

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV051523\
 Data File : VV031031.D
 Acq On : 15 May 2023 17:18
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005349

Quant Time: May 16 00:16:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue May 16 00:10:06 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	140028	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	135259	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	79992	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	46288	4.012	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.200%
7) Chloroethane-d5	1.535	69	43783	4.652	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.000%
11) 1,1-Dichloroethene-d2	2.063	65	24797	4.061	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.200%
20) 2-Butanone-d5	3.822	46	106049	51.837	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.680%
24) Chloroform-d	4.259	84	109123	4.759	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
26) 1,2-Dichloroethane-d4	4.953	65	56733	4.867	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.400%
32) Benzene-d6	4.969	84	183492	4.628	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.600%
36) 1,2-Dichloropropane-d6	5.998	67	52429	4.548	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.000%
41) Toluene-d8	7.249	98	179446	4.753	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
43) trans-1,3-Dichloroprop...	7.561	79	20549	4.755	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.000%
46) 2-Hexanone-d5	8.034	63	77584	51.241	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.480%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	44019	5.268	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.400%
66) 1,2-Dichlorobenzene-d4	11.567	152	67322	4.515	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	45878	4.147	ug/L	100
3) Chloromethane	1.217	50	50687	3.904	ug/L	100
5) Vinyl chloride	1.285	62	47873	4.406	ug/L	100
6) Bromomethane	1.490	94	20974	4.053	ug/L	94
8) Chloroethane	1.555	64	28460	4.303	ug/L	93
9) Trichlorofluoromethane	1.719	101	92586	4.619	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	46909	4.584	ug/L	97
12) 1,1-Dichloroethene	2.072	96	41318	4.384	ug/L	100
13) Acetone	2.146	43	73225	41.902	ug/L	86
14) Carbon disulfide	2.246	76	88114	3.574	ug/L	99
15) Methyl Acetate	2.394	43	13666	3.844	ug/L #	81
16) Methylene chloride	2.455	84	41978	3.938	ug/L	99
17) Methyl tert-butyl Ether	2.712	73	90399	5.039	ug/L	98
18) trans-1,2-Dichloroethene	2.699	96	37475	4.354	ug/L	99
19) 1,1-Dichloroethane	3.121	63	79254	4.768	ug/L	100
21) 2-Butanone	3.902	43	88490	46.042	ug/L	91
22) cis-1,2-Dichloroethene	3.825	96	41526	4.572	ug/L	95
23) Bromochloromethane	4.159	128	20772	4.858	ug/L	97
25) Chloroform	4.285	83	90079	5.051	ug/L	99

