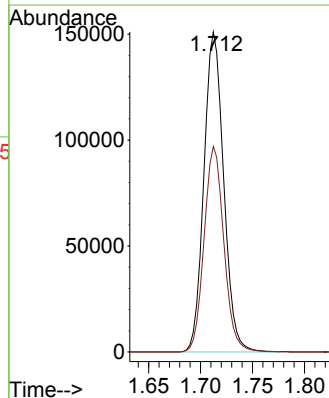
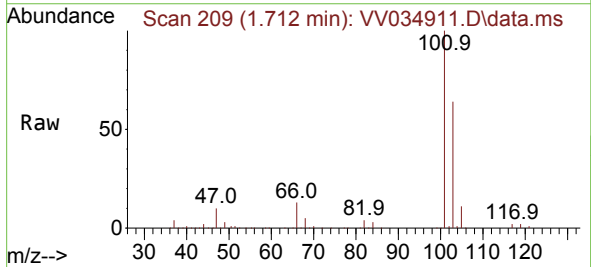
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ClientSampleId :
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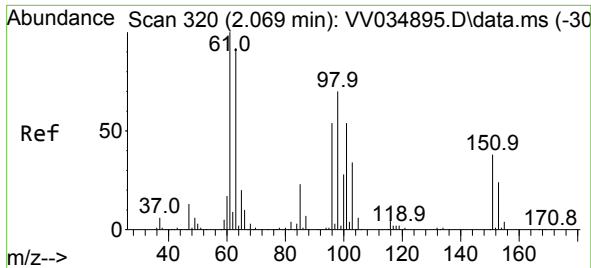
Tgt Ion: 64 Resp: 97208
Ion Ratio Lower Upper
64 100
66 33.1 23.2 43.2



#9
Trichlorofluoromethane
Concen: 44.425 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV034911.D
Acq: 29 Mar 2024 17:25

Tgt Ion:101 Resp: 199512
Ion Ratio Lower Upper
101 100
103 64.2 51.6 77.4

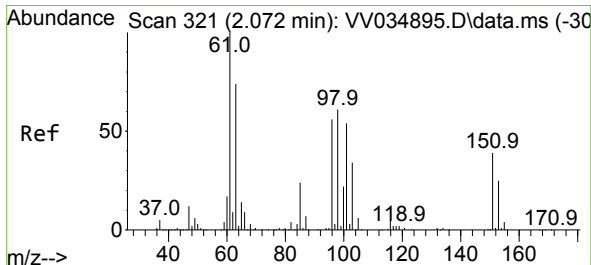
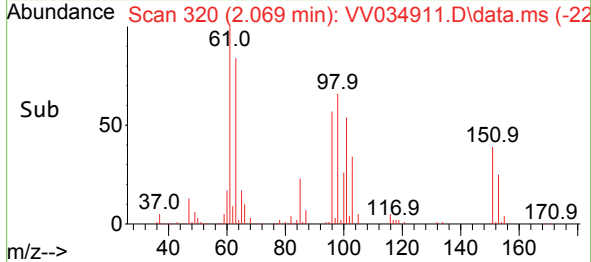
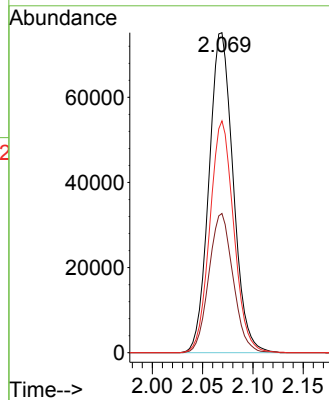
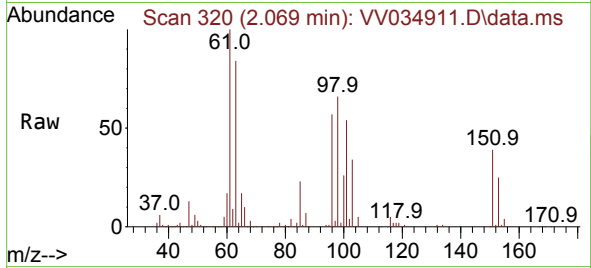




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 45.781 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV034911.D
 Acq: 29 Mar 2024 17:25

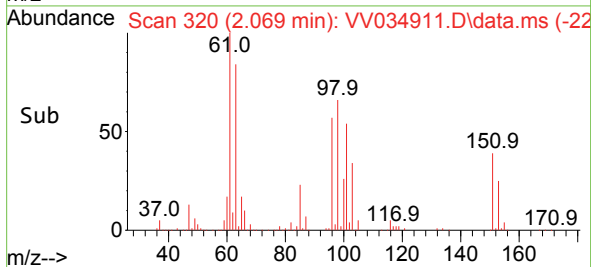
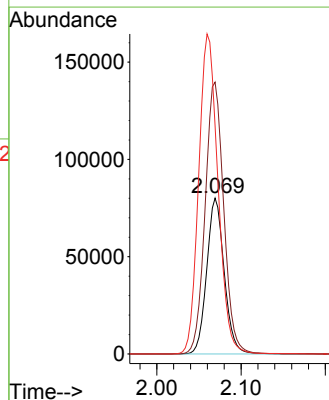
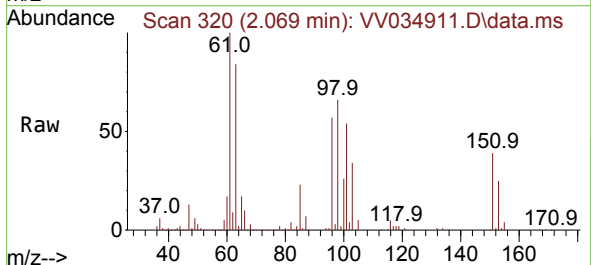
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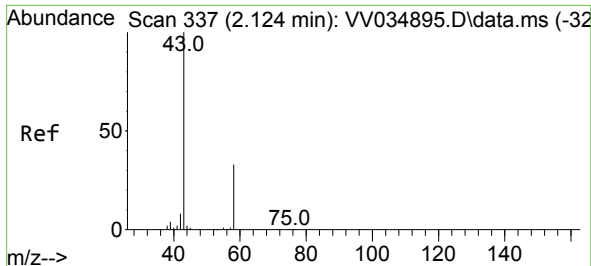
Tgt Ion:101 Resp: 125843
 Ion Ratio Lower Upper
 101 100
 85 43.6 35.3 52.9
 151 71.9 55.0 82.4



#12
 1,1-Dichloroethene
 Concen: 44.016 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV034911.D
 Acq: 29 Mar 2024 17:25

Tgt Ion: 96 Resp: 115717
 Ion Ratio Lower Upper
 96 100
 61 174.4 131.5 244.3
 63 146.4 111.4 206.8





#13

Acetone

Concen: 74.682 ug/L

RT: 2.117 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV034911.D

Acq: 29 Mar 2024 17:25

Instrument :

MSVOA_V

ClientSampleId :

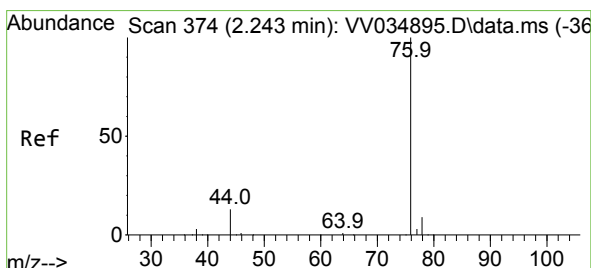
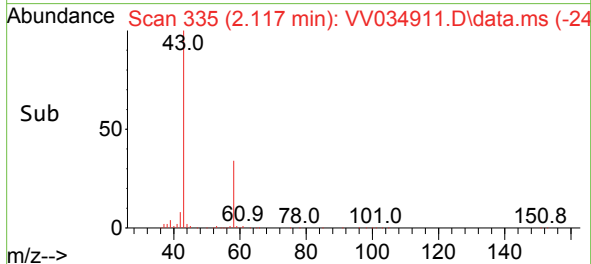
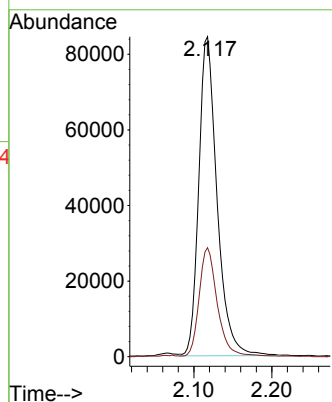
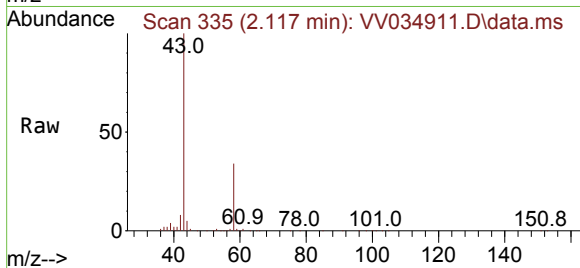
VSTD050311

Tgt Ion: 43 Resp: 137567

Ion Ratio Lower Upper

43 100

58 33.7 0.0 66.0



#14

Carbon disulfide

Concen: 36.463 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV034911.D

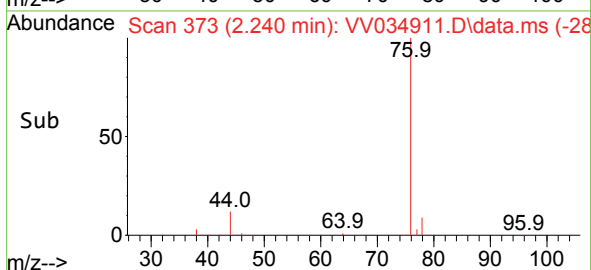
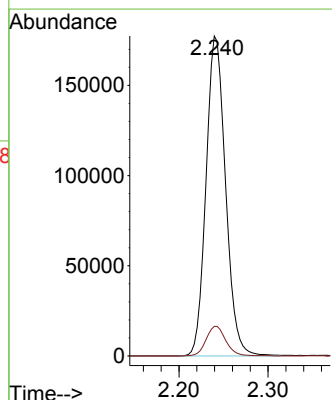
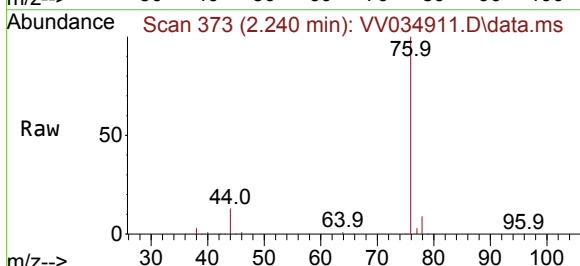
Acq: 29 Mar 2024 17:25

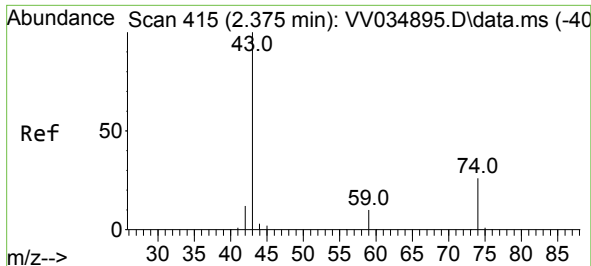
Tgt Ion: 76 Resp: 269957

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

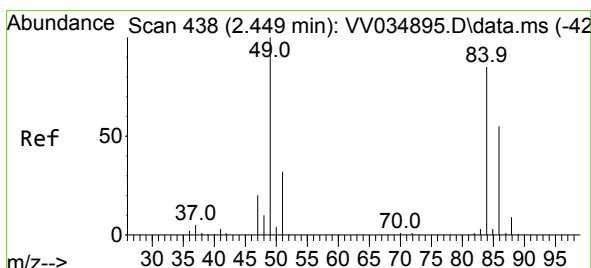
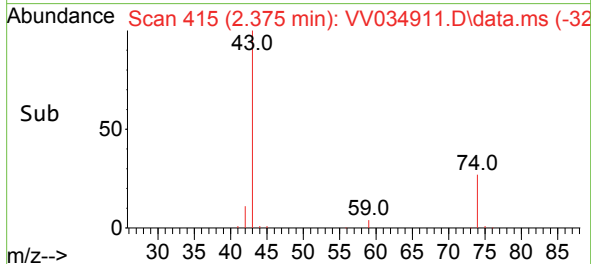
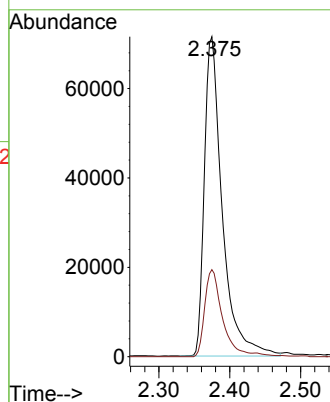
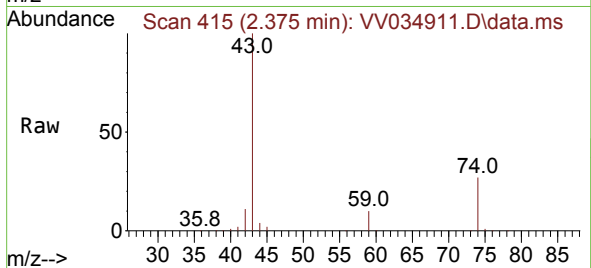




#15
Methyl Acetate
Concen: 43.260 ug/L
RT: 2.375 min Scan# 415
Delta R.T. -0.000 min
Lab File: VV034911.D
Acq: 29 Mar 2024 17:25

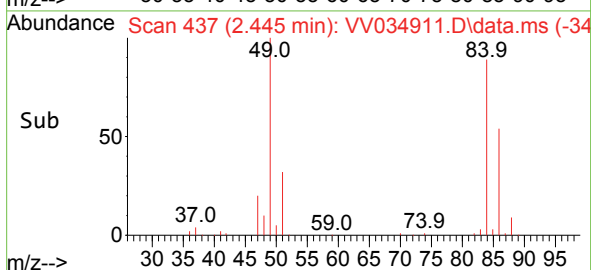
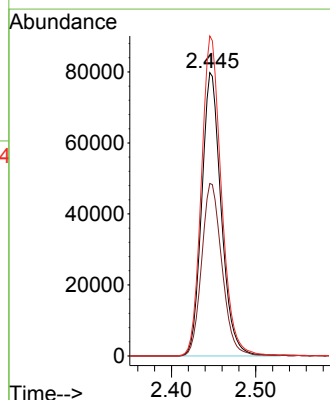
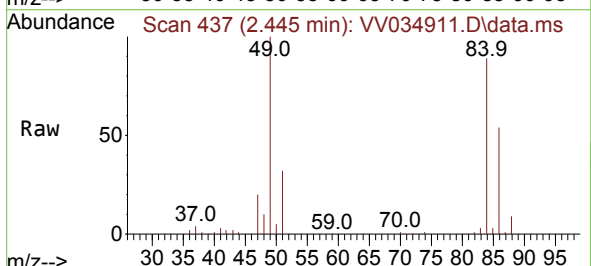
Instrument :
MSVOA_V
ClientSampleId :
VSTD050311

