

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW013123\
 Data File : VW030012.D
 Acq On : 31 Jan 2023 16:17
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005399

Quant Time: Feb 01 00:15:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 01 00:13:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.606	114	232277	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.841	117	220312	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	119714	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	83311	4.729	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.600%
7) Chloroethane-d5	1.564	69	75968	5.202	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.000%
11) 1,1-Dichloroethene-d2	2.105	63	156527	4.874	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.400%
20) 2-Butanone-d5	3.883	46	158870	50.877	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.760%
24) Chloroform-d	4.333	84	153470	4.749	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.000%
26) 1,2-Dichloroethane-d4	5.021	65	63266	4.622	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
32) Benzene-d6	5.037	84	312879	4.788	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.800%
36) 1,2-Dichloropropane-d6	6.056	67	94945	4.964	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.200%
41) Toluene-d8	7.304	98	278187	4.598	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.000%
43) trans-1,3-Dichloroprop...	7.609	79	31321	4.484	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.600%
46) 2-Hexanone-d5	8.082	63	141495	49.756	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.520%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	66617	4.753	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.000%
66) 1,2-Dichlorobenzene-d4	11.609	152	98059	4.505	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	91501	4.233	ug/L	99
3) Chloromethane	1.236	50	124993	5.494	ug/L	99
5) Vinyl chloride	1.307	62	117191	5.253	ug/L	100
6) Bromomethane	1.516	94	34143	3.143	ug/L	97
8) Chloroethane	1.580	64	74245	5.485	ug/L	100
9) Trichlorofluoromethane	1.748	101	134898	4.616	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	85671	4.976	ug/L	95
12) 1,1-Dichloroethene	2.114	96	81287	4.098	ug/L	91
13) Acetone	2.179	43	121606	54.562	ug/L	97
14) Carbon disulfide	2.288	76	242417	4.245	ug/L	100
15) Methyl Acetate	2.429	43	25982	4.476	ug/L	95
16) Methylene chloride	2.497	84	100544	4.081	ug/L	90
17) Methyl tert-butyl Ether	2.760	73	163949	4.781	ug/L	97
18) trans-1,2-Dichloroethene	2.751	96	84645	4.591	ug/L	93
19) 1,1-Dichloroethane	3.178	63	164605	5.337	ug/L	96
21) 2-Butanone	3.966	43	172199	53.932	ug/L	97
22) cis-1,2-Dichloroethene	3.899	96	90952	4.630	ug/L	93
23) Bromochloromethane	4.233	128	38671	4.767	ug/L #	81
25) Chloroform	4.362	83	156666	4.673	ug/L	98

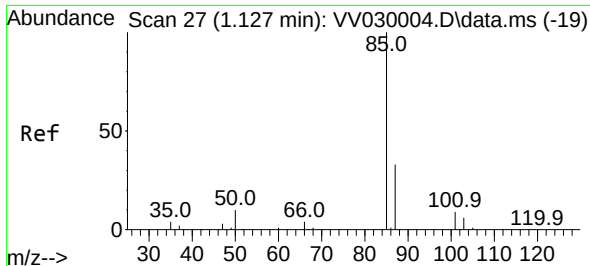
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW013123\
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 01 00:13:14 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.117	62	84202	5.169	ug/L	99
29) 1,1,1-Trichloroethane	4.596	97	133217	4.657	ug/L	97
30) Cyclohexane	4.664	56	133134	4.916	ug/L	97
31) Carbon tetrachloride	4.815	117	108344	4.353	ug/L	97
33) Benzene	5.088	78	365894	5.023	ug/L	100
34) Trichloroethene	5.902	95	86758	4.700	ug/L	96
35) Methylcyclohexane	6.120	83	143906	4.618	ug/L	95
37) 1,2-Dichloropropane	6.162	63	91818	5.383	ug/L	99
38) Bromodichloromethane	6.497	83	108281	4.908	ug/L	96
39) cis-1,3-Dichloropropene	7.018	75	118442	5.178	ug/L	100
40) 4-Methyl-2-pentanone	7.220	43	416409	57.202	ug/L	95
42) Toluene	7.378	91	384475	4.894	ug/L	99
44) trans-1,3-Dichloropropene	7.638	75	97380	5.283	ug/L	98
45) 1,1,2-Trichloroethane	7.828	97	58792	4.784	ug/L	97
47) Tetrachloroethene	7.963	164	70678	4.548	ug/L	96
48) 2-Hexanone	8.133	43	305697	58.752	ug/L	95
49) Dibromochloromethane	8.233	129	67455	4.677	ug/L	100
50) 1,2-Dibromoethane	8.342	107	51534	4.830	ug/L	99
51) Chlorobenzene	8.870	112	239442	4.800	ug/L	99
52) Ethylbenzene	9.001	91	391604	4.763	ug/L	99
53) m,p-Xylene	9.127	106	152713	4.692	ug/L	99
54) o-Xylene	9.532	106	147109	4.763	ug/L	97
55) Styrene	9.548	104	262567	4.943	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.226	83	69908	5.121	ug/L	98
59) Bromoform	9.718	173	35947	4.636	ug/L	99
60) Isopropylbenzene	9.921	105	388563	5.078	ug/L	99
61) 1,2,3-Trichloropropane	10.262	75	45988	5.188	ug/L	98
62) 1,3,5-Trimethylbenzene	10.525	105	307182	4.684	ug/L	99
63) 1,2,4-Trimethylbenzene	10.902	105	313091	4.788	ug/L	99
64) 1,3-Dichlorobenzene	11.169	146	188888	4.861	ug/L	99
65) 1,4-Dichlorobenzene	11.259	146	189846	4.901	ug/L	97
67) 1,2-Dichlorobenzene	11.628	146	172450	4.937	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.413	75	9670	4.613	ug/L	93
69) 1,3,5-Trichlorobenzene	12.631	180	151280	4.837	ug/L	99
70) 1,2,4-trichlorobenzene	13.246	180	121369	4.966	ug/L	99
71) Naphthalene	13.487	128	161348	5.096	ug/L	99
72) 1,2,3-Trichlorobenzene	13.728	180	104004	5.127	ug/L	99

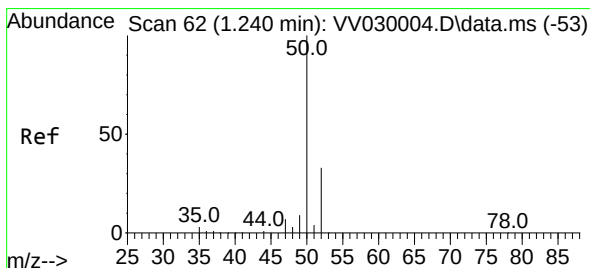
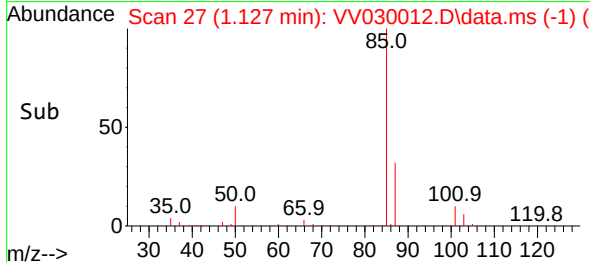
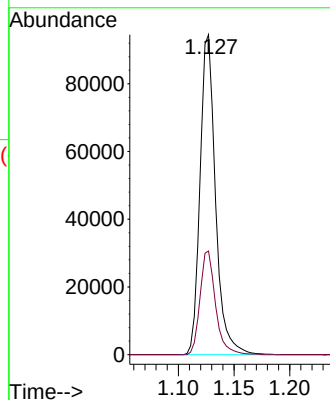
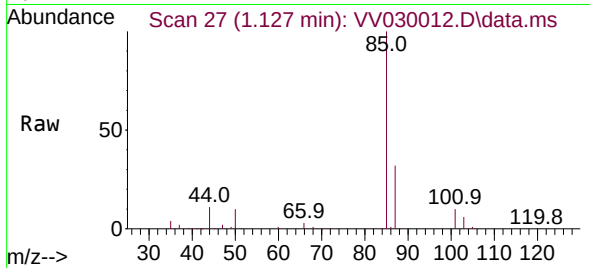
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 4.233 ug/L
RT: 1.127 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

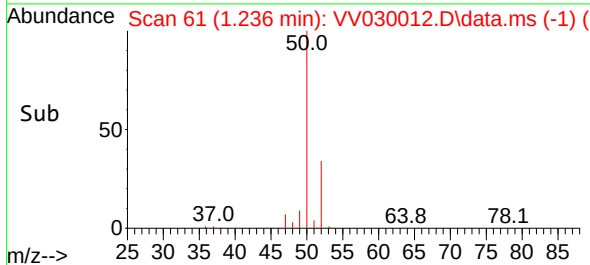
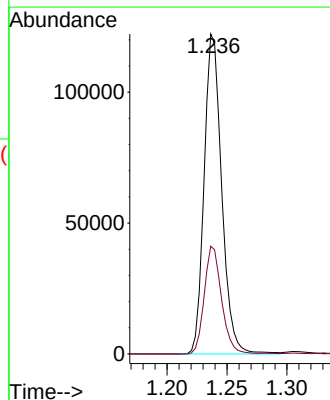
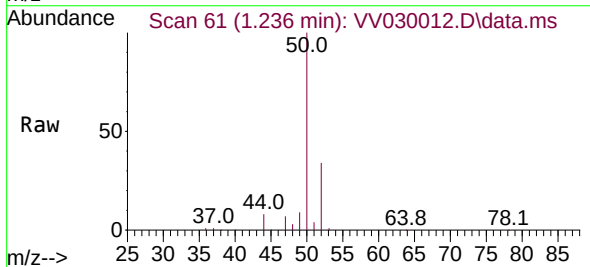
Instrument :
MSVOA_V
ClientSampleId :
VSTD005399

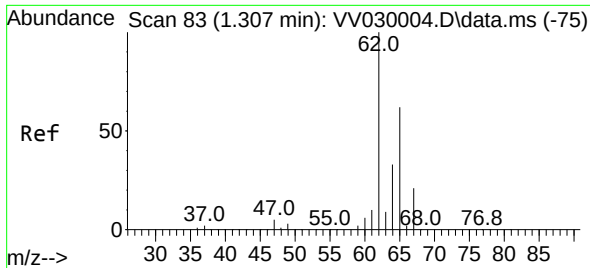
Tgt Ion: 85 Resp: 91501
Ion Ratio Lower Upper
85 100
87 32.4 26.5 39.7



#3
Chloromethane
Concen: 5.494 ug/L
RT: 1.236 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

Tgt Ion: 50 Resp: 124993
Ion Ratio Lower Upper
50 100
52 33.7 23.1 42.9

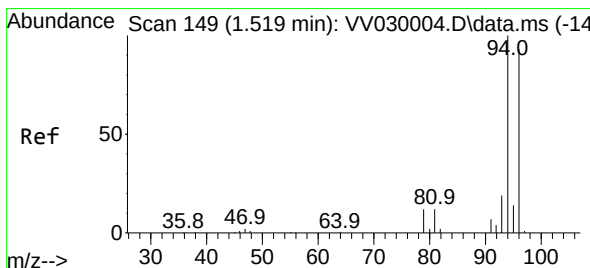
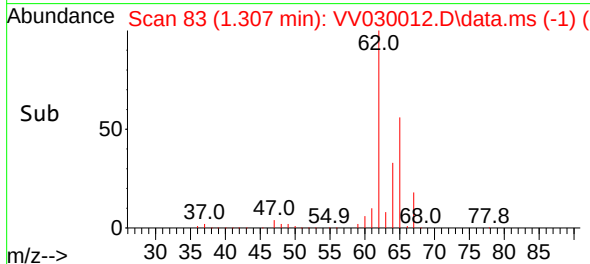
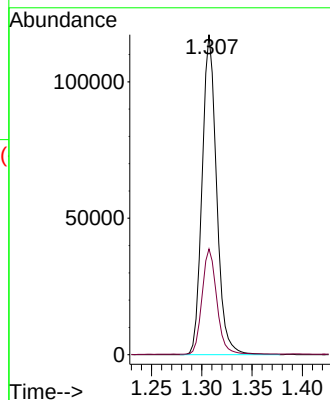
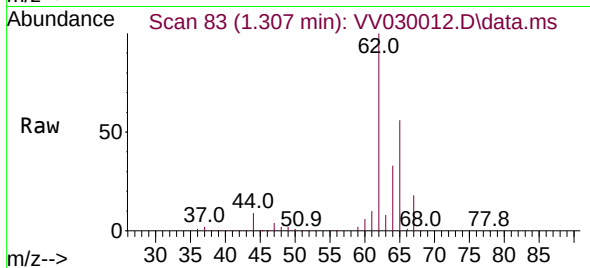




#5
 Vinyl chloride
 Concen: 5.253 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VV030012.D
 Acq: 31 Jan 2023 16:17

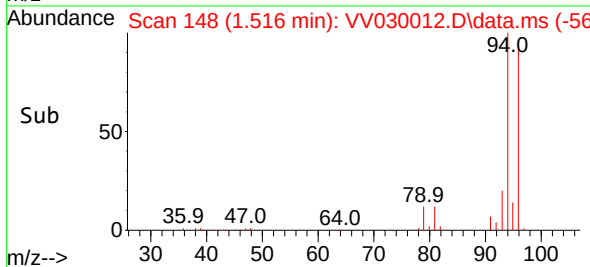
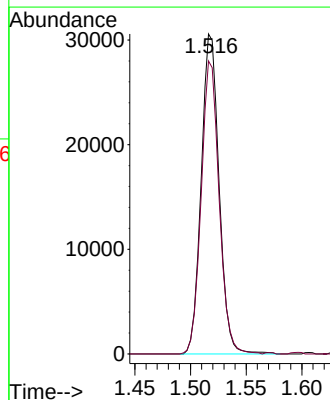
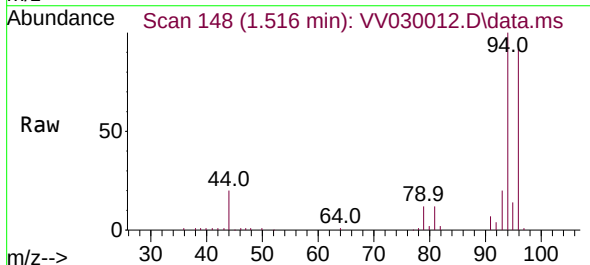
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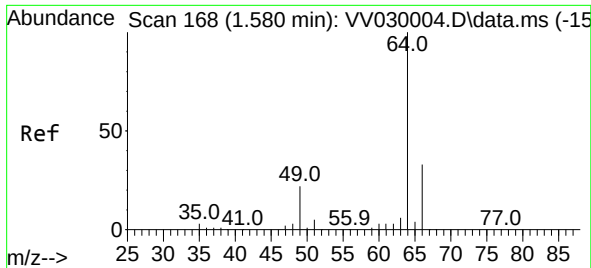
Tgt Ion: 62 Resp: 117191
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.2 43.2



#6
 Bromomethane
 Concen: 3.143 ug/L
 RT: 1.516 min Scan# 148
 Delta R.T. -0.003 min
 Lab File: VV030012.D
 Acq: 31 Jan 2023 16:17

Tgt Ion: 94 Resp: 34143
 Ion Ratio Lower Upper
 94 100
 96 91.5 65.9 122.5

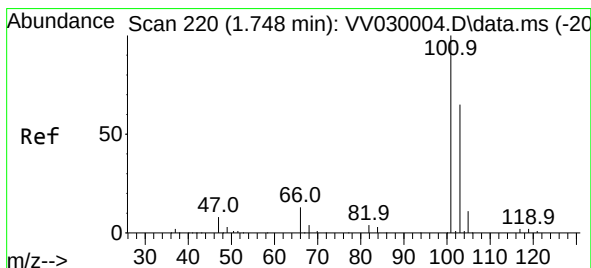
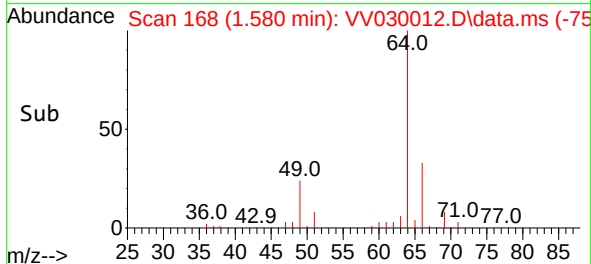
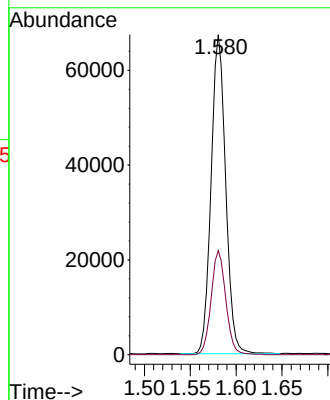
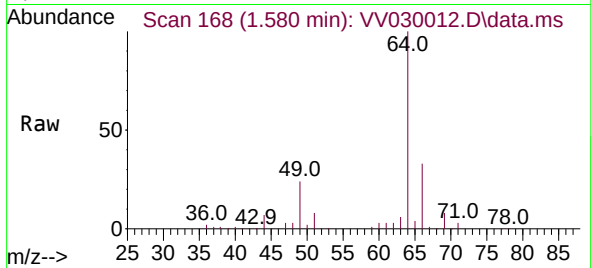




