

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041823\
 Data File : VW030655.D
 Acq On : 19 Apr 2023 07:02
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050291

Quant Time: Apr 19 07:54:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:45:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	295057	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	279346	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	153396	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	78373	36.233	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.460%
7) Chloroethane-d5	1.536	69	65839	36.323	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.640%
11) 1,1-Dichloroethene-d2	2.066	65	38684	37.712	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.420%
21) 2-Butanone-d5	3.796	46	110496	93.007	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.010%
24) Chloroform-d	4.259	84	161656	41.240	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.480%
26) 1,2-Dichloroethane-d4	4.950	65	106572	42.288	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.580%
32) Benzene-d6	4.969	84	292483	44.285	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.580%
36) 1,2-Dichloropropane-d6	5.998	67	89132	43.446	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.900%
41) Toluene-d8	7.249	98	274621	44.286	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.580%
43) trans-1,3-Dichloroprop...	7.558	79	45059	43.577	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.160%
47) 2-Hexanone-d5	8.030	63	74141	91.738	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.740%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	131363	44.128	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.260%
66) 1,2-Dichlorobenzene-d4	11.567	152	108288	44.414	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.820%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	106336	41.917	ug/L	99
3) Chloromethane	1.217	50	138913	41.744	ug/L	99
5) Vinyl chloride	1.288	62	117296	43.720	ug/L	99
6) Bromomethane	1.491	94	47366	44.524	ug/L	98
8) Chloroethane	1.552	64	75608	41.088	ug/L	100
9) Trichlorofluoromethane	1.719	101	189999	43.696	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	98393	43.057	ug/L	98
12) 1,1-Dichloroethene	2.076	96	94129	45.560	ug/L	95
13) Acetone	2.121	43	115844	63.014	ug/L	98
14) Carbon disulfide	2.249	76	254775	43.659	ug/L	98
15) Methyl Acetate	2.378	43	117233	47.786	ug/L	99
16) Methylene chloride	2.455	84	105167	44.482	ug/L	98
17) trans-1,2-Dichloroethene	2.703	96	93287	44.727	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	335140	50.166	ug/L	99
19) 1,1-Dichloroethane	3.121	63	192861	45.353	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	105117	46.331	ug/L	96
22) 2-Butanone	3.876	43	159698	84.060	ug/L	100
23) Bromochloromethane	4.156	128	57825	45.633	ug/L	98
25) Chloroform	4.288	83	198562	45.114	ug/L	99

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	171653	46.072	ug/L	99
29) Cyclohexane	4.593	56	163555	48.789	ug/L	100
30) 1,1,1-Trichloroethane	4.523	97	181376	46.208	ug/L	100
31) Carbon tetrachloride	4.744	117	160032	45.600	ug/L	99
33) Benzene	5.018	78	446232	52.604	ug/L	100
34) Trichloroethene	5.841	95	108144	49.012	ug/L	97
35) Methylcyclohexane	6.059	83	162181	46.909	ug/L	98
37) 1,2-Dichloropropane	6.101	63	107448	47.060	ug/L	100
38) Bromodichloromethane	6.439	83	148821	46.400	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	154636	45.125	ug/L	98
40) 4-Methyl-2-pentanone	7.166	43	322732	101.189	ug/L	99
42) Toluene	7.323	91	441602	48.603	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	159634	47.415	ug/L	100
45) 1,1,2-Trichloroethane	7.776	97	107605	47.000	ug/L	99
46) Tetrachloroethene	7.911	164	87954	45.540	ug/L	98
48) 2-Hexanone	8.082	43	244646	92.964	ug/L	99
49) Dibromochloromethane	8.185	129	114471	45.329	ug/L	99
50) 1,2-Dibromoethane	8.291	107	110920	46.758	ug/L	98
51) Chlorobenzene	8.821	112	420050	69.805	ug/L	99
52) Ethylbenzene	8.953	91	490778	48.791	ug/L	100
53) m,p-Xylene	9.079	106	186428	49.067	ug/L	98
54) o-Xylene	9.487	106	184779	49.713	ug/L	100
55) Styrene	9.503	104	320146	49.034	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	173153	46.064	ug/L	99
59) Bromoform	9.673	173	92974	48.411	ug/L	99
60) Isopropylbenzene	9.876	105	495049	51.747	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	132598	48.263	ug/L	100
62) 1,3,5-Trimethylbenzene	10.484	105	406608	51.622	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	404537	51.439	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	237587	49.605	ug/L	100
65) 1,4-Dichlorobenzene	11.217	146	342020	67.719	ug/L	100
67) 1,2-Dichlorobenzene	11.587	146	309178	63.987	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	38463	47.253	ug/L	98
69) 1,3,5-Trichlorobenzene	12.590	180	169647	46.889	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	157942	51.414	ug/L	99
71) Naphthalene	13.448	128	409842	48.771	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	151677	49.793	ug/L	99

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

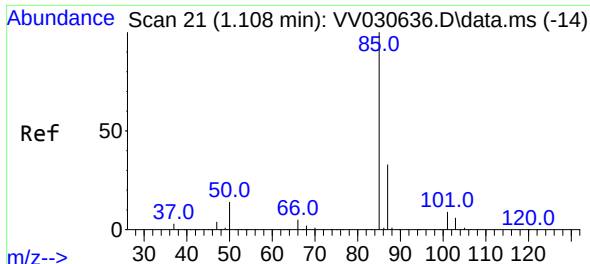
Instrument :
MSVOA_V
ClientSampleId :
VSTD050291

Abundance

TIC: VV030655.D\data.ms

Time-->

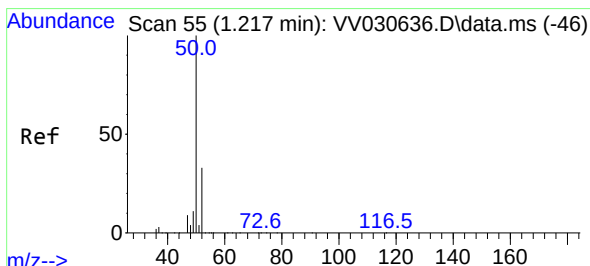
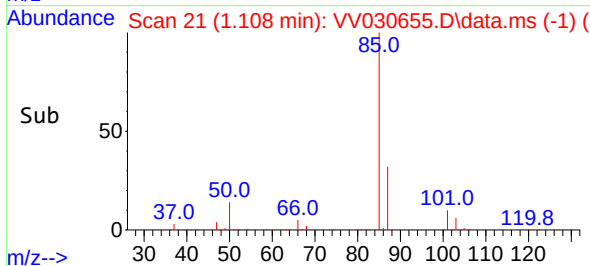
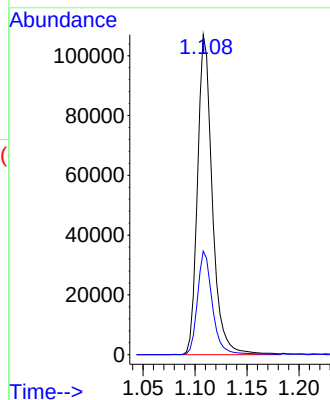
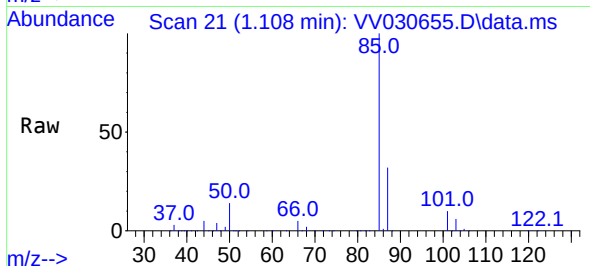
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Methylene chloride, T
1,1-Dichloroethane, T
2-Butanone-d5, S
cis-1,2-Dichloroethene, T
Bromochloropropane, T
1,1,1-Trichloroethane, T
Carbon tetrachloride, T
1,2-Dibromoethane, T
Benzene, T
1,2-Dichlorobenzene, I
1,4-Difluorobenzene, I
Trichloroethene, T
1,2-Dichloropropane-d6, S
Methylcyclohexane, T
Bromodichloromethane, T
cis-1,3-Dichloropropene, T
trans-1,3-Dichloropropene, T
Toluene-d8, S
Toluene, T
trans-1,3-Dichloropropene, T
1,1,2-Trichloroethane, T
tetrachloroethene, T
2-Hexanone-d5, S
Octamethane, T
1,2-Dibromopropane, T
Chlorobenzene-d5, I
Ethylbenzene, T
m,p-Xylene, I
Chlorobenzene, T
Styrene, T
o-Xylene, T
Isopropylbenzene
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene
1,3-Dichlorobenzene, T
1,4-Dichlorobenzene, T
1,2-Dichlorobenzene, T
1,2-Dibromo-3-chloropropane, T
1,3,5-Trichlorobenzene
1,2,4-trichlorobenzene, T
Naphthalene
1,2,3-Trichlorobenzene, T



#2
 Dichlorodifluoromethane
 Concen: 41.917 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030655.D
 Acq: 19 Apr 2023 07:02

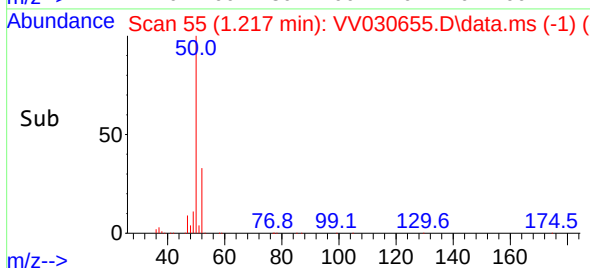
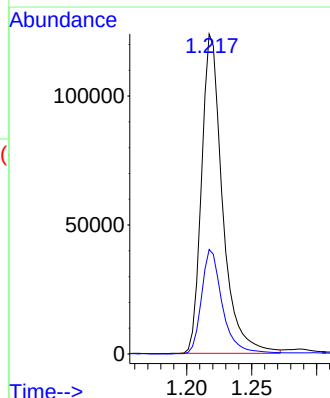
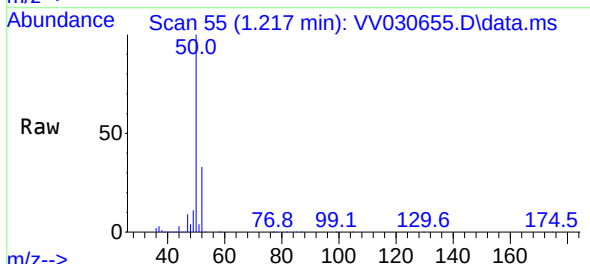
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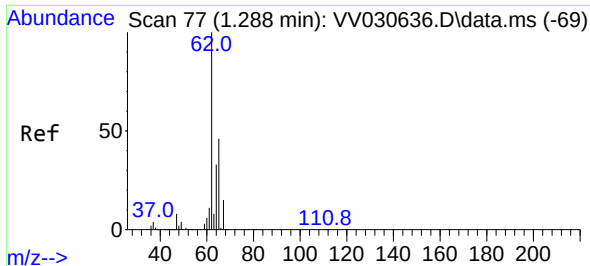
Tgt Ion: 85 Resp: 106336
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.6 38.4



#3
 Chloromethane
 Concen: 41.744 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030655.D
 Acq: 19 Apr 2023 07:02

Tgt Ion: 50 Resp: 138913
 Ion Ratio Lower Upper
 50 100
 52 32.6 22.5 41.9

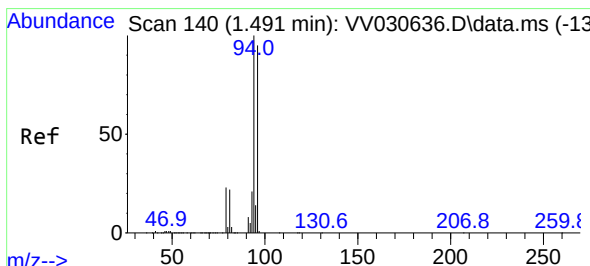
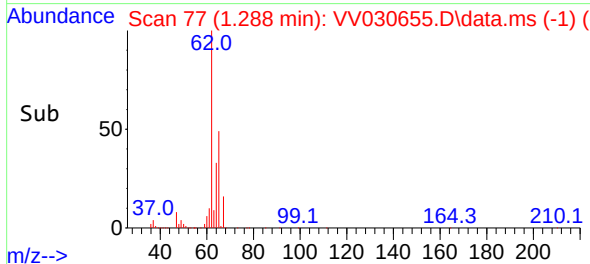
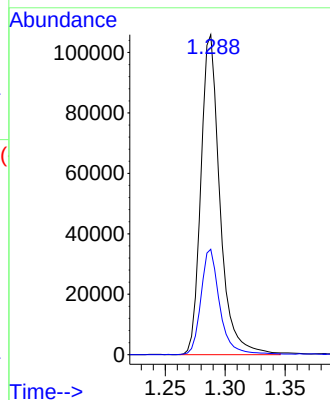
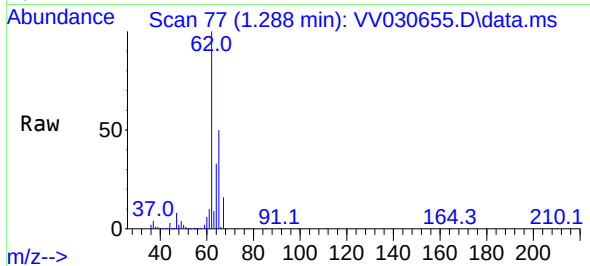




#5
 Vinyl chloride
 Concen: 43.720 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VV030655.D
 Acq: 19 Apr 2023 07:02

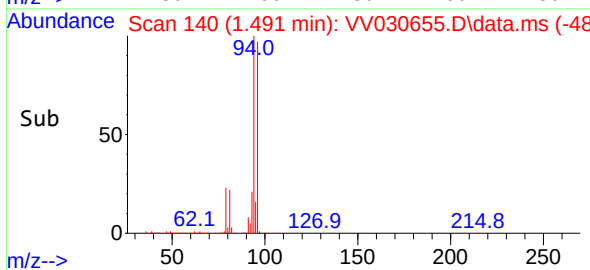
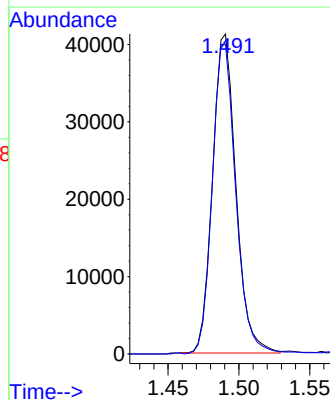
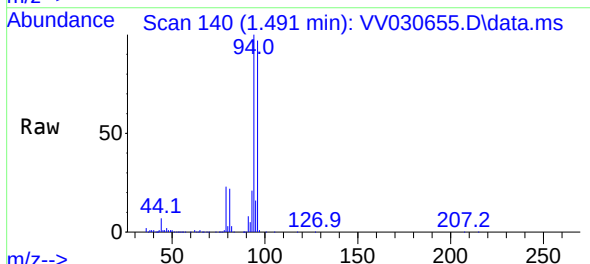
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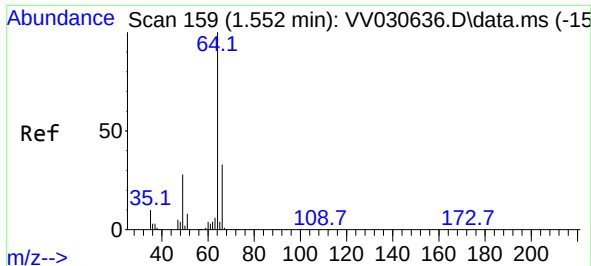
Tgt Ion: 62 Resp: 117296
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.4 43.4



#6
 Bromomethane
 Concen: 44.524 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. -0.003 min
 Lab File: VV030655.D
 Acq: 19 Apr 2023 07:02

Tgt Ion: 94 Resp: 47366
 Ion Ratio Lower Upper
 94 100
 96 96.8 66.3 123.1

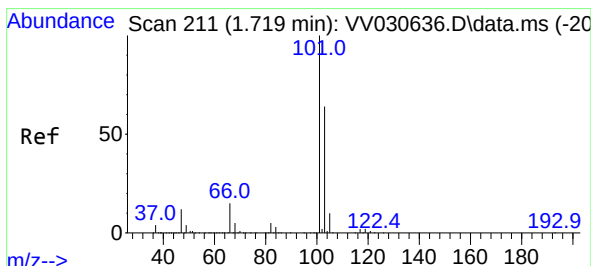
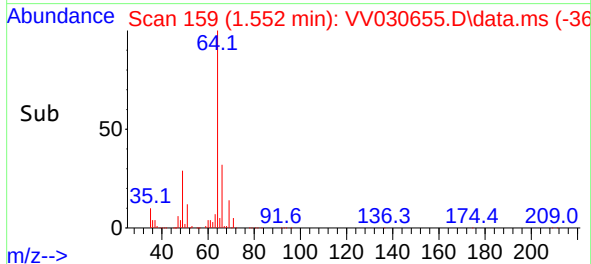
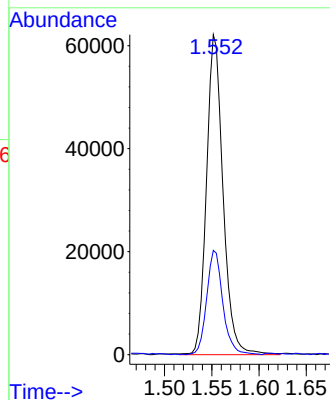
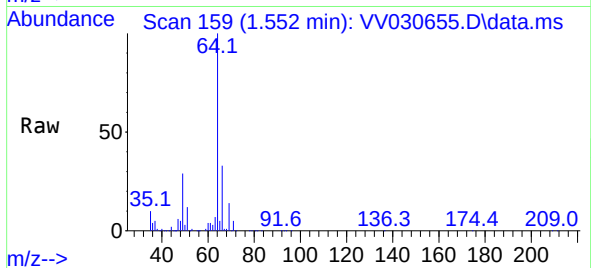