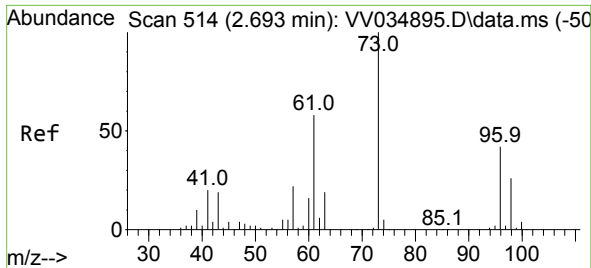
Tgt Ion: 43 Resp: 125575
Ion Ratio Lower Upper
43 100
74 26.4 19.8 29.8



#16
Methylene chloride
Concen: 45.206 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV034911.D
Acq: 29 Mar 2024 17:25

Tgt Ion: 84 Resp: 128774
Ion Ratio Lower Upper
84 100
86 60.8 44.6 82.8
49 112.9 86.9 161.3

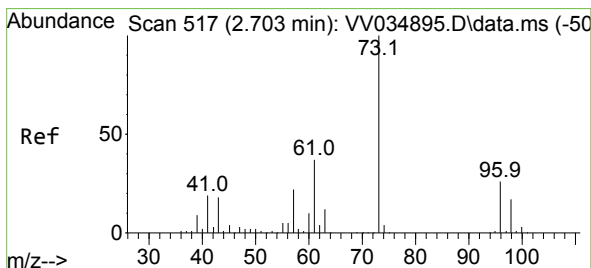
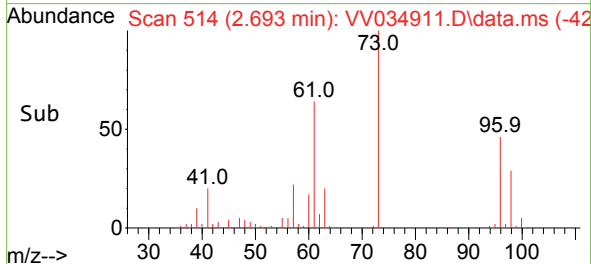
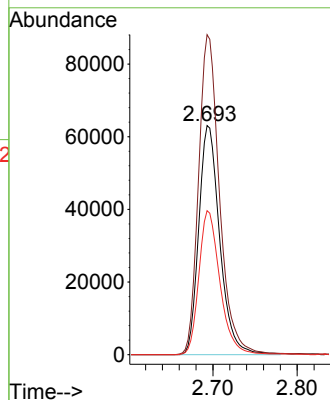
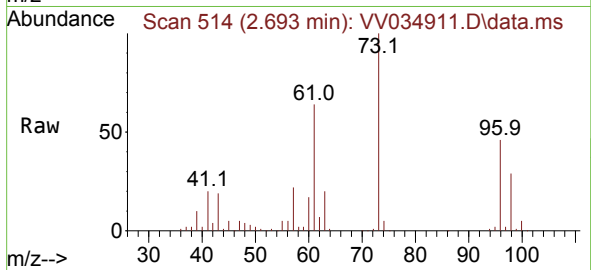




#17
trans-1,2-Dichloroethene
Concen: 43.045 ug/L
RT: 2.693 min Scan# 514
Delta R.T. -0.000 min
Lab File: VV034911.D
Acq: 29 Mar 2024 17:25

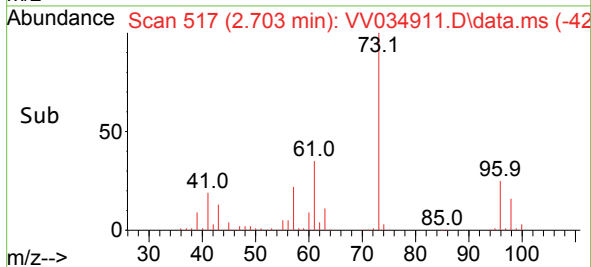
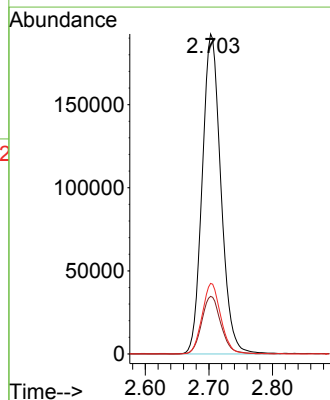
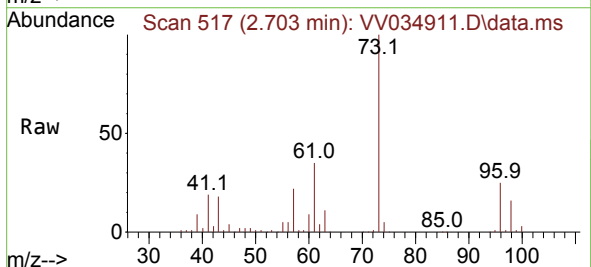
Instrument :
MSVOA_V
ClientSampleId :
VSTD050311

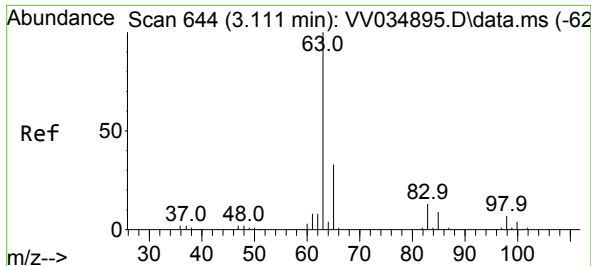
Tgt Ion: 96 Resp: 109410
Ion Ratio Lower Upper
96 100
61 139.7 99.0 183.8
98 62.8 44.3 82.3



#18
Methyl tert-butyl Ether
Concen: 43.953 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV034911.D
Acq: 29 Mar 2024 17:25

Tgt Ion: 73 Resp: 392405
Ion Ratio Lower Upper
73 100
43 18.4 14.6 21.8
57 22.0 17.6 26.4





#19

1,1-Dichloroethane

Concen: 44.498 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV034911.D

Acq: 29 Mar 2024 17:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050311

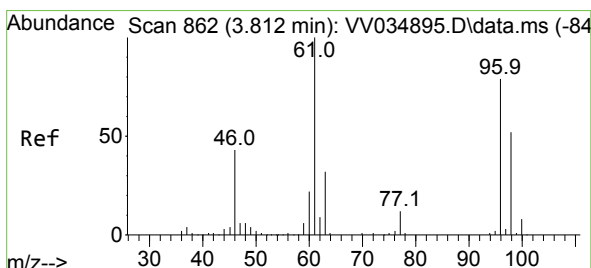
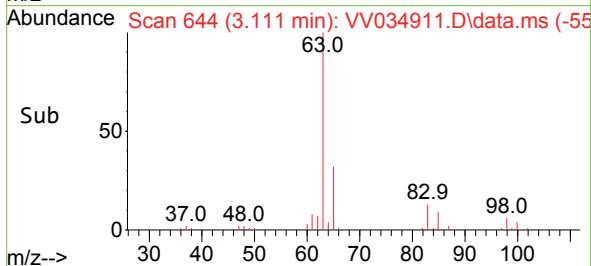
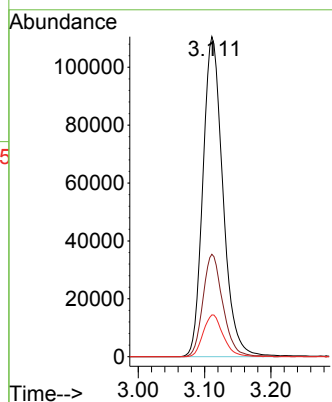
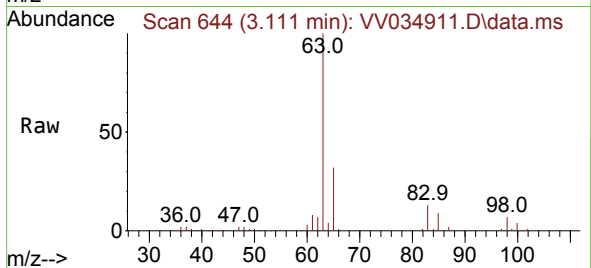
Tgt Ion: 63 Resp: 231936

Ion Ratio Lower Upper

63 100

65 32.0 23.0 42.6

83 13.1 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 44.648 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.003 min

Lab File: VV034911.D

Acq: 29 Mar 2024 17:25

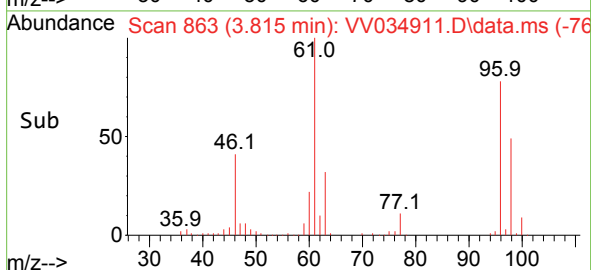
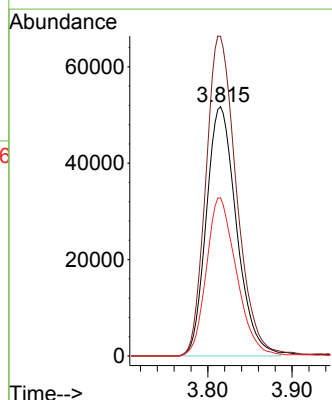
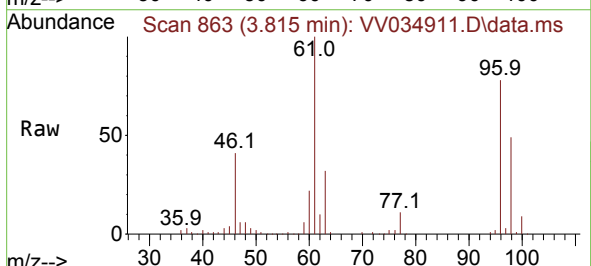
Tgt Ion: 96 Resp: 128868

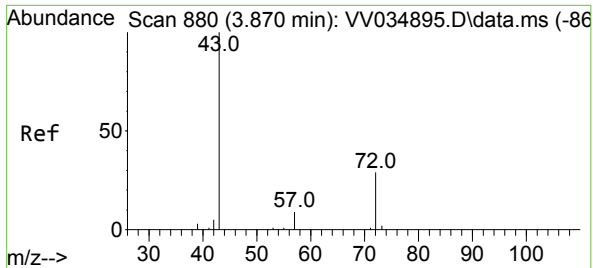
Ion Ratio Lower Upper

96 100

61 128.1 94.9 176.3

98 63.4 45.6 84.8

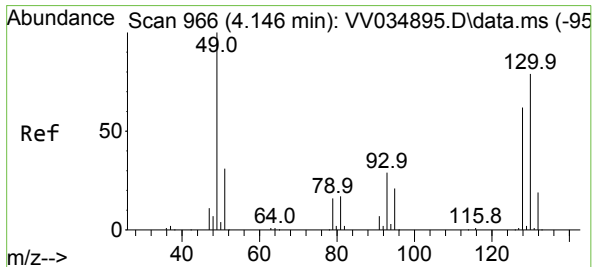
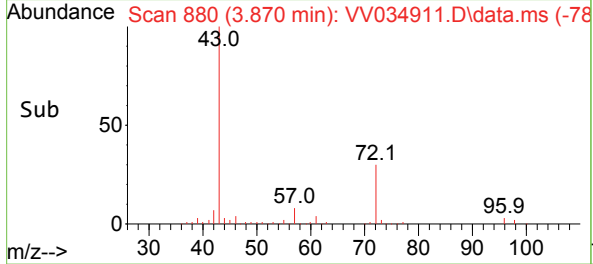
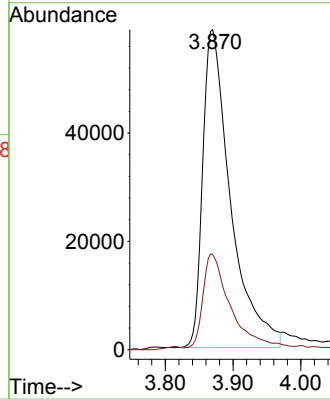
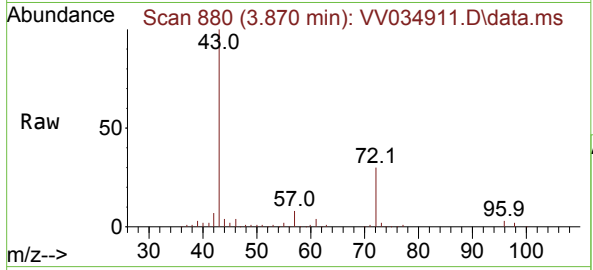




#22
2-Butanone
Concen: 78.259 ug/L
RT: 3.870 min Scan# 880
Delta R.T. 0.003 min
Lab File: VV034911.D
Acq: 29 Mar 2024 17:25

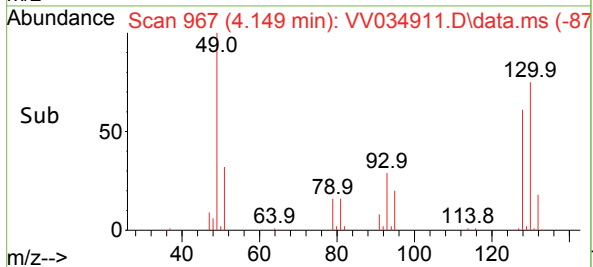
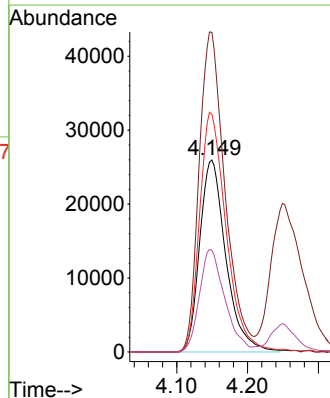
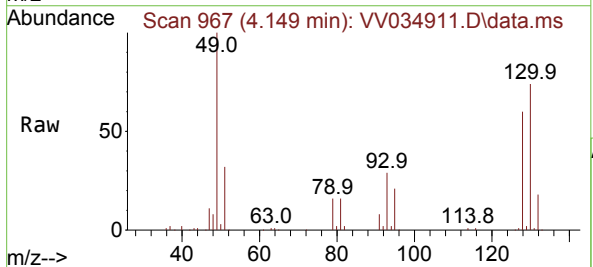
Instrument :
MSVOA_V
ClientSampleId :
VSTD050311