#8
Chloroethane
Concen: 5.485 ug/L
RT: 1.580 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

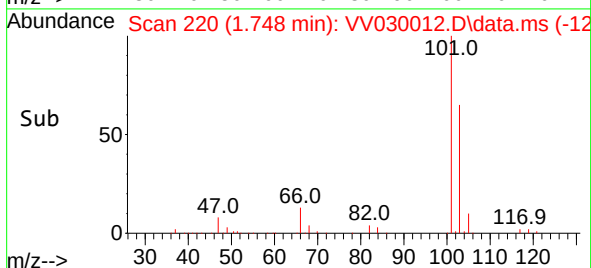
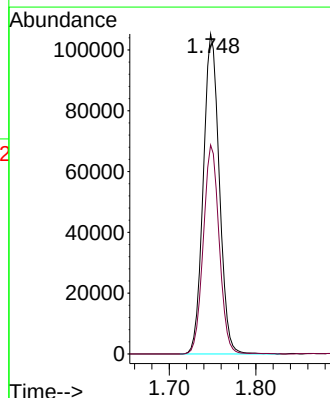
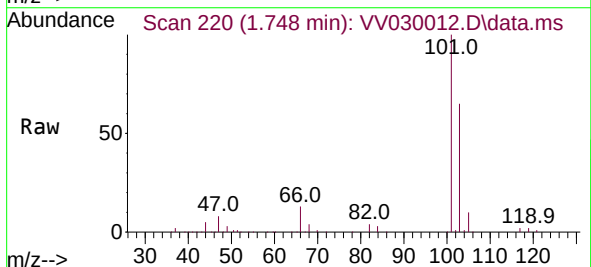
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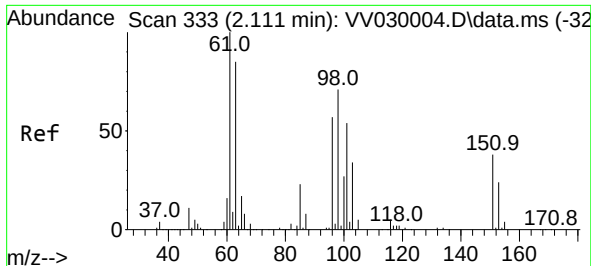
Tgt Ion: 64 Resp: 74245
Ion Ratio Lower Upper
64 100
66 32.6 22.9 42.5



#9
Trichlorofluoromethane
Concen: 4.616 ug/L
RT: 1.748 min Scan# 220
Delta R.T. 0.000 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

Tgt Ion:101 Resp: 134898
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.8

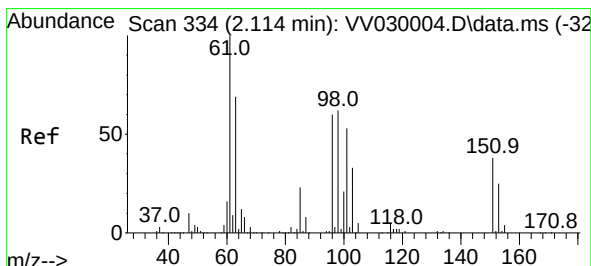
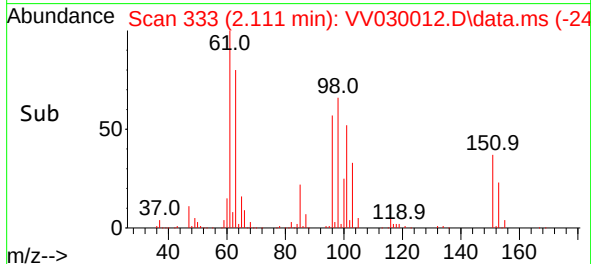
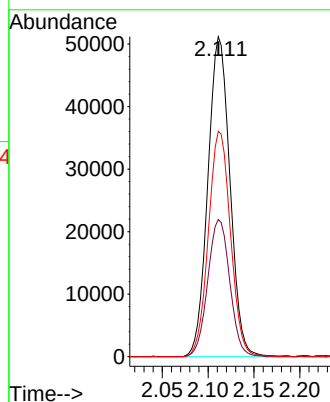
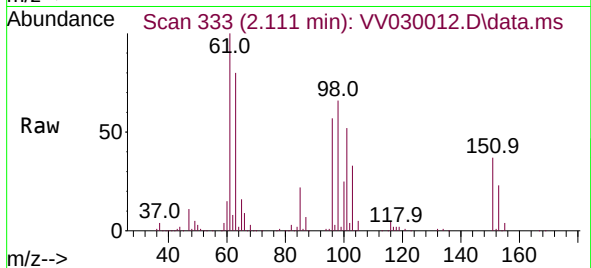




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.976 ug/L
 RT: 2.111 min Scan# 333
 Delta R.T. 0.000 min
 Lab File: VV030012.D
 Acq: 31 Jan 2023 16:17

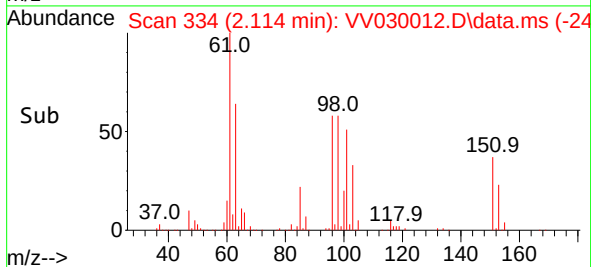
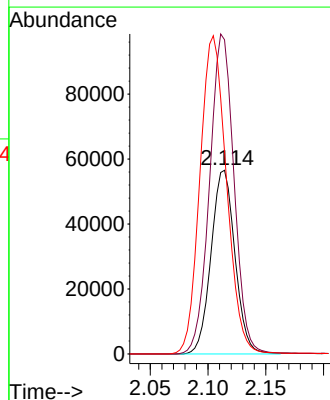
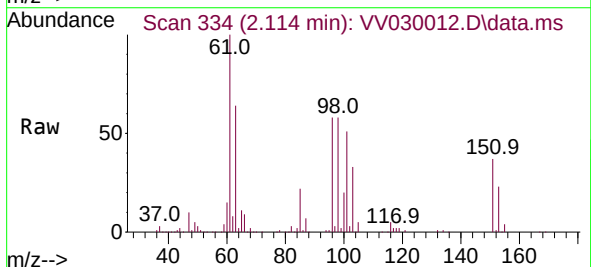
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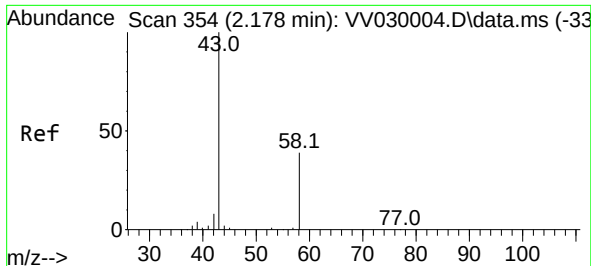
Tgt Ion:101 Resp: 85671
 Ion Ratio Lower Upper
 101 100
 85 42.8 32.9 49.3
 151 70.5 60.9 91.3



#12
 1,1-Dichloroethene
 Concen: 4.098 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV030012.D
 Acq: 31 Jan 2023 16:17

Tgt Ion: 96 Resp: 81287
 Ion Ratio Lower Upper
 96 100
 61 171.0 106.1 197.1
 63 110.2 76.4 141.8





#13

Acetone

Concen: 54.562 ug/L

RT: 2.179 min Scan# 354

Delta R.T. 0.000 min

Lab File: VV030012.D

Acq: 31 Jan 2023 16:17

Instrument :

MSVOA_V

ClientSampleId :

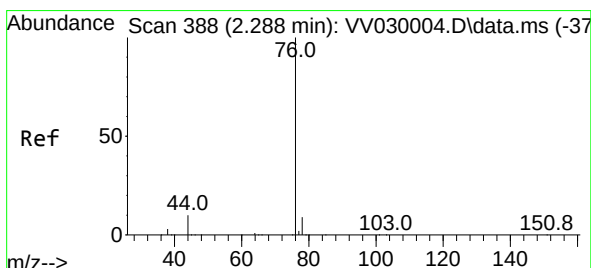
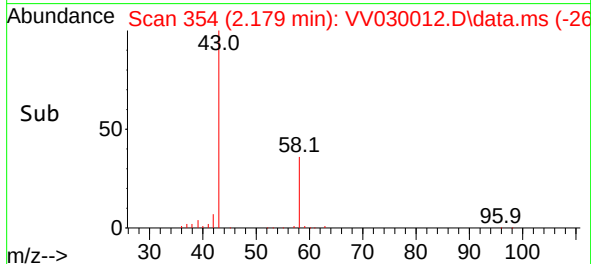
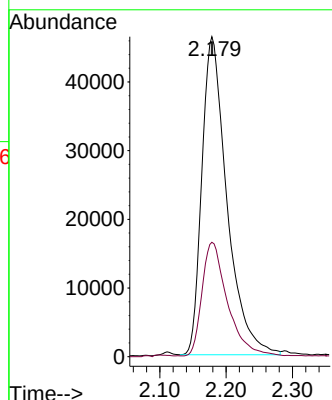
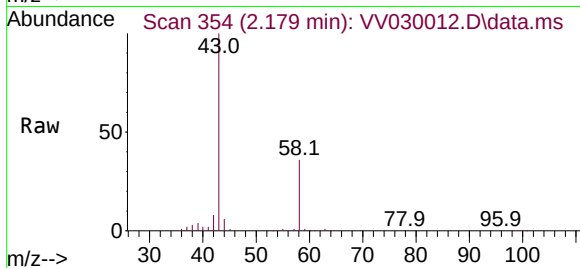
VSTD005399

Tgt Ion: 43 Resp: 121606

Ion Ratio Lower Upper

43 100

58 36.2 0.0 68.8



#14

Carbon disulfide

Concen: 4.245 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.000 min

Lab File: VV030012.D

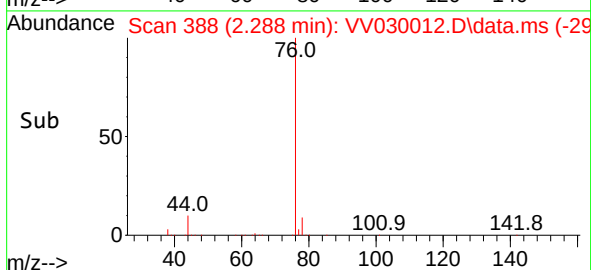
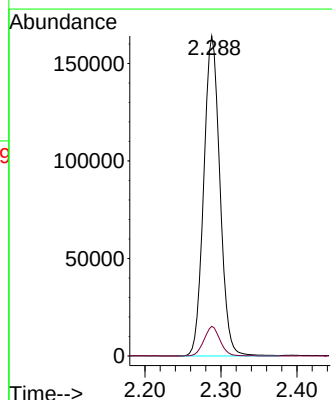
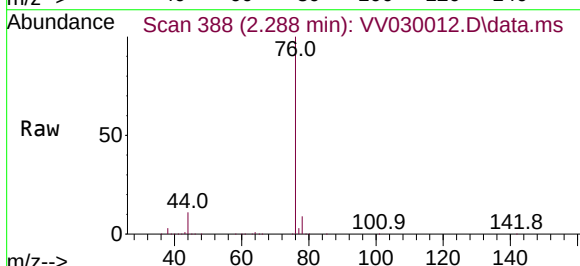
Acq: 31 Jan 2023 16:17

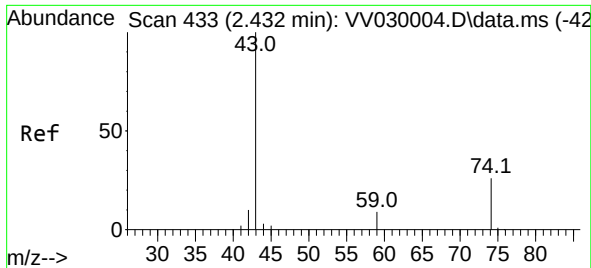
Tgt Ion: 76 Resp: 242417

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

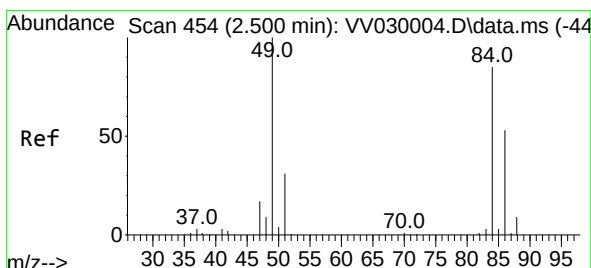
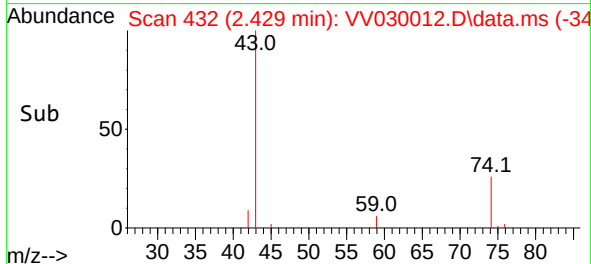
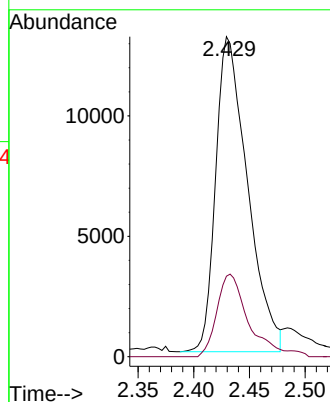
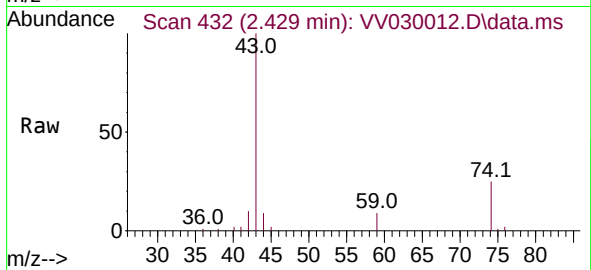




#15
Methyl Acetate
Concen: 4.476 ug/L
RT: 2.429 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

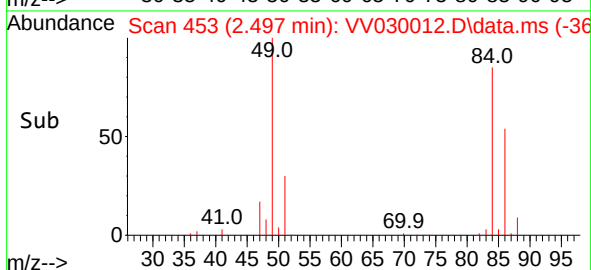
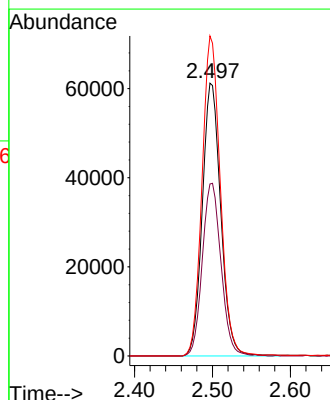
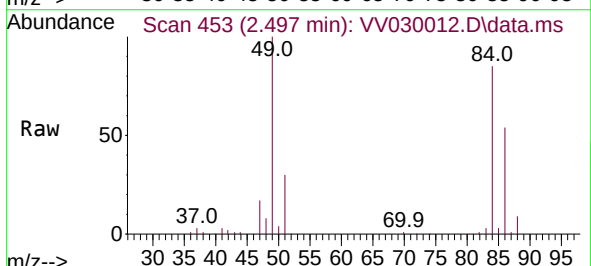
Instrument :
MSVOA_V
ClientSampleId :
VSTD005399

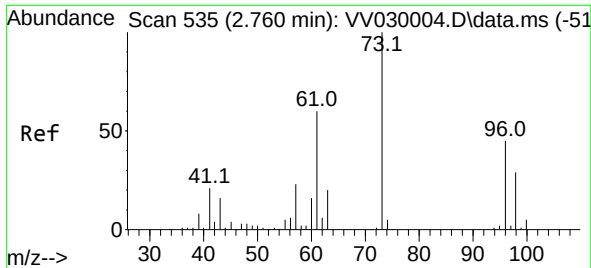
Tgt Ion: 43 Resp: 25982
Ion Ratio Lower Upper
43 100
74 26.3 23.4 35.0



#16
Methylene chloride
Concen: 4.081 ug/L
RT: 2.497 min Scan# 453
Delta R.T. -0.003 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

Tgt Ion: 84 Resp: 100544
Ion Ratio Lower Upper
84 100
86 63.1 45.0 83.6
49 117.3 71.5 132.7