#8
Chloroethane
Concen: 41.088 ug/L
RT: 1.552 min Scan# 159
Delta R.T. -0.003 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

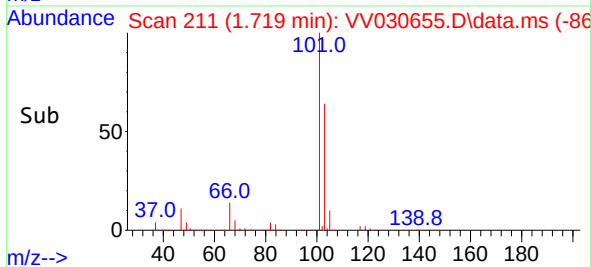
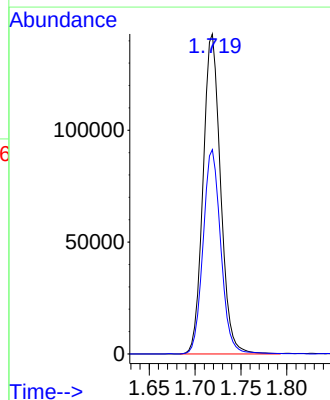
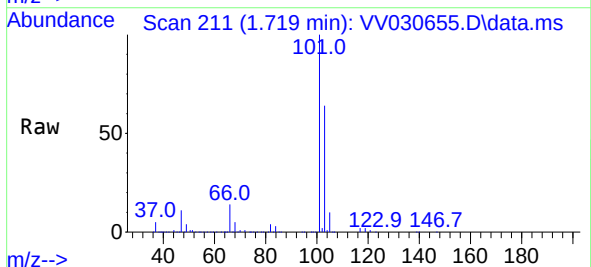
Instrument :
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ClientSampleId :
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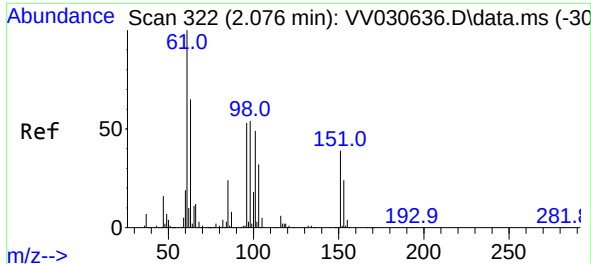
Tgt Ion: 64 Resp: 75608
Ion Ratio Lower Upper
64 100
66 32.6 22.7 42.3



#9
Trichlorofluoromethane
Concen: 43.696 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

Tgt Ion:101 Resp: 189999
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.0

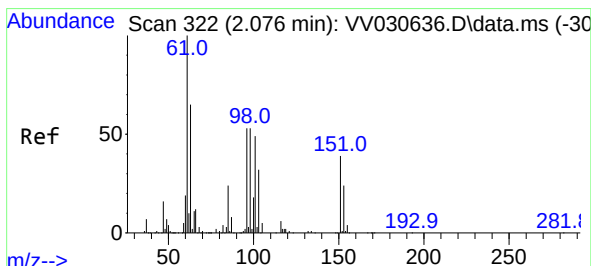
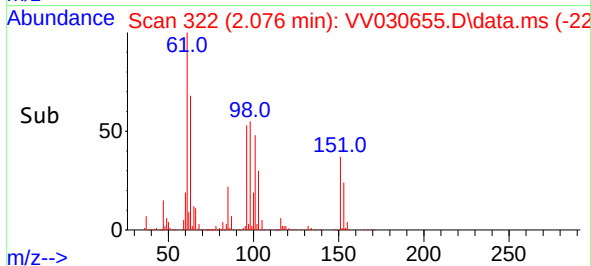
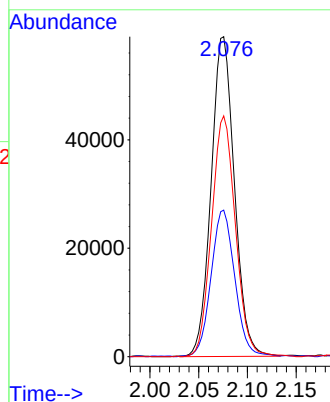
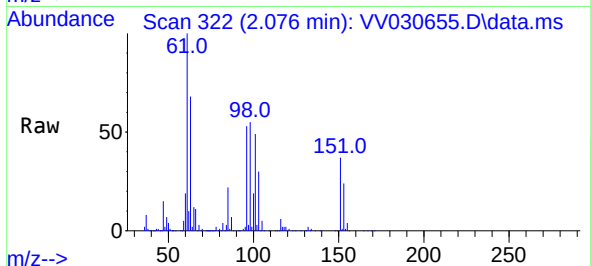




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 43.057 ug/L
RT: 2.076 min Scan# 311
Delta R.T. 0.003 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

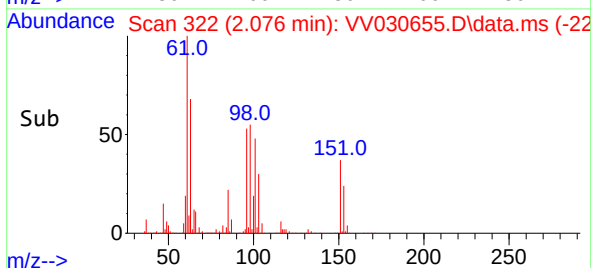
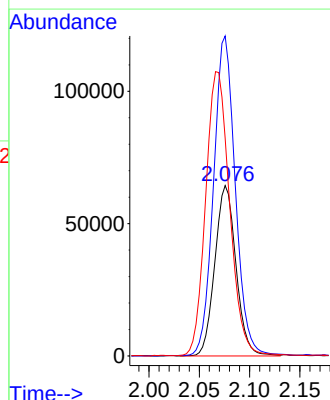
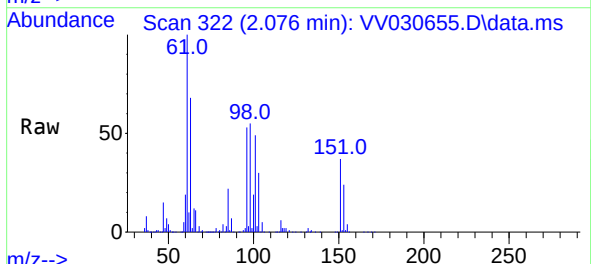
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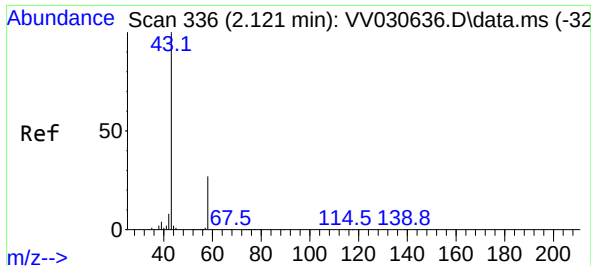
Tgt Ion:101 Resp: 98393
Ion Ratio Lower Upper
101 100
85 46.8 37.5 56.3
151 77.2 63.5 95.3



#12
1,1-Dichloroethene
Concen: 45.560 ug/L
RT: 2.076 min Scan# 322
Delta R.T. -0.000 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

Tgt Ion: 96 Resp: 94129
Ion Ratio Lower Upper
96 100
61 187.8 131.9 245.0
63 127.8 99.8 185.3





#13

Acetone

Concen: 63.014 ug/L

RT: 2.121 min Scan# 31

Delta R.T. -0.010 min

Lab File: VV030655.D

Acq: 19 Apr 2023 07:02

Instrument :

MSVOA_V

ClientSampleId :

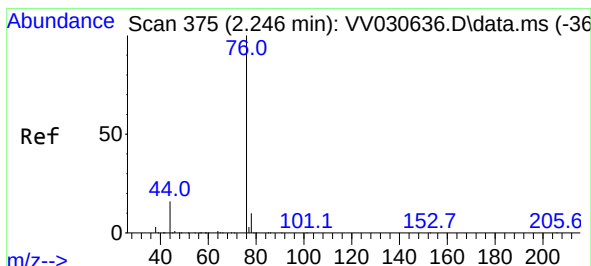
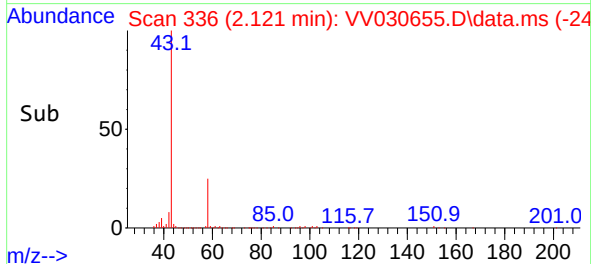
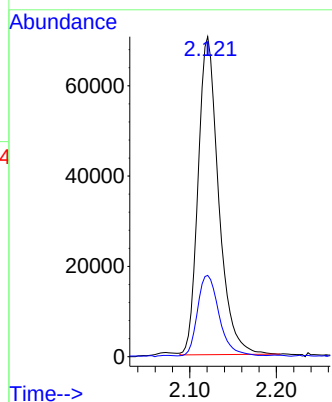
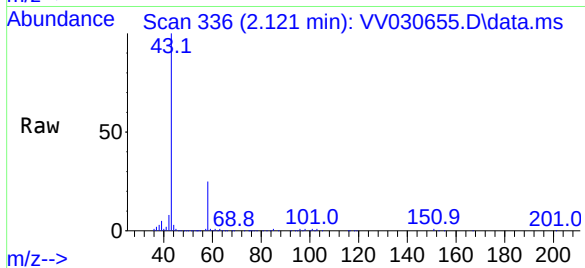
VSTD050291

Tgt Ion: 43 Resp: 115844

Ion Ratio Lower Upper

43 100

58 27.2 0.0 52.8



#14

Carbon disulfide

Concen: 43.659 ug/L

RT: 2.249 min Scan# 376

Delta R.T. 0.003 min

Lab File: VV030655.D

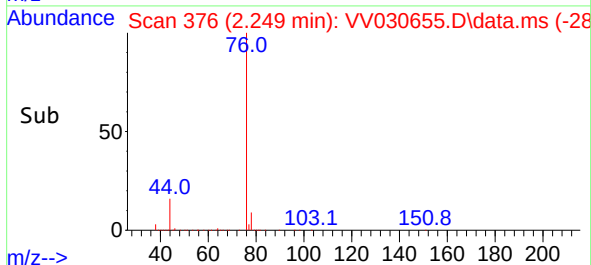
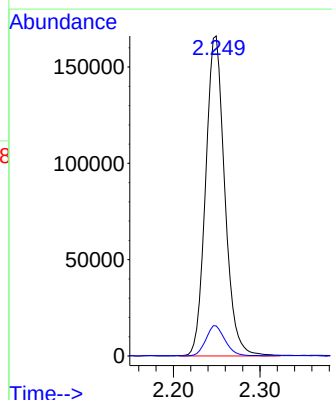
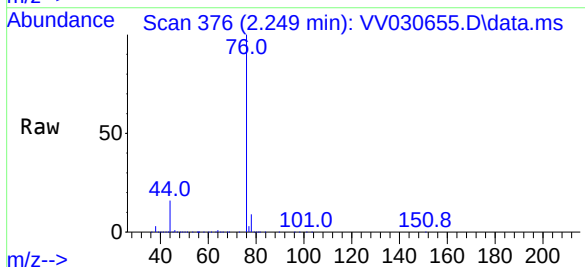
Acq: 19 Apr 2023 07:02

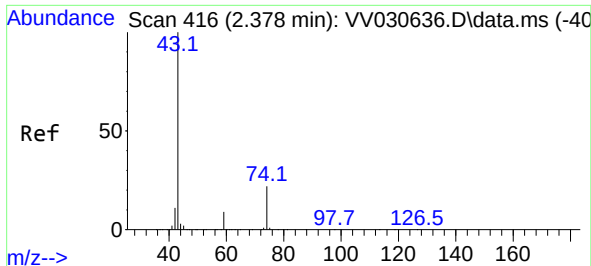
Tgt Ion: 76 Resp: 254775

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.4

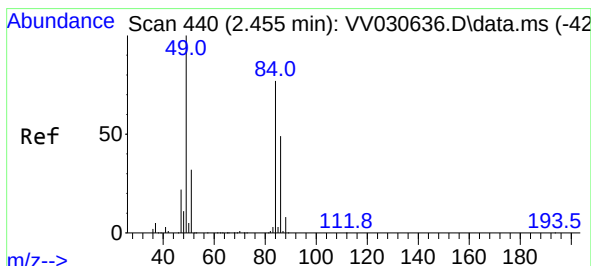
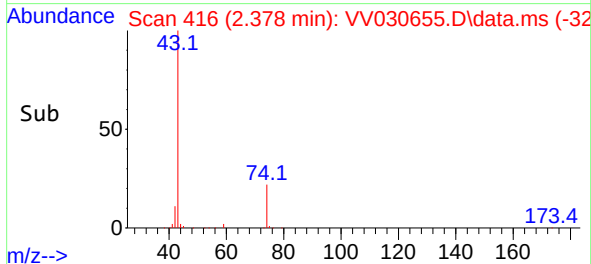
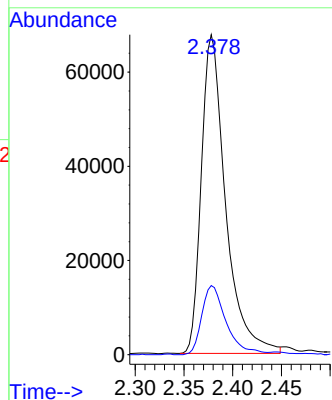
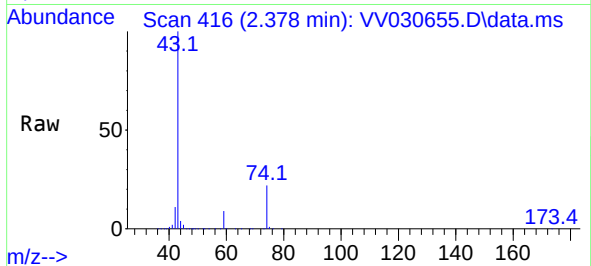




#15
Methyl Acetate
Concen: 47.786 ug/L
RT: 2.378 min Scan# 416
Delta R.T. -0.003 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

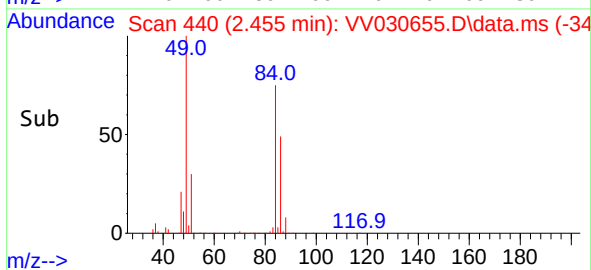
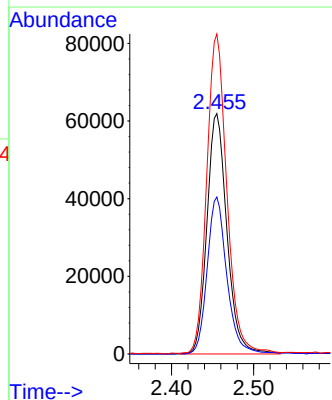
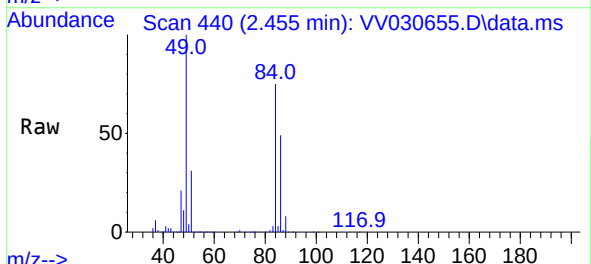
Instrument :
MSVOA_V
ClientSampleId :
VSTD050291