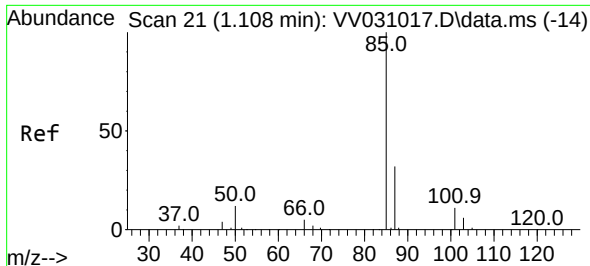
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV051523\
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 ALS Vial : 17 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Time: May 16 00:16:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue May 16 00:10:06 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	57047	5.097	ug/L	99
29) 1,1,1-Trichloroethane	4.519	97	81289	4.783	ug/L	98
30) Cyclohexane	4.593	56	51360	4.001	ug/L	99
31) Carbon tetrachloride	4.744	117	73960	4.845	ug/L	99
33) Benzene	5.021	78	161580	4.749	ug/L	100
34) Trichloroethene	5.841	95	46068	5.080	ug/L	98
35) Methylcyclohexane	6.059	83	57505	4.091	ug/L	98
37) 1,2-Dichloropropane	6.101	63	40256	4.988	ug/L #	96
38) Bromodichloromethane	6.439	83	60661	5.136	ug/L	96
39) cis-1,3-Dichloropropene	6.963	75	58725	4.858	ug/L	97
40) 4-Methyl-2-pentanone	7.169	43	239270	57.223	ug/L	97
42) Toluene	7.323	91	182646	4.986	ug/L	98
44) trans-1,3-Dichloropropene	7.590	75	50090	4.864	ug/L	97
45) 1,1,2-Trichloroethane	7.776	97	31208	5.212	ug/L	96
47) Tetrachloroethene	7.911	164	38569	4.458	ug/L	95
48) 2-Hexanone	8.085	43	184797	57.622	ug/L	99
49) Dibromochloromethane	8.185	129	41610	5.524	ug/L	96
50) 1,2-Dibromoethane	8.291	107	29043	5.438	ug/L #	98
51) Chlorobenzene	8.821	112	116529	4.692	ug/L	100
52) Ethylbenzene	8.953	91	186010	4.658	ug/L	97
53) m,p-Xylene	9.079	106	72452	4.546	ug/L	95
54) o-Xylene	9.484	106	71698	4.727	ug/L	97
55) Styrene	9.503	104	121626	4.752	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	37045	5.535	ug/L	99
59) Bromoform	9.673	173	25241	5.361	ug/L	99
60) Isopropylbenzene	9.873	105	192905	4.473	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	25534	5.081	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	153710	4.378	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	152064	4.275	ug/L	98
64) 1,3-Dichlorobenzene	11.124	146	101789	4.596	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	100797	4.511	ug/L	96
67) 1,2-Dichlorobenzene	11.587	146	93918	4.716	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.371	75	5966	4.678	ug/L #	91
69) 1,3,5-Trichlorobenzene	12.590	180	75294	4.293	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	56823	4.216	ug/L	99
71) Naphthalene	13.448	128	72858	3.770	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	49306	4.322	ug/L	99

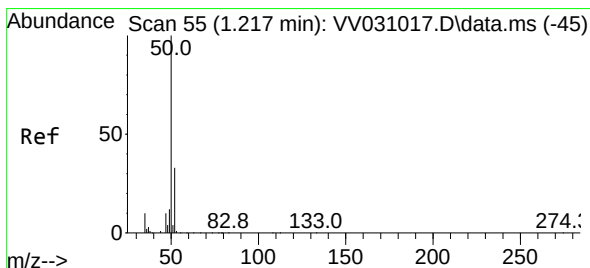
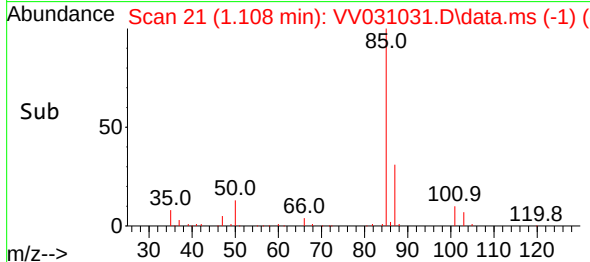
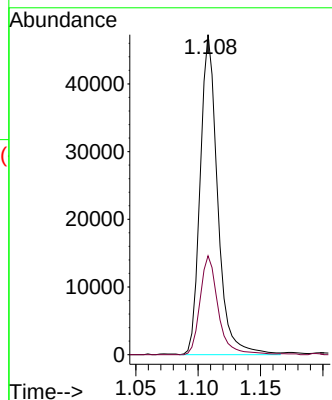
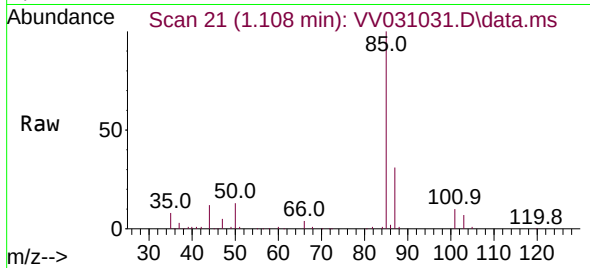
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.147 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV031031.D
 Acq: 15 May 2023 17:18