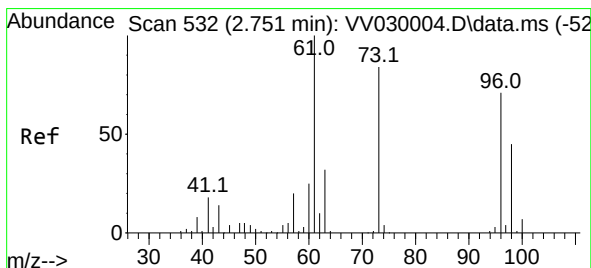
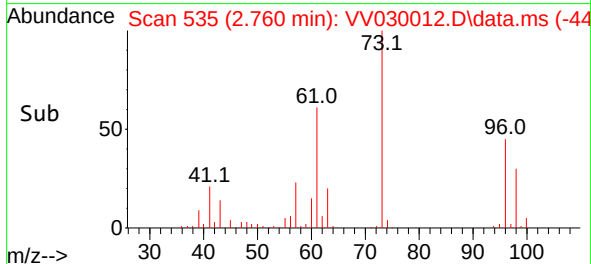
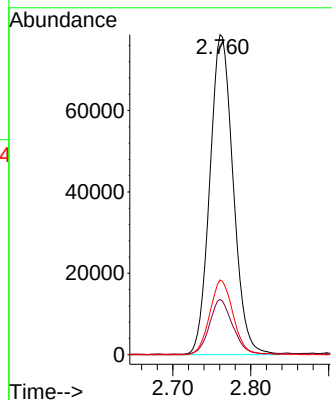
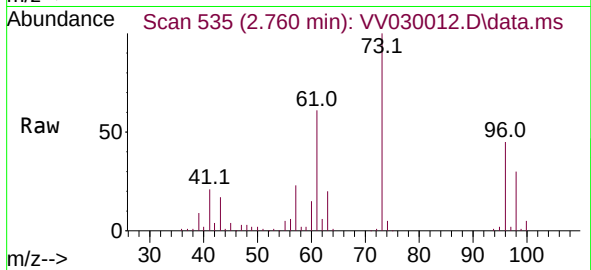




#17
Methyl tert-butyl Ether
Concen: 4.781 ug/L
RT: 2.760 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

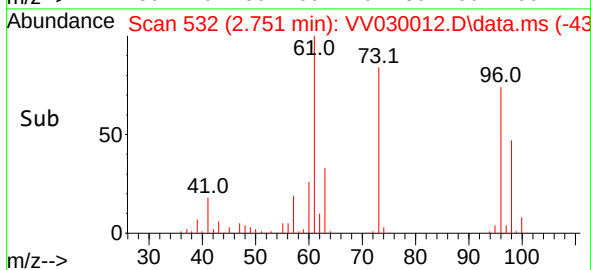
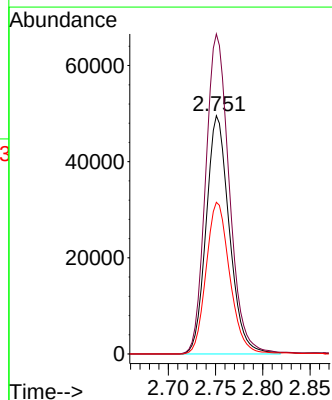
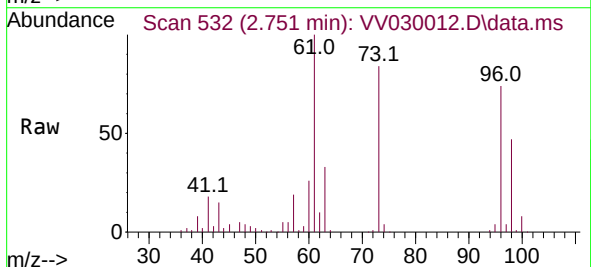
Instrument :
MSVOA_V
ClientSampleId :
VSTD005399

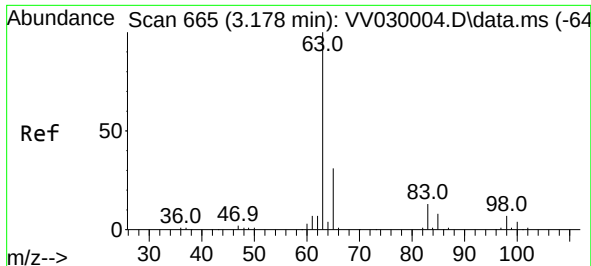
Tgt Ion: 73 Resp: 163949
Ion Ratio Lower Upper
73 100
43 16.7 13.0 19.4
57 23.2 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 4.591 ug/L
RT: 2.751 min Scan# 532
Delta R.T. 0.000 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

Tgt Ion: 96 Resp: 84645
Ion Ratio Lower Upper
96 100
61 134.3 86.1 159.9
98 63.7 43.9 81.5





#19

1,1-Dichloroethane

Concen: 5.337 ug/L

RT: 3.178 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV030012.D

Acq: 31 Jan 2023 16:17

Instrument :

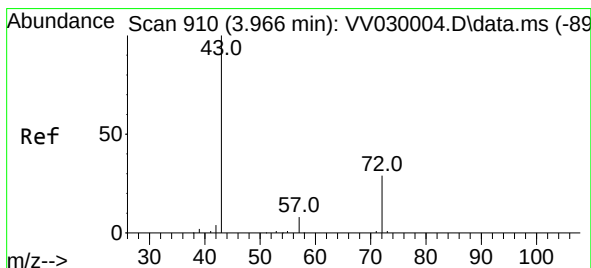
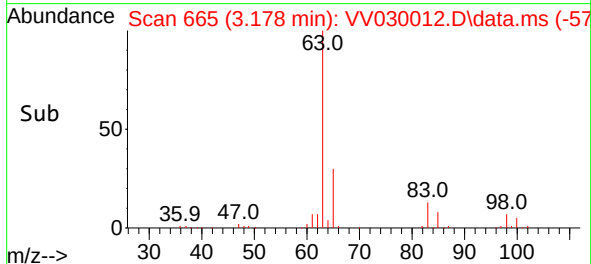
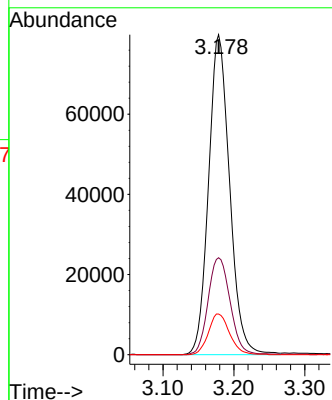
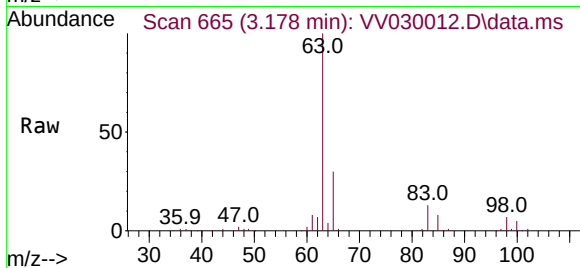
MSVOA_V

ClientSampleId :

VSTD005399

Tgt Ion: 63 Resp: 164605

Ion	Ratio	Lower	Upper
63	100		
65	30.3	22.4	41.6
83	12.7	10.2	19.0



#21

2-Butanone

Concen: 53.932 ug/L

RT: 3.966 min Scan# 910

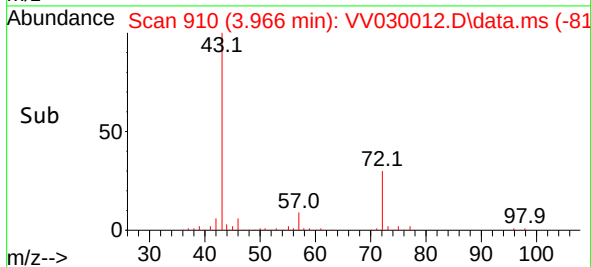
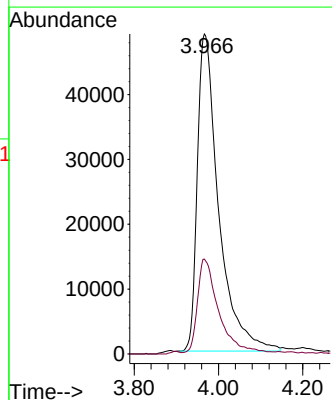
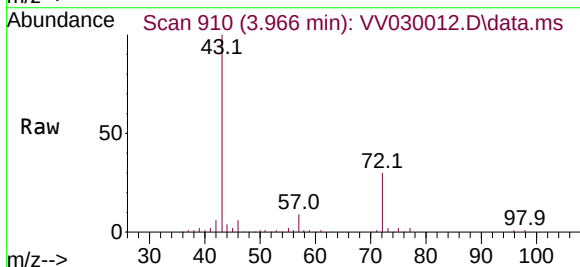
Delta R.T. 0.000 min

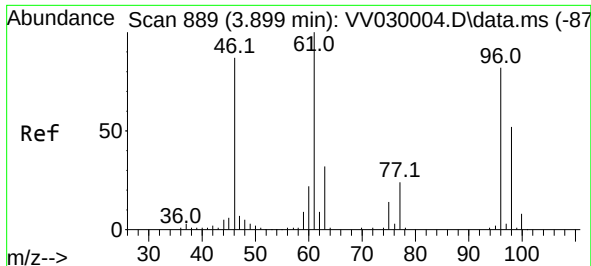
Lab File: VV030012.D

Acq: 31 Jan 2023 16:17

Tgt Ion: 43 Resp: 172199

Ion	Ratio	Lower	Upper
43	100		
72	29.2	13.9	41.6

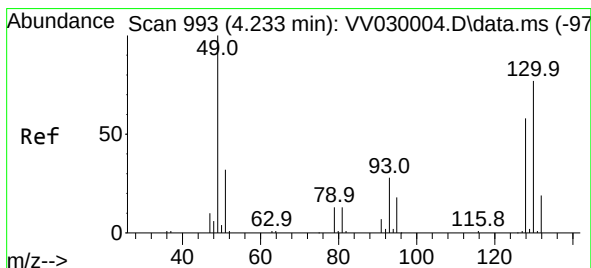
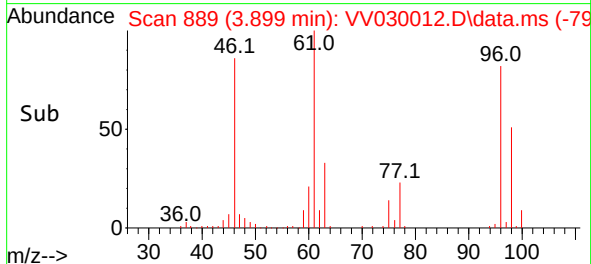
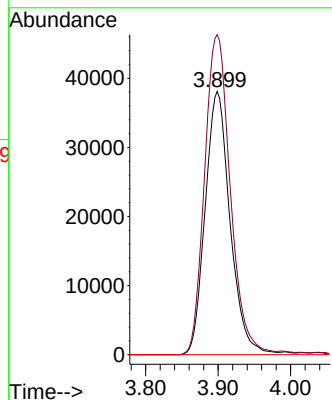
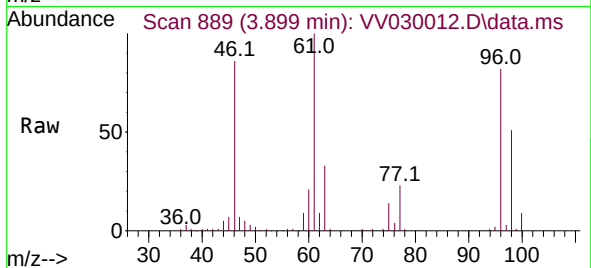




#22
 cis-1,2-Dichloroethene
 Concen: 4.630 ug/L
 RT: 3.899 min Scan# 889
 Delta R.T. 0.000 min
 Lab File: VV030012.D
 Acq: 31 Jan 2023 16:17

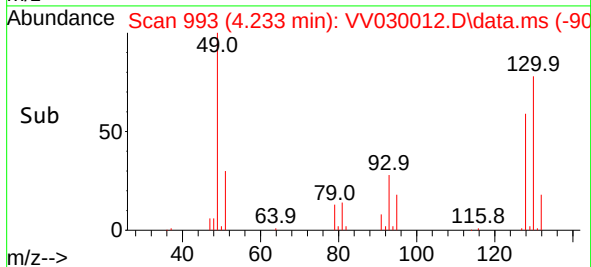
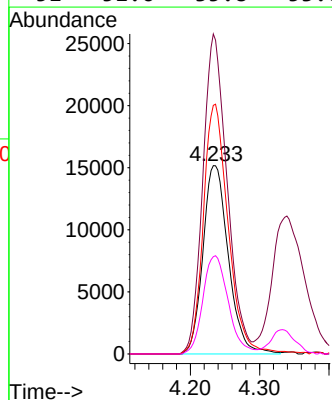
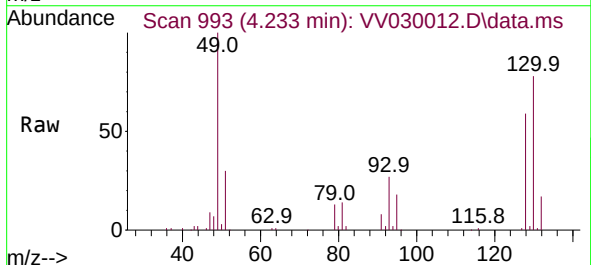
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005399

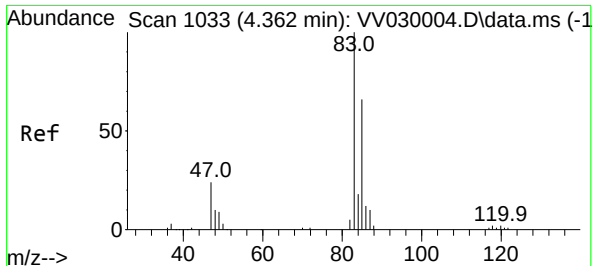
Tgt Ion: 96 Resp: 90952
 Ion Ratio Lower Upper
 96 100
 61 121.6 80.0 148.6
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.767 ug/L
 RT: 4.233 min Scan# 993
 Delta R.T. 0.000 min
 Lab File: VV030012.D
 Acq: 31 Jan 2023 16:17

Tgt Ion: 128 Resp: 38671
 Ion Ratio Lower Upper
 128 100
 49 169.9 91.2 169.4#
 130 132.0 87.0 161.6
 51 51.6 35.8 53.6





#25

Chloroform

Concen: 4.673 ug/L

RT: 4.362 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VV030012.D

Acq: 31 Jan 2023 16:17

Instrument :

MSVOA_V

ClientSampleId :

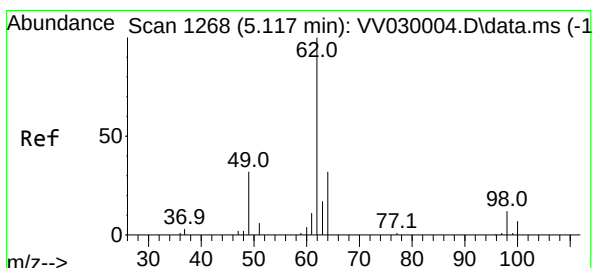
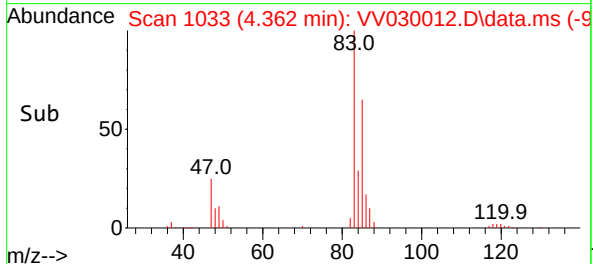
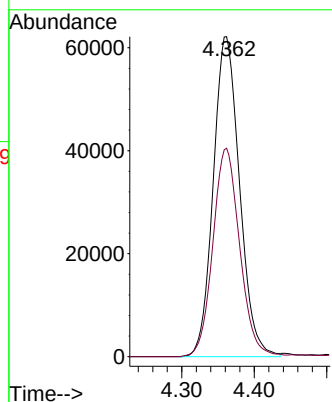
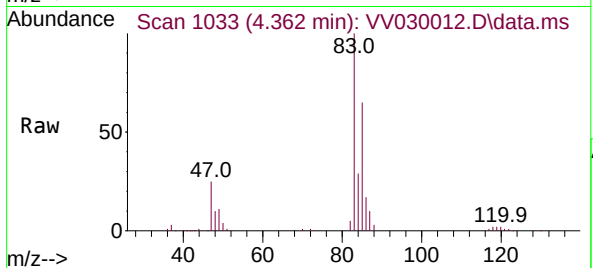
VSTD005399