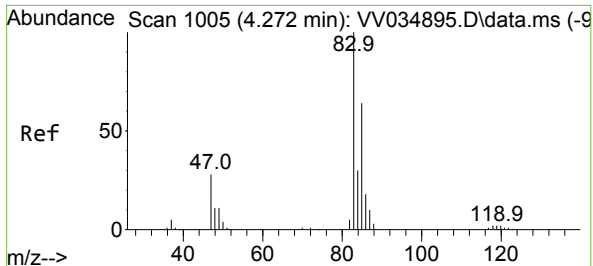
Tgt Ion: 43 Resp: 167276
Ion Ratio Lower Upper
43 100
72 28.3 13.2 39.6



#23
Bromochloromethane
Concen: 46.132 ug/L
RT: 4.149 min Scan# 967
Delta R.T. 0.003 min
Lab File: VV034911.D
Acq: 29 Mar 2024 17:25

Tgt Ion:128 Resp: 66618
Ion Ratio Lower Upper
128 100
49 166.6 123.8 229.8
130 123.9 93.2 173.0
51 53.0 44.0 66.0





#25

Chloroform

Concen: 45.617 ug/L

RT: 4.275 min Scan# 1005

Delta R.T. -0.000 min

Lab File: VV034911.D

Acq: 29 Mar 2024 17:25

Instrument :

MSVOA_V

ClientSampleId :

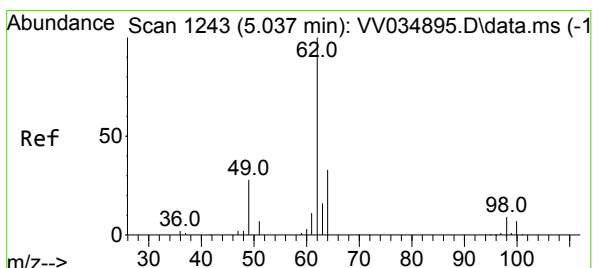
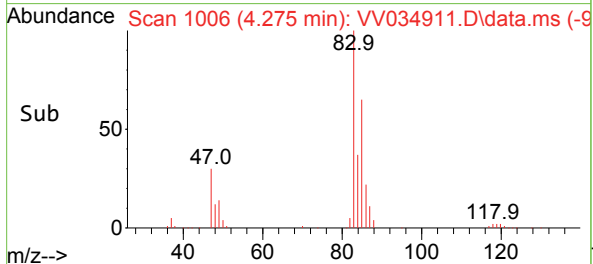
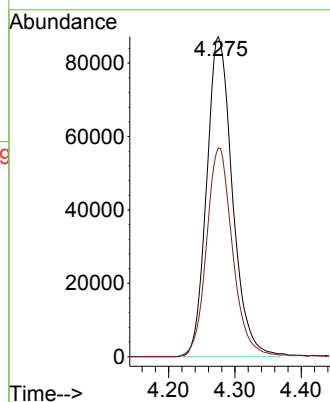
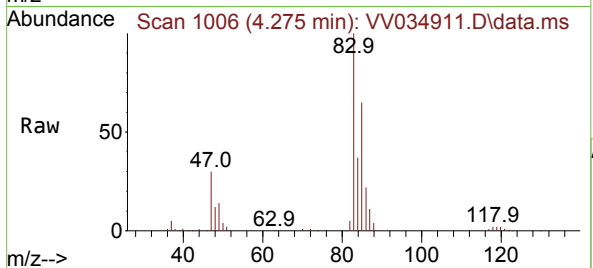
VSTD050311

Tgt Ion: 83 Resp: 235077

Ion Ratio Lower Upper

83 100

85 65.3 46.0 85.4



#27

1,2-Dichloroethane

Concen: 44.991 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VV034911.D

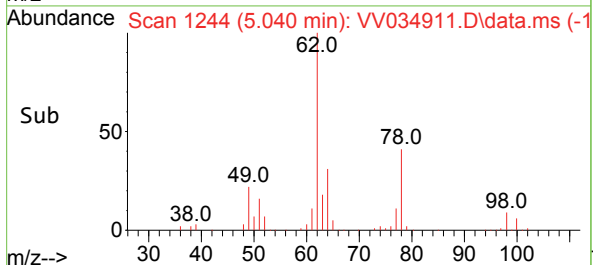
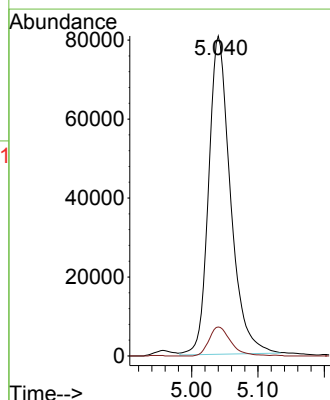
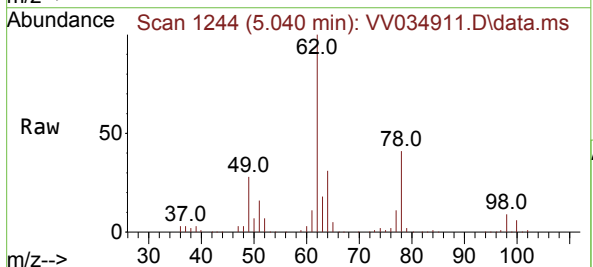
Acq: 29 Mar 2024 17:25

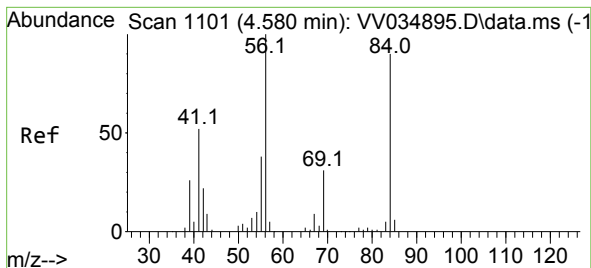
Tgt Ion: 62 Resp: 184598

Ion Ratio Lower Upper

62 100

98 9.1 7.2 10.8





#29

Cyclohexane

Concen: 39.946 ug/L

RT: 4.584 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV034911.D

Acq: 29 Mar 2024 17:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050311

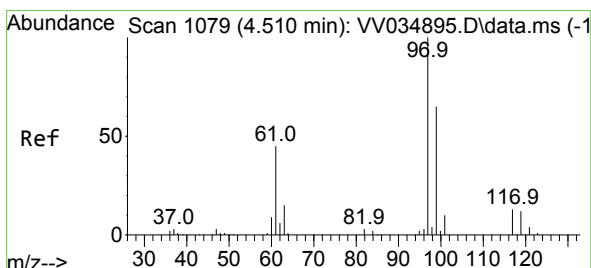
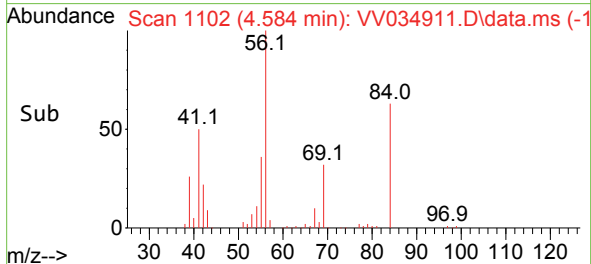
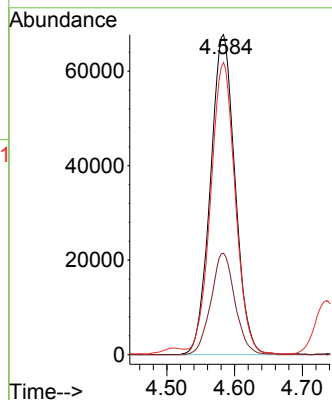
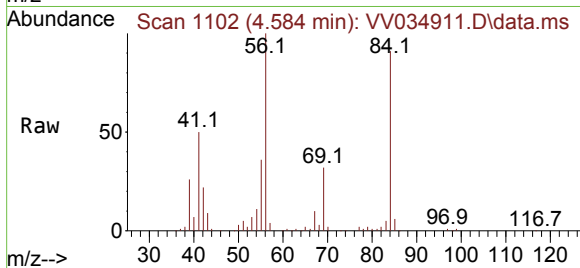
Tgt Ion: 56 Resp: 171037

Ion Ratio Lower Upper

56 100

69 30.9 24.2 36.2

84 91.1 69.8 104.8



#30

1,1,1-Trichloroethane

Concen: 43.887 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. -0.000 min

Lab File: VV034911.D

Acq: 29 Mar 2024 17:25

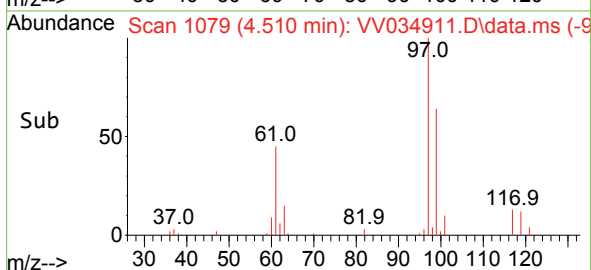
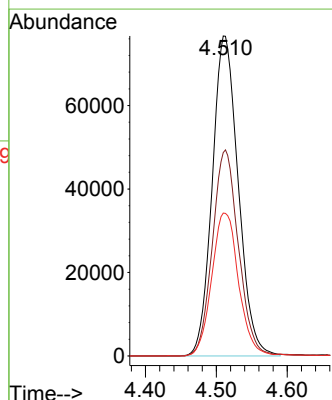
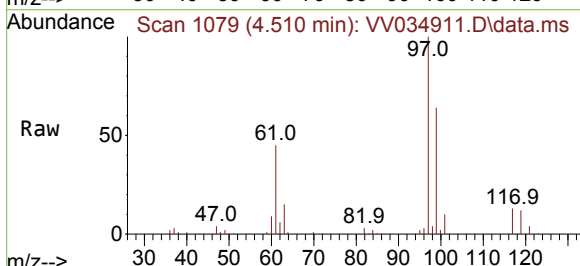
Tgt Ion: 97 Resp: 195566

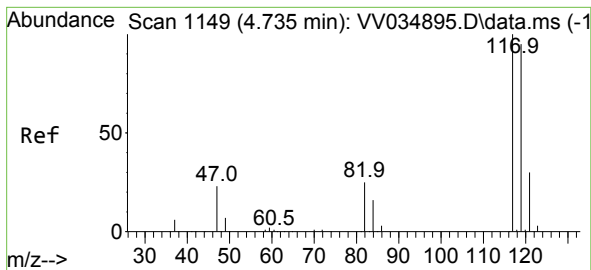
Ion Ratio Lower Upper

97 100

99 64.6 51.0 76.4

61 46.0 36.8 55.2

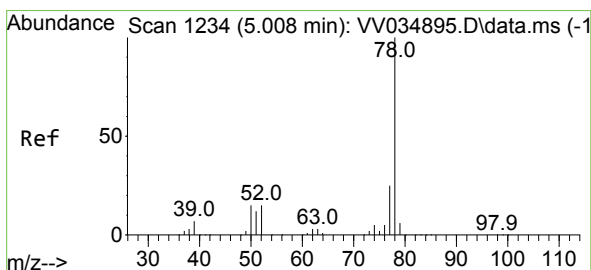
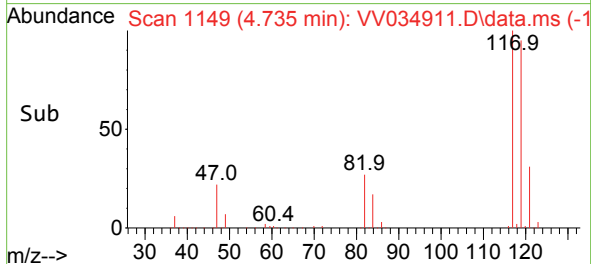
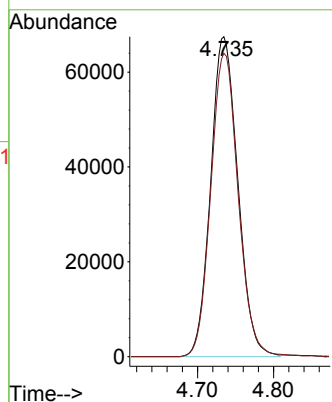
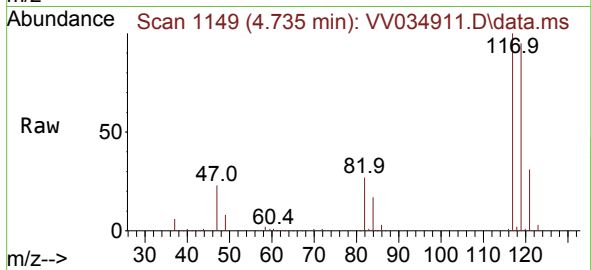




#31
Carbon tetrachloride
Concen: 44.331 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VV034911.D
Acq: 29 Mar 2024 17:25

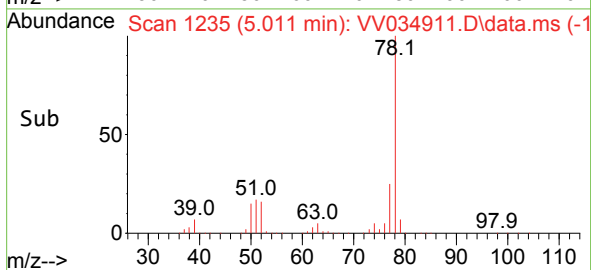
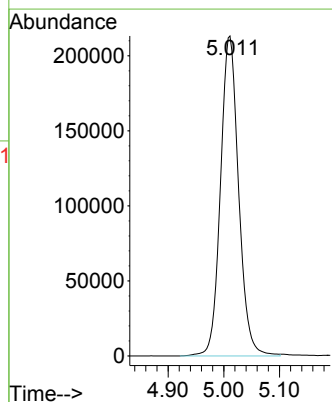
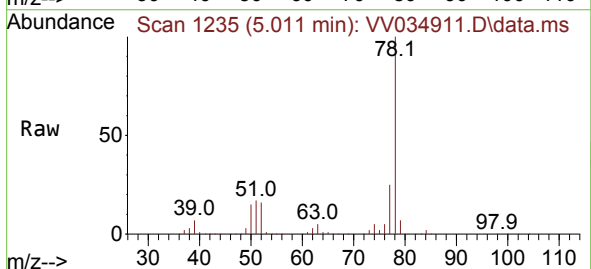
Instrument :
MSVOA_V
ClientSampleId :
VSTD050311

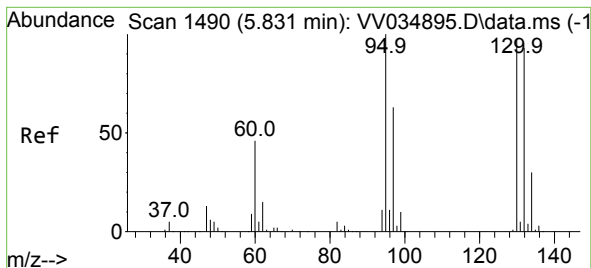
Tgt Ion:117 Resp: 167435
Ion Ratio Lower Upper
117 100
119 95.4 77.1 115.7