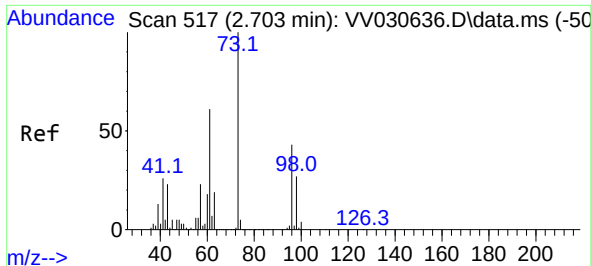
Tgt Ion: 43 Resp: 117233
Ion Ratio Lower Upper
43 100
74 21.8 17.7 26.5



#16
Methylene chloride
Concen: 44.482 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

Tgt Ion: 84 Resp: 105167
Ion Ratio Lower Upper
84 100
86 65.3 45.4 84.2
49 133.2 90.4 168.0

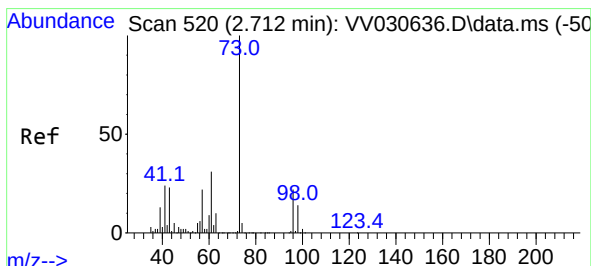
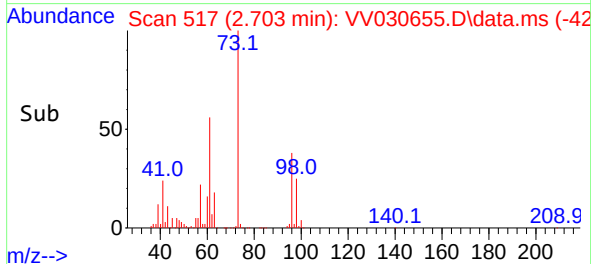
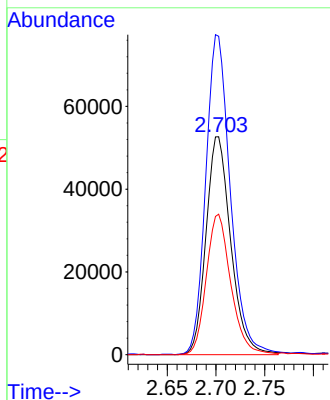
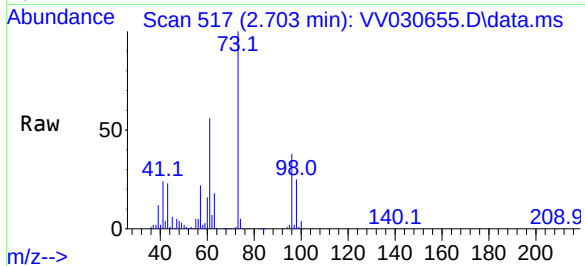




#17
trans-1,2-Dichloroethene
Concen: 44.727 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

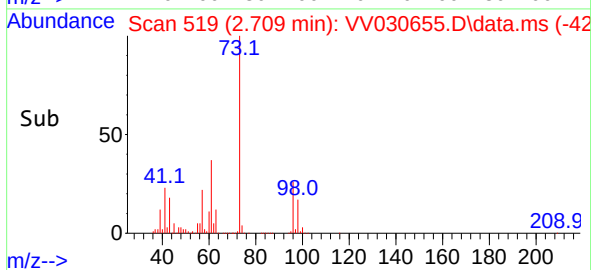
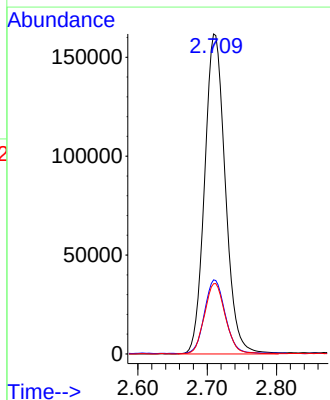
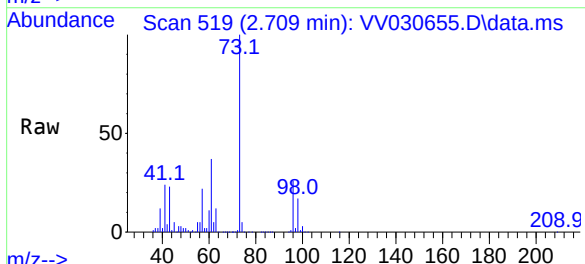
Instrument :
MSVOA_V
ClientSampleId :
VSTD050291

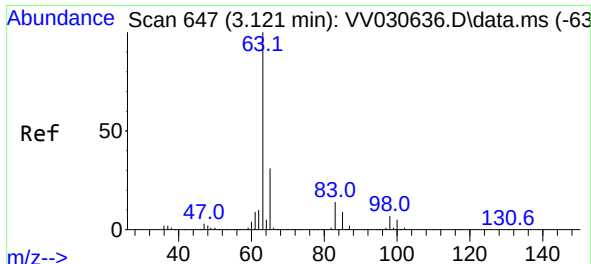
Tgt Ion: 96 Resp: 93287
Ion Ratio Lower Upper
96 100
61 146.1 101.0 187.6
98 64.5 45.4 84.2



#18
Methyl tert-butyl Ether
Concen: 50.166 ug/L
RT: 2.709 min Scan# 519
Delta R.T. -0.000 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

Tgt Ion: 73 Resp: 335140
Ion Ratio Lower Upper
73 100
43 22.9 17.6 26.4
57 22.4 18.2 27.2



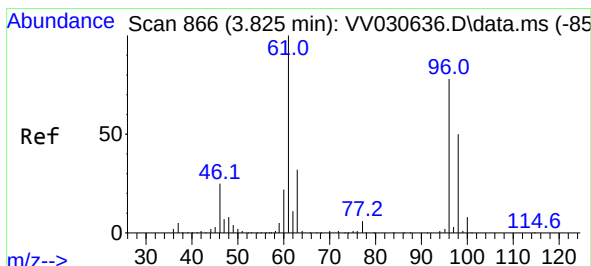
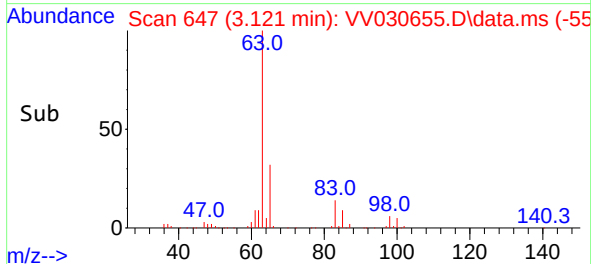
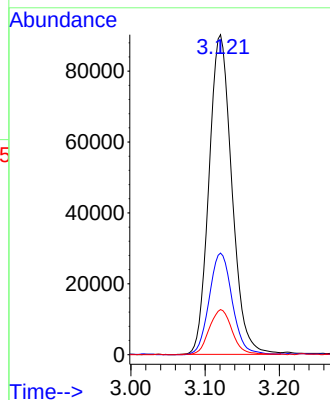
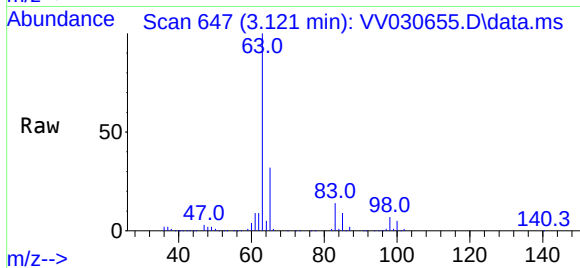


#19
1,1-Dichloroethane
Concen: 45.353 ug/L
RT: 3.121 min Scan# 647
Delta R.T. 0.003 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD050291

Tgt Ion: 63 Resp: 192861

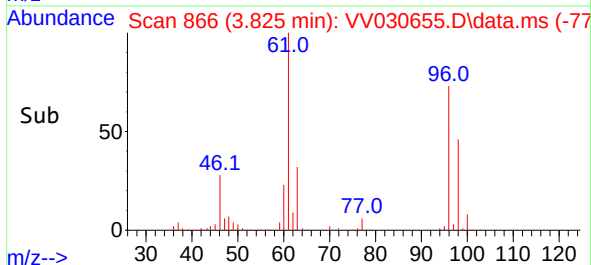
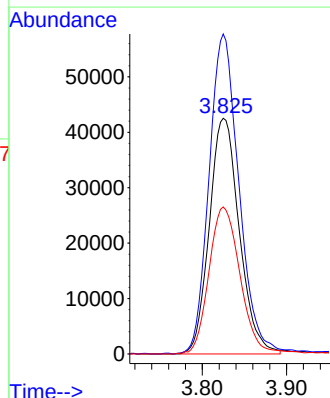
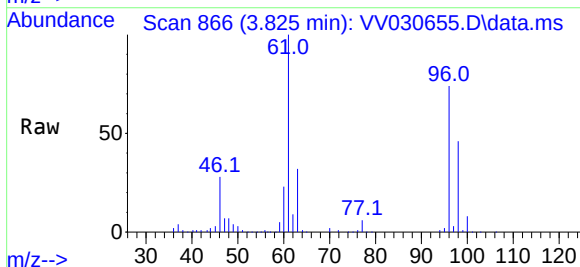
Ion	Ratio	Lower	Upper
63	100		
65	31.8	21.8	40.6
83	14.1	10.2	19.0

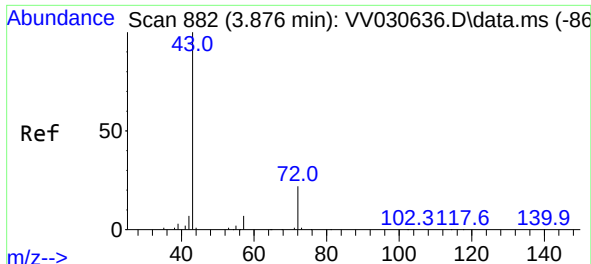


#20
cis-1,2-Dichloroethene
Concen: 46.331 ug/L
RT: 3.825 min Scan# 866
Delta R.T. 0.003 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

Tgt Ion: 96 Resp: 105117

Ion	Ratio	Lower	Upper
96	100		
61	135.8	92.3	171.3
98	62.4	45.9	85.3

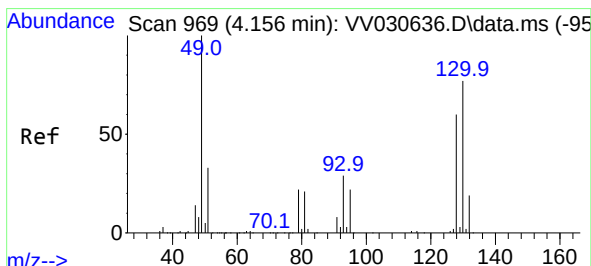
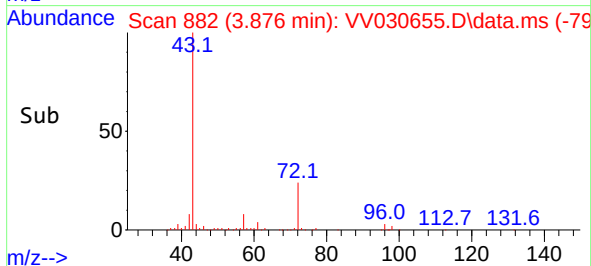
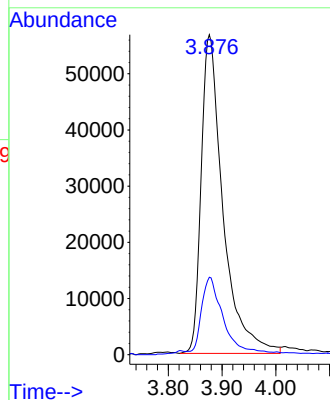
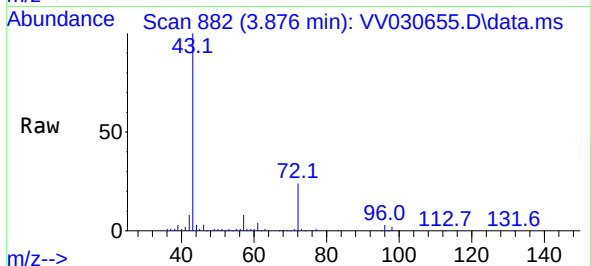




#22
2-Butanone
Concen: 84.060 ug/L
RT: 3.876 min Scan# 882
Delta R.T. -0.006 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

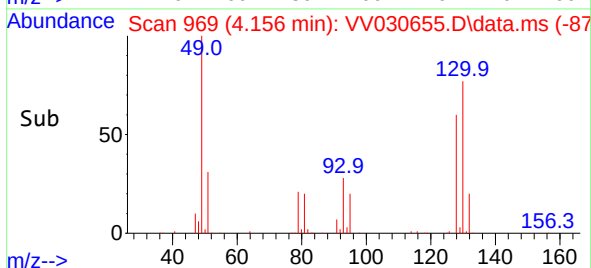
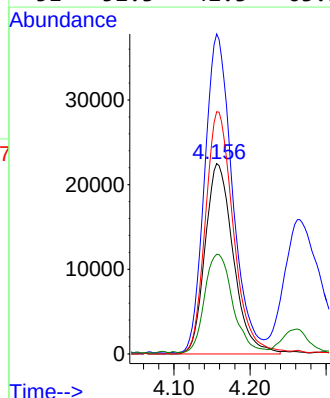
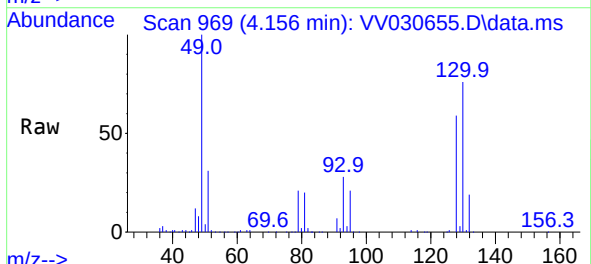
Instrument :
MSVOA_V
ClientSampleId :
VSTD050291

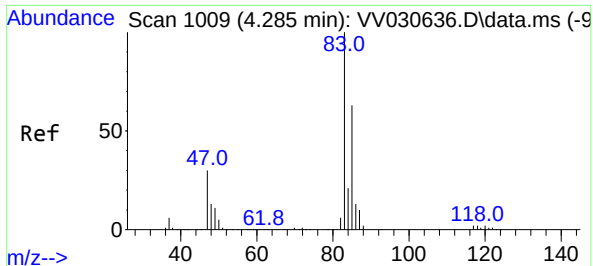
Tgt Ion: 43 Resp: 159698
Ion Ratio Lower Upper
43 100
72 22.8 11.5 34.4



#23
Bromochloromethane
Concen: 45.633 ug/L
RT: 4.156 min Scan# 969
Delta R.T. -0.000 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

Tgt Ion: 128 Resp: 57825
Ion Ratio Lower Upper
128 100
49 168.1 114.7 213.1
130 127.2 89.0 165.2
51 52.3 42.3 63.5

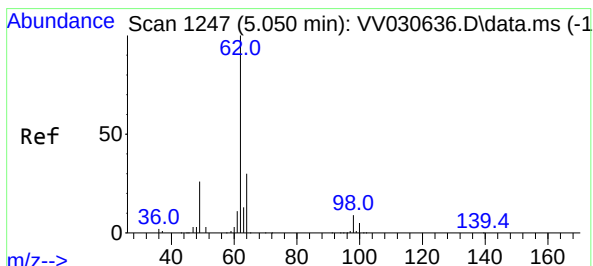
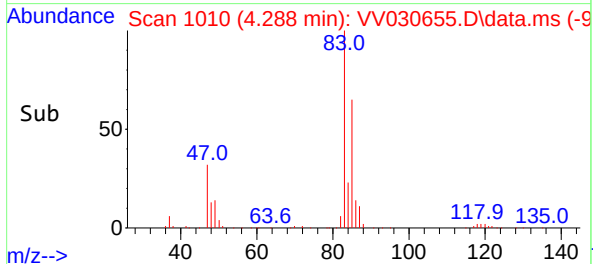
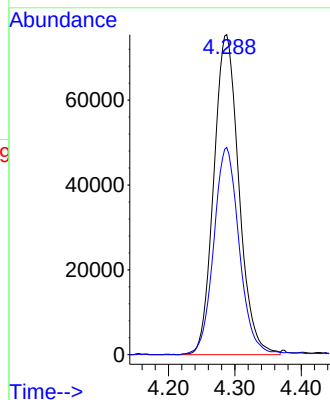
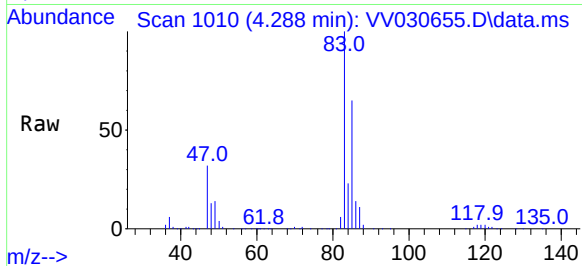