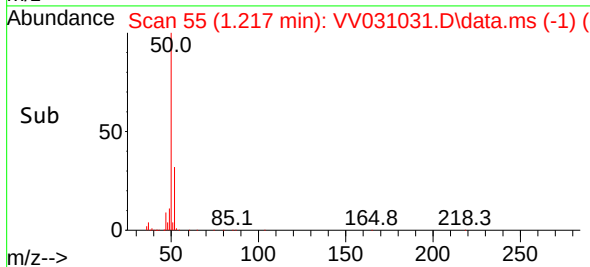
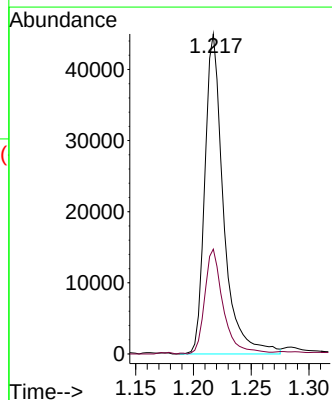
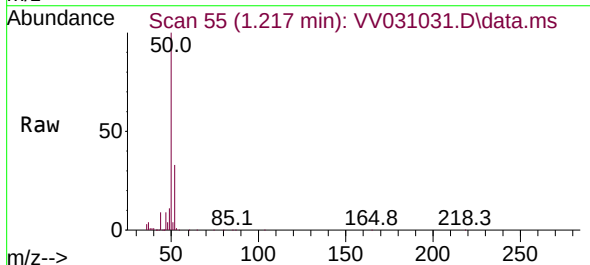
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005349

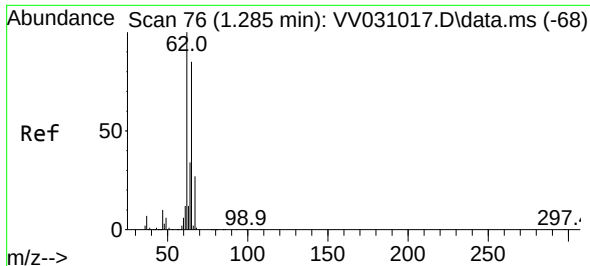
Tgt Ion: 85 Resp: 45878
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.8 38.6



#3
 Chloromethane
 Concen: 3.904 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031031.D
 Acq: 15 May 2023 17:18

Tgt Ion: 50 Resp: 50687
 Ion Ratio Lower Upper
 50 100
 52 32.7 22.8 42.4

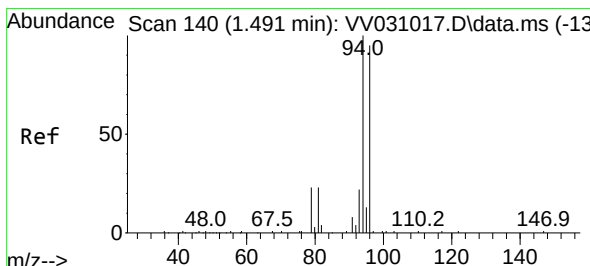
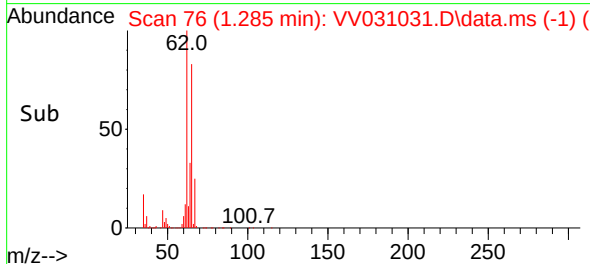
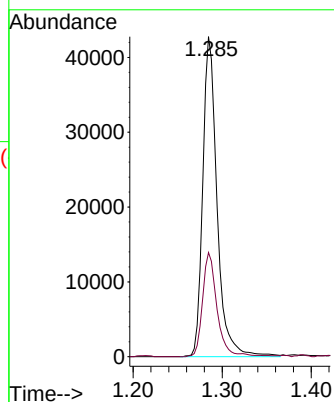
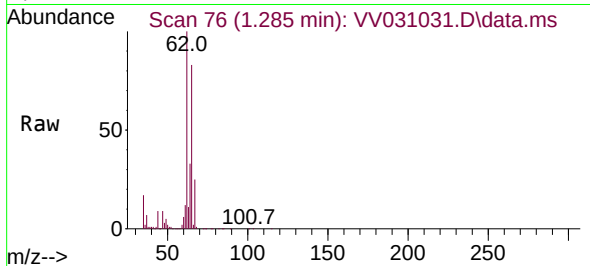