#33
Benzene
Concen: 43.296 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VV034911.D
Acq: 29 Mar 2024 17:25

Tgt Ion: 78 Resp: 482645





#34

Trichloroethene

Concen: 42.826 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. -0.000 min

Lab File: VV034911.D

Acq: 29 Mar 2024 17:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050311

Tgt Ion: 95 Resp: 128841

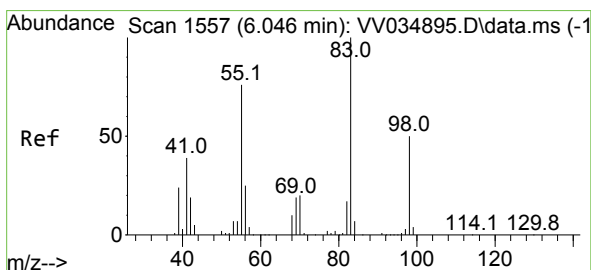
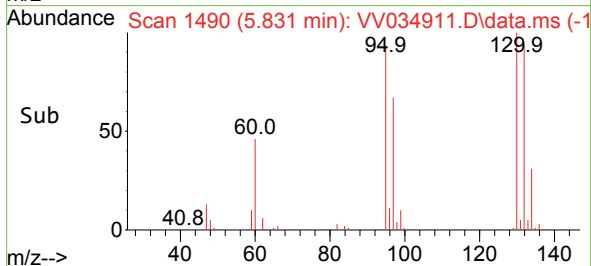
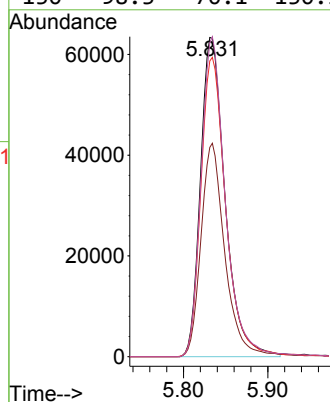
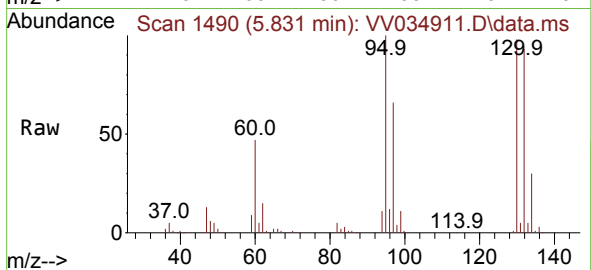
Ion Ratio Lower Upper

95 100

97 65.6 45.3 84.1

132 92.6 65.3 121.3

130 98.3 70.1 130.3



#35

Methylcyclohexane

Concen: 41.462 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. -0.000 min

Lab File: VV034911.D

Acq: 29 Mar 2024 17:25

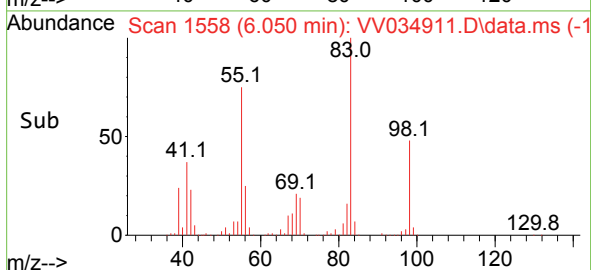
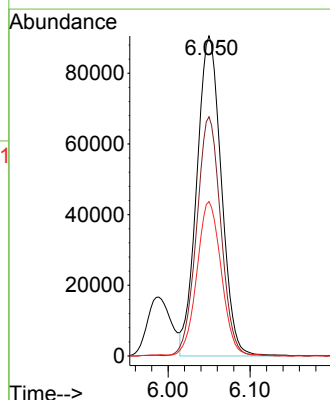
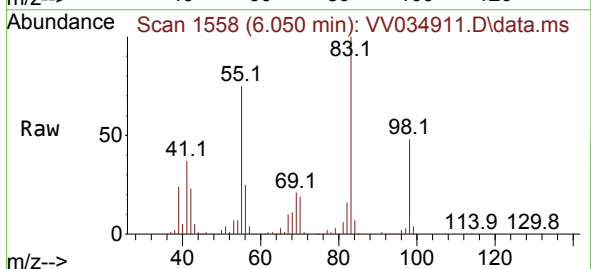
Tgt Ion: 83 Resp: 188382

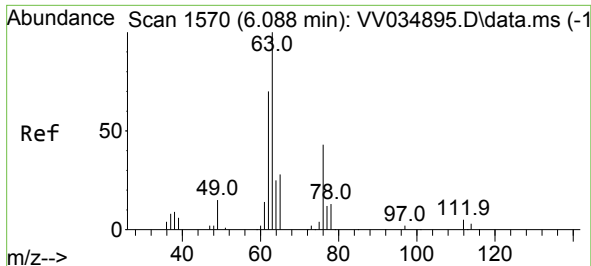
Ion Ratio Lower Upper

83 100

55 73.5 60.0 90.0

98 48.1 37.6 56.4





#37

1,2-Dichloropropane

Concen: 44.559 ug/L

RT: 6.092 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV034911.D

Acq: 29 Mar 2024 17:25

Instrument :

MSVOA_V

ClientSampleId :

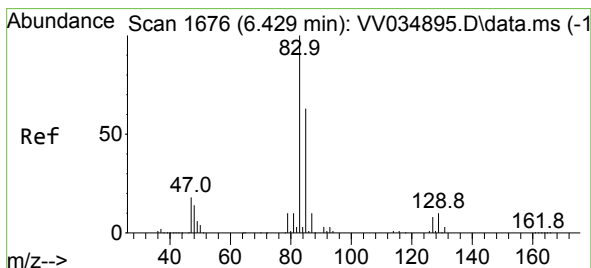
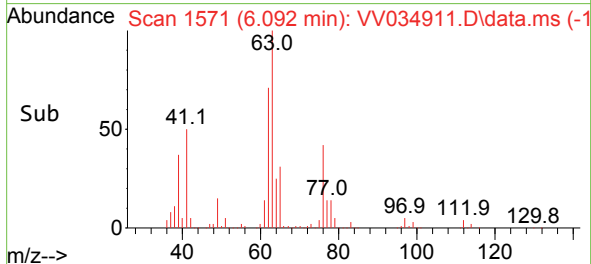
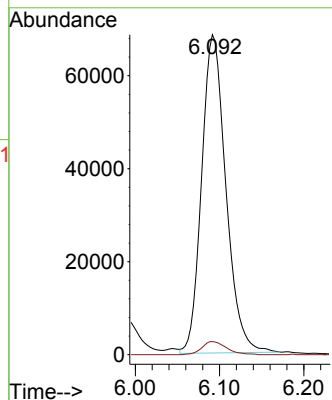
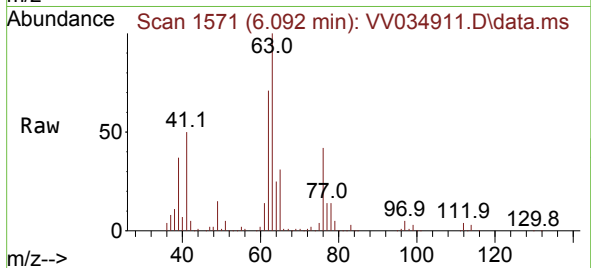
VSTD050311

Tgt Ion: 63 Resp: 137273

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



#38

Bromodichloromethane

Concen: 44.387 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.003 min

Lab File: VV034911.D

Acq: 29 Mar 2024 17:25

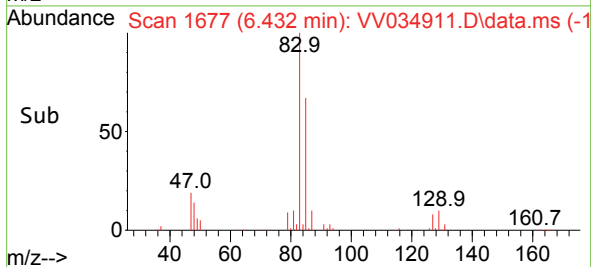
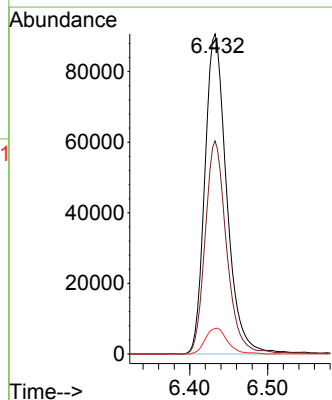
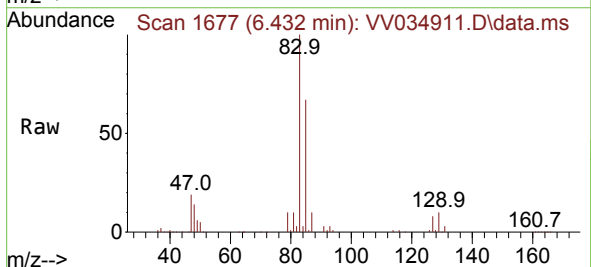
Tgt Ion: 83 Resp: 176431

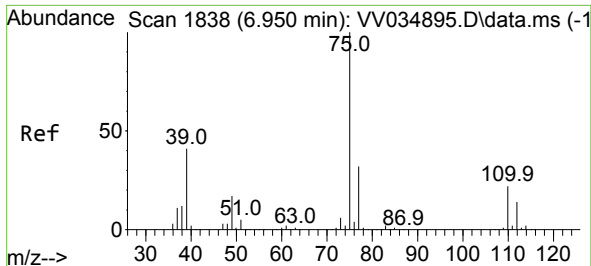
Ion Ratio Lower Upper

83 100

85 66.6 43.7 81.1

127 7.9 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 43.670 ug/L

RT: 6.953 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV034911.D

Acq: 29 Mar 2024 17:25

Instrument :

MSVOA_V

ClientSampleId :

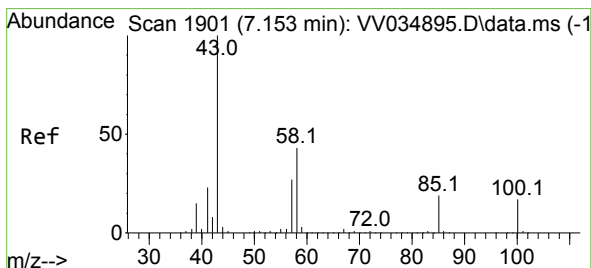
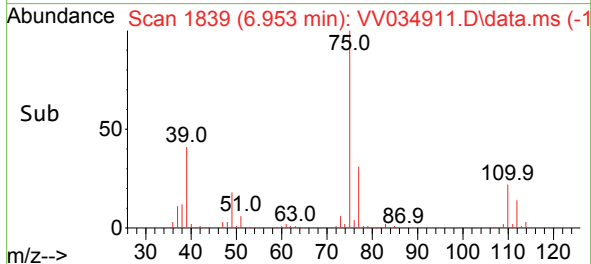
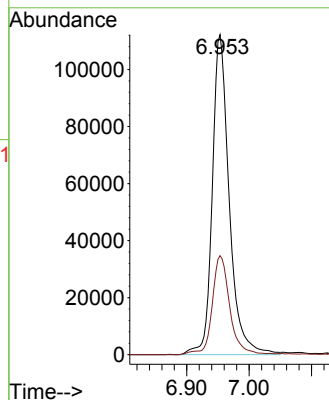
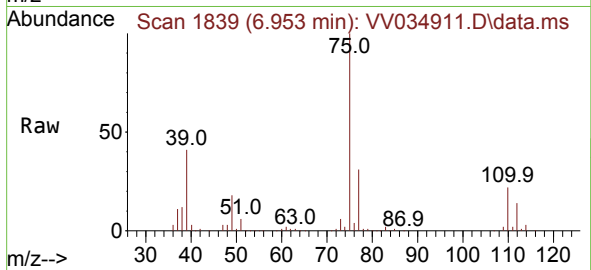
VSTD050311

Tgt Ion: 75 Resp: 211931

Ion Ratio Lower Upper

75 100

77 30.9 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 88.611 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.003 min

Lab File: VV034911.D

Acq: 29 Mar 2024 17:25

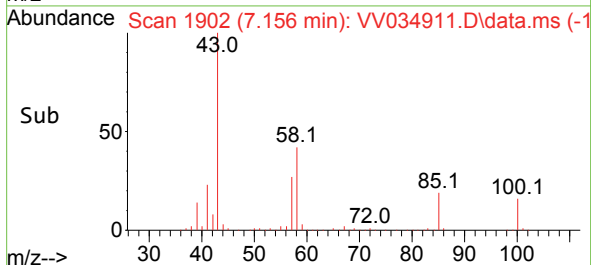
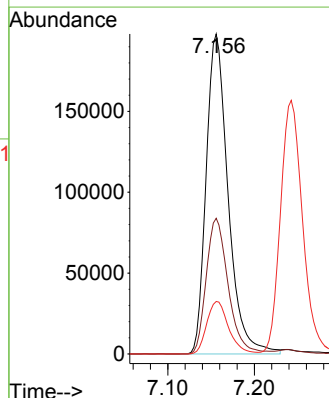
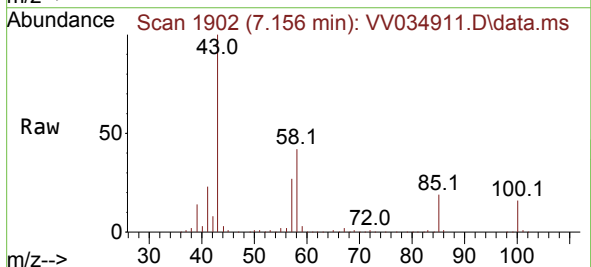
Tgt Ion: 43 Resp: 348534