Tgt Ion: 83 Resp: 156666

Ion Ratio Lower Upper

83 100

85 65.2 46.5 86.5



#27

1,2-Dichloroethane

Concen: 5.169 ug/L

RT: 5.117 min Scan# 1268

Delta R.T. 0.000 min

Lab File: VV030012.D

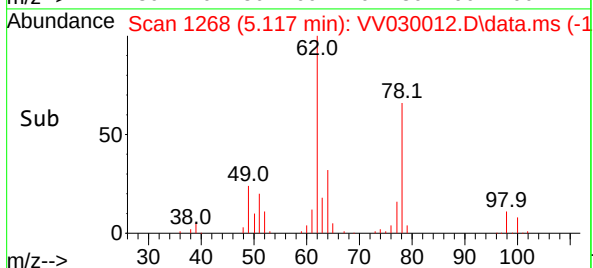
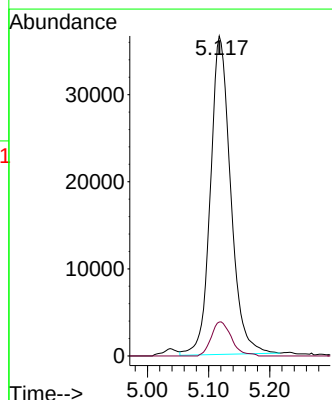
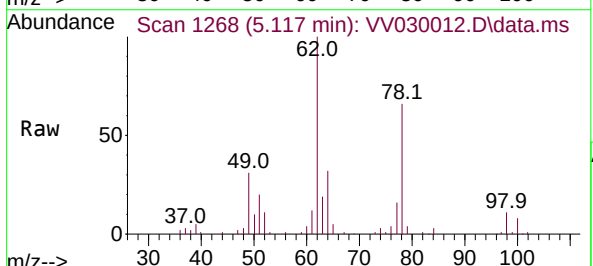
Acq: 31 Jan 2023 16:17

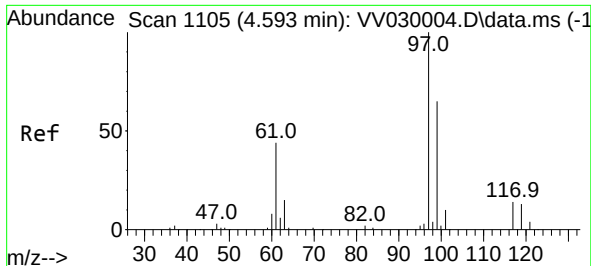
Tgt Ion: 62 Resp: 84202

Ion Ratio Lower Upper

62 100

98 10.6 8.9 13.3





#29

1,1,1-Trichloroethane

Concen: 4.657 ug/L

RT: 4.596 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV030012.D

Acq: 31 Jan 2023 16:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD005399

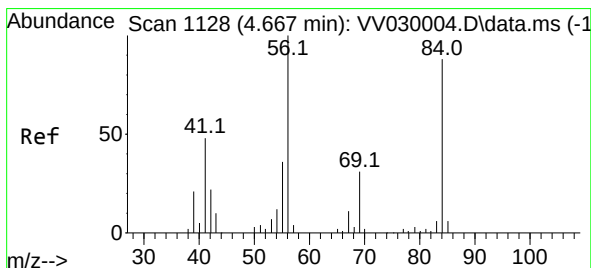
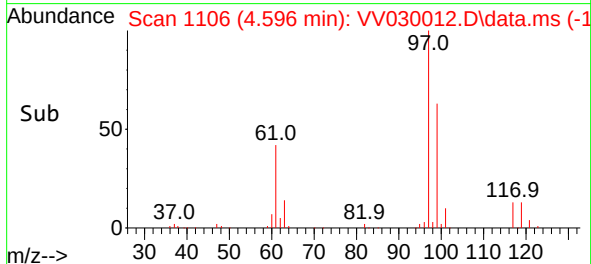
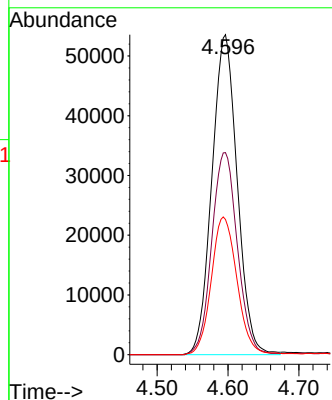
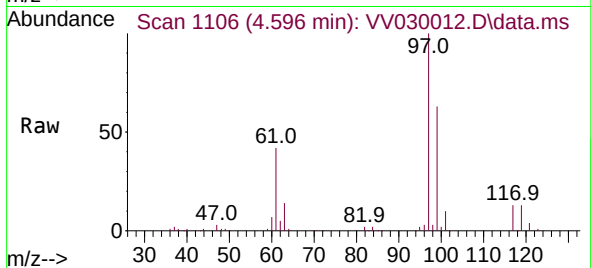
Tgt Ion: 97 Resp: 133217

Ion Ratio Lower Upper

97 100

99 63.9 51.3 76.9

61 43.7 31.6 47.4



#30

Cyclohexane

Concen: 4.916 ug/L

RT: 4.664 min Scan# 1127

Delta R.T. -0.003 min

Lab File: VV030012.D

Acq: 31 Jan 2023 16:17

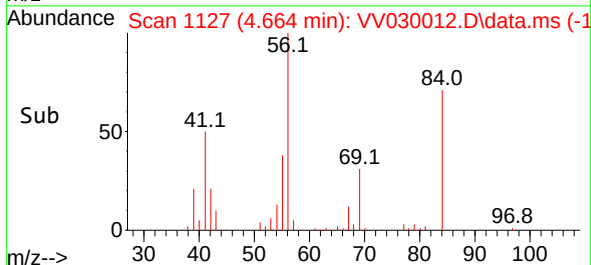
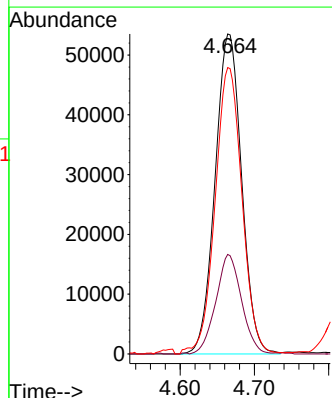
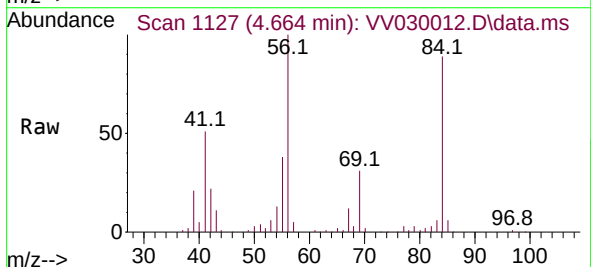
Tgt Ion: 56 Resp: 133134

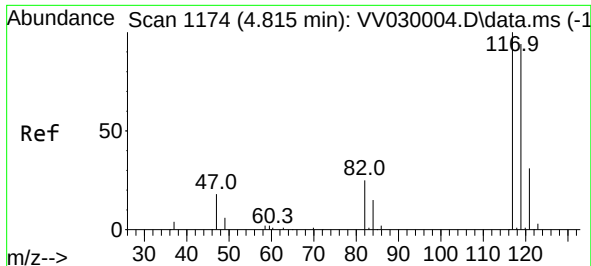
Ion Ratio Lower Upper

56 100

69 30.1 26.7 40.1

84 90.5 73.8 110.8

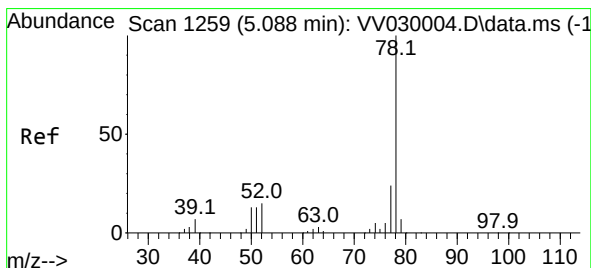
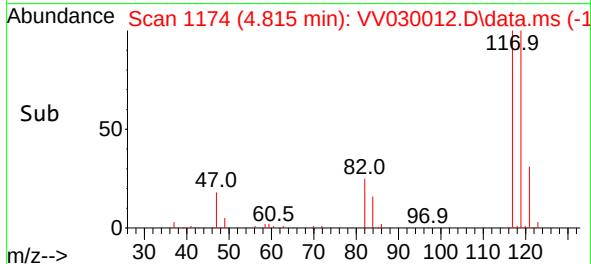
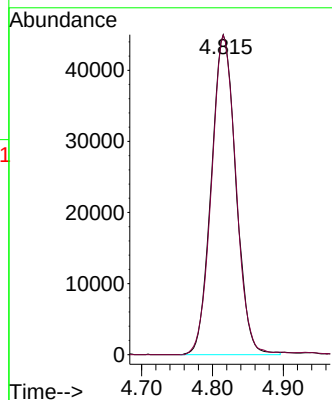
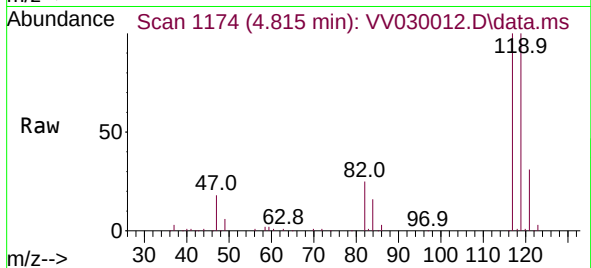




#31
Carbon tetrachloride
Concen: 4.353 ug/L
RT: 4.815 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

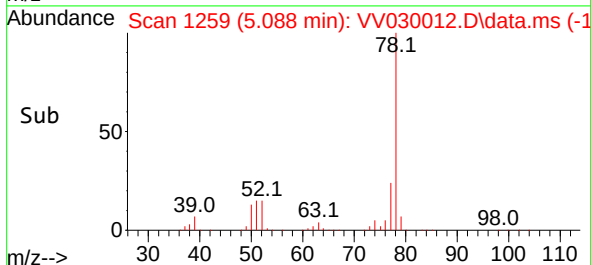
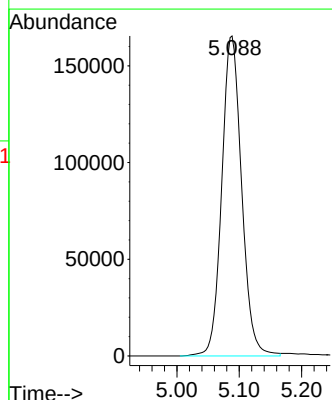
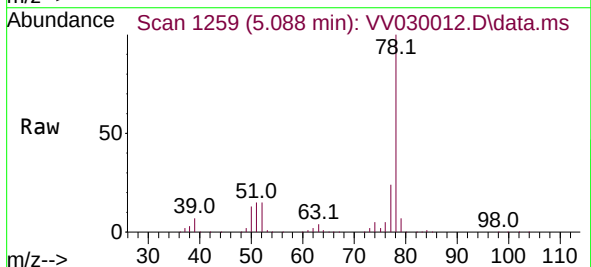
Instrument :
MSVOA_V
ClientSampleId :
VSTD005399

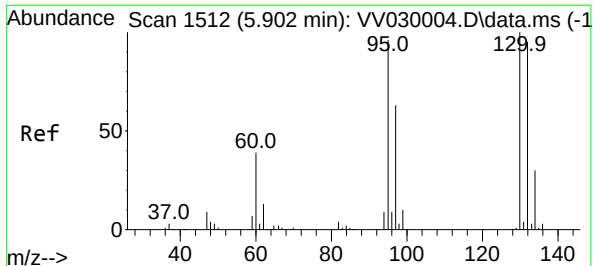
Tgt Ion:117 Resp: 108344
Ion Ratio Lower Upper
117 100
119 98.9 76.6 114.8



#33
Benzene
Concen: 5.023 ug/L
RT: 5.088 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

Tgt Ion: 78 Resp: 365894



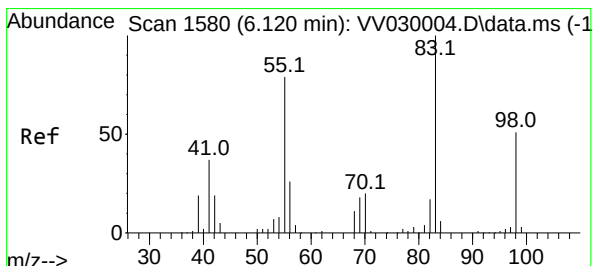
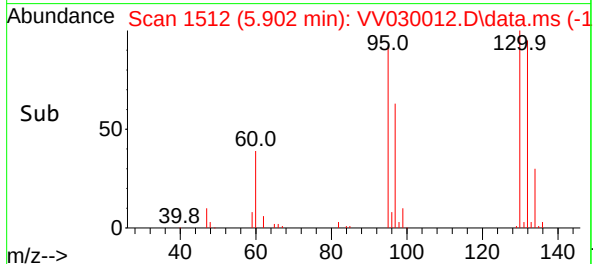
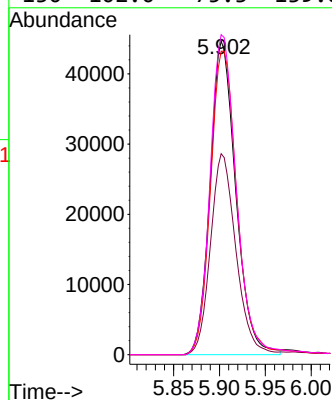
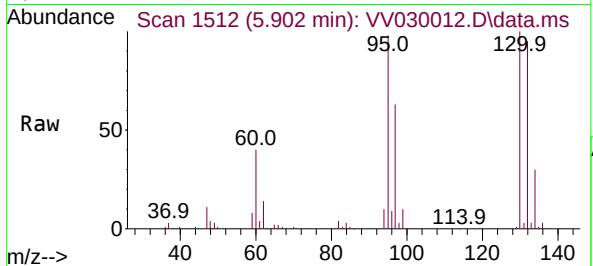


#34
Trichloroethene
Concen: 4.700 ug/L
RT: 5.902 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD005399

Tgt Ion: 95 Resp: 86758

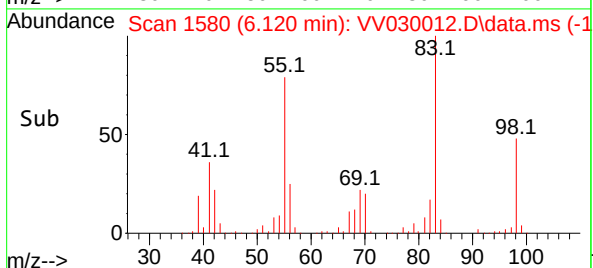
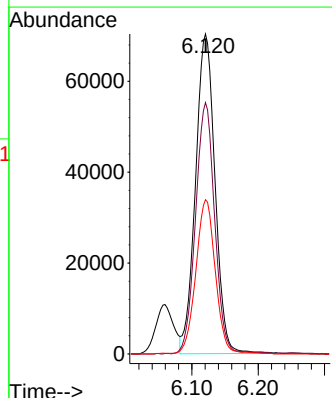
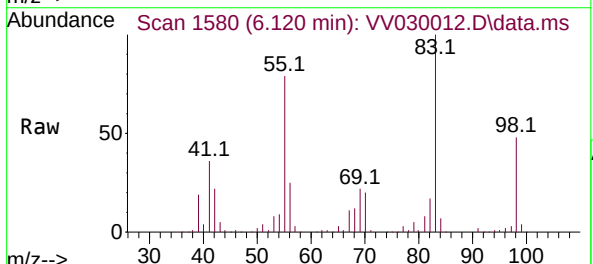
Ion	Ratio	Lower	Upper
95	100		
97	64.1	44.9	83.3
132	96.8	71.8	133.4
130	102.0	75.3	139.8

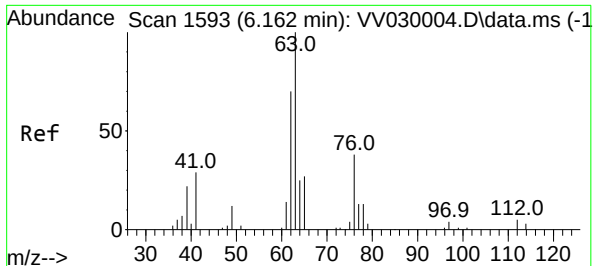


#35
Methylcyclohexane
Concen: 4.618 ug/L
RT: 6.120 min Scan# 1580
Delta R.T. 0.000 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

Tgt Ion: 83 Resp: 143906

Ion	Ratio	Lower	Upper
83	100		
55	77.7	57.3	85.9
98	48.5	39.0	58.6





#37

1,2-Dichloropropane

Concen: 5.383 ug/L

RT: 6.162 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VV030012.D

Acq: 31 Jan 2023 16:17

Instrument :

MSVOA_V

ClientSampleId :