#5
 Vinyl chloride
 Concen: 4.406 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV031031.D
 Acq: 15 May 2023 17:18

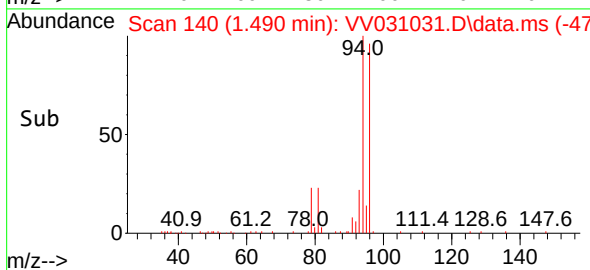
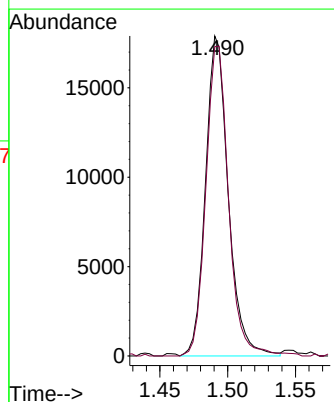
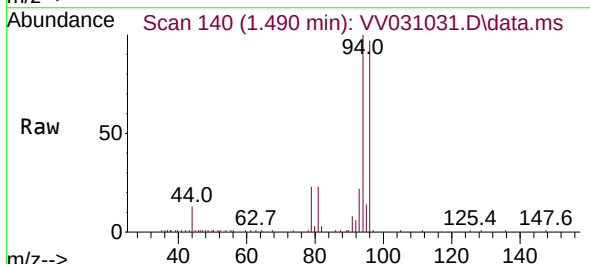
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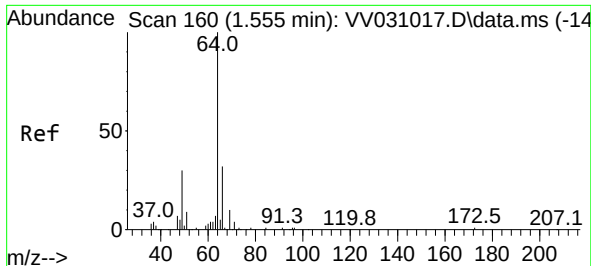
Tgt Ion: 62 Resp: 47873
 Ion Ratio Lower Upper
 62 100
 64 32.6 22.8 42.4



#6
 Bromomethane
 Concen: 4.053 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV031031.D
 Acq: 15 May 2023 17:18