#25
Chloroform
Concen: 45.114 ug/L
RT: 4.288 min Scan# 1009
Delta R.T. 0.003 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

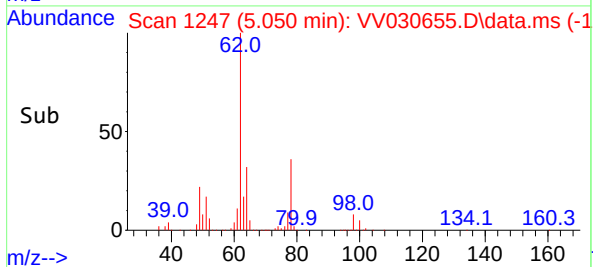
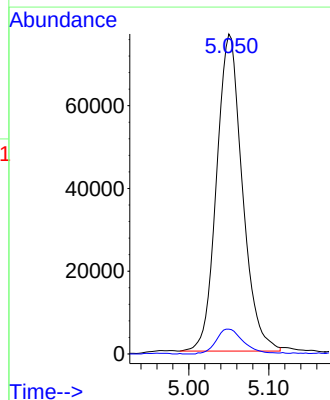
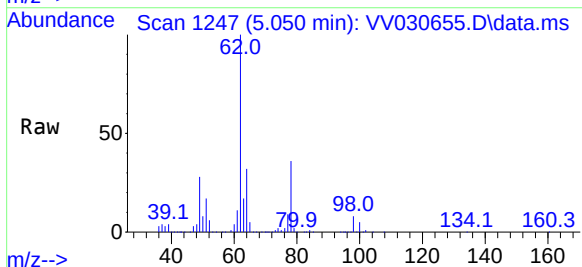
Instrument :
MSVOA_V
ClientSampleId :
VSTD050291

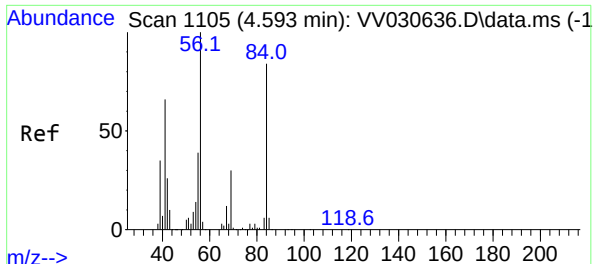
Tgt Ion: 83 Resp: 198562
Ion Ratio Lower Upper
83 100
85 64.7 45.8 85.2



#27
1,2-Dichloroethane
Concen: 46.072 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. 0.003 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

Tgt Ion: 62 Resp: 171653
Ion Ratio Lower Upper
62 100
98 7.7 6.4 9.6





#29

Cyclohexane

Concen: 48.789 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VV030655.D

Acq: 19 Apr 2023 07:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD050291

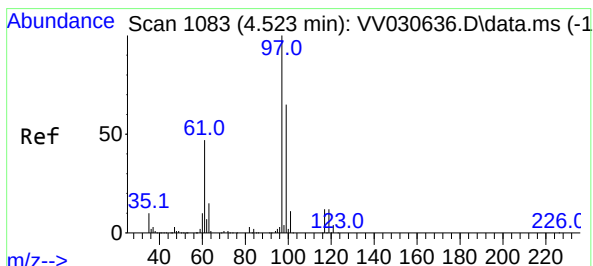
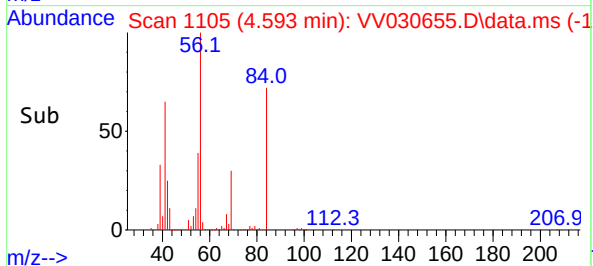
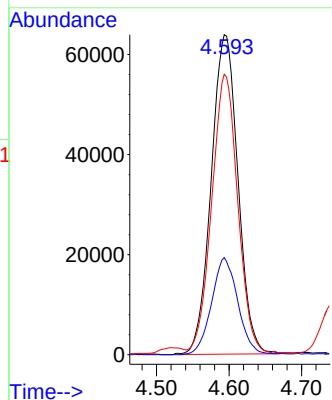
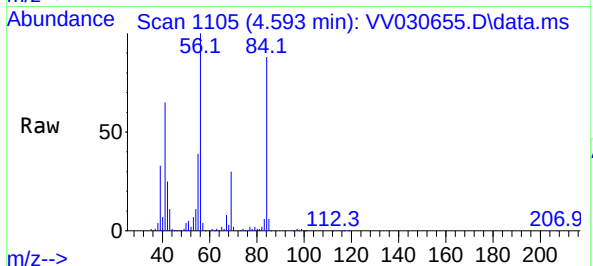
Tgt Ion: 56 Resp: 163555

Ion Ratio Lower Upper

56 100

69 29.8 24.0 36.0

84 85.1 68.2 102.2



#30

1,1,1-Trichloroethane

Concen: 46.208 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV030655.D

Acq: 19 Apr 2023 07:02

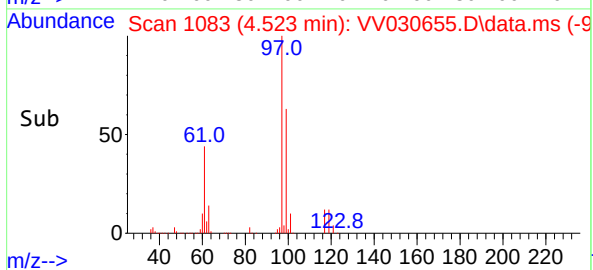
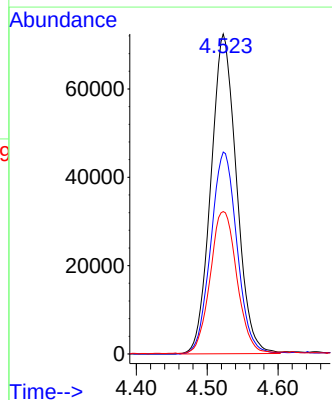
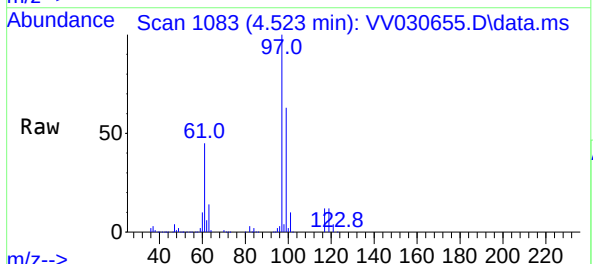
Tgt Ion: 97 Resp: 181376

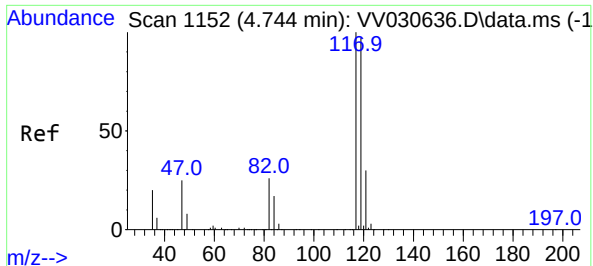
Ion Ratio Lower Upper

97 100

99 64.7 51.4 77.0

61 46.3 37.0 55.6

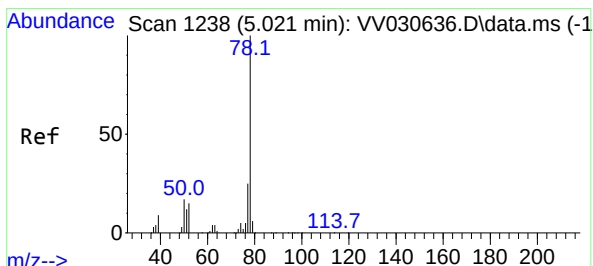
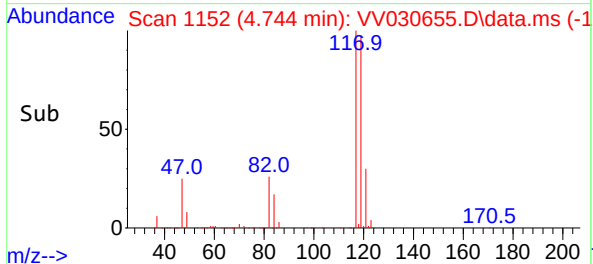
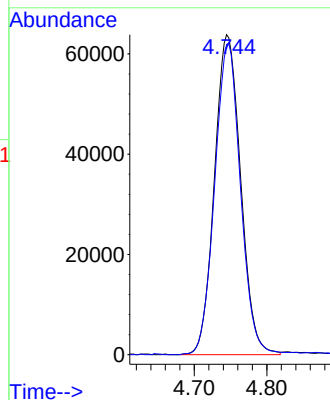
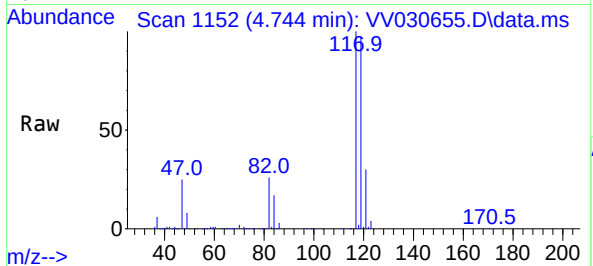




#31
Carbon tetrachloride
Concen: 45.600 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. -0.000 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

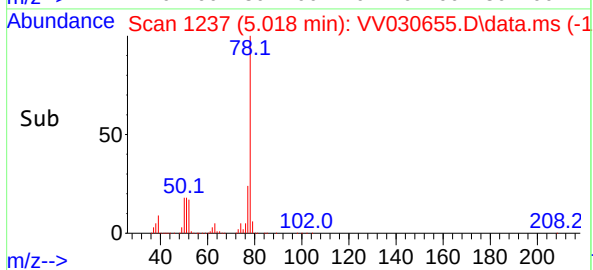
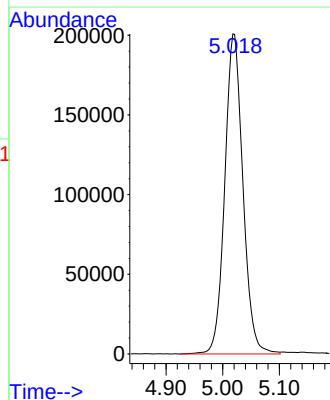
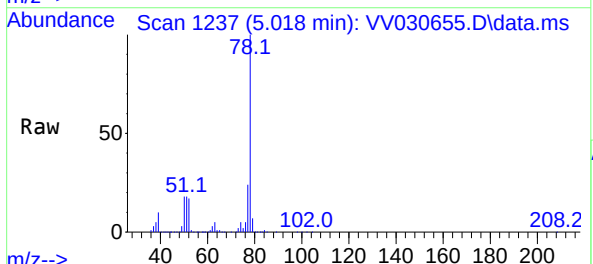
Instrument : MSVOA_V
ClientSampleId : VSTD050291

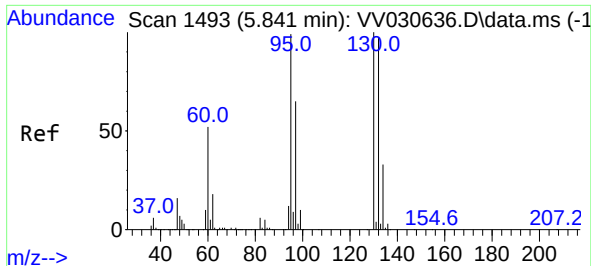
Tgt Ion:117 Resp: 160032
Ion Ratio Lower Upper
117 100
119 95.8 75.9 113.9



#33
Benzene
Concen: 52.604 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.000 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

Tgt Ion: 78 Resp: 446232



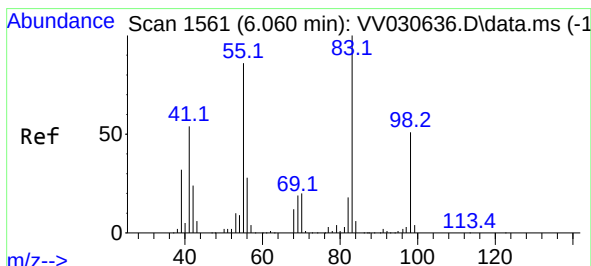
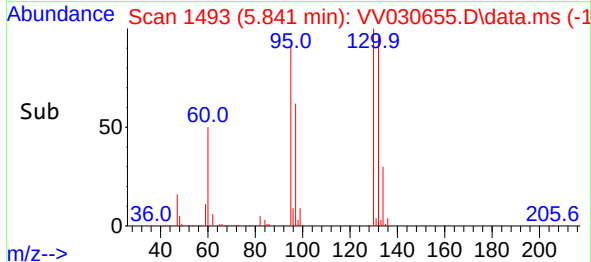
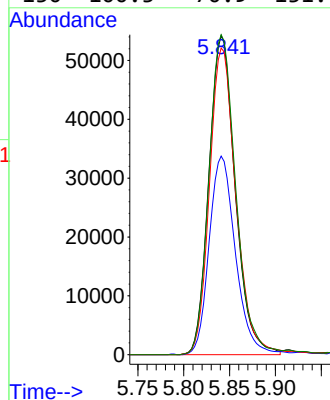
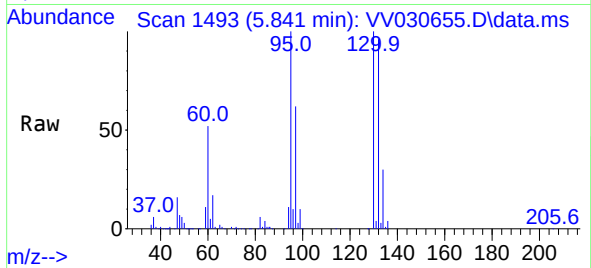


#34
 Trichloroethene
 Concen: 49.012 ug/L
 RT: 5.841 min Scan# 1493
 Delta R.T. -0.000 min
 Lab File: VV030655.D
 Acq: 19 Apr 2023 07:02

Instrument : MSVOA_V
 ClientSampleId : VSTD050291

Tgt Ion: 95 Resp: 108144

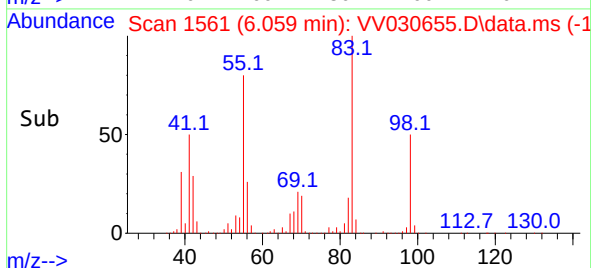
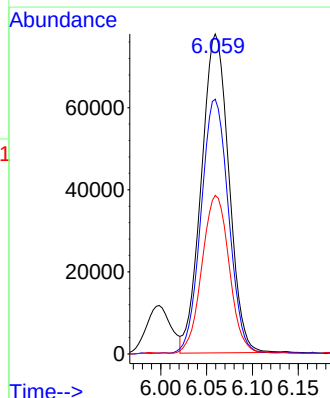
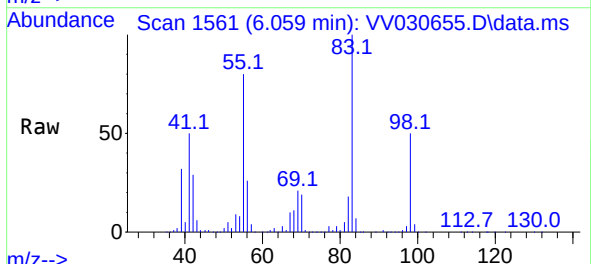
Ion	Ratio	Lower	Upper
95	100		
97	62.2	45.8	85.2
132	96.1	70.6	131.2
130	100.3	70.9	131.7

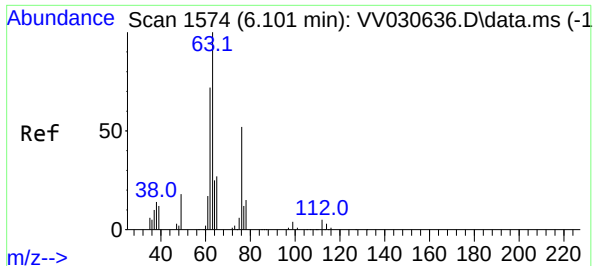


#35
 Methylcyclohexane
 Concen: 46.909 ug/L
 RT: 6.059 min Scan# 1561
 Delta R.T. -0.000 min
 Lab File: VV030655.D
 Acq: 19 Apr 2023 07:02