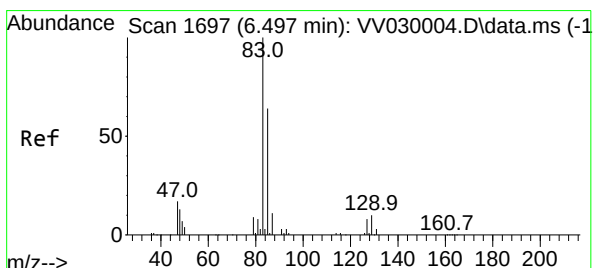
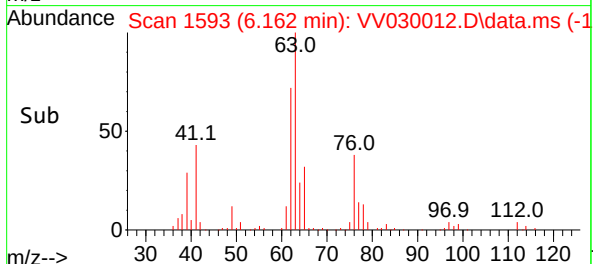
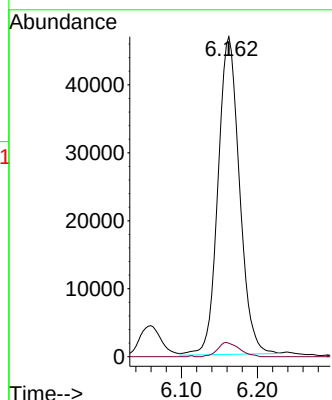
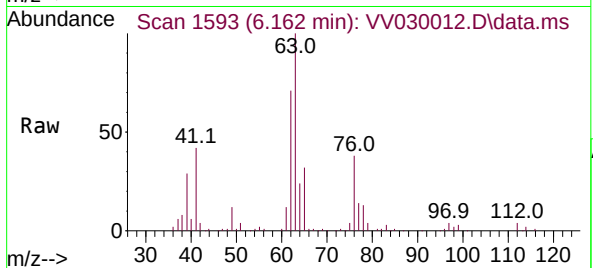
VSTD005399

Tgt Ion: 63 Resp: 91818

Ion Ratio Lower Upper

63 100

112 4.5 3.9 5.9



#38

Bromodichloromethane

Concen: 4.908 ug/L

RT: 6.497 min Scan# 1697

Delta R.T. 0.000 min

Lab File: VV030012.D

Acq: 31 Jan 2023 16:17

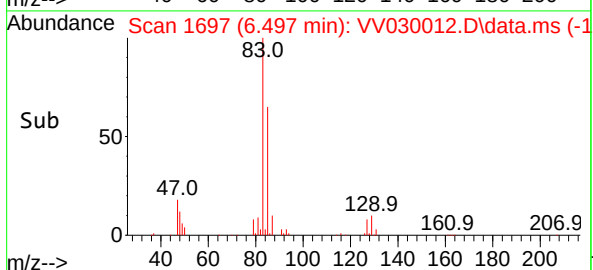
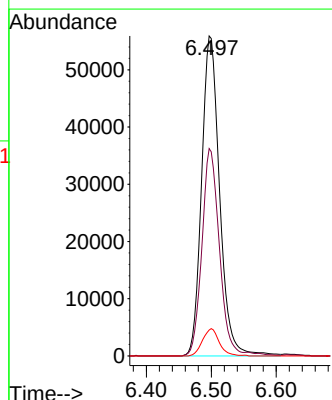
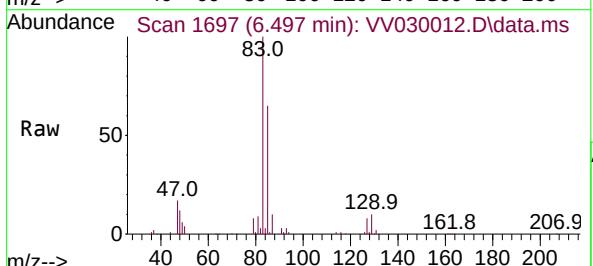
Tgt Ion: 83 Resp: 108281

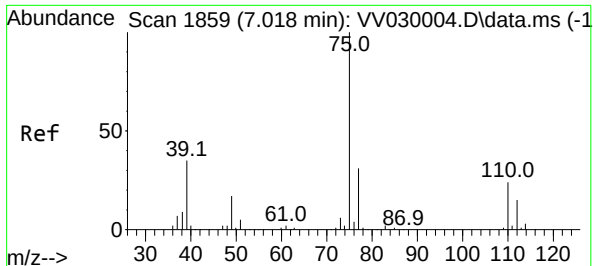
Ion Ratio Lower Upper

83 100

85 64.8 43.2 80.2

127 8.1 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 5.178 ug/L

RT: 7.018 min Scan# 118442

Delta R.T. 0.000 min

Lab File: VV030012.D

Acq: 31 Jan 2023 16:17

Instrument :

MSVOA_V

ClientSampleId :

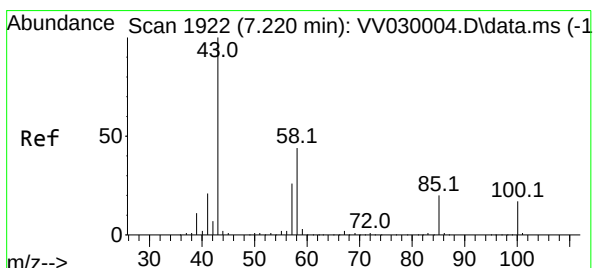
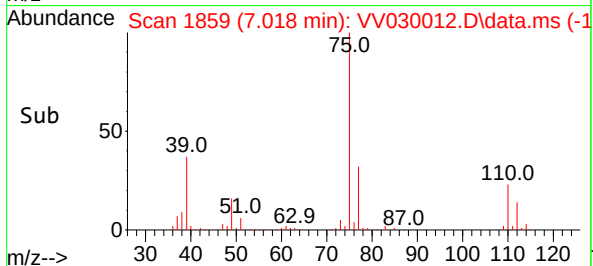
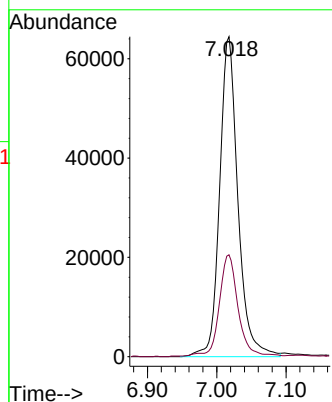
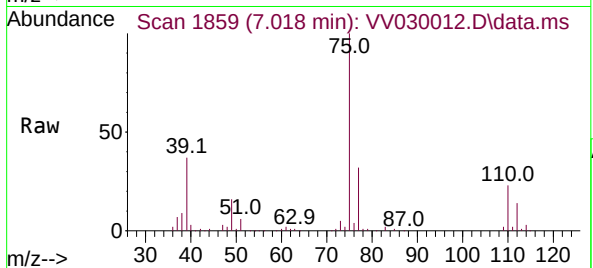
VSTD005399

Tgt Ion: 75 Resp: 118442

Ion Ratio Lower Upper

75 100

77 31.9 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 57.202 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. 0.000 min

Lab File: VV030012.D

Acq: 31 Jan 2023 16:17

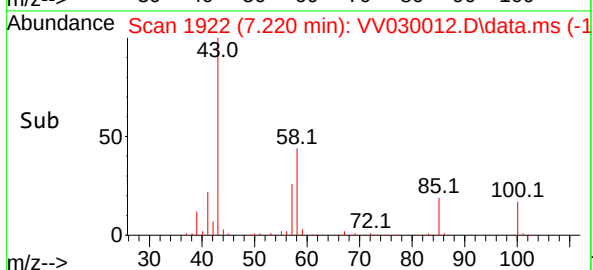
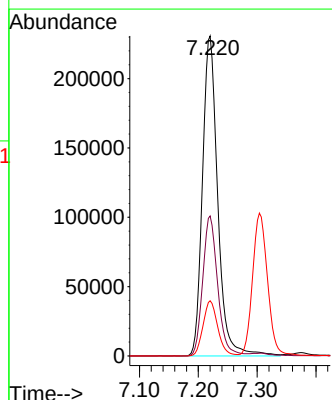
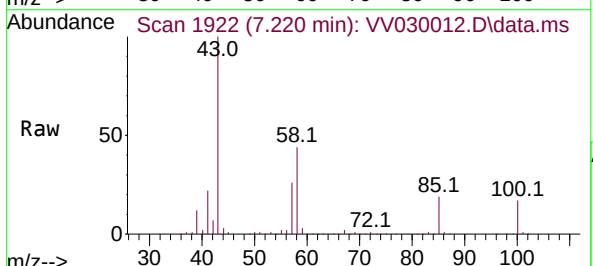
Tgt Ion: 43 Resp: 416409

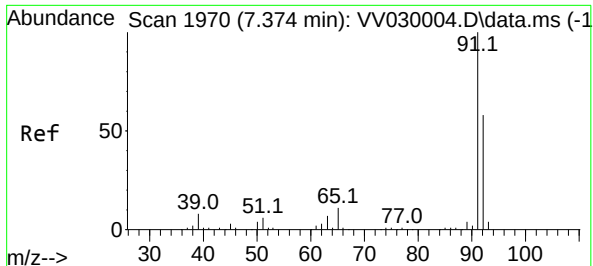
Ion Ratio Lower Upper

43 100

58 42.7 36.7 55.1

100 16.6 15.6 23.4

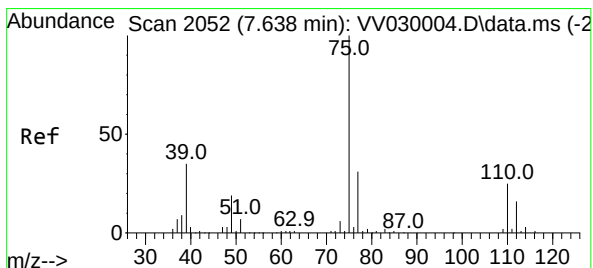
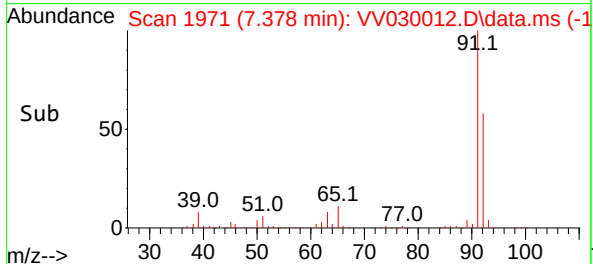
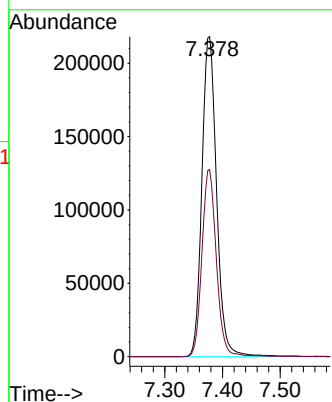
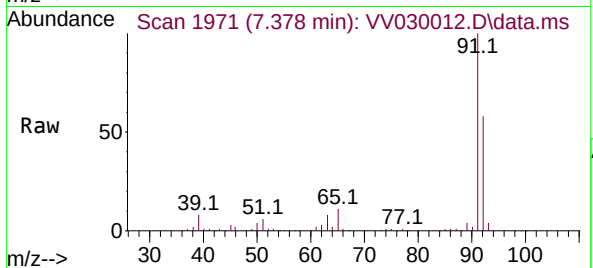




#42
Toluene
Concen: 4.894 ug/L
RT: 7.378 min Scan# 1970
Delta R.T. 0.003 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

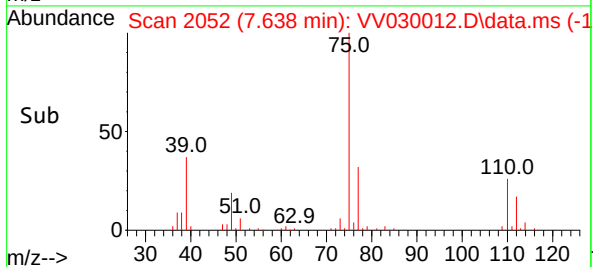
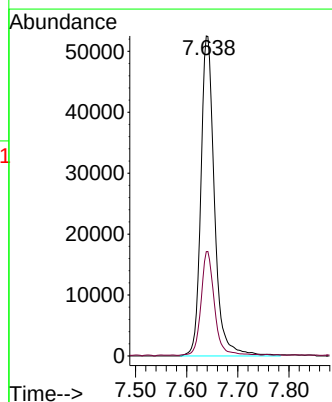
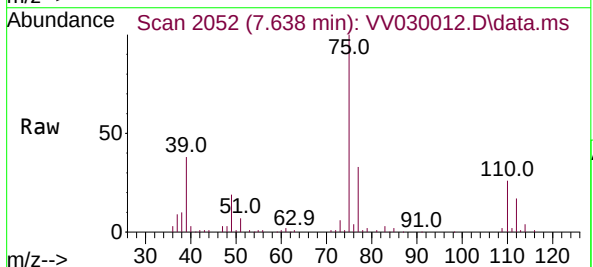
Instrument :
MSVOA_V
ClientSampleId :
VSTD005399

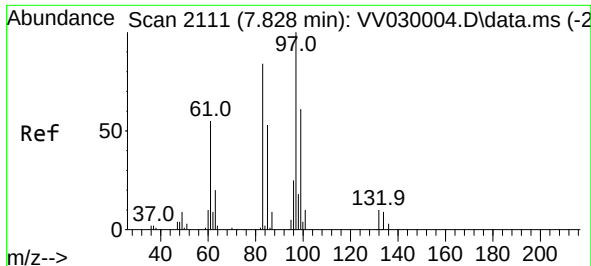
Tgt Ion: 91 Resp: 384475
Ion Ratio Lower Upper
91 100
92 58.4 40.6 75.4



#44
trans-1,3-Dichloropropene
Concen: 5.283 ug/L
RT: 7.638 min Scan# 2052
Delta R.T. 0.000 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

Tgt Ion: 75 Resp: 97380
Ion Ratio Lower Upper
75 100
77 32.6 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 4.784 ug/L

RT: 7.828 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VV030012.D

Acq: 31 Jan 2023 16:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD005399

Tgt Ion: 97 Resp: 58792

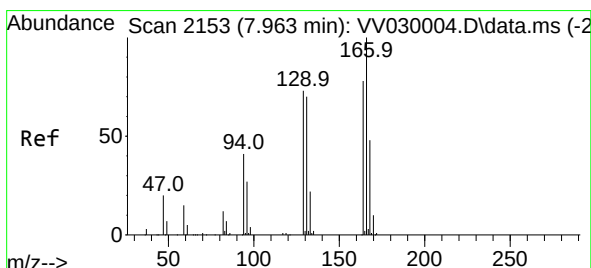
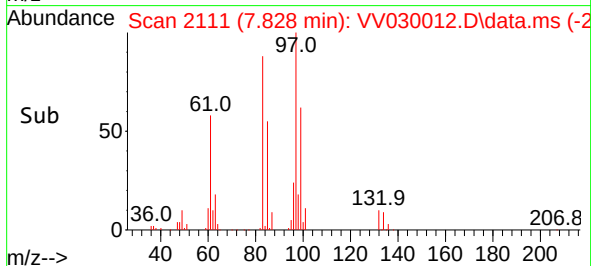
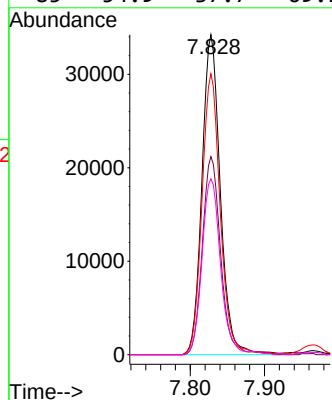
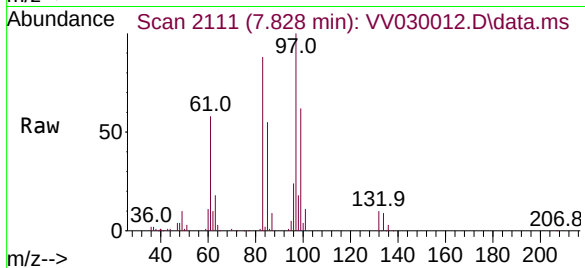
Ion Ratio Lower Upper

97 100

99 61.9 41.9 77.7

83 87.8 58.7 109.1

85 54.9 37.7 69.9



#47

Tetrachloroethene

Concen: 4.548 ug/L

RT: 7.963 min Scan# 2153

Delta R.T. 0.000 min

Lab File: VV030012.D

Acq: 31 Jan 2023 16:17

Tgt Ion: 164 Resp: 70678

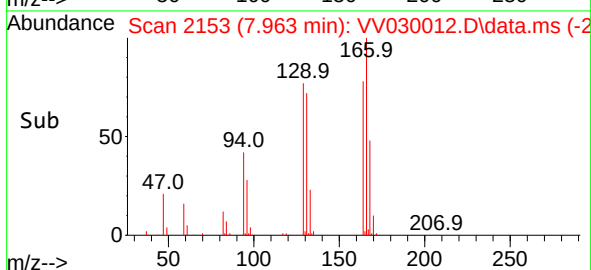
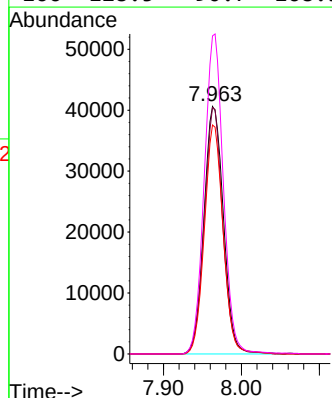
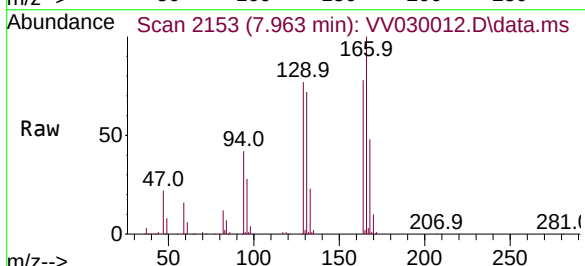
Ion Ratio Lower Upper