Tgt Ion: 94 Resp: 20974
 Ion Ratio Lower Upper
 94 100
 96 96.6 63.4 117.8

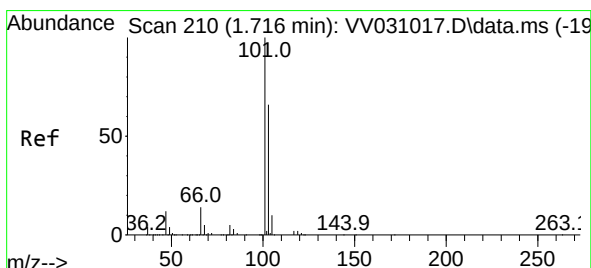
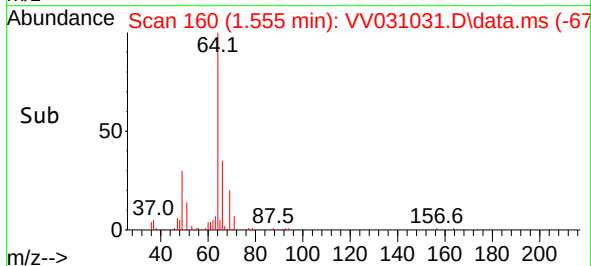
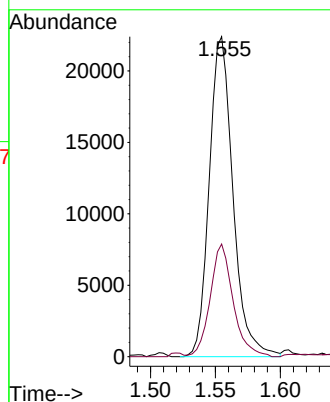
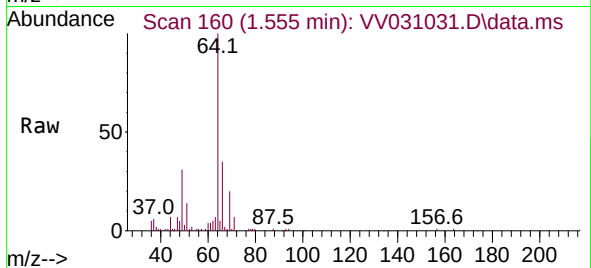




#8
Chloroethane
Concen: 4.303 ug/L
RT: 1.555 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

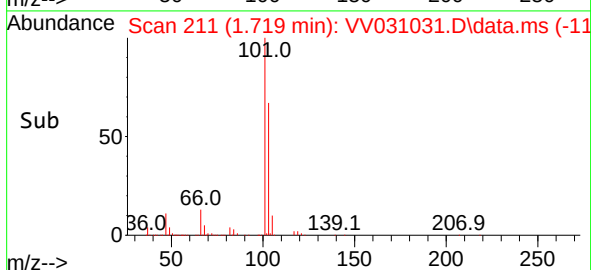
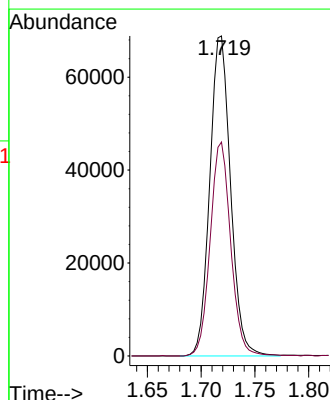
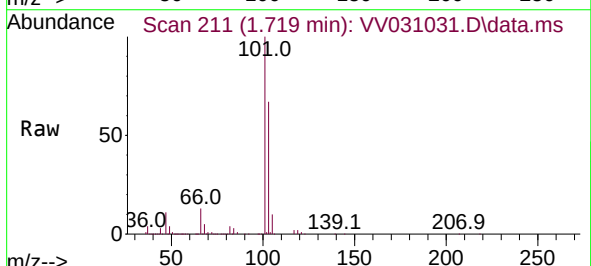
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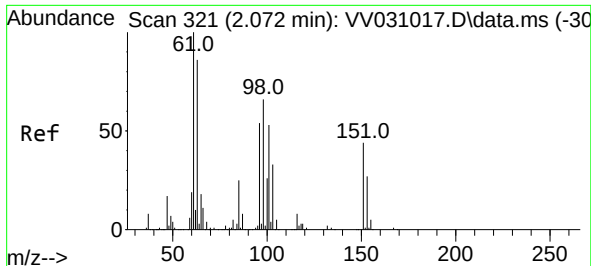
Tgt Ion: 64 Resp: 28460
Ion Ratio Lower Upper
64 100
66 35.2 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.619 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