Tgt Ion: 83 Resp: 162181

Ion	Ratio	Lower	Upper
83	100		
55	79.8	65.5	98.3
98	49.9	38.7	58.1

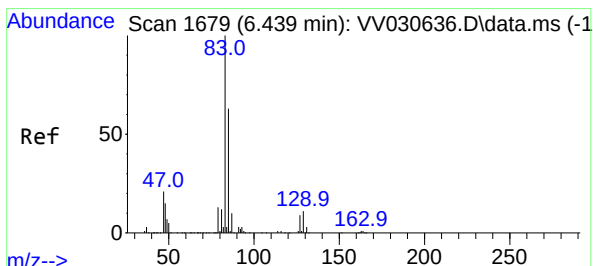
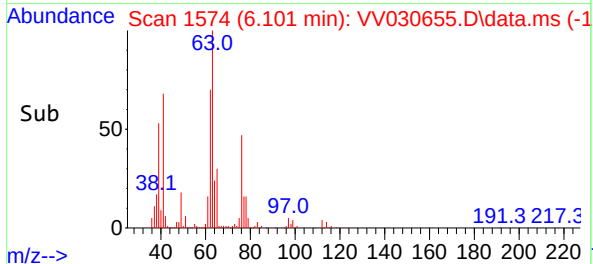
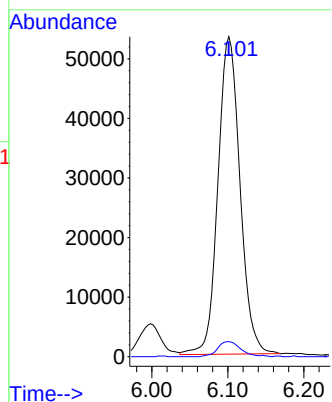
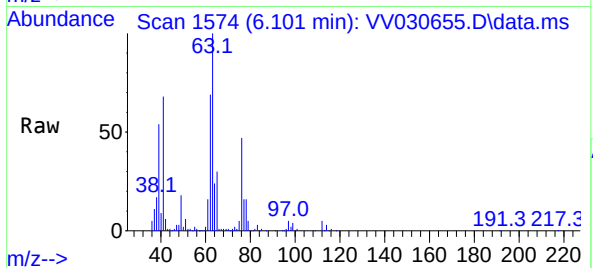




#37
1,2-Dichloropropane
Concen: 47.060 ug/L
RT: 6.101 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

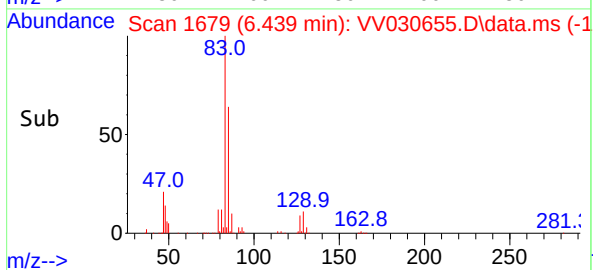
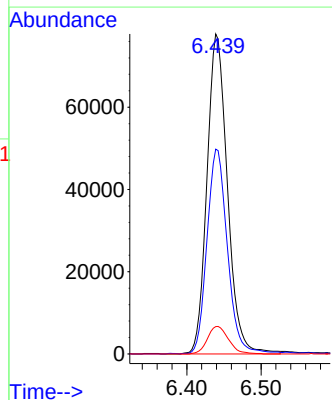
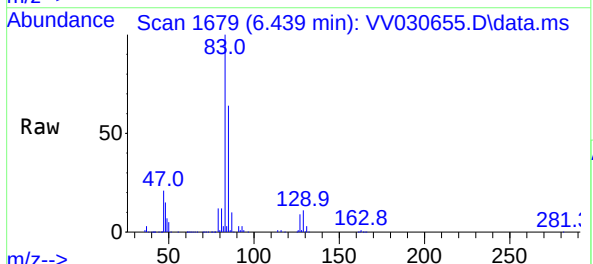
Instrument :
MSVOA_V
ClientSampleId :
VSTD050291

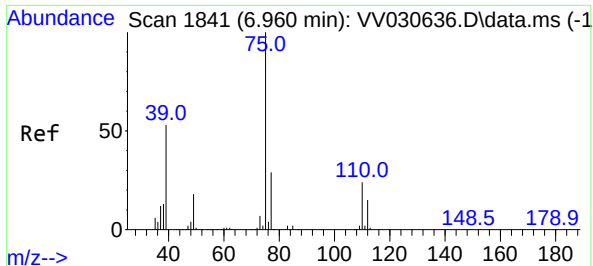
Tgt Ion: 63 Resp: 107448
Ion Ratio Lower Upper
63 100
112 4.9 3.8 5.8



#38
Bromodichloromethane
Concen: 46.400 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

Tgt Ion: 83 Resp: 148821
Ion Ratio Lower Upper
83 100
85 64.0 45.4 84.4
127 8.5 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 45.125 ug/L

RT: 6.960 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV030655.D

Acq: 19 Apr 2023 07:02

Instrument :

MSVOA_V

ClientSampleId :

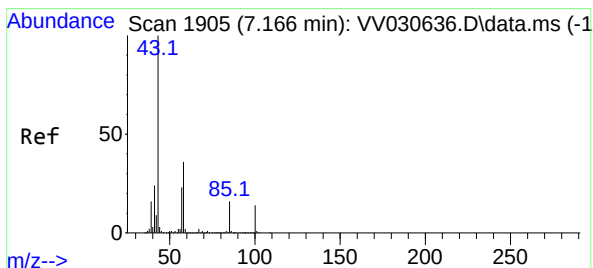
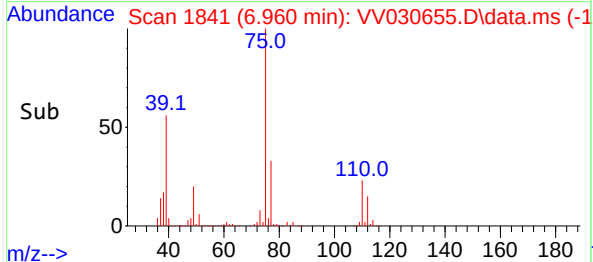
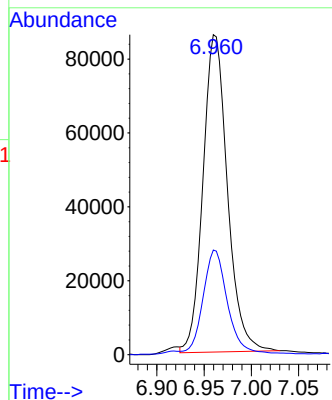
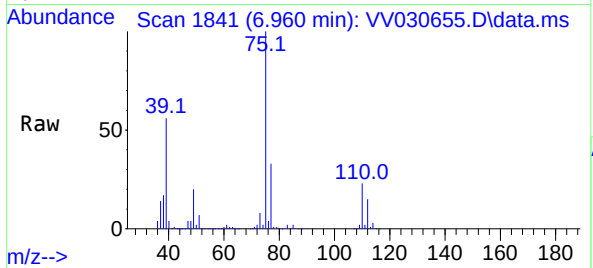
VSTD050291

Tgt Ion: 75 Resp: 154636

Ion Ratio Lower Upper

75 100

77 32.7 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 101.189 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VV030655.D

Acq: 19 Apr 2023 07:02

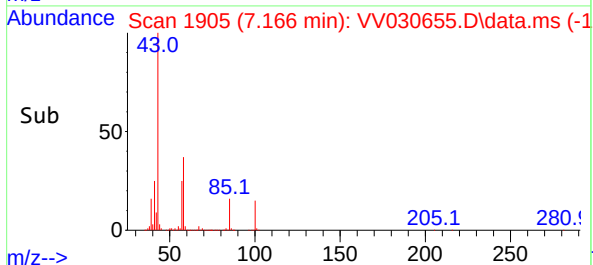
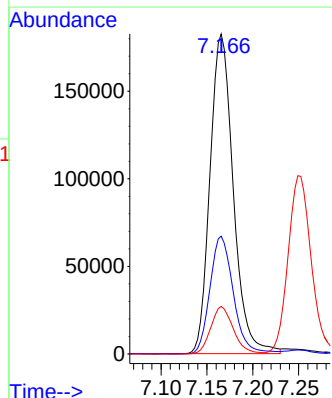
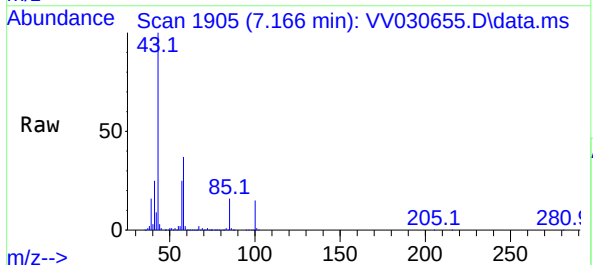
Tgt Ion: 43 Resp: 322732

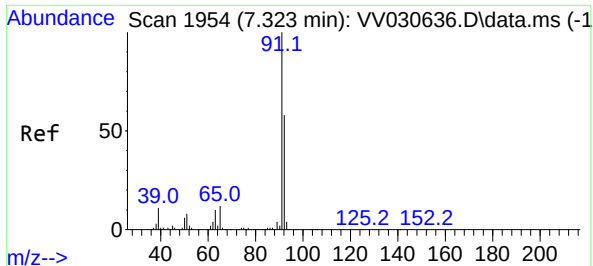
Ion Ratio Lower Upper

43 100

58 37.1 29.2 43.8

100 14.4 11.3 16.9

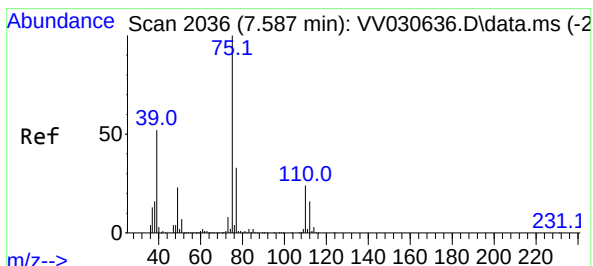
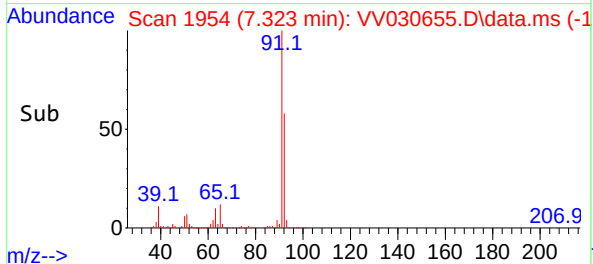
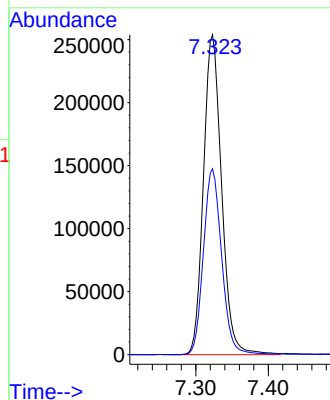
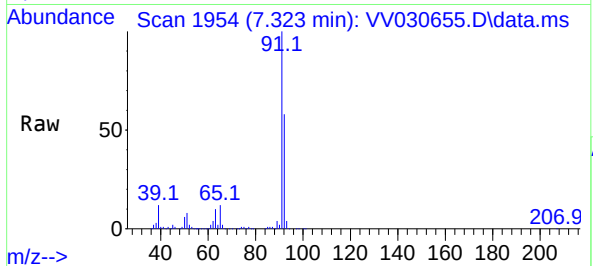




#42
Toluene
Concen: 48.603 ug/L
RT: 7.323 min Scan# 1954
Delta R.T. 0.003 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

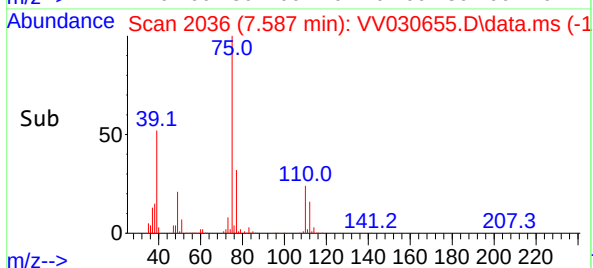
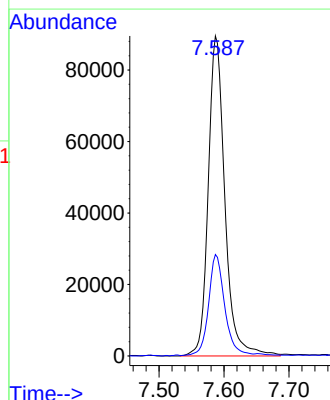
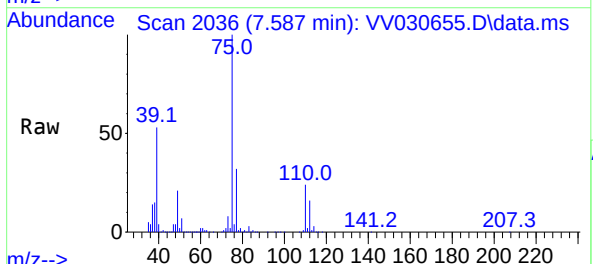
Instrument :
MSVOA_V
ClientSampleId :
VSTD050291

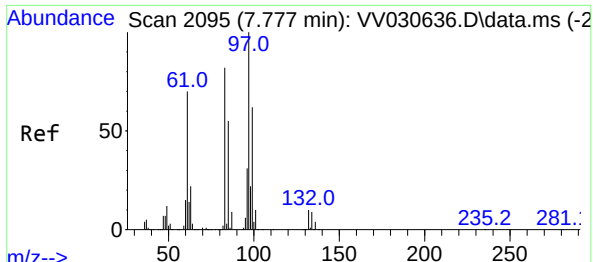
Tgt Ion: 91 Resp: 441602
Ion Ratio Lower Upper
91 100
92 58.1 39.8 73.8



#44
trans-1,3-Dichloropropene
Concen: 47.415 ug/L
RT: 7.587 min Scan# 2036
Delta R.T. -0.000 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

Tgt Ion: 75 Resp: 159634
Ion Ratio Lower Upper
75 100
77 31.7 22.1 41.1



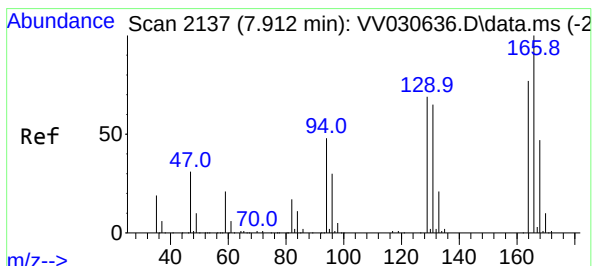
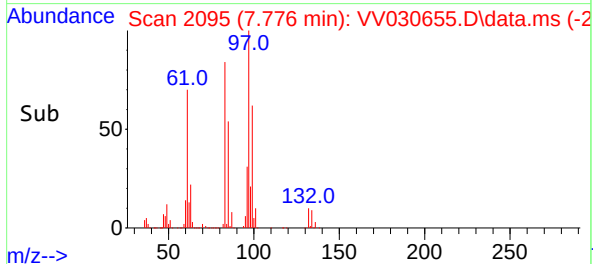
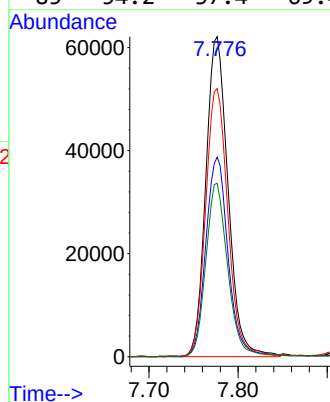
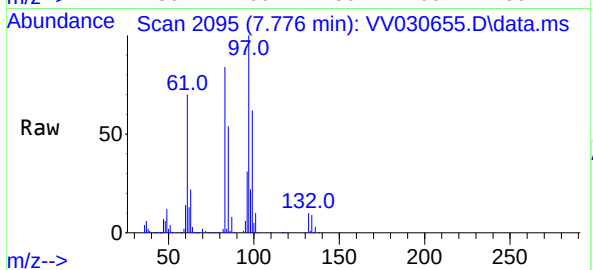


#45
1,1,2-Trichloroethane
Concen: 47.000 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. 0.003 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD050291