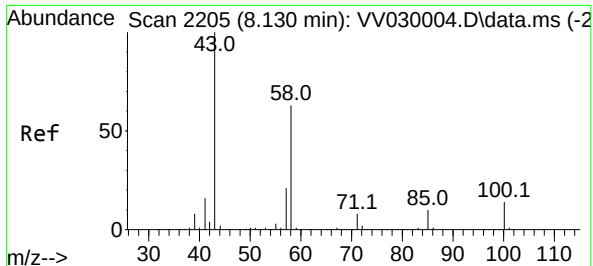
164 100

129 99.5 64.5 119.7

131 92.5 62.9 116.7

166 128.5 90.7 168.5



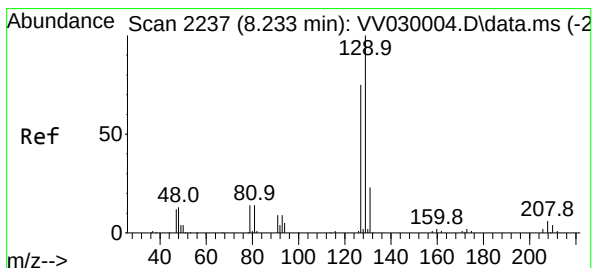
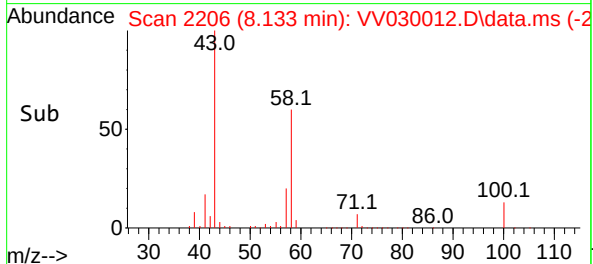
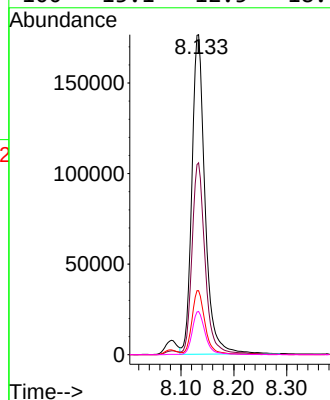
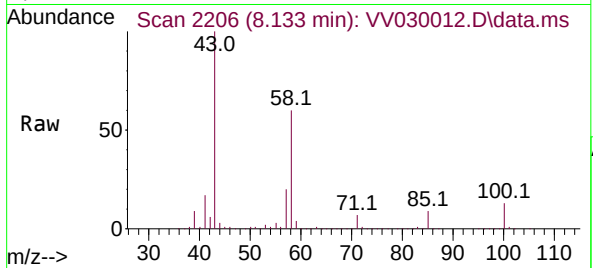


#48
2-Hexanone
Concen: 58.752 ug/L
RT: 8.133 min Scan# 2205
Delta R.T. 0.003 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD005399

Tgt Ion: 43 Resp: 305697

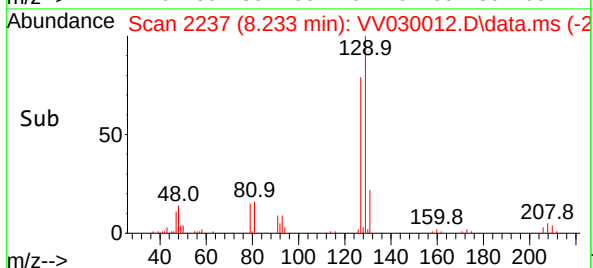
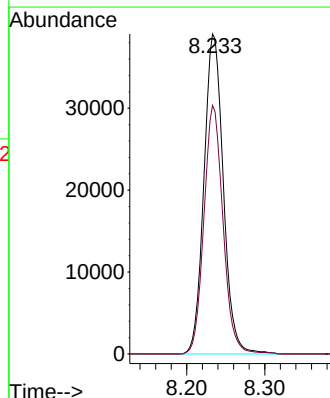
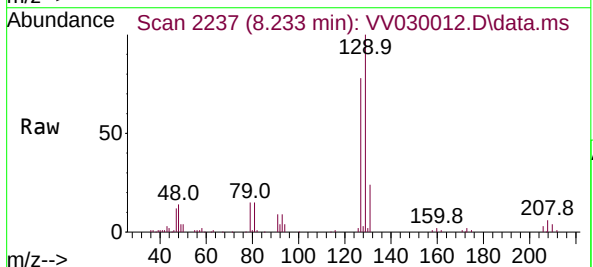
Ion	Ratio	Lower	Upper
43	100		
58	59.7	51.4	77.2
57	19.7	17.0	25.6
100	13.1	12.5	18.7

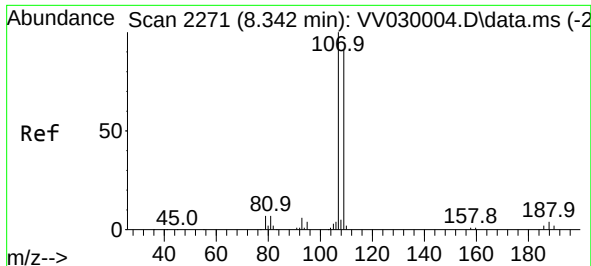


#49
Dibromochloromethane
Concen: 4.677 ug/L
RT: 8.233 min Scan# 2237
Delta R.T. 0.000 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

Tgt Ion: 129 Resp: 67455

Ion	Ratio	Lower	Upper
129	100		
127	77.7	54.1	100.5

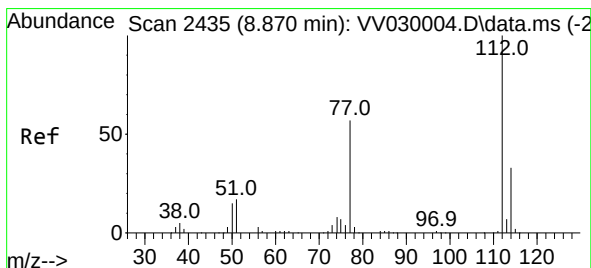
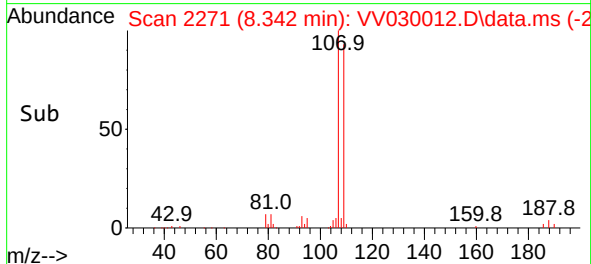
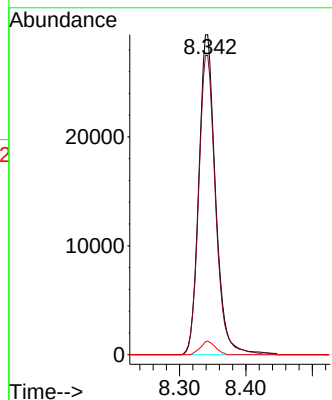
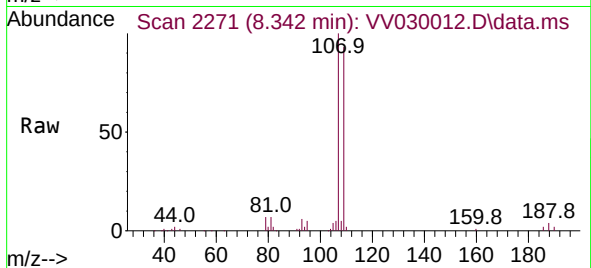




#50
1,2-Dibromoethane
Concen: 4.830 ug/L
RT: 8.342 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

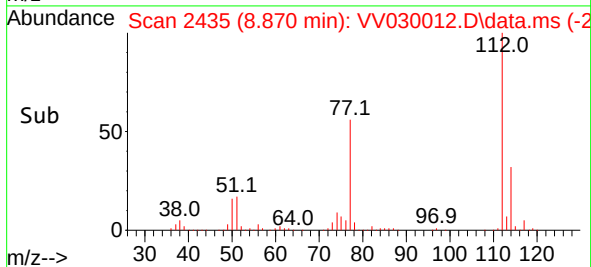
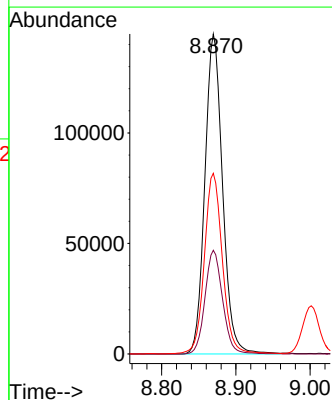
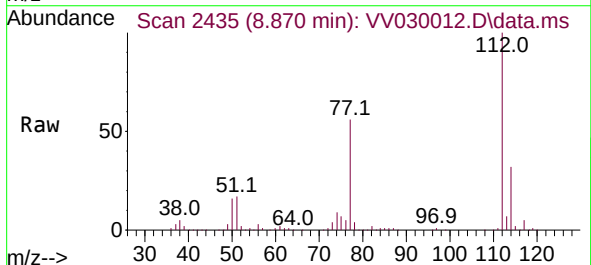
Instrument :
MSVOA_V
ClientSampleId :
VSTD005399

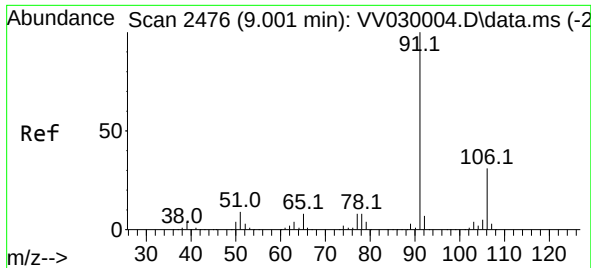
Tgt Ion:107 Resp: 51534
Ion Ratio Lower Upper
107 100
109 93.5 66.1 122.7
188 4.2 2.9 4.3



#51
Chlorobenzene
Concen: 4.800 ug/L
RT: 8.870 min Scan# 2435
Delta R.T. 0.000 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

Tgt Ion:112 Resp: 239442
Ion Ratio Lower Upper
112 100
114 32.4 22.5 41.9
77 56.5 46.1 69.1

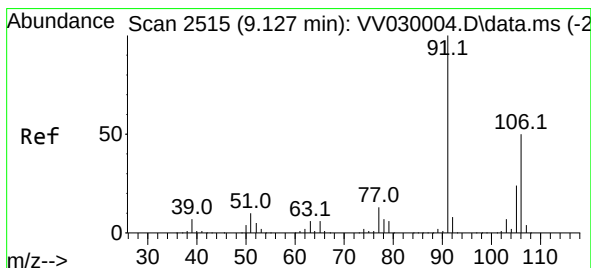
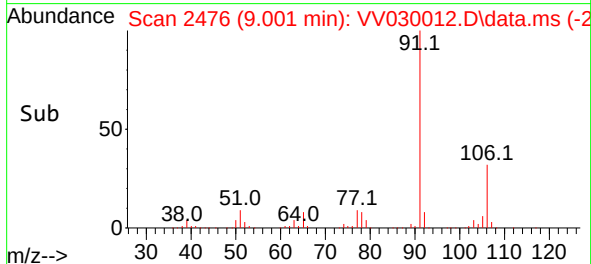
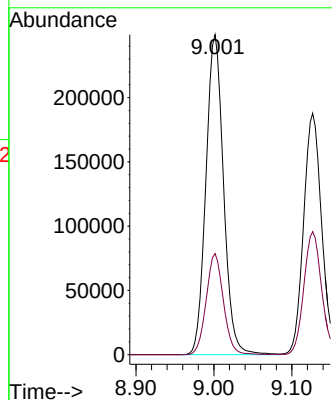
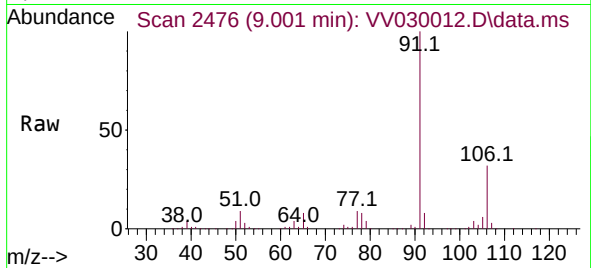




#52
Ethylbenzene
Concen: 4.763 ug/L
RT: 9.001 min Scan# 2476
Delta R.T. 0.000 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

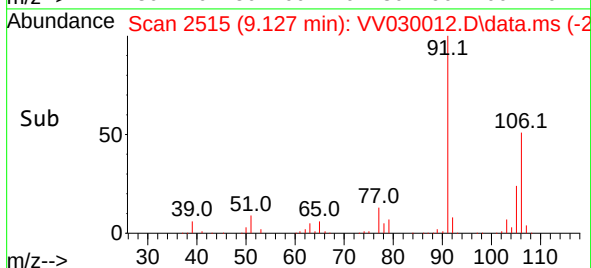
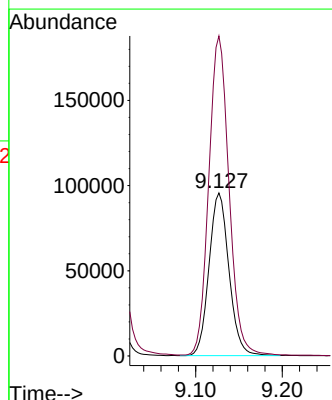
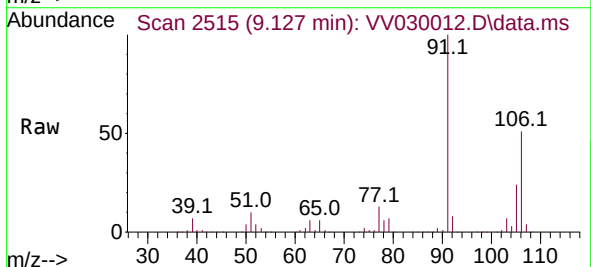
Instrument :
MSVOA_V
ClientSampleId :
VSTD005399

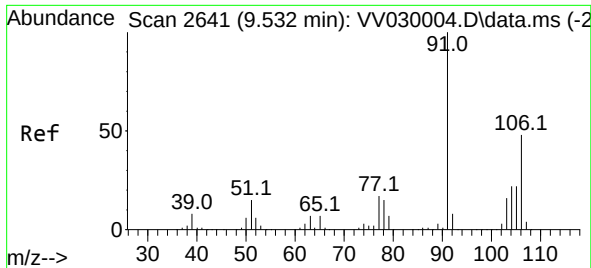
Tgt Ion: 91 Resp: 391604
Ion Ratio Lower Upper
91 100
106 31.6 21.9 40.7



#53
m,p-Xylene
Concen: 4.692 ug/L
RT: 9.127 min Scan# 2515
Delta R.T. 0.000 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

Tgt Ion: 106 Resp: 152713
Ion Ratio Lower Upper
106 100
91 196.3 138.7 257.7

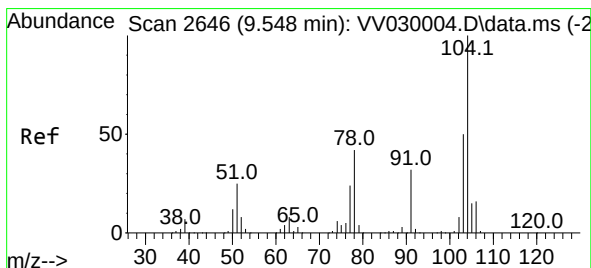
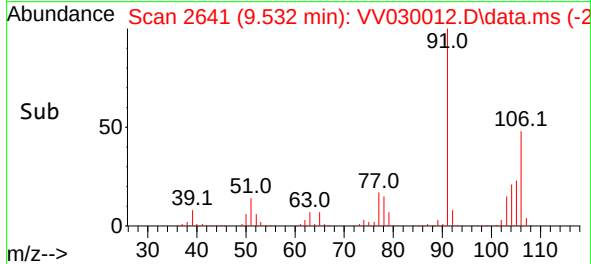
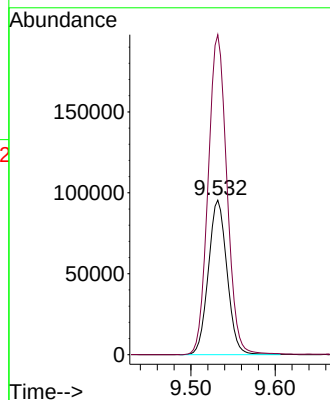
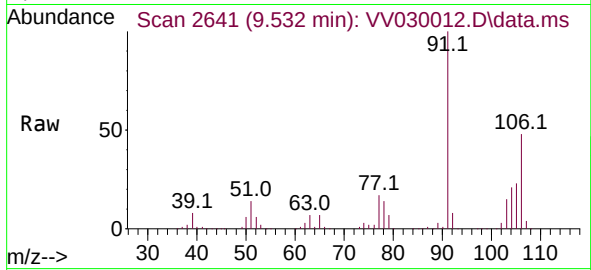