Tgt Ion: 101 Resp: 92586
Ion Ratio Lower Upper
101 100
103 66.1 51.8 77.8

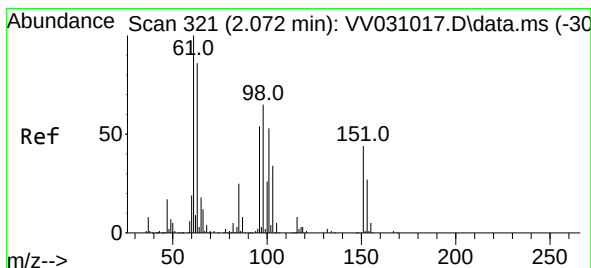
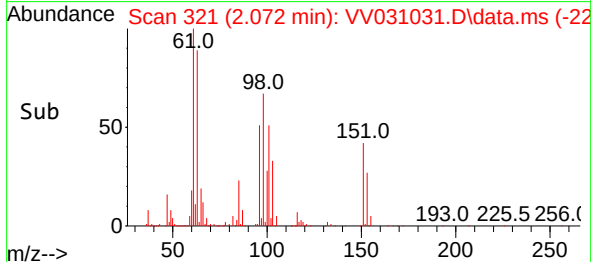
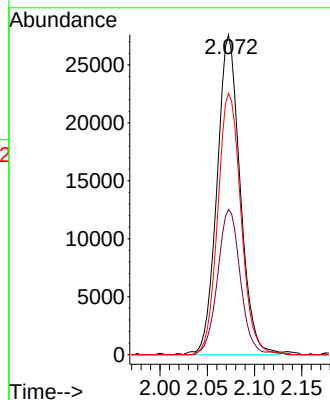
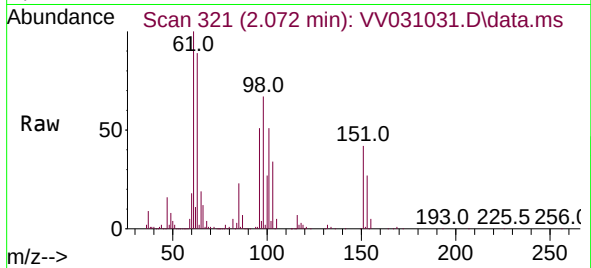




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.584 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV031031.D
 Acq: 15 May 2023 17:18

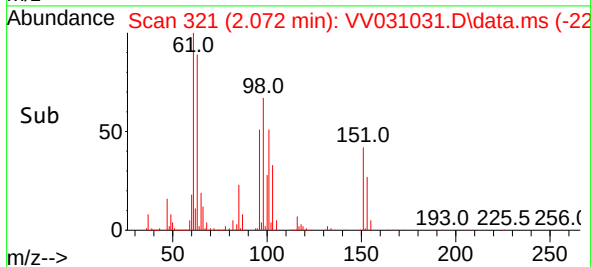
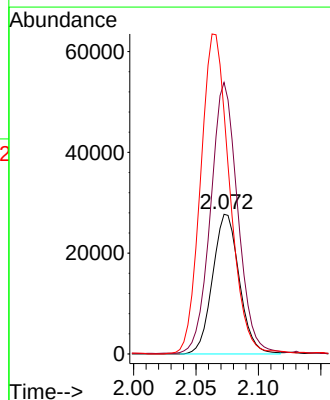
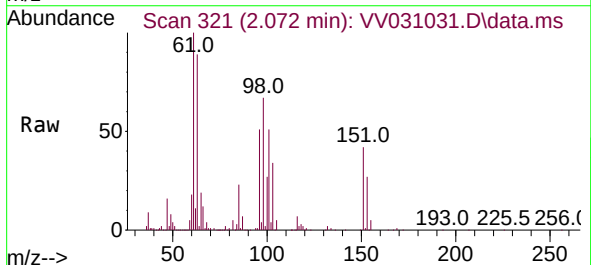
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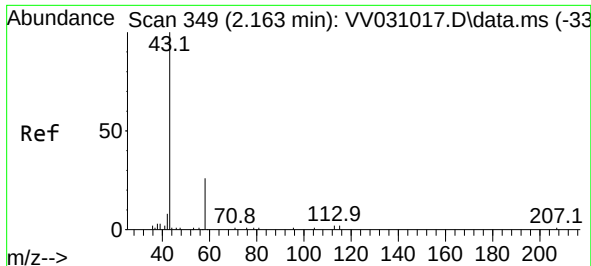
Tgt Ion:101 Resp: 46909
 Ion Ratio Lower Upper
 101 100
 85 44.6 38.7 58.1
 151 82.2 65.1 97.7