Tgt Ion: 97 Resp: 107605

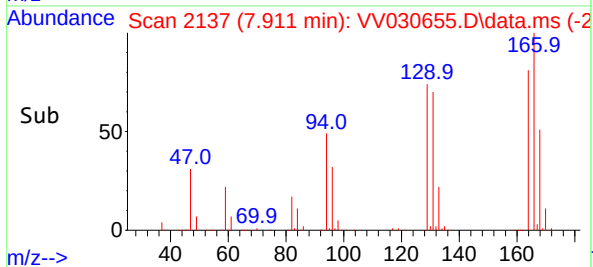
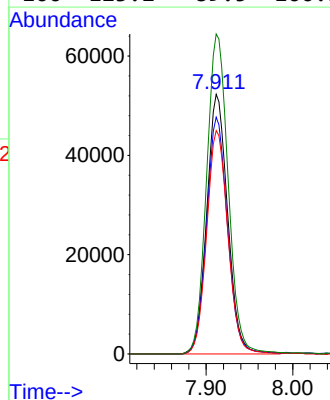
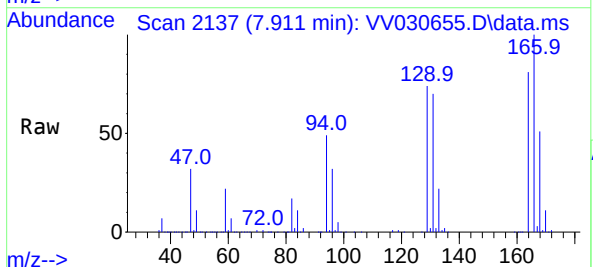
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.8	81.4
83	83.8	59.6	110.6
85	54.2	37.4	69.4

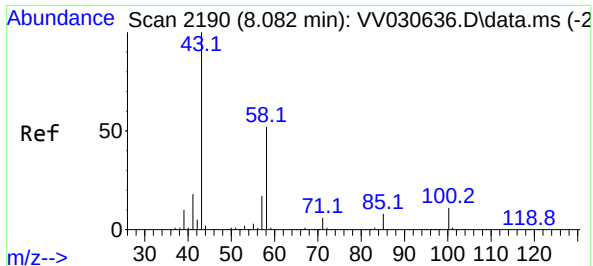


#46
Tetrachloroethene
Concen: 45.540 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

Tgt Ion: 164 Resp: 87954

Ion	Ratio	Lower	Upper
164	100		
129	91.2	63.8	118.6
131	86.0	60.3	111.9
166	123.2	89.5	166.1

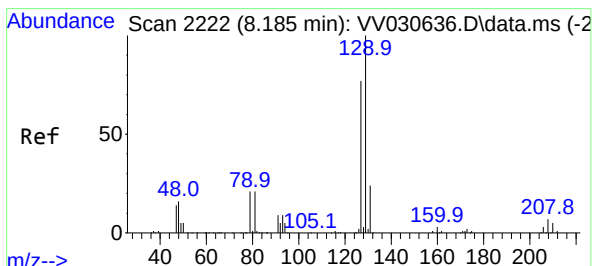
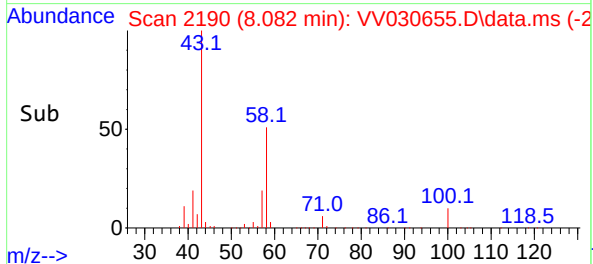
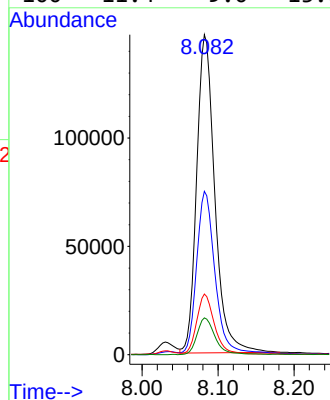
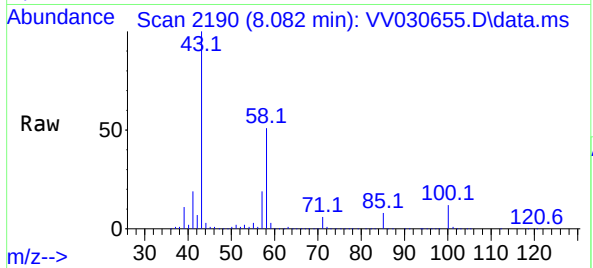




#48
2-Hexanone
Concen: 92.964 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.000 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

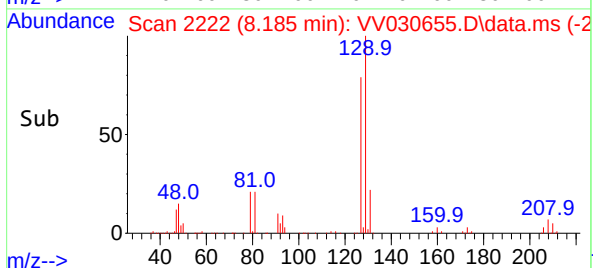
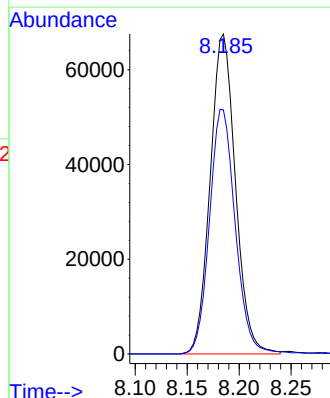
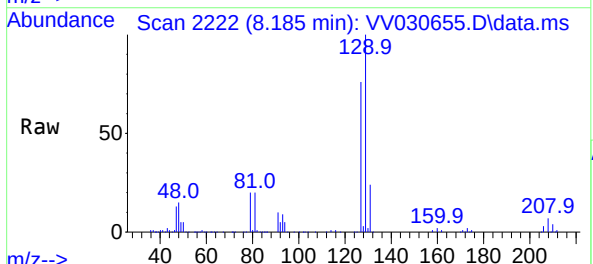
Instrument :
MSVOA_V
ClientSampleId :
VSTD050291

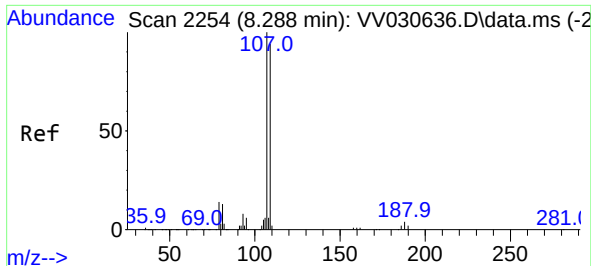
Tgt Ion: 43 Resp: 244646
Ion Ratio Lower Upper
43 100
58 50.9 41.4 62.0
57 18.4 14.9 22.3
100 11.4 9.0 13.6



#49
Dibromochloromethane
Concen: 45.329 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. -0.000 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

Tgt Ion: 129 Resp: 114471
Ion Ratio Lower Upper
129 100
127 76.3 52.8 98.2

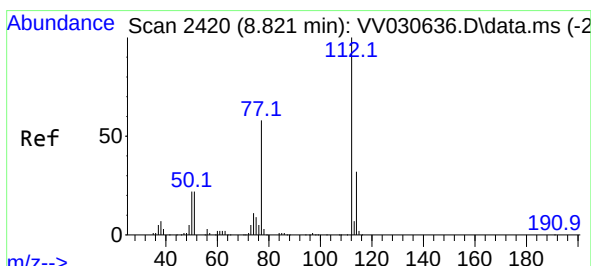
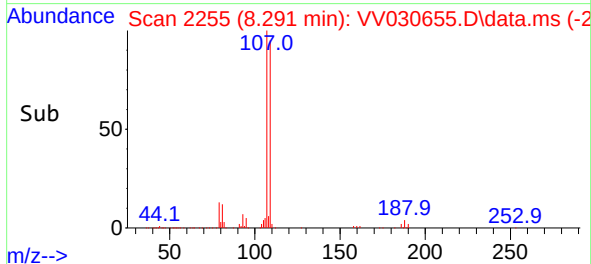
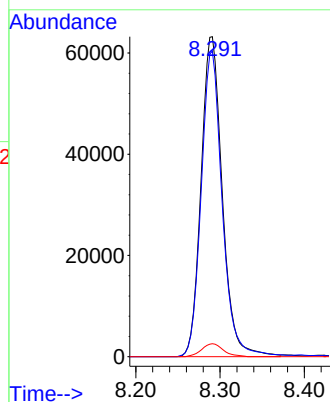
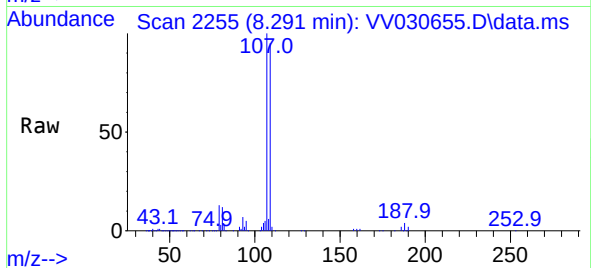




#50
1,2-Dibromoethane
Concen: 46.758 ug/L
RT: 8.291 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

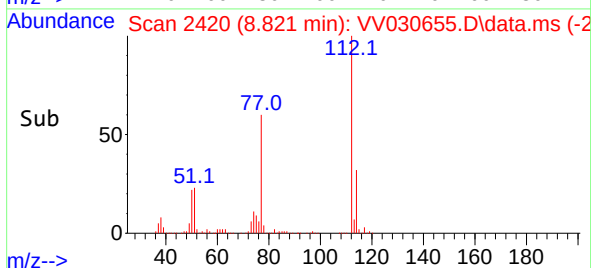
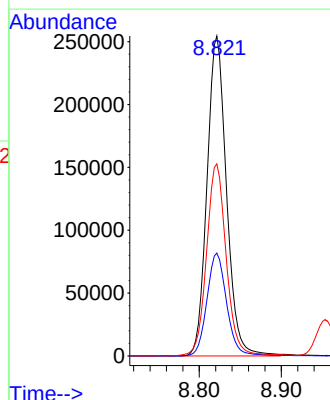
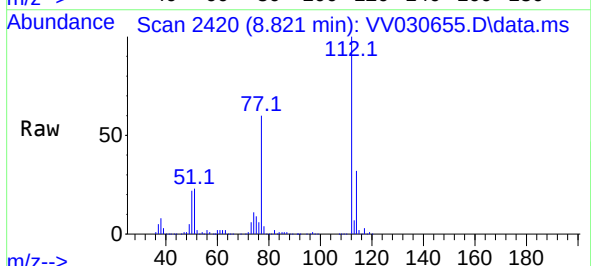
Instrument :
MSVOA_V
ClientSampleId :
VSTD050291

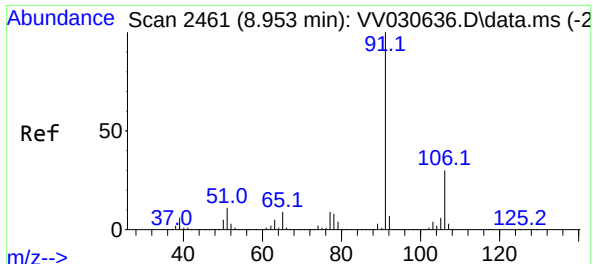
Tgt Ion:107 Resp: 110920
Ion Ratio Lower Upper
107 100
109 95.4 65.7 121.9
188 4.1 3.2 4.8



#51
Chlorobenzene
Concen: 69.805 ug/L
RT: 8.821 min Scan# 2420
Delta R.T. -0.000 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

Tgt Ion:112 Resp: 420050
Ion Ratio Lower Upper
112 100
114 32.1 22.4 41.6
77 60.0 47.4 71.0





#52

Ethylbenzene

Concen: 48.791 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. -0.000 min

Lab File: VV030655.D

Acq: 19 Apr 2023 07:02

Instrument :

MSVOA_V

ClientSampleId :

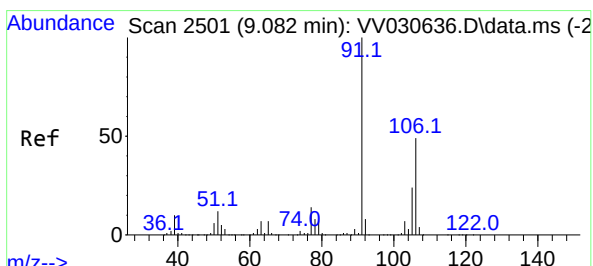
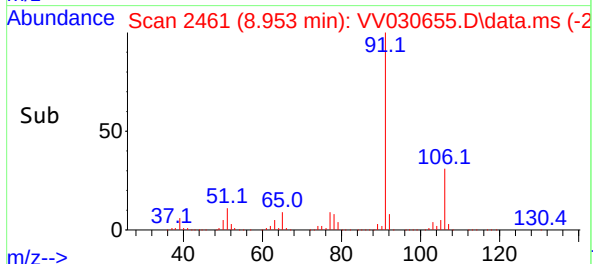
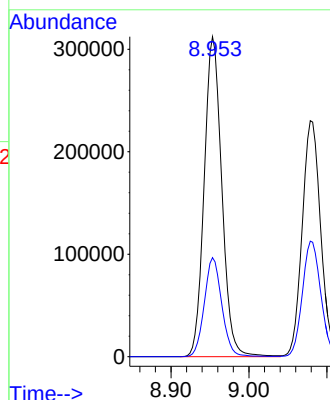
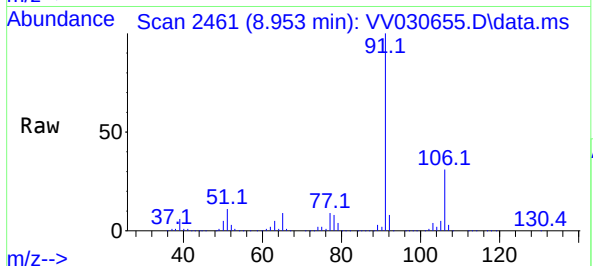
VSTD050291

Tgt Ion: 91 Resp: 490778

Ion Ratio Lower Upper

91 100

106 31.0 21.8 40.4



#53

m,p-Xylene

Concen: 49.067 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. -0.000 min

Lab File: VV030655.D

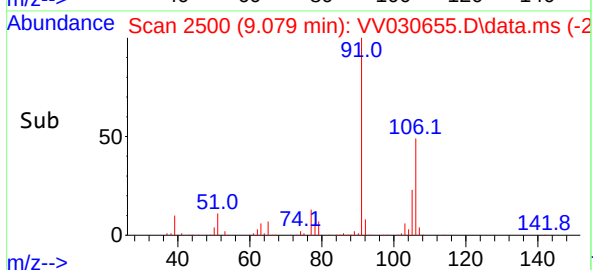
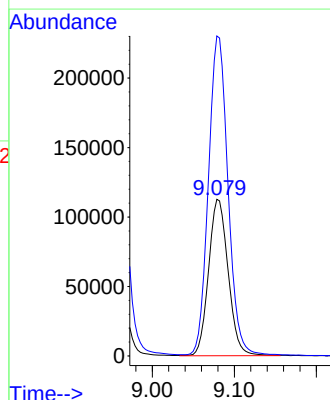
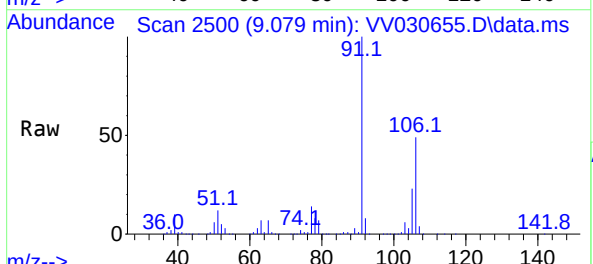
Acq: 19 Apr 2023 07:02

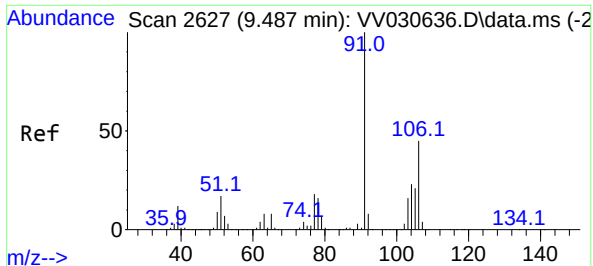
Tgt Ion: 106 Resp: 186428

Ion Ratio Lower Upper

106 100

91 204.3 144.7 268.7

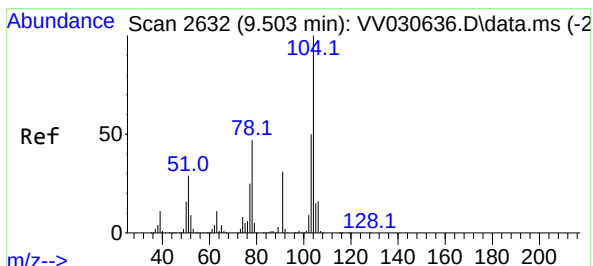
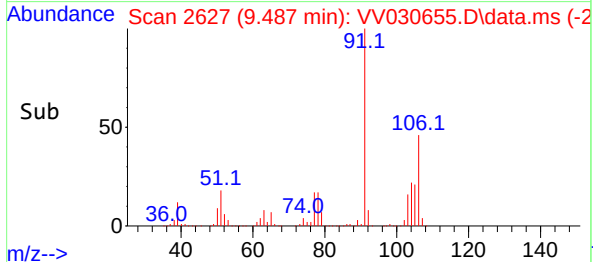
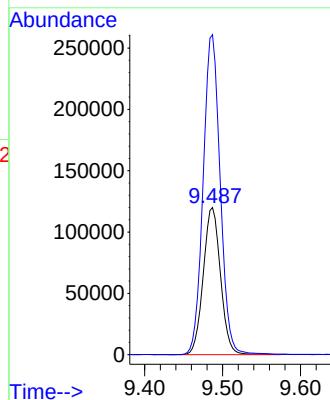
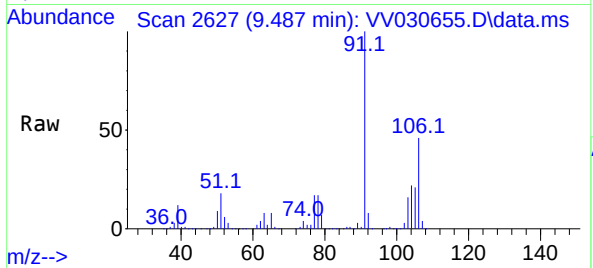