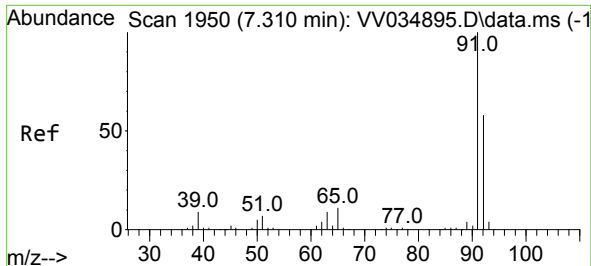
Ion Ratio Lower Upper

43 100

58 42.2 33.8 50.8

100 16.4 13.0 19.4

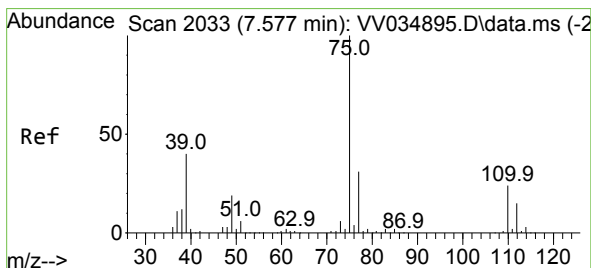
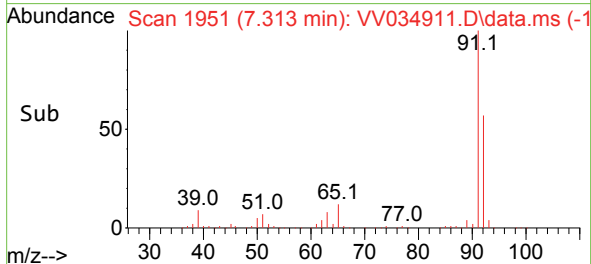
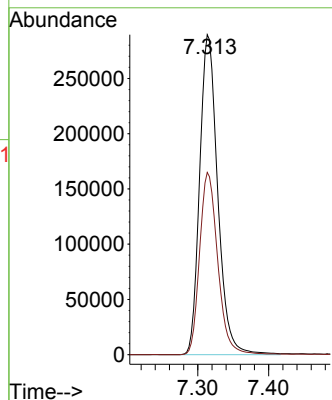
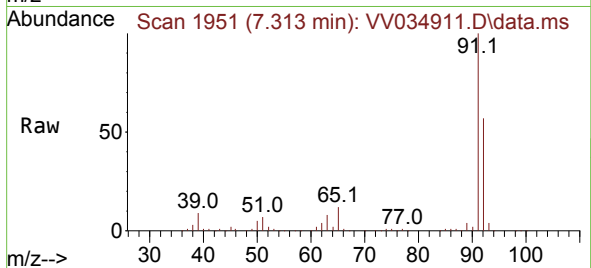




#42
Toluene
Concen: 43.937 ug/L
RT: 7.313 min Scan# 1950
Delta R.T. -0.000 min
Lab File: VV034911.D
Acq: 29 Mar 2024 17:25

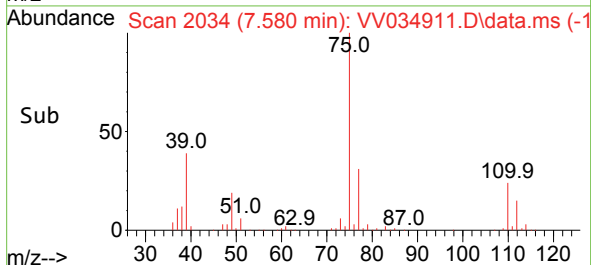
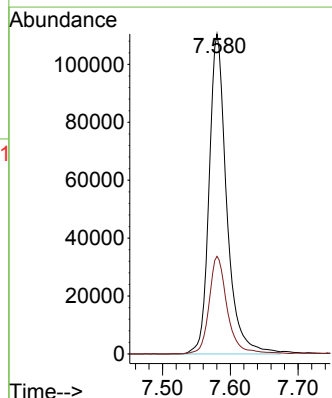
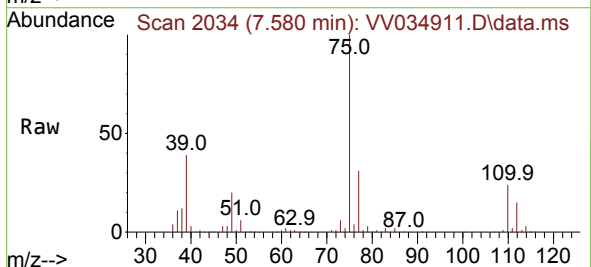
Instrument :
MSVOA_V
ClientSampleId :
VSTD050311

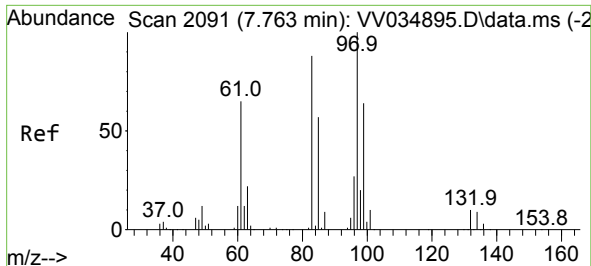
Tgt Ion: 91 Resp: 512781
Ion Ratio Lower Upper
91 100
92 56.9 40.3 74.8



#44
trans-1,3-Dichloropropene
Concen: 44.615 ug/L
RT: 7.580 min Scan# 2034
Delta R.T. -0.000 min
Lab File: VV034911.D
Acq: 29 Mar 2024 17:25

Tgt Ion: 75 Resp: 198920
Ion Ratio Lower Upper
75 100
77 30.5 21.7 40.3



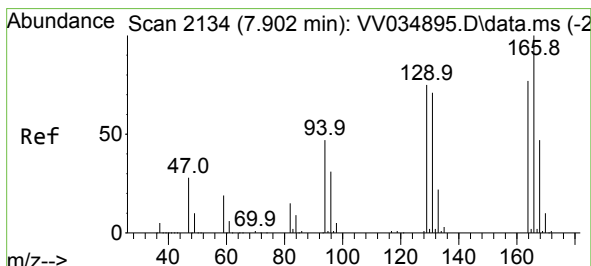
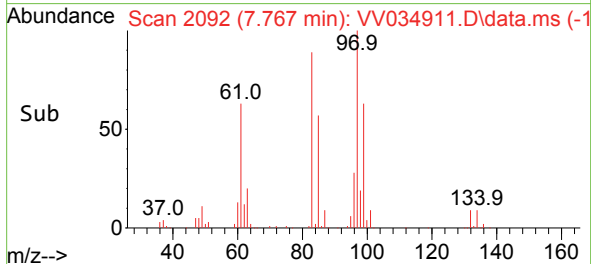
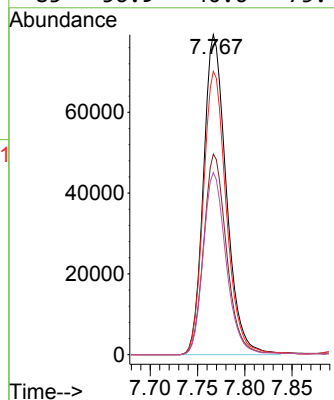
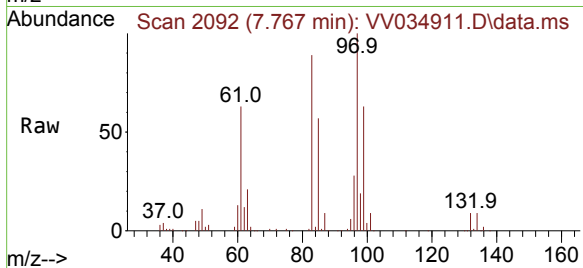


#45
1,1,2-Trichloroethane
Concen: 45.891 ug/L
RT: 7.767 min Scan# 2091
Delta R.T. -0.000 min
Lab File: VV034911.D
Acq: 29 Mar 2024 17:25

Instrument :
MSVOA_V
ClientSampleId :
VSTD050311

Tgt Ion: 97 Resp: 133251

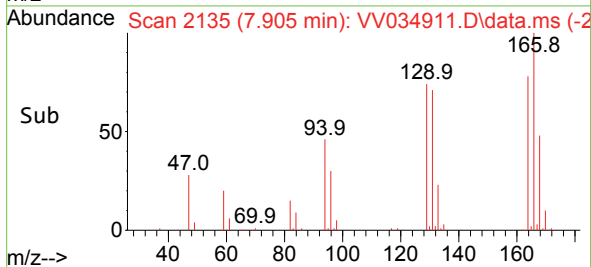
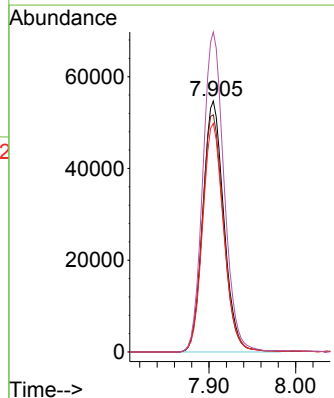
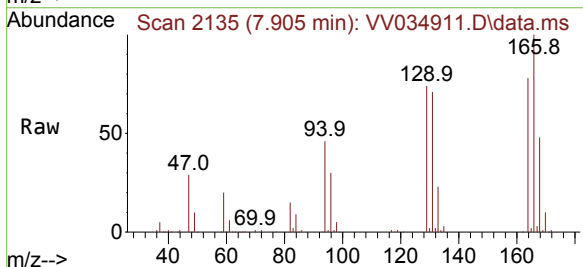
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.3	80.3
83	88.6	61.6	114.4
85	56.9	40.6	75.4

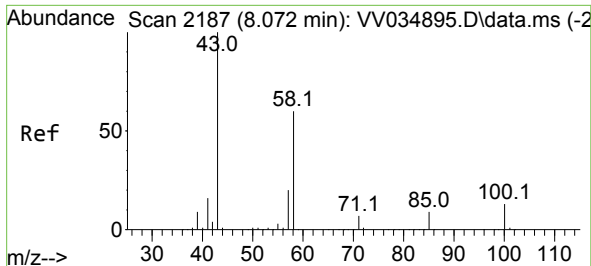


#46
Tetrachloroethene
Concen: 43.932 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.003 min
Lab File: VV034911.D
Acq: 29 Mar 2024 17:25

Tgt Ion: 164 Resp: 92337

Ion	Ratio	Lower	Upper
164	100		
129	94.5	68.6	127.4
131	91.0	65.7	122.1
166	127.5	89.0	165.2



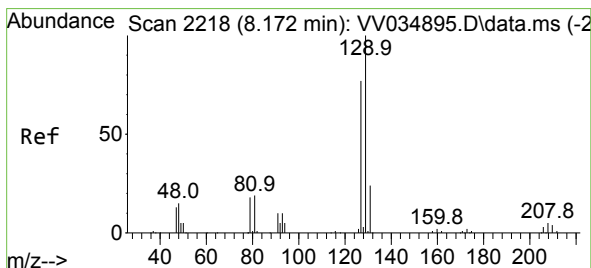
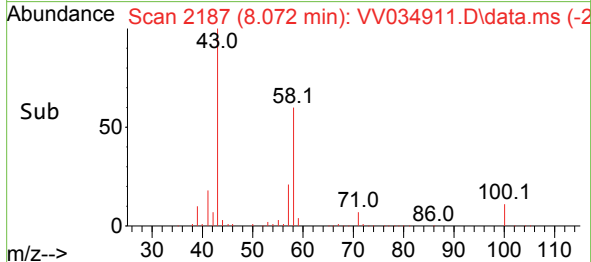
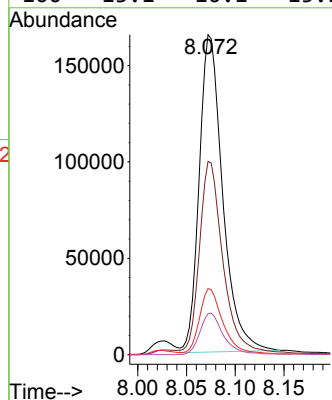
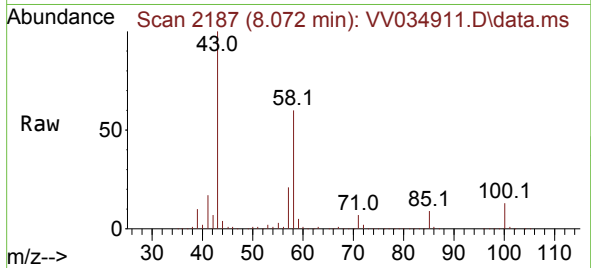


#48
2-Hexanone
Concen: 82.639 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. -0.000 min
Lab File: VV034911.D
Acq: 29 Mar 2024 17:25

Instrument :
MSVOA_V
ClientSampleId :
VSTD050311

Tgt Ion: 43 Resp: 276454

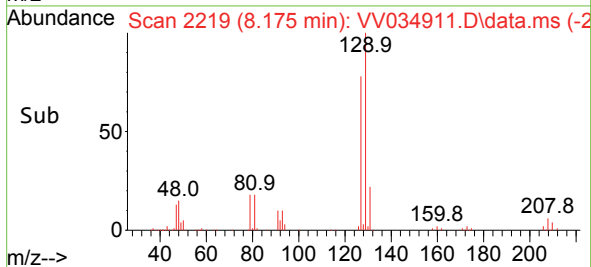
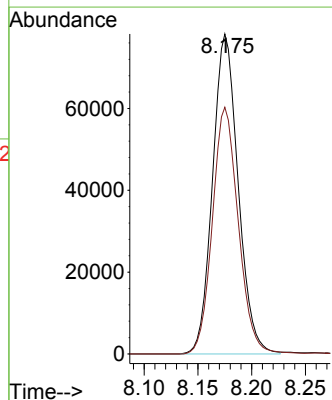
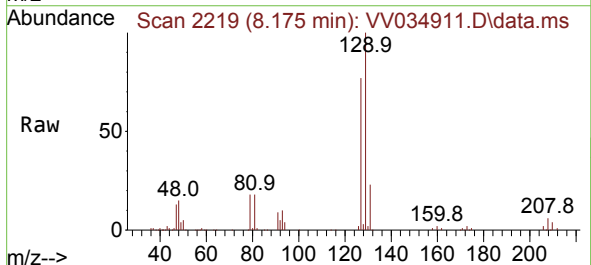
Ion	Ratio	Lower	Upper
43	100		
58	61.1	45.4	68.2
57	20.6	16.2	24.4
100	13.1	10.1	15.1

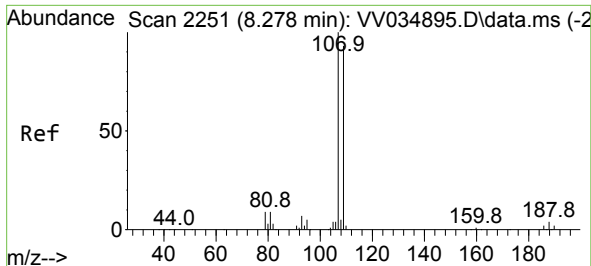


#49
Dibromochloromethane
Concen: 44.994 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.000 min
Lab File: VV034911.D
Acq: 29 Mar 2024 17:25