#54
o-Xylene
Concen: 4.763 ug/L
RT: 9.532 min Scan# 2641
Delta R.T. 0.000 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

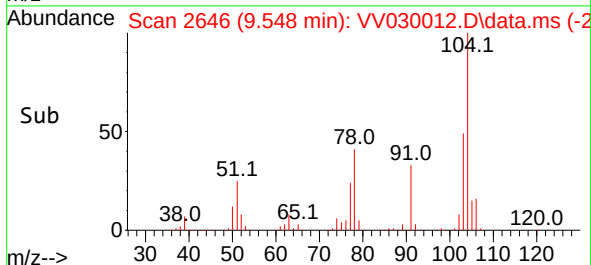
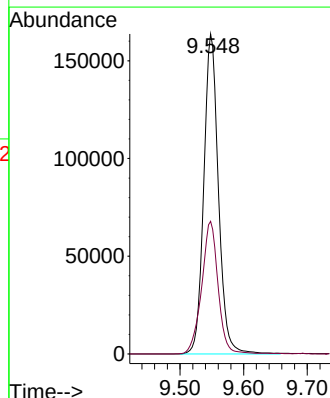
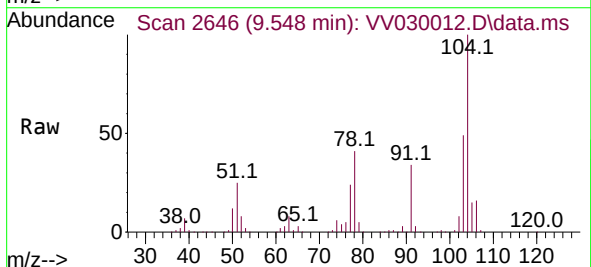
Instrument :
MSVOA_V
ClientSampleId :
VSTD005399

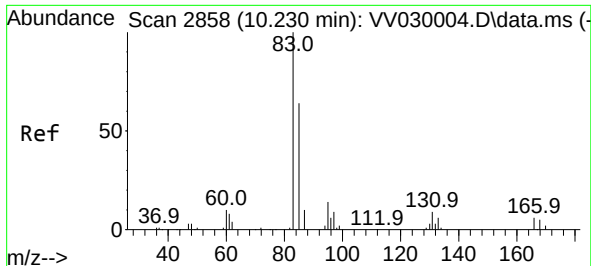
Tgt Ion:106 Resp: 147109
Ion Ratio Lower Upper
106 100
91 207.1 147.7 274.3



#55
Styrene
Concen: 4.943 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.000 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

Tgt Ion:104 Resp: 262567
Ion Ratio Lower Upper
104 100
78 41.5 28.6 53.2

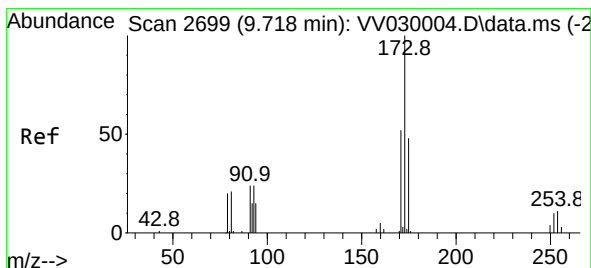
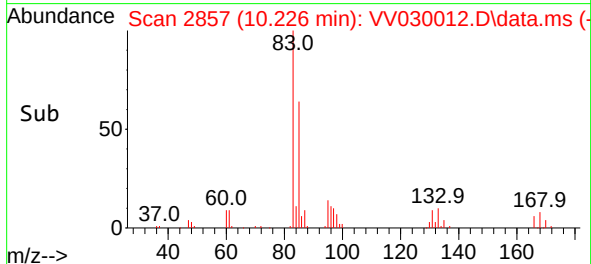
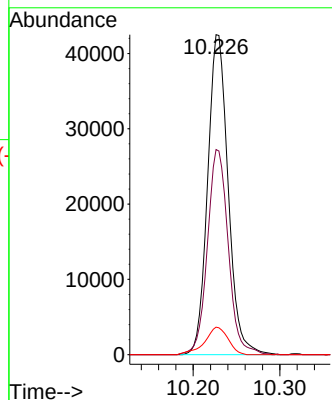
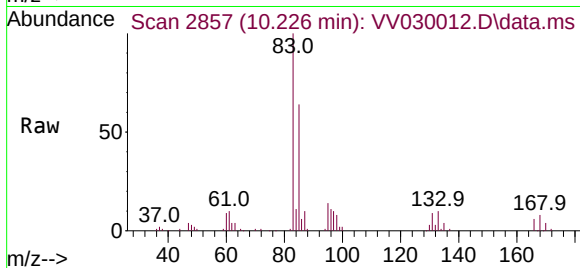




#57
1,1,2,2-Tetrachloroethane
Concen: 5.121 ug/L
RT: 10.226 min Scan# 2857
Delta R.T. -0.003 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

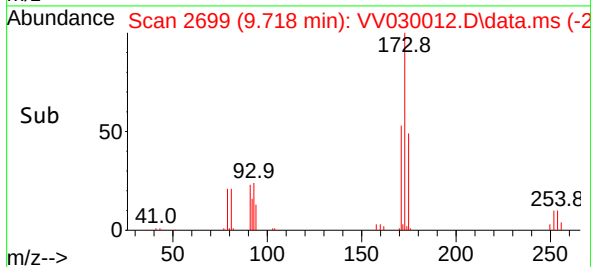
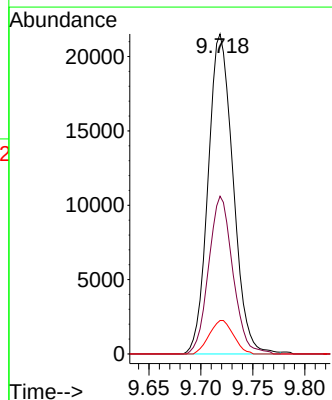
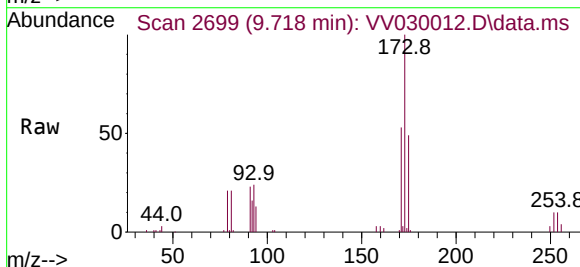
Instrument : MSVOA_V
ClientSampleId : VSTD005399

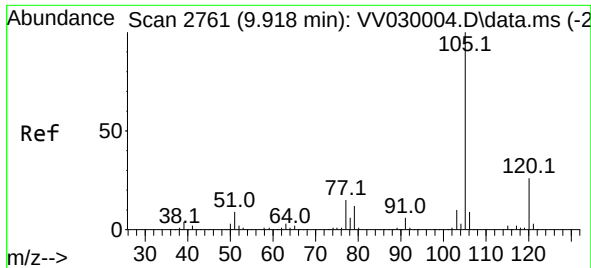
Tgt Ion: 83 Resp: 69908
Ion Ratio Lower Upper
83 100
85 64.1 46.0 85.4
131 8.6 8.4 12.6



#59
Bromoform
Concen: 4.636 ug/L
RT: 9.718 min Scan# 2699
Delta R.T. 0.000 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

Tgt Ion: 173 Resp: 35947
Ion Ratio Lower Upper
173 100
175 47.8 38.6 57.8
254 10.1 7.9 11.9

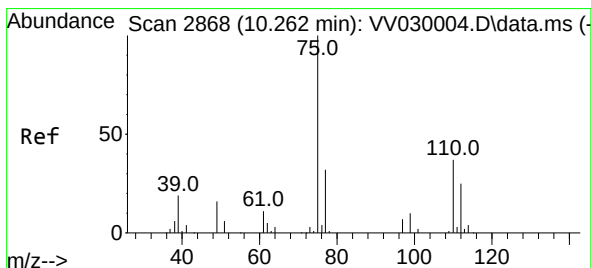
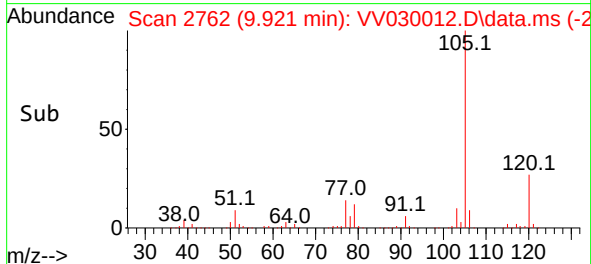
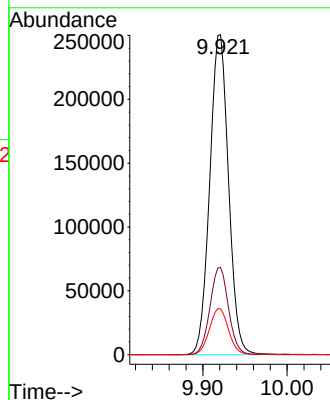
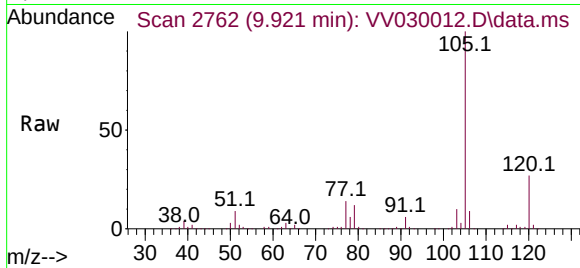




#60
Isopropylbenzene
Concen: 5.078 ug/L
RT: 9.921 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

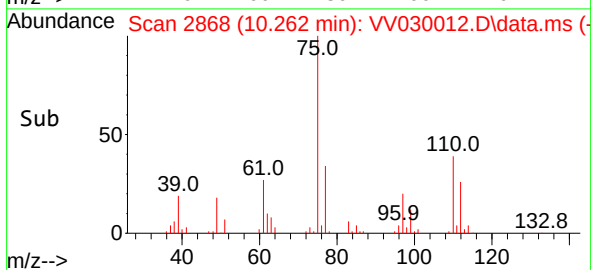
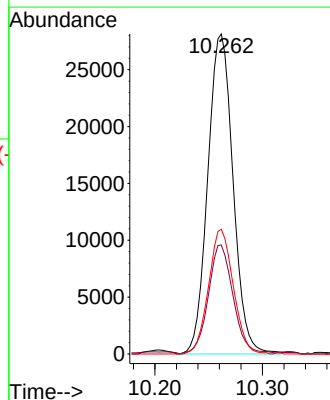
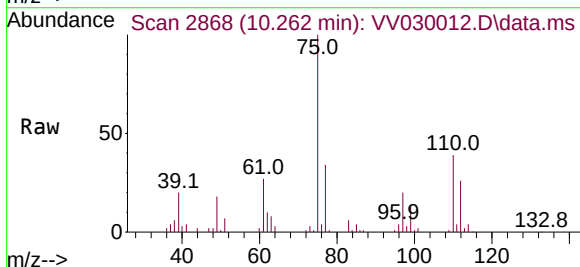
Instrument :
MSVOA_V
ClientSampleId :
VSTD005399

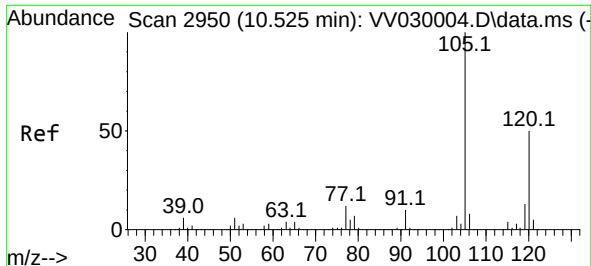
Tgt Ion:105 Resp: 388563
Ion Ratio Lower Upper
105 100
120 26.9 21.2 31.8
77 14.8 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 5.188 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. 0.000 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

Tgt Ion: 75 Resp: 45988
Ion Ratio Lower Upper
75 100
77 33.5 26.5 39.7
110 38.1 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 4.684 ug/L

RT: 10.525 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VV030012.D

Acq: 31 Jan 2023 16:17

Instrument :

MSVOA_V

ClientSampleId :

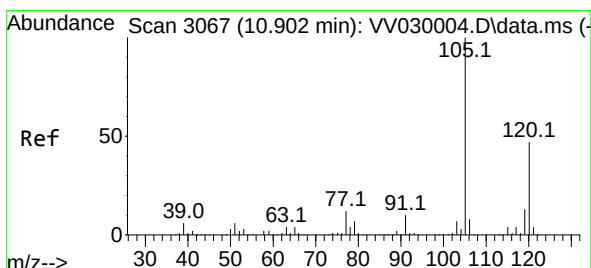
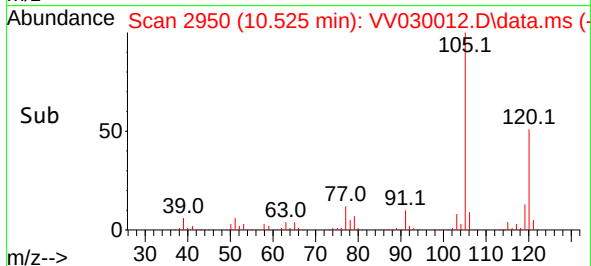
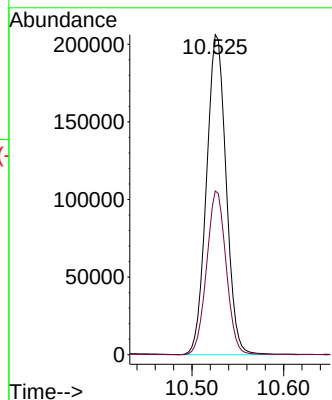
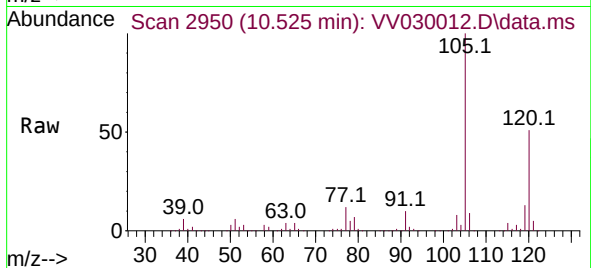
VSTD005399

Tgt Ion:105 Resp: 307182

Ion Ratio Lower Upper

105 100

120 50.9 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 4.788 ug/L

RT: 10.902 min Scan# 3067

Delta R.T. 0.000 min

Lab File: VV030012.D

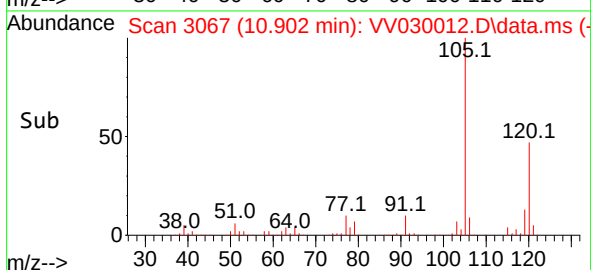
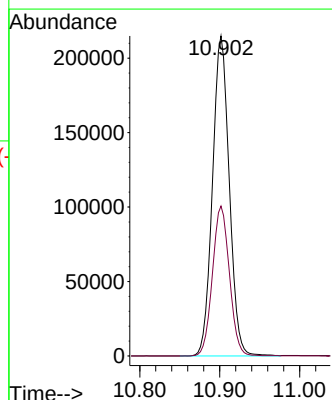
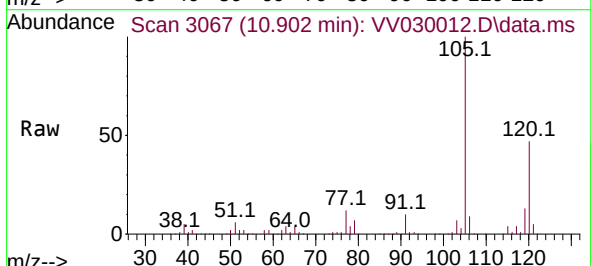
Acq: 31 Jan 2023 16:17