#54
o-Xylene
Concen: 49.713 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

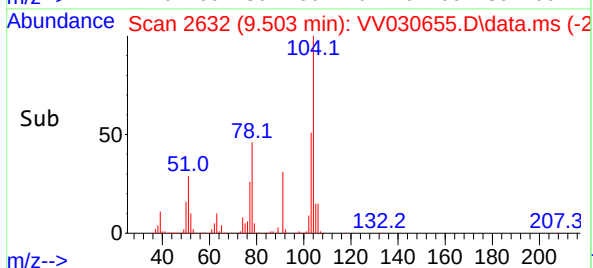
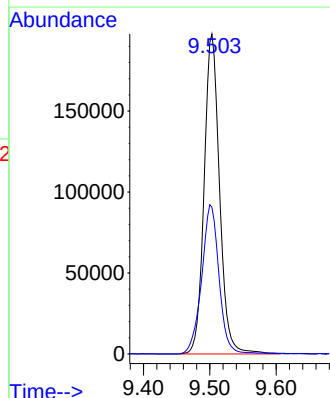
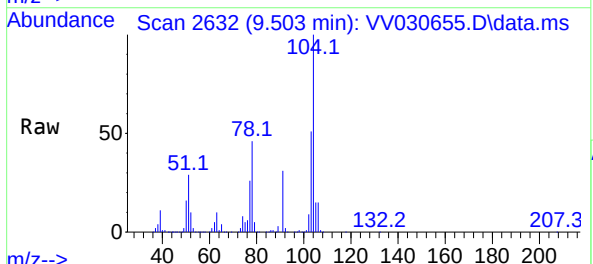
Instrument :
MSVOA_V
ClientSampleId :
VSTD050291

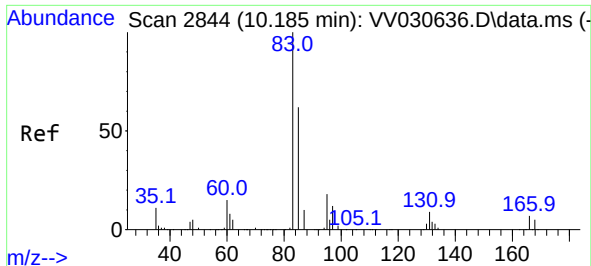
Tgt Ion:106 Resp: 184779
Ion Ratio Lower Upper
106 100
91 217.3 152.6 283.4



#55
Styrene
Concen: 49.034 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

Tgt Ion:104 Resp: 320146
Ion Ratio Lower Upper
104 100
78 45.9 32.3 59.9

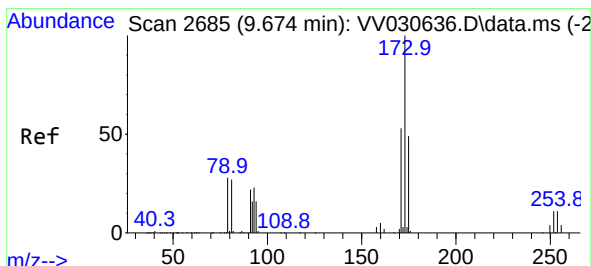
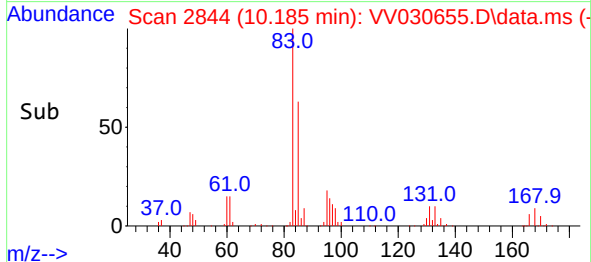
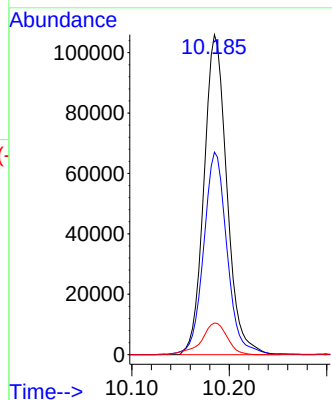
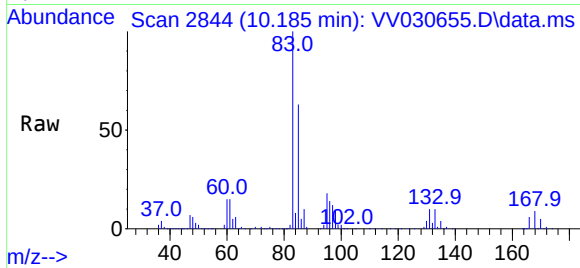




#57
1,1,2,2-Tetrachloroethane
Concen: 46.064 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

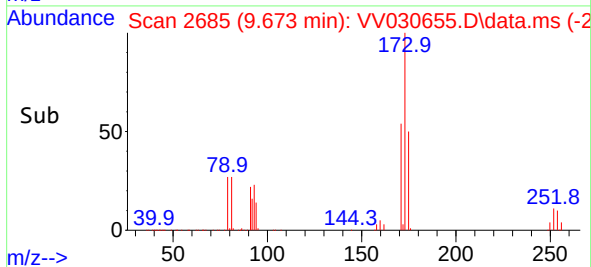
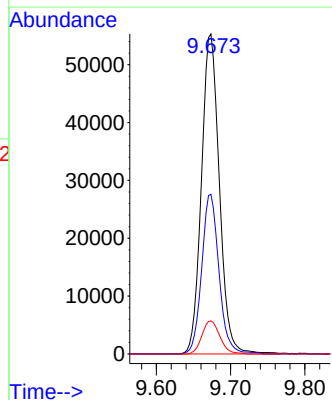
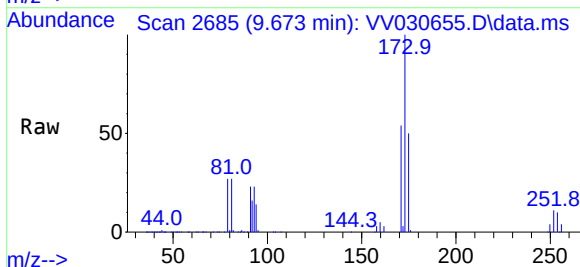
Instrument : MSVOA_V
ClientSampleId : VSTD050291

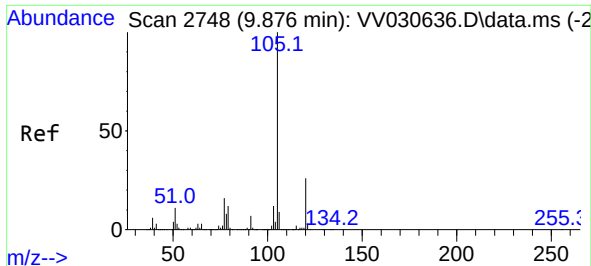
Tgt Ion: 83 Resp: 173153
Ion Ratio Lower Upper
83 100
85 63.3 45.1 83.7
131 9.9 8.0 12.0



#59
Bromoform
Concen: 48.411 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. -0.000 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

Tgt Ion: 173 Resp: 92974
Ion Ratio Lower Upper
173 100
175 48.1 38.8 58.2
254 10.3 8.2 12.4



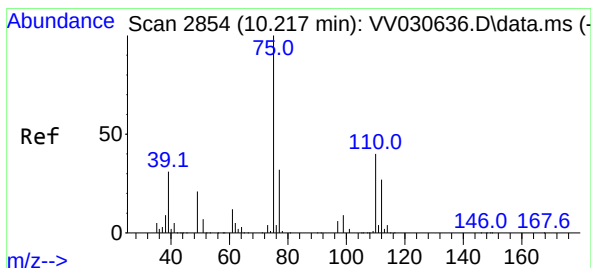
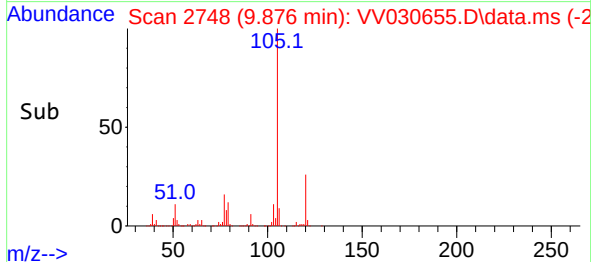
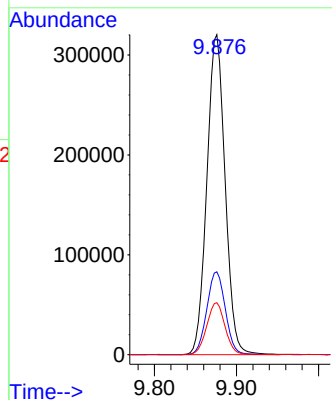
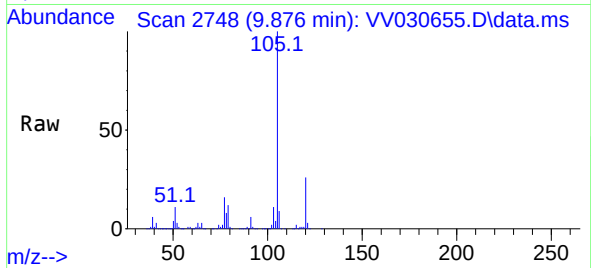


#60
Isopropylbenzene
Concen: 51.747 ug/L
RT: 9.876 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD050291

Tgt Ion:105 Resp: 495049

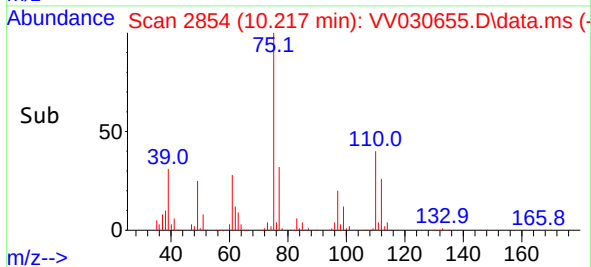
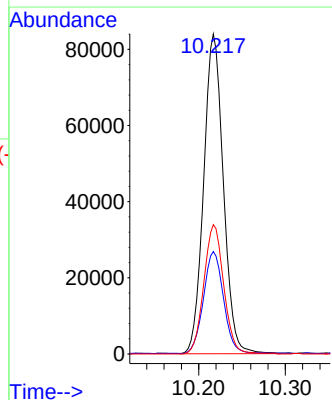
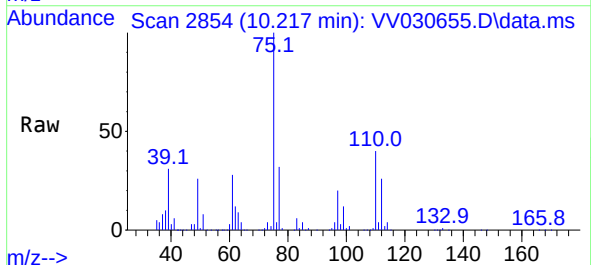
Ion	Ratio	Lower	Upper
105	100		
120	26.3	20.9	31.3
77	16.2	13.0	19.6

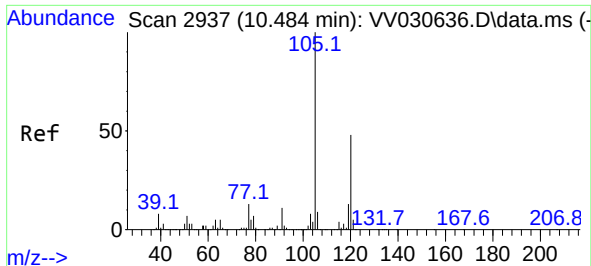


#61
1,2,3-Trichloropropane
Concen: 48.263 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.000 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

Tgt Ion: 75 Resp: 132598

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.7	38.5
110	40.8	32.8	49.2

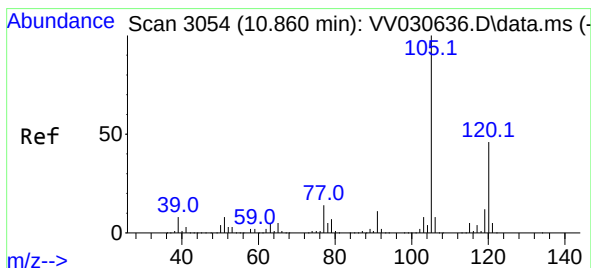
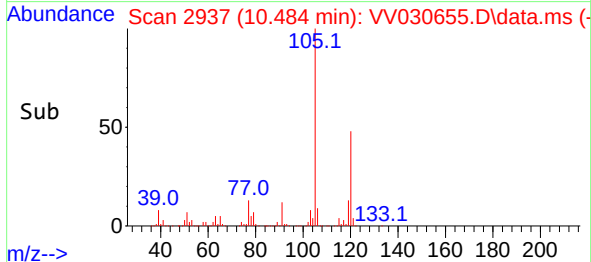
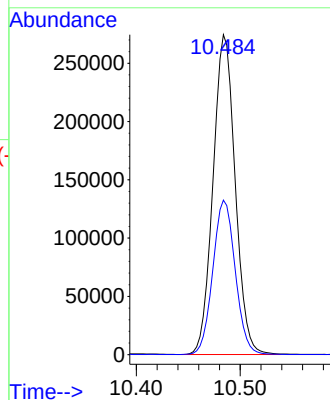
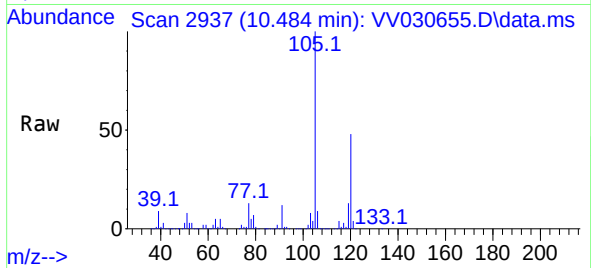




#62
 1,3,5-Trimethylbenzene
 Concen: 51.622 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. -0.000 min
 Lab File: VV030655.D
 Acq: 19 Apr 2023 07:02

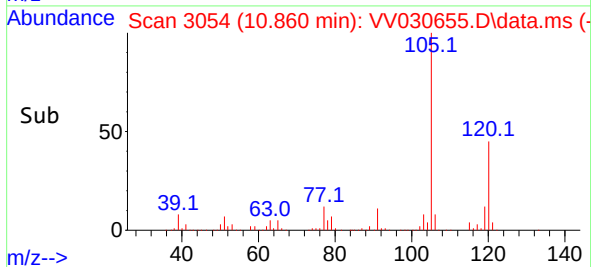
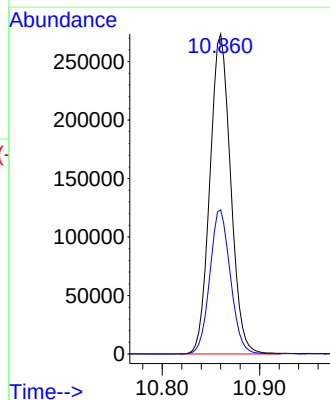
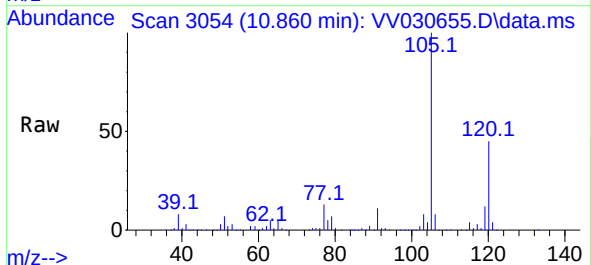
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050291

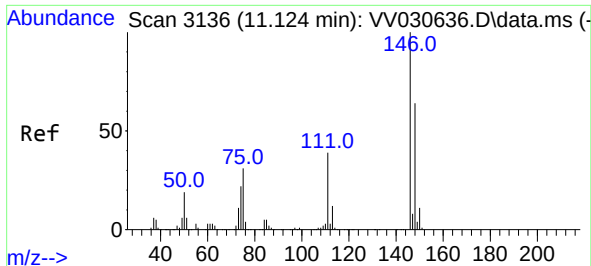
Tgt Ion:105 Resp: 406608
 Ion Ratio Lower Upper
 105 100
 120 48.9 39.2 58.8