Tgt Ion: 129 Resp: 129396

Ion	Ratio	Lower	Upper
129	100		
127	77.1	54.1	100.5

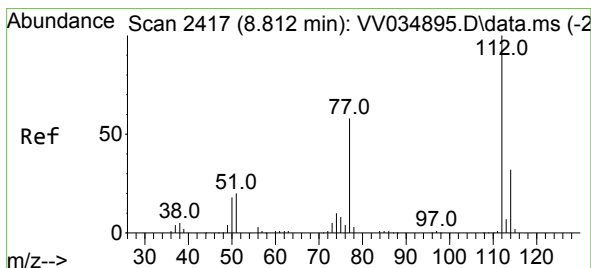
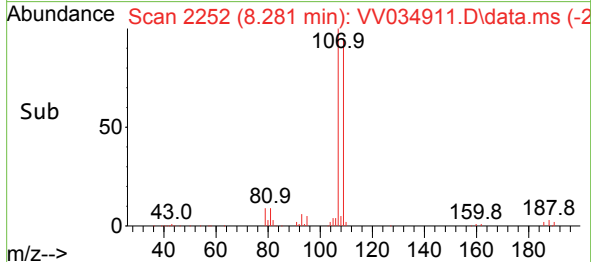
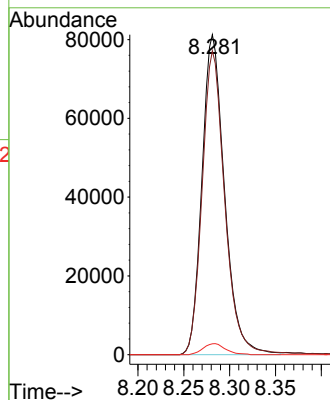
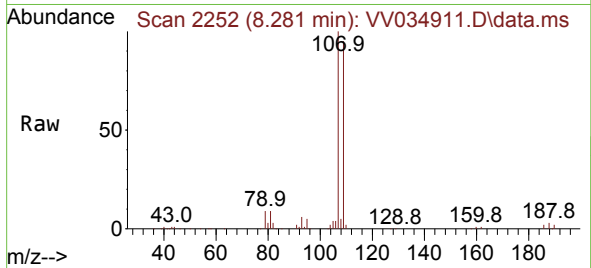




#50
1,2-Dibromoethane
Concen: 44.439 ug/L
RT: 8.281 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV034911.D
Acq: 29 Mar 2024 17:25

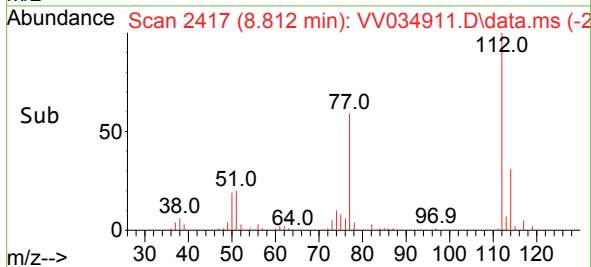
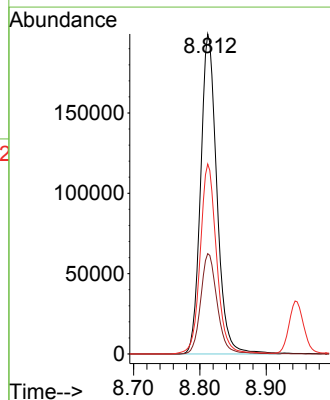
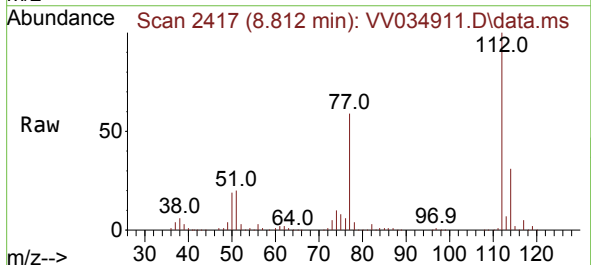
Instrument :
MSVOA_V
ClientSampleId :
VSTD050311

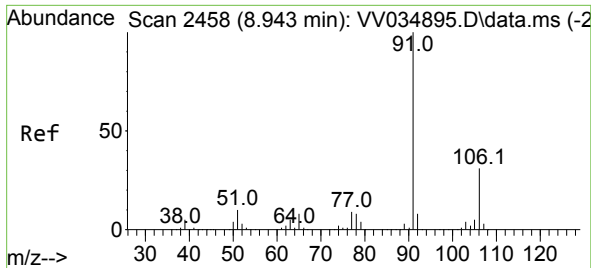
Tgt Ion:107 Resp: 138921
Ion Ratio Lower Upper
107 100
109 94.9 64.5 119.9
188 3.4 2.8 4.2



#51
Chlorobenzene
Concen: 44.935 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. -0.000 min
Lab File: VV034911.D
Acq: 29 Mar 2024 17:25

Tgt Ion:112 Resp: 339891
Ion Ratio Lower Upper
112 100
114 31.4 22.0 41.0
77 59.4 47.4 71.2

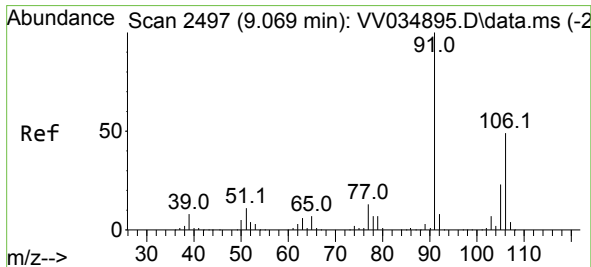
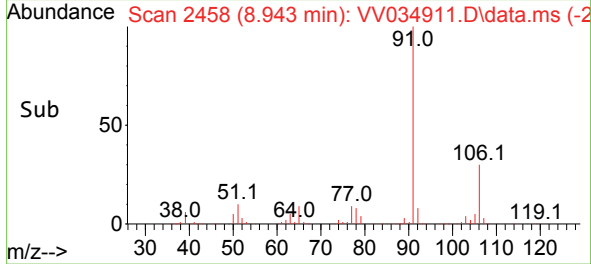
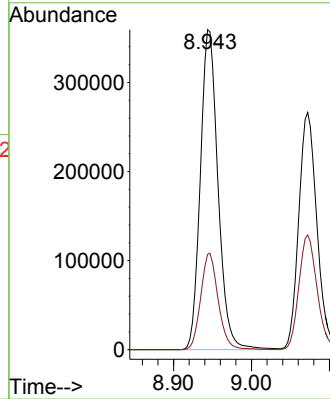
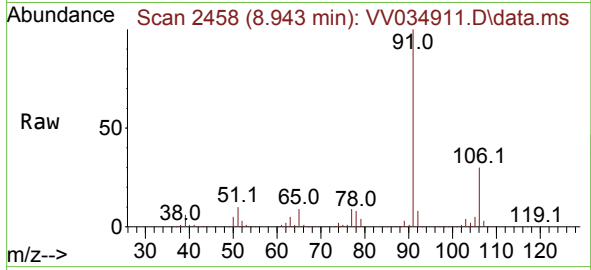




#52
Ethylbenzene
Concen: 43.736 ug/L
RT: 8.943 min Scan# 2458
Delta R.T. -0.000 min
Lab File: VV034911.D
Acq: 29 Mar 2024 17:25

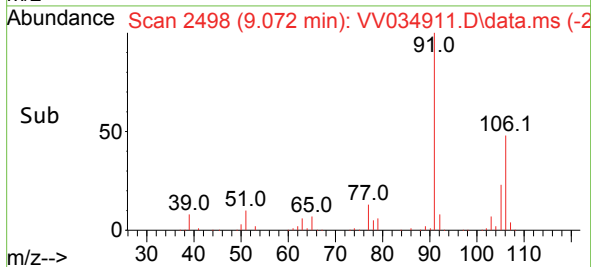
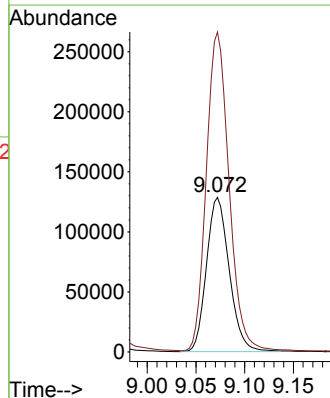
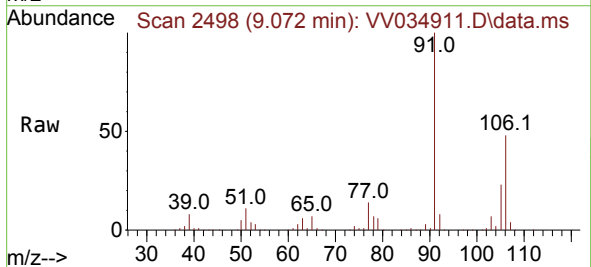
Instrument :
MSVOA_V
ClientSampleId :
VSTD050311

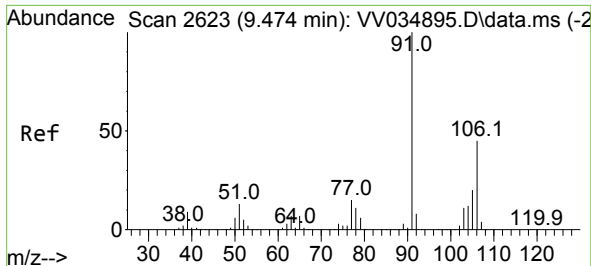
Tgt Ion: 91 Resp: 565708
Ion Ratio Lower Upper
91 100
106 29.7 21.3 39.5



#53
m,p-Xylene
Concen: 43.742 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV034911.D
Acq: 29 Mar 2024 17:25

Tgt Ion: 106 Resp: 208358
Ion Ratio Lower Upper
106 100
91 207.0 144.8 269.0

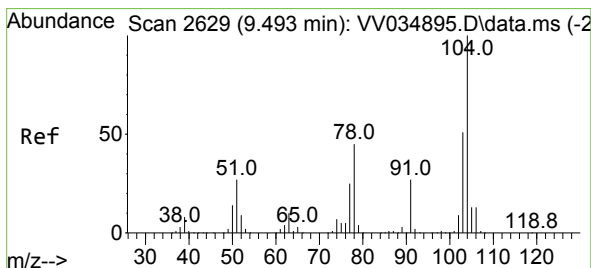
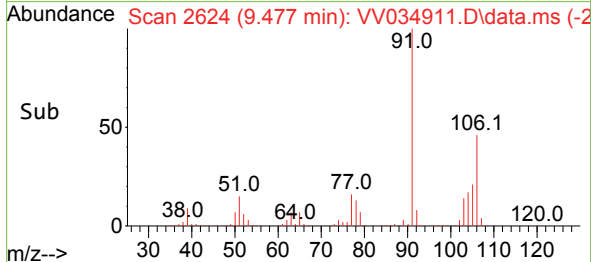
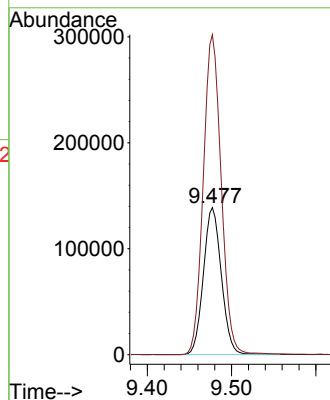
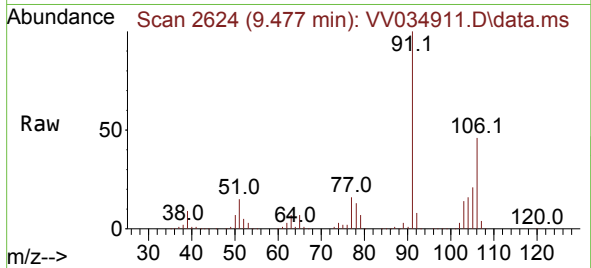




#54
o-Xylene
Concen: 43.819 ug/L
RT: 9.477 min Scan# 2623
Delta R.T. -0.000 min
Lab File: VV034911.D
Acq: 29 Mar 2024 17:25

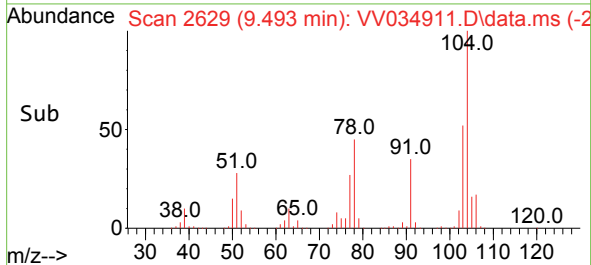
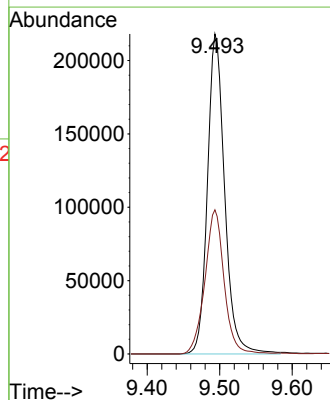
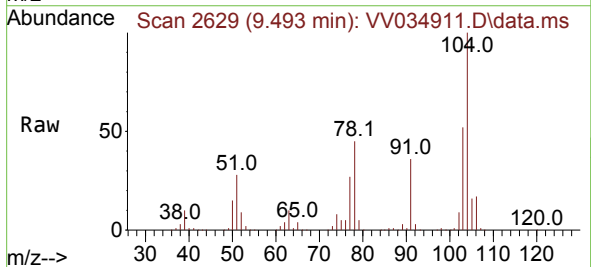
Instrument :
MSVOA_V
ClientSampleId :
VSTD050311

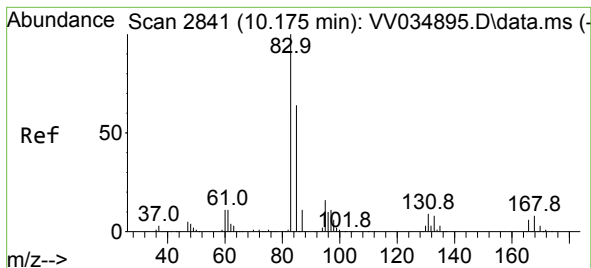
Tgt Ion:106 Resp: 206519
Ion Ratio Lower Upper
106 100
91 217.7 151.3 280.9



#55
Styrene
Concen: 45.231 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. -0.000 min
Lab File: VV034911.D
Acq: 29 Mar 2024 17:25

Tgt Ion:104 Resp: 360247
Ion Ratio Lower Upper
104 100
78 45.0 31.5 58.5

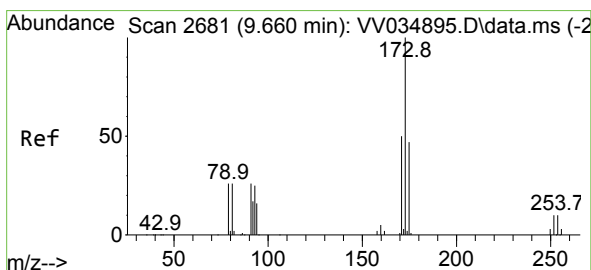
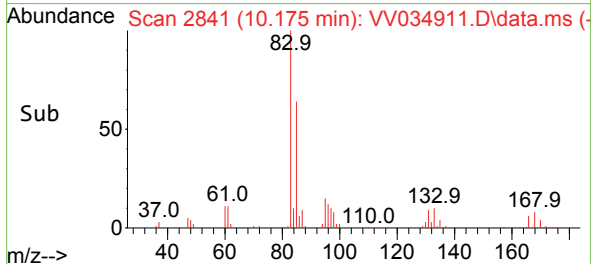
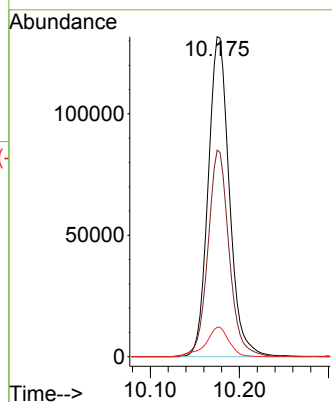
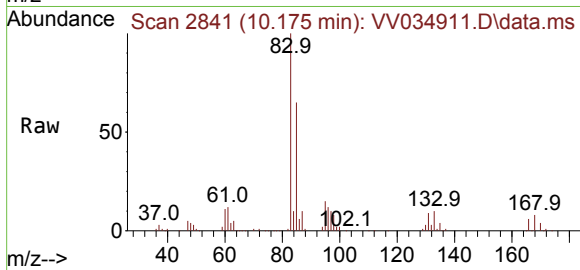