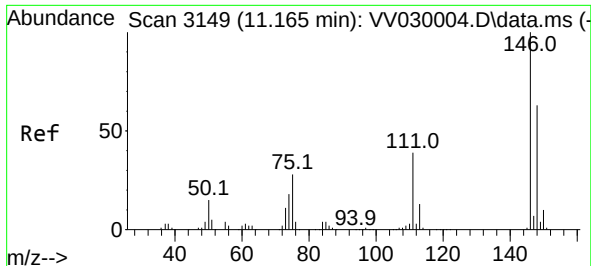
Tgt Ion:105 Resp: 313091

Ion Ratio Lower Upper

105 100

120 47.3 37.4 56.0

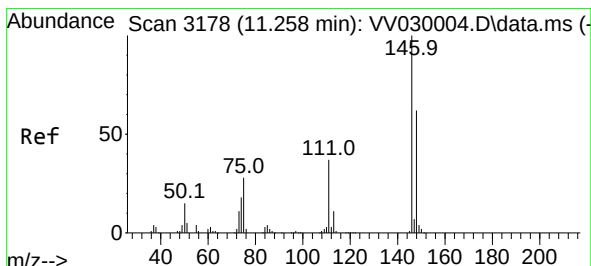
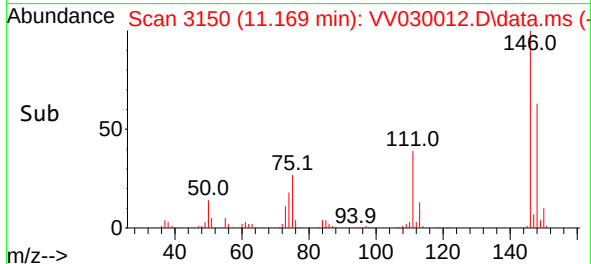
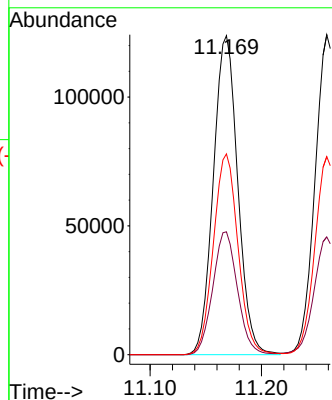
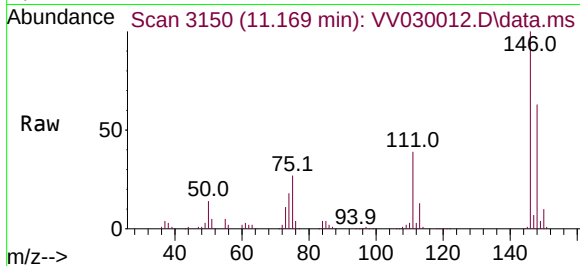




#64
1,3-Dichlorobenzene
Concen: 4.861 ug/L
RT: 11.169 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

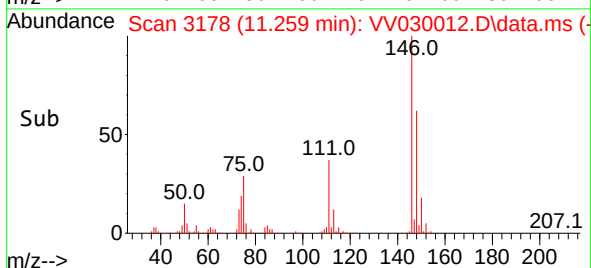
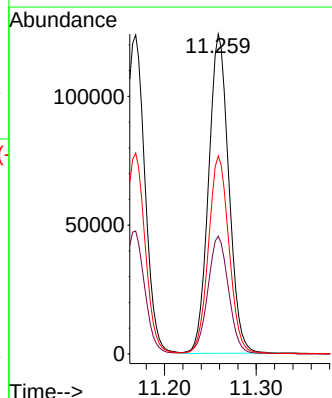
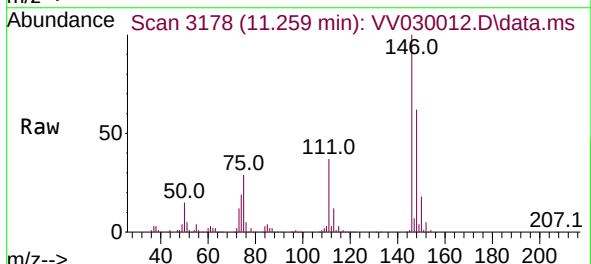
Instrument :
MSVOA_V
ClientSampleId :
VSTD005399

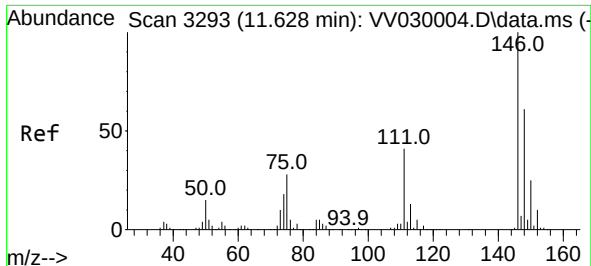
Tgt Ion:146 Resp: 188888
Ion Ratio Lower Upper
146 100
111 38.5 27.2 50.6
148 63.0 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 4.901 ug/L
RT: 11.259 min Scan# 3178
Delta R.T. 0.000 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

Tgt Ion:146 Resp: 189846
Ion Ratio Lower Upper
146 100
111 36.8 26.5 49.1
148 61.9 45.8 85.2





#67

1,2-Dichlorobenzene

Concen: 4.937 ug/L

RT: 11.628 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV030012.D

Acq: 31 Jan 2023 16:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD005399

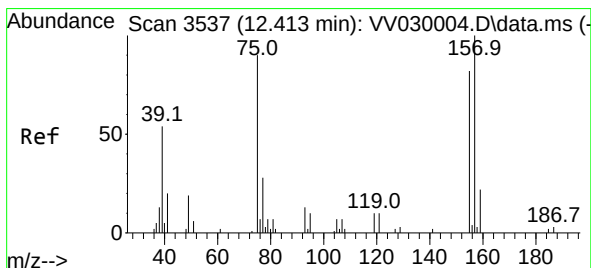
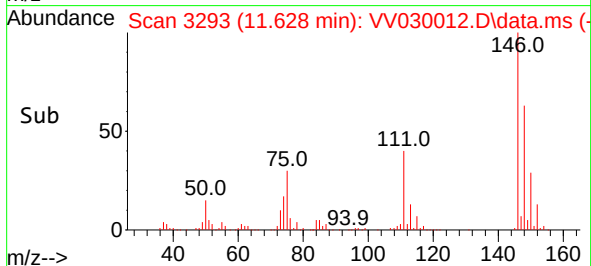
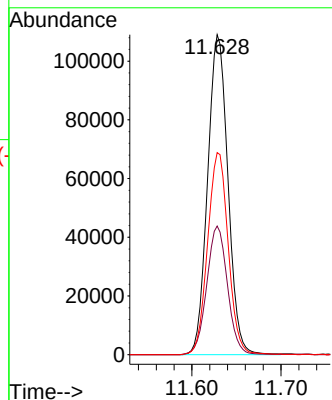
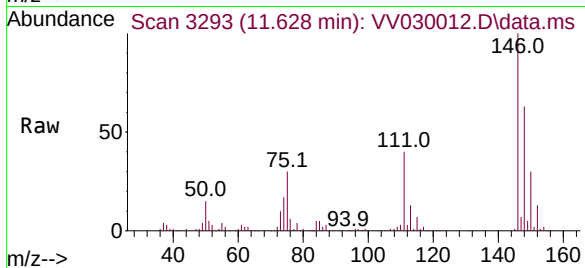
Tgt Ion:146 Resp: 172450

Ion Ratio Lower Upper

146 100

111 40.2 31.8 47.8

148 63.1 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 4.613 ug/L

RT: 12.413 min Scan# 3537

Delta R.T. 0.000 min

Lab File: VV030012.D

Acq: 31 Jan 2023 16:17

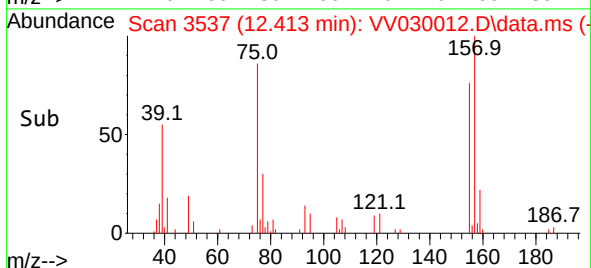
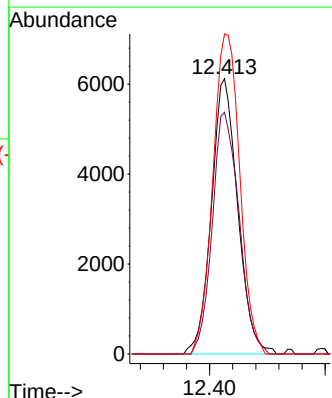
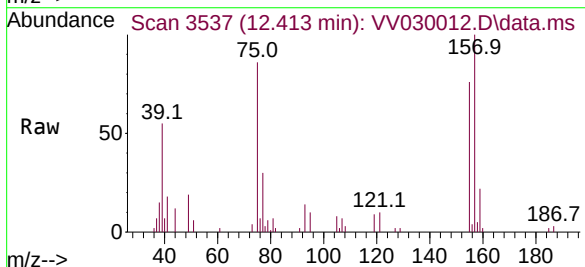
Tgt Ion: 75 Resp: 9670

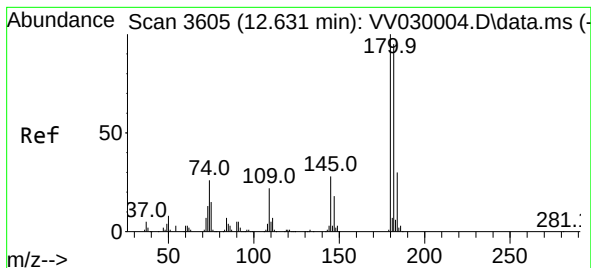
Ion Ratio Lower Upper

75 100

155 87.8 75.5 113.3

157 116.2 99.2 148.8





#69

1,3,5-Trichlorobenzene

Concen: 4.837 ug/L

RT: 12.631 min Scan# 3605

Delta R.T. 0.000 min

Lab File: VV030012.D

Acq: 31 Jan 2023 16:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD005399

Tgt Ion:180 Resp: 151280

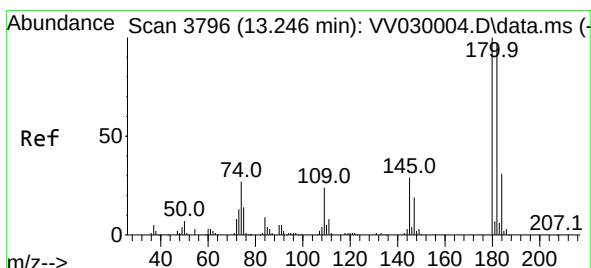
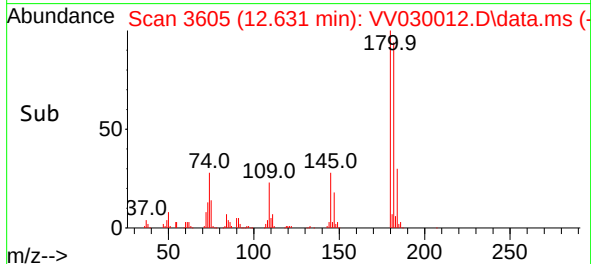
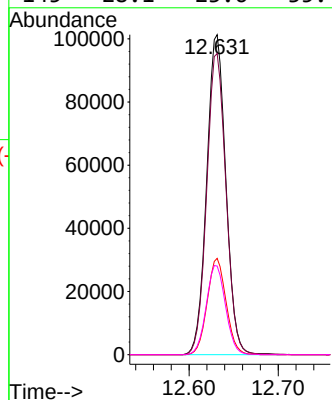
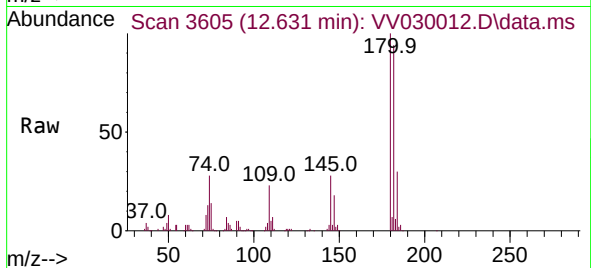
Ion Ratio Lower Upper

180 100

182 94.8 75.4 113.2

184 29.7 23.9 35.9

145 28.1 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 4.966 ug/L

RT: 13.246 min Scan# 3796

Delta R.T. 0.000 min

Lab File: VV030012.D

Acq: 31 Jan 2023 16:17

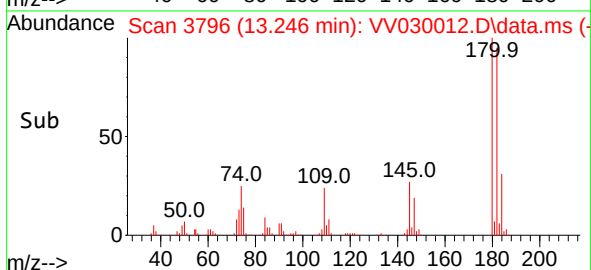
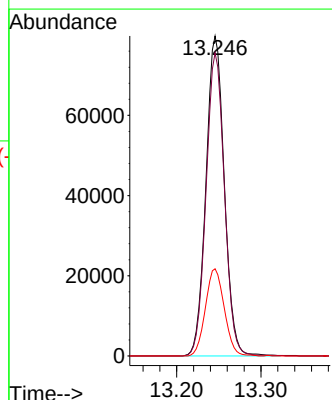
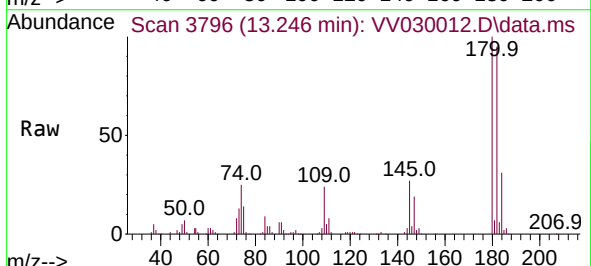
Tgt Ion:180 Resp: 121369

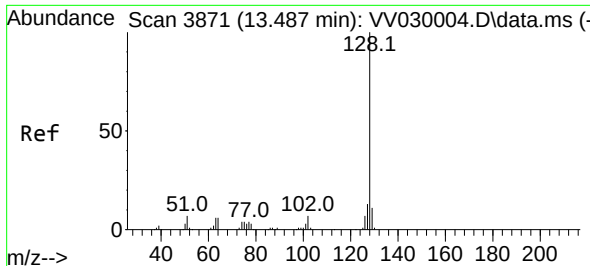
Ion Ratio Lower Upper

180 100

182 94.5 75.8 113.8

145 27.9 23.7 35.5

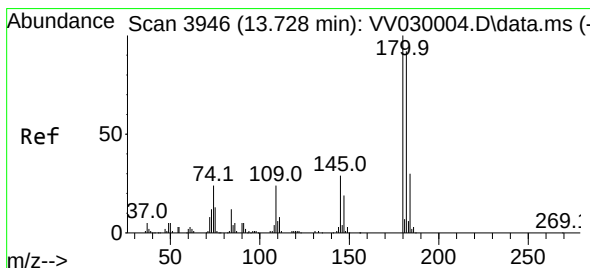
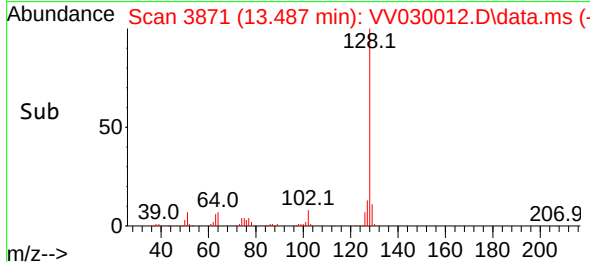
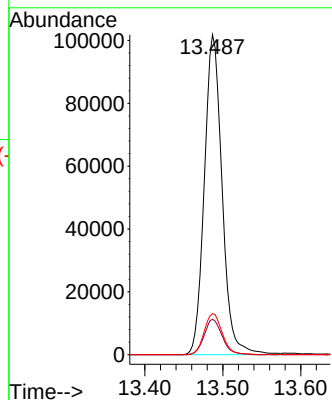
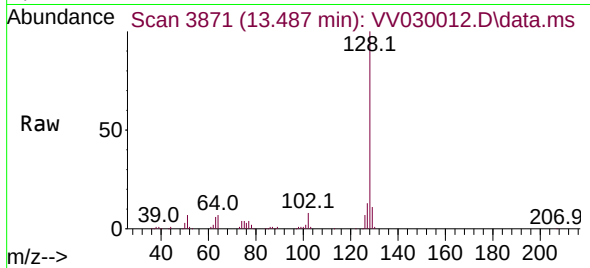




#71
Naphthalene
Concen: 5.096 ug/L
RT: 13.487 min Scan# 3871
Delta R.T. 0.000 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD005399

Tgt Ion:128 Resp: 161348
Ion Ratio Lower Upper
128 100
129 11.2 8.6 12.8
127 13.1 10.0 15.0



#72
1,2,3-Trichlorobenzene
Concen: 5.127 ug/L
RT: 13.728 min Scan# 3946
Delta R.T. 0.000 min
Lab File: VV030012.D
Acq: 31 Jan 2023 16:17

Tgt Ion:180 Resp: 104004
Ion Ratio Lower Upper
180 100
182 94.8 75.5 113.3
145 29.6 25.0 37.6