#12
 1,1-Dichloroethene
 Concen: 4.384 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV031031.D
 Acq: 15 May 2023 17:18

Tgt Ion: 96 Resp: 41318
 Ion Ratio Lower Upper
 96 100
 61 194.4 135.6 251.8
 63 173.1 121.1 224.9





#13

Acetone

Concen: 41.902 ug/L

RT: 2.146 min Scan# 349

Delta R.T. -0.016 min

Lab File: VV031031.D

Acq: 15 May 2023 17:18

Instrument :

MSVOA_V

ClientSampleId :

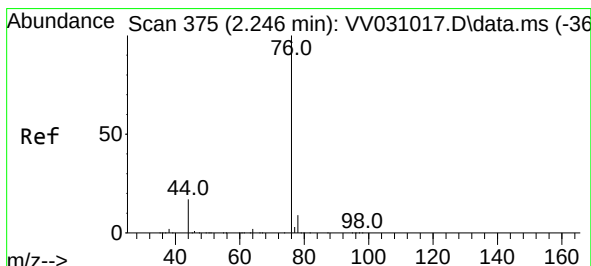
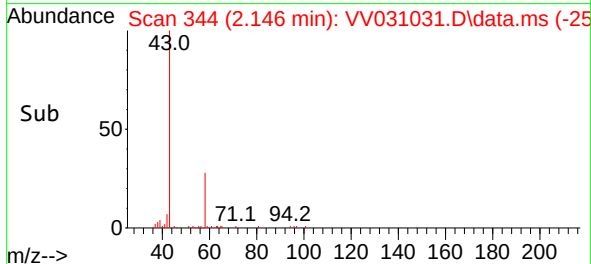
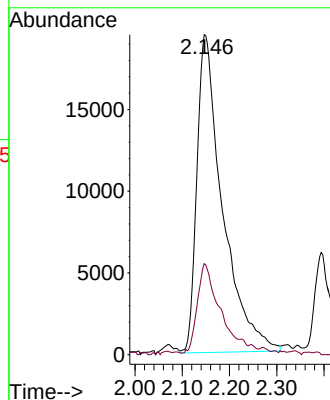
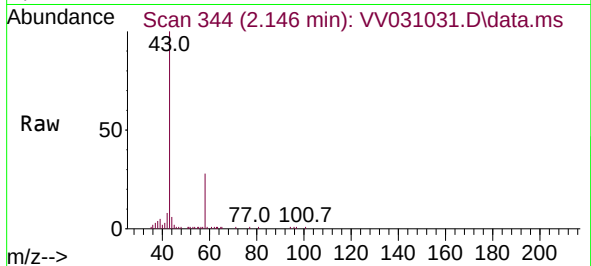
VSTD005349