#57
 1,1,2,2-Tetrachloroethane
 Concen: 46.060 ug/L
 RT: 10.175 min Scan# 216693
 Delta R.T. -0.000 min
 Lab File: VV034911.D
 Acq: 29 Mar 2024 17:25

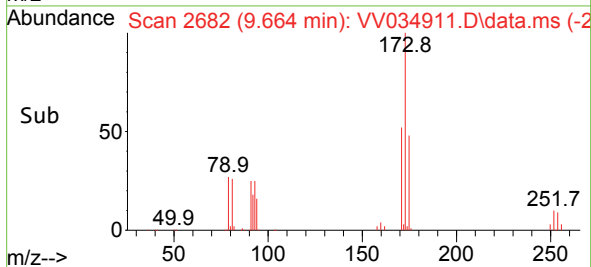
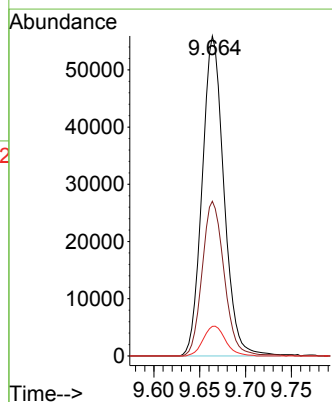
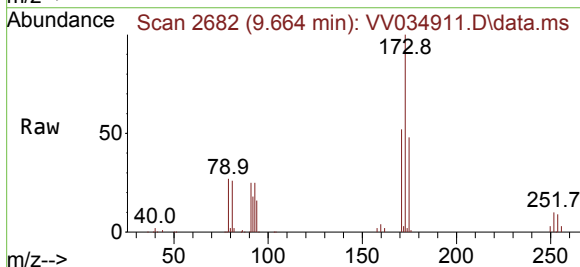
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050311

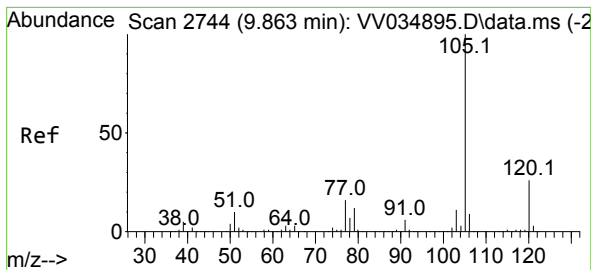
Tgt Ion: 83 Resp: 216693
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.5 82.7
 131 9.2 6.9 10.3



#59
 Bromoform
 Concen: 46.099 ug/L
 RT: 9.664 min Scan# 2682
 Delta R.T. -0.000 min
 Lab File: VV034911.D
 Acq: 29 Mar 2024 17:25

Tgt Ion: 173 Resp: 92354
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.3 58.9
 254 9.6 7.5 11.3





#60

Isopropylbenzene

Concen: 44.490 ug/L

RT: 9.866 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV034911.D

Acq: 29 Mar 2024 17:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050311

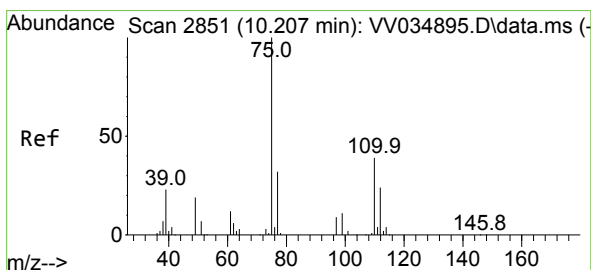
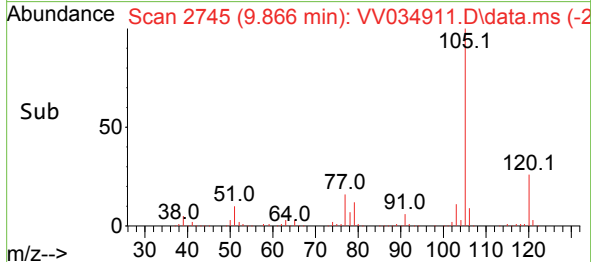
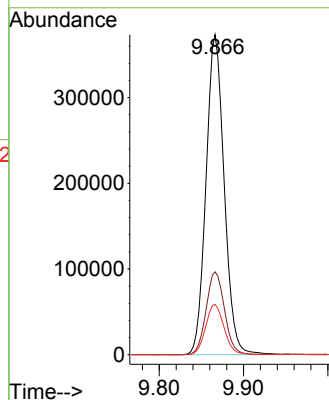
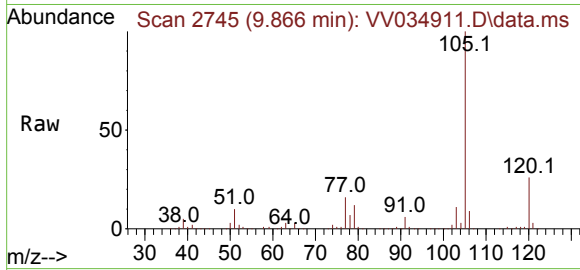
Tgt Ion:105 Resp: 560704

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

77 16.0 13.1 19.7



#61

1,2,3-Trichloropropane

Concen: 45.965 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. -0.000 min

Lab File: VV034911.D

Acq: 29 Mar 2024 17:25

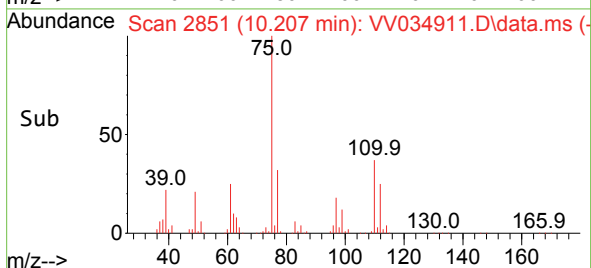
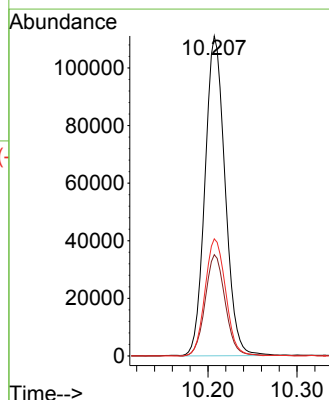
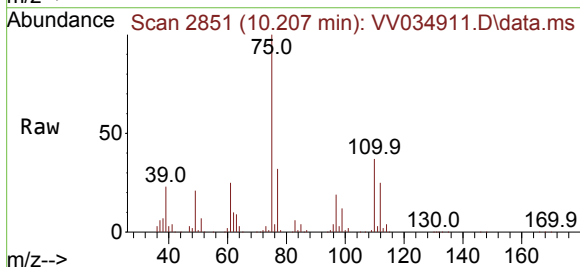
Tgt Ion: 75 Resp: 174124

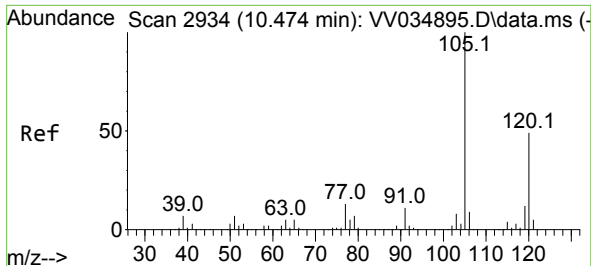
Ion Ratio Lower Upper

75 100

77 31.7 26.0 39.0

110 37.6 30.5 45.7





#62

1,3,5-Trimethylbenzene

Concen: 44.106 ug/L

RT: 10.477 min Scan# 2934

Delta R.T. 0.003 min

Lab File: VV034911.D

Acq: 29 Mar 2024 17:25

Instrument :

MSVOA_V

ClientSampleId :

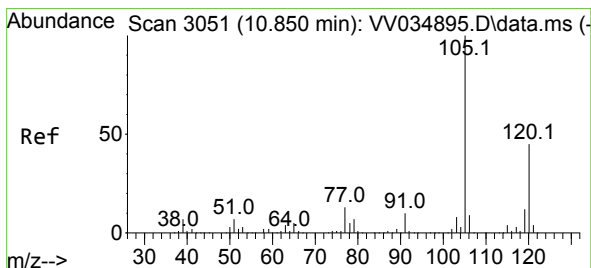
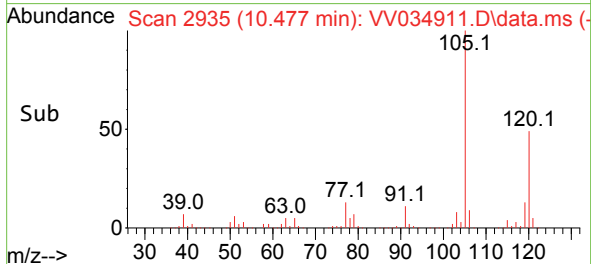
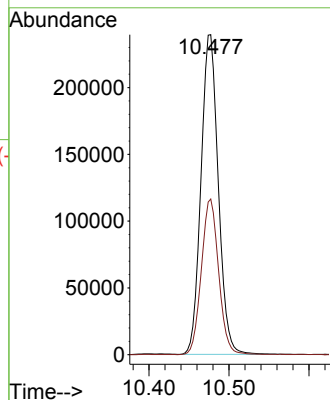
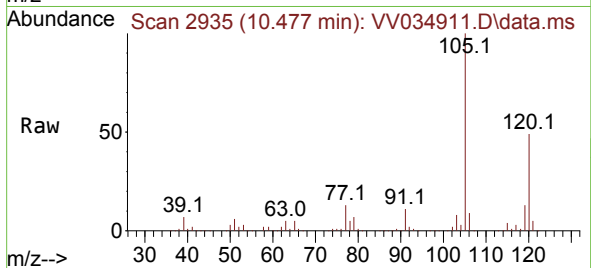
VSTD050311

Tgt Ion:105 Resp: 361007

Ion Ratio Lower Upper

105 100

120 48.7 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 44.565 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV034911.D

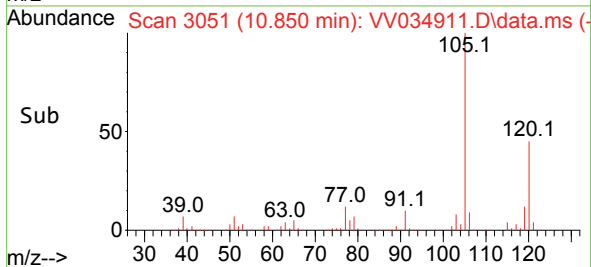
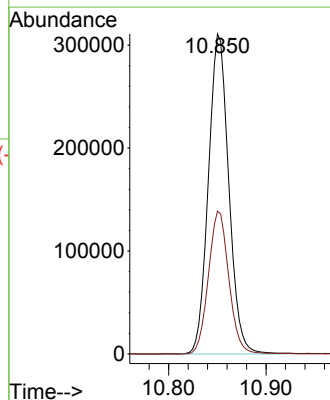
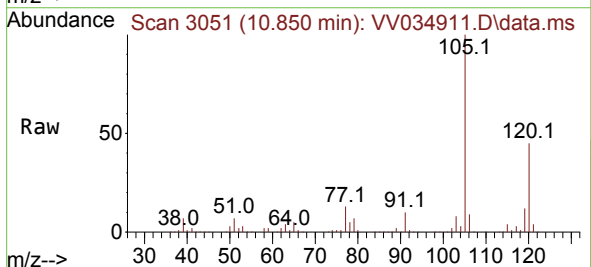
Acq: 29 Mar 2024 17:25

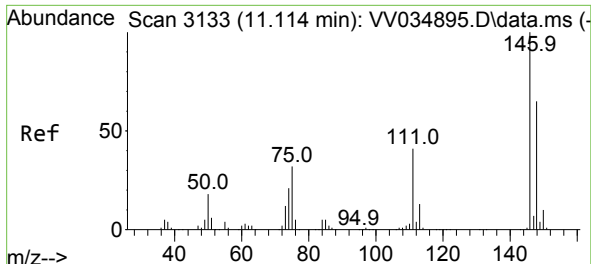
Tgt Ion:105 Resp: 450985

Ion Ratio Lower Upper

105 100

120 44.9 35.9 53.9

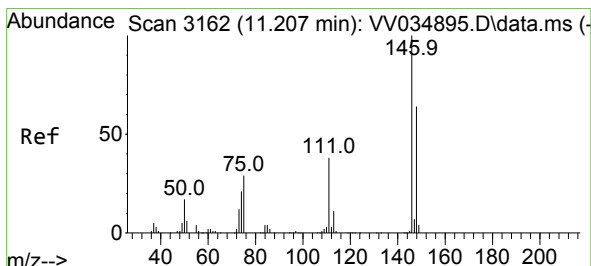
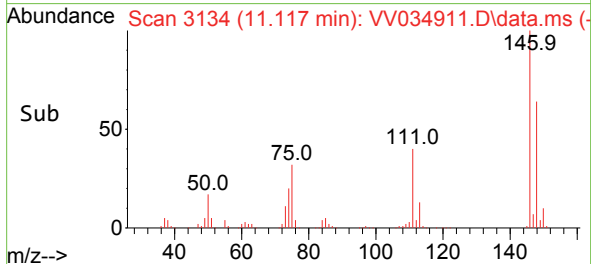
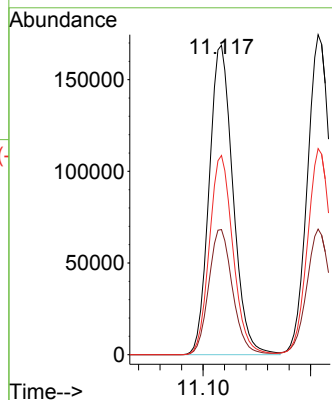
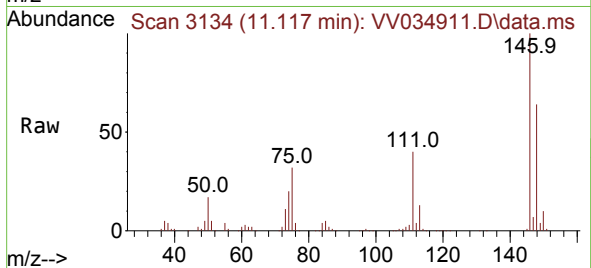