#63
 1,2,4-Trimethylbenzene
 Concen: 51.439 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. -0.000 min
 Lab File: VV030655.D
 Acq: 19 Apr 2023 07:02

Tgt Ion:105 Resp: 404537
 Ion Ratio Lower Upper
 105 100
 120 44.7 36.2 54.4

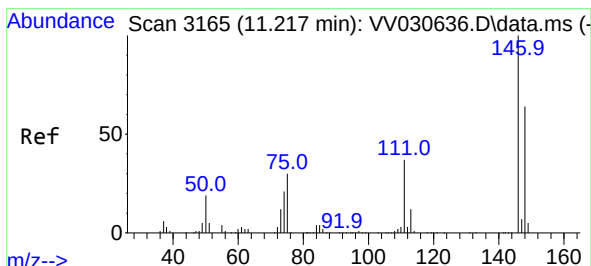
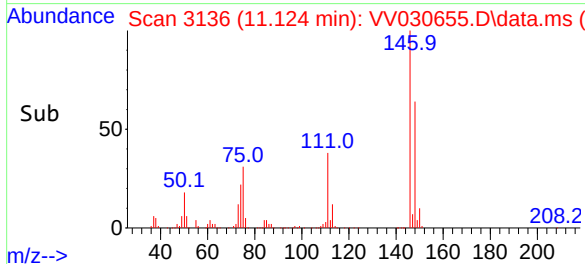
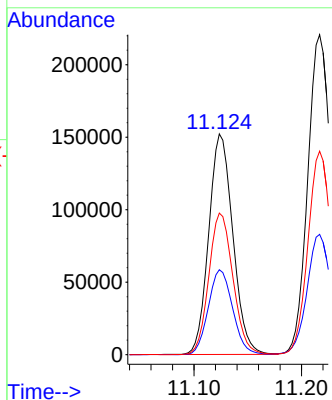
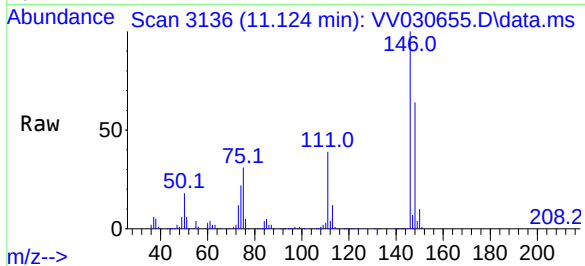




#64
1,3-Dichlorobenzene
Concen: 49.605 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. -0.000 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

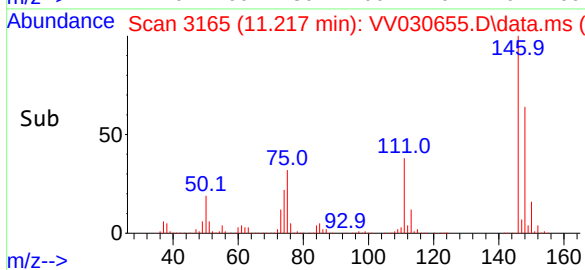
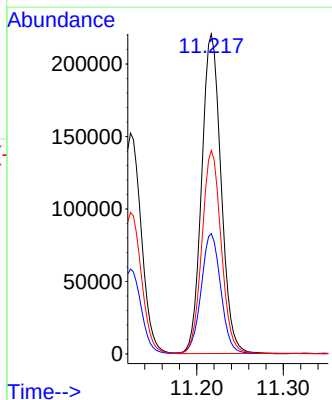
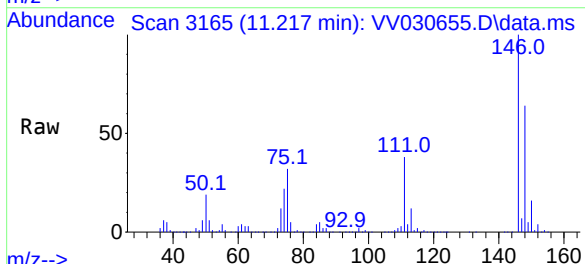
Instrument :
MSVOA_V
ClientSampleId :
VSTD050291

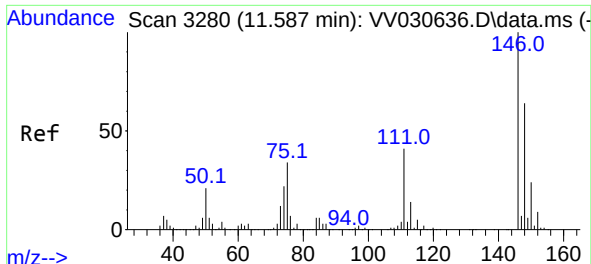
Tgt Ion:146 Resp: 237587
Ion Ratio Lower Upper
146 100
111 38.5 27.0 50.2
148 64.1 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 67.719 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

Tgt Ion:146 Resp: 342020
Ion Ratio Lower Upper
146 100
111 37.6 26.5 49.1
148 63.6 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 63.987 ug/L

RT: 11.587 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030655.D

Acq: 19 Apr 2023 07:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD050291

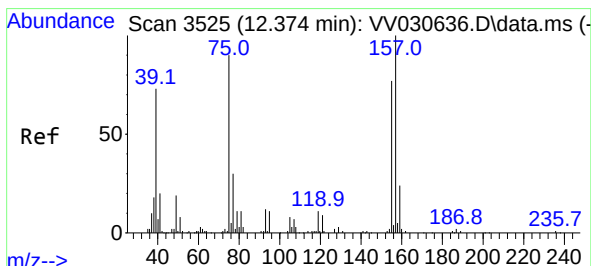
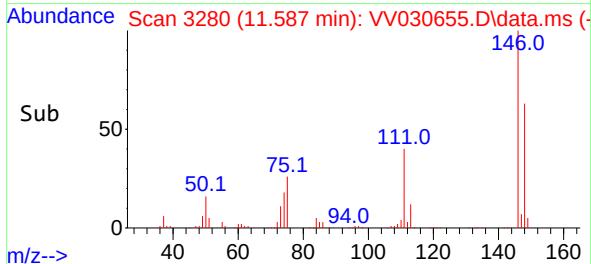
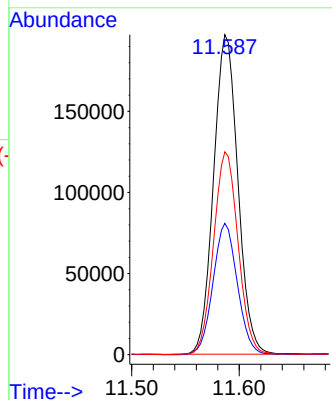
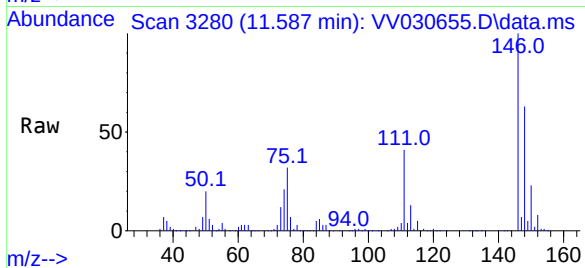
Tgt Ion:146 Resp: 309178

Ion Ratio Lower Upper

146 100

111 41.1 32.0 48.0

148 63.4 50.6 76.0



#68

1,2-Dibromo-3-chloropropane

Concen: 47.253 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. -0.000 min

Lab File: VV030655.D

Acq: 19 Apr 2023 07:02

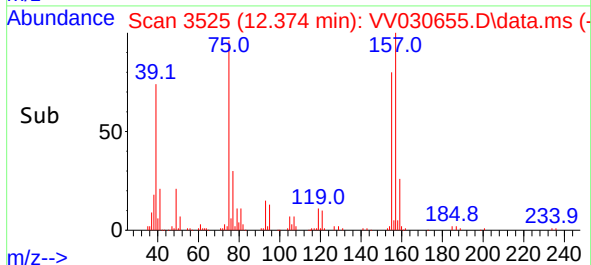
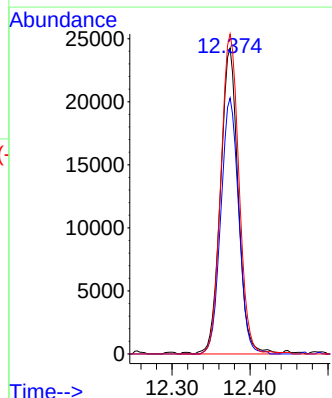
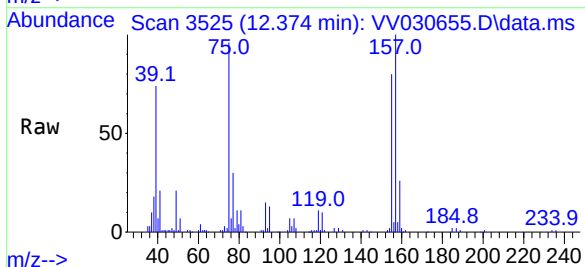
Tgt Ion: 75 Resp: 38463

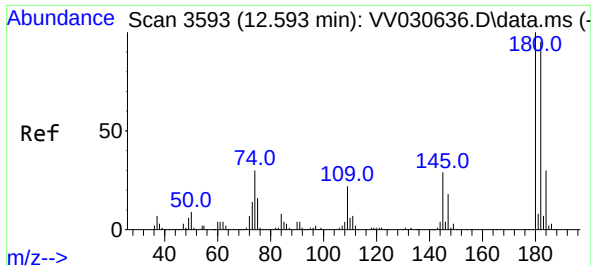
Ion Ratio Lower Upper

75 100

155 83.7 65.0 97.6

157 104.6 84.4 126.6



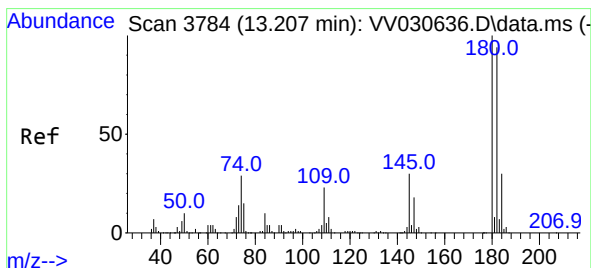
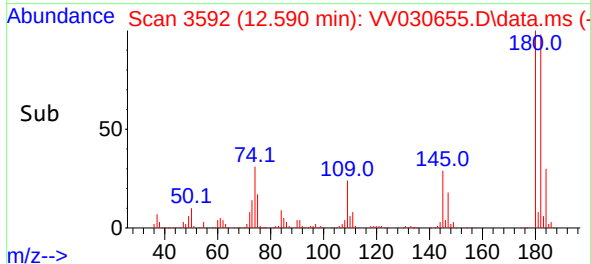
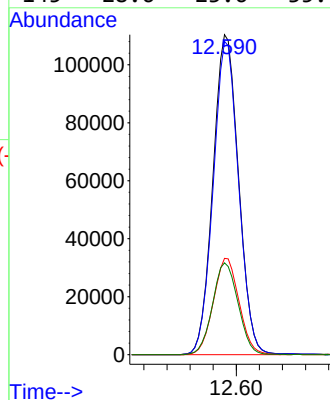
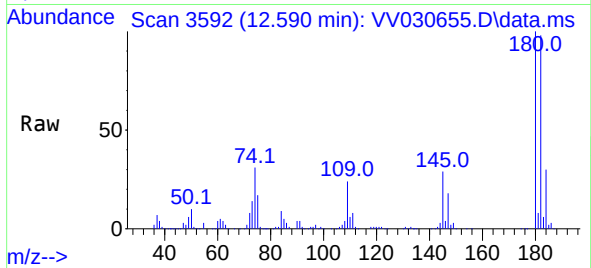


#69
1,3,5-Trichlorobenzene
Concen: 46.889 ug/L
RT: 12.590 min Scan# 3593
Delta R.T. -0.003 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD050291

Tgt Ion:180 Resp: 169647

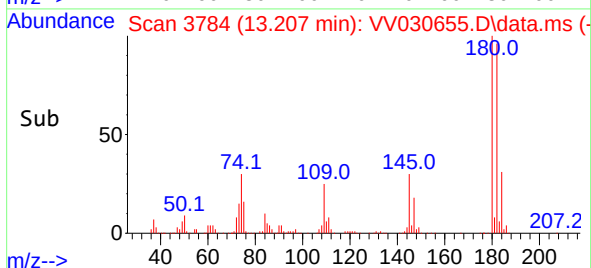
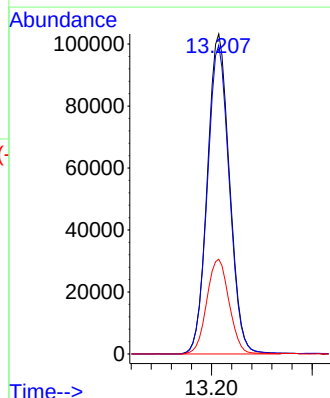
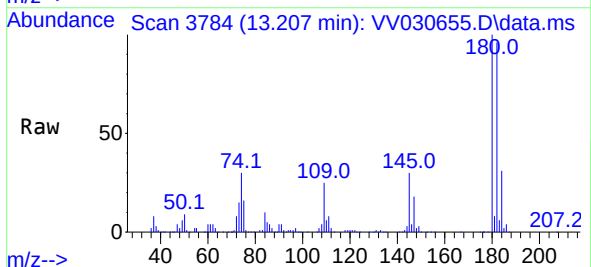
Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.4	114.6
184	30.3	24.1	36.1
145	28.6	23.6	35.4

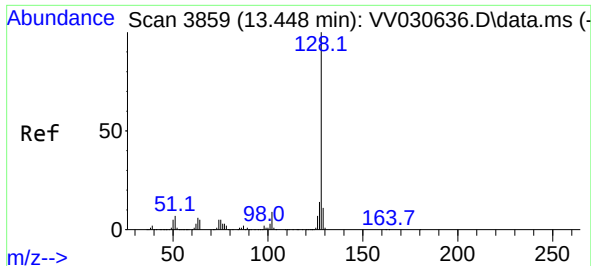


#70
1,2,4-trichlorobenzene
Concen: 51.414 ug/L
RT: 13.207 min Scan# 3784
Delta R.T. -0.000 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

Tgt Ion:180 Resp: 157942

Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.9	113.9
145	29.8	23.4	35.2

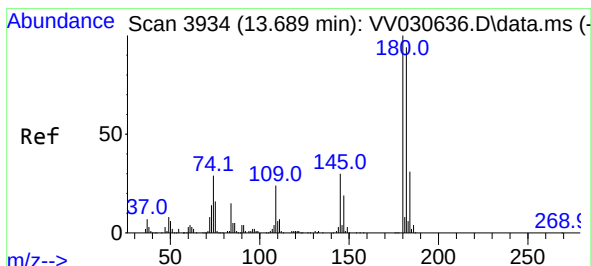
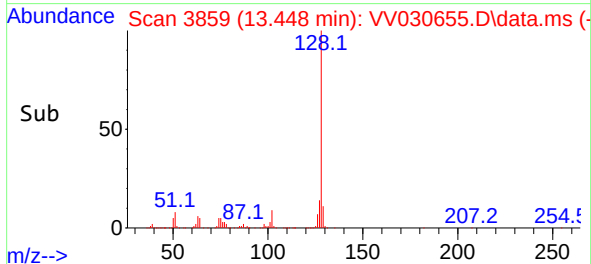
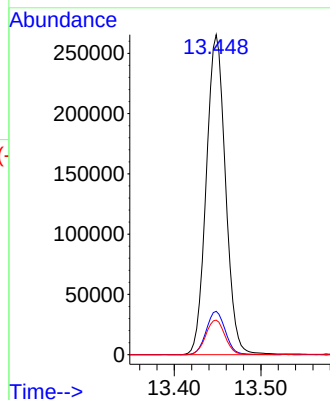
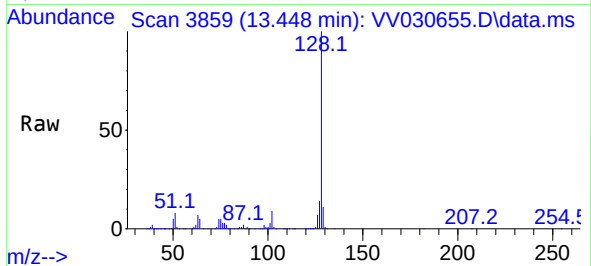




#71
Naphthalene
Concen: 48.771 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. -0.000 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD050291

Tgt Ion:	128	Resp:	409842
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.9	8.6	13.0



#72
1,2,3-Trichlorobenzene
Concen: 49.793 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. -0.000 min
Lab File: VV030655.D
Acq: 19 Apr 2023 07:02

Tgt Ion:	180	Resp:	151677
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.2	114.4
145	31.4	25.1	37.7