#64
1,3-Dichlorobenzene
Concen: 44.142 ug/L
RT: 11.117 min Scan# 3133
Delta R.T. 0.003 min
Lab File: VV034911.D
Acq: 29 Mar 2024 17:25

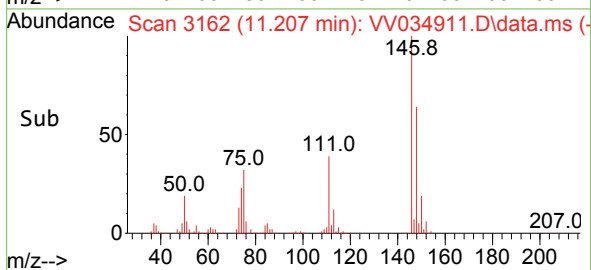
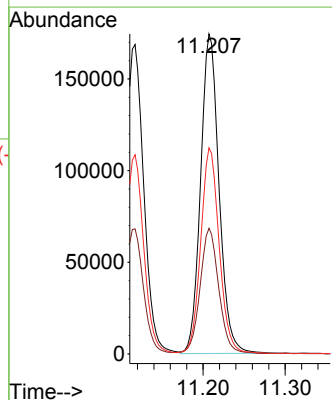
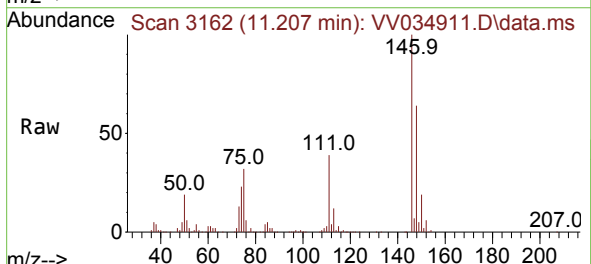
Instrument :
MSVOA_V
ClientSampleId :
VSTD050311

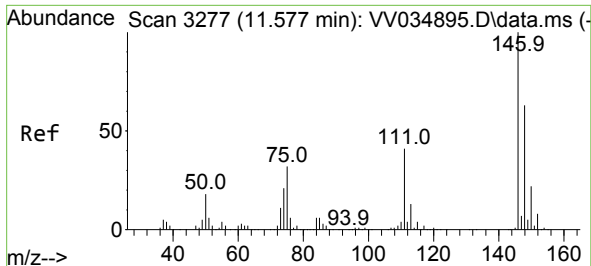
Tgt Ion:146 Resp: 259976
Ion Ratio Lower Upper
146 100
111 40.4 28.7 53.3
148 64.4 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 45.473 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. -0.000 min
Lab File: VV034911.D
Acq: 29 Mar 2024 17:25

Tgt Ion:146 Resp: 272353
Ion Ratio Lower Upper
146 100
111 39.3 27.4 50.8
148 64.4 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 46.746 ug/L

RT: 11.577 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV034911.D

Acq: 29 Mar 2024 17:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050311

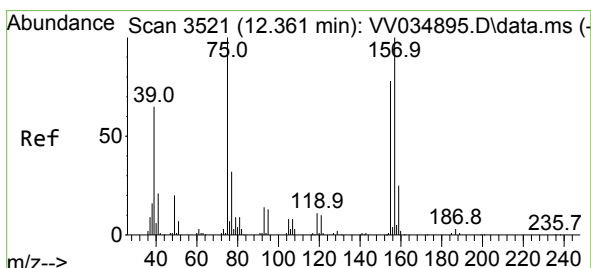
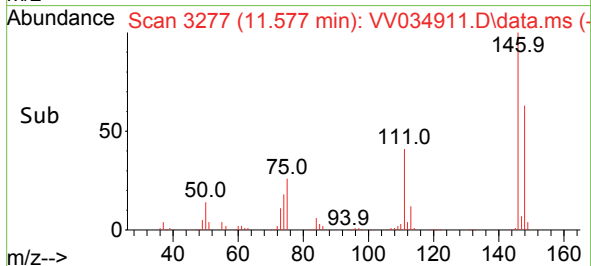
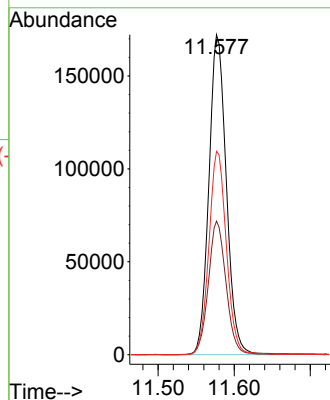
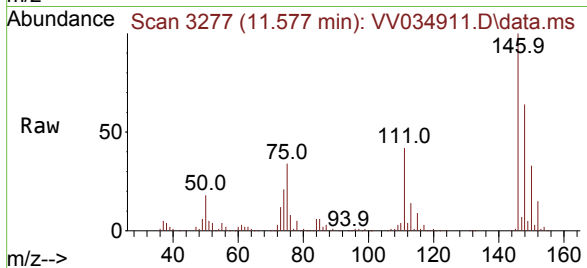
Tgt Ion:146 Resp: 274260

Ion Ratio Lower Upper

146 100

111 41.8 34.6 52.0

148 63.6 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 44.711 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.003 min

Lab File: VV034911.D

Acq: 29 Mar 2024 17:25

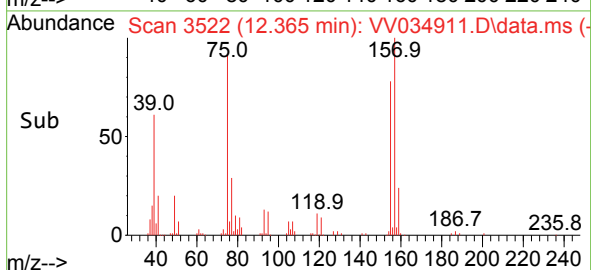
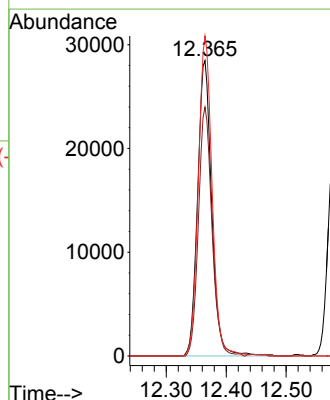
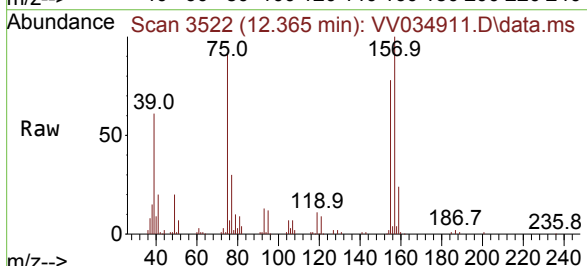
Tgt Ion: 75 Resp: 46663

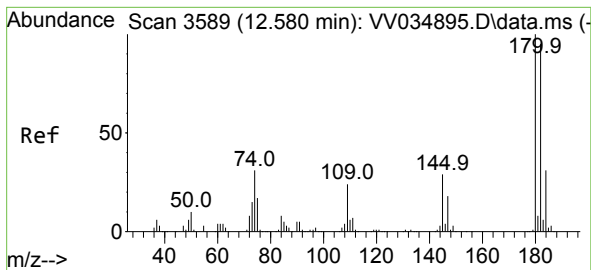
Ion Ratio Lower Upper

75 100

155 84.2 63.0 94.6

157 108.3 81.0 121.4





#69

1,3,5-Trichlorobenzene

Concen: 43.893 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

Lab File: VV034911.D

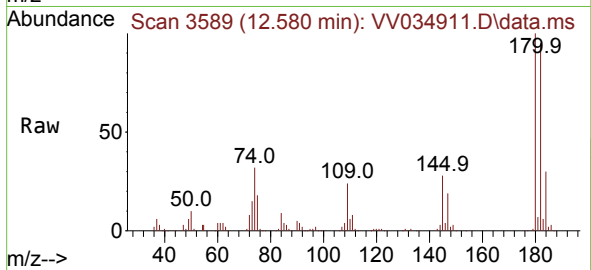
Acq: 29 Mar 2024 17:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050311



Tgt Ion:180 Resp: 186312

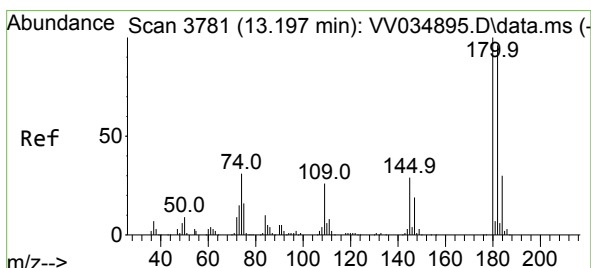
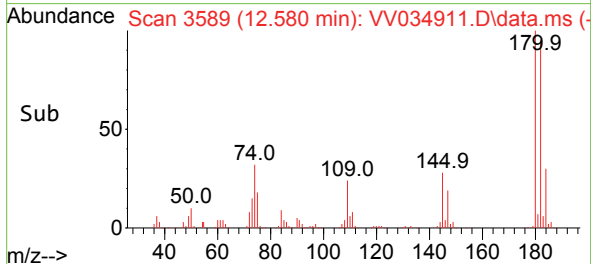
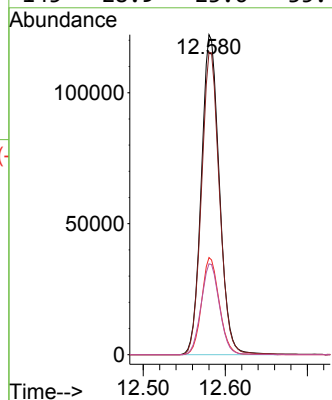
Ion Ratio Lower Upper

180 100

182 94.4 74.7 112.1

184 29.8 24.0 36.0

145 28.9 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 44.368 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. -0.000 min

Lab File: VV034911.D

Acq: 29 Mar 2024 17:25

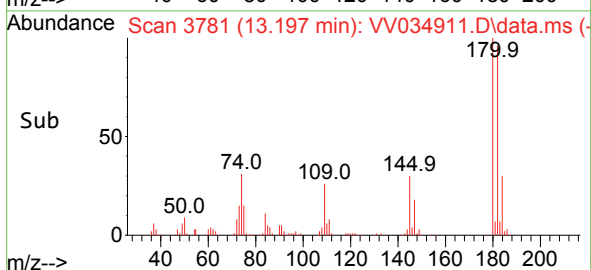
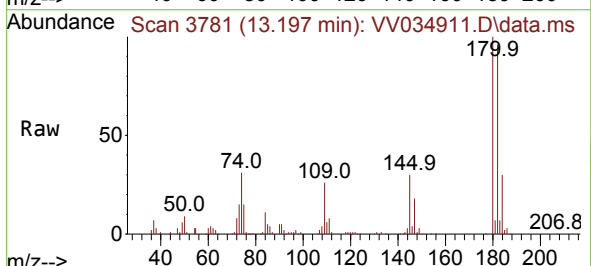
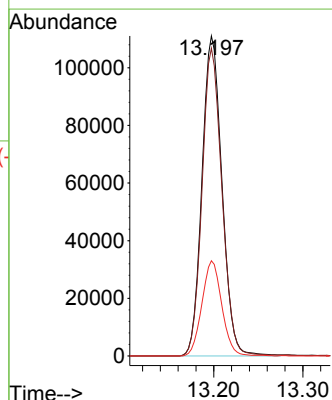
Tgt Ion:180 Resp: 172991

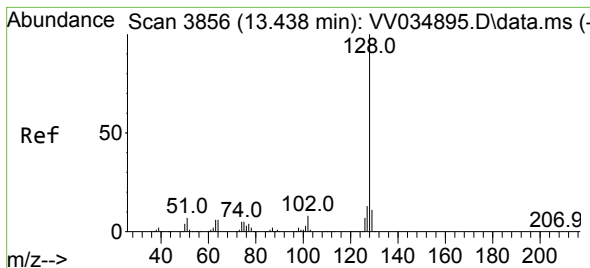
Ion Ratio Lower Upper

180 100

182 95.4 75.6 113.4

145 29.5 24.1 36.1





#71

Naphthalene

Concen: 40.511 ug/L

RT: 13.438 min Scan# 3856

Delta R.T. 0.003 min

Lab File: VV034911.D

Acq: 29 Mar 2024 17:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050311

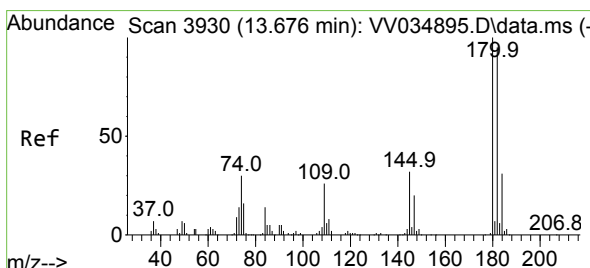
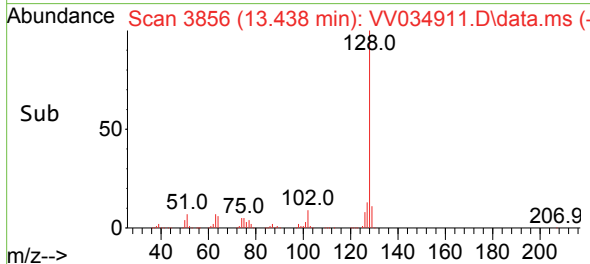
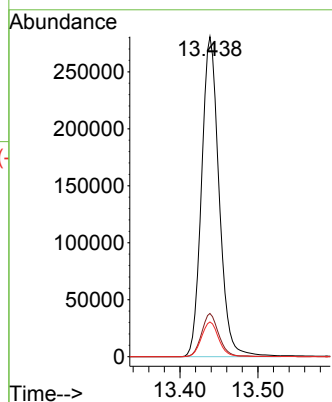
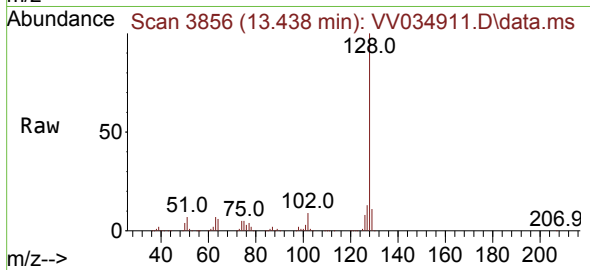
Tgt Ion:128 Resp: 438226

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 10.7 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 45.762 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV034911.D

Acq: 29 Mar 2024 17:25

Tgt Ion:180 Resp: 175879

Ion Ratio Lower Upper

180 100

182 94.9 76.2 114.2

145 31.8 25.8 38.6