Tgt Ion: 43 Resp: 73225

Ion Ratio Lower Upper

43 100

58 24.7 0.0 37.0



#14

Carbon disulfide

Concen: 3.574 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV031031.D

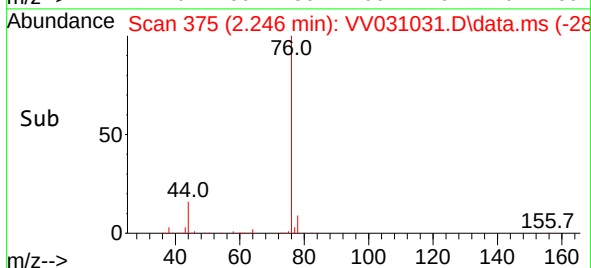
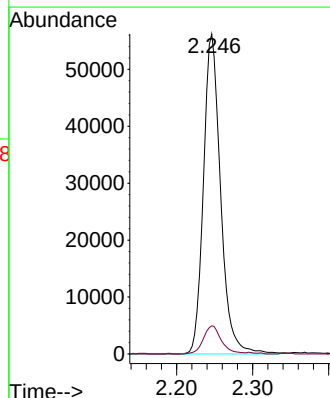
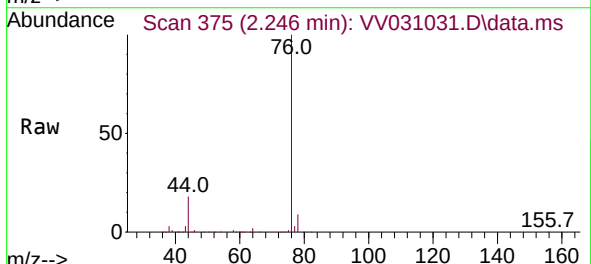
Acq: 15 May 2023 17:18

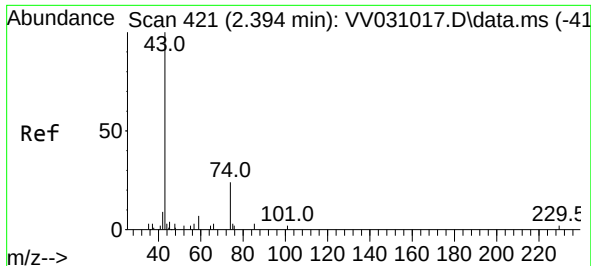
Tgt Ion: 76 Resp: 88114

Ion Ratio Lower Upper

76 100

78 8.8 6.8 10.2

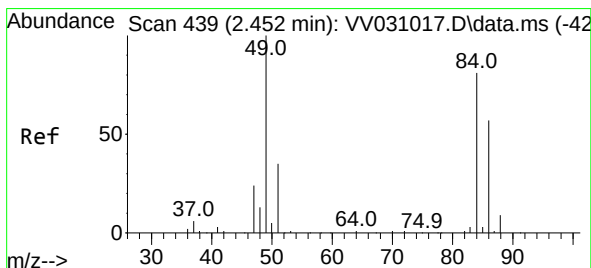
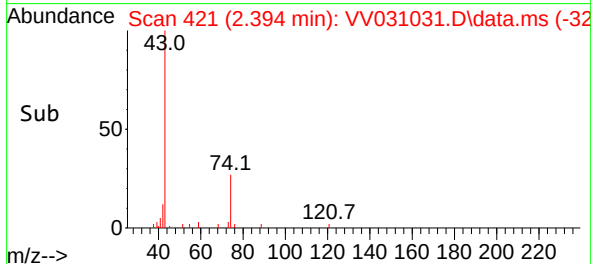
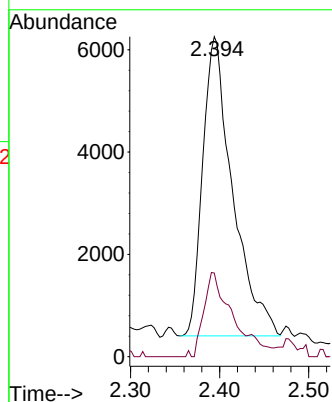
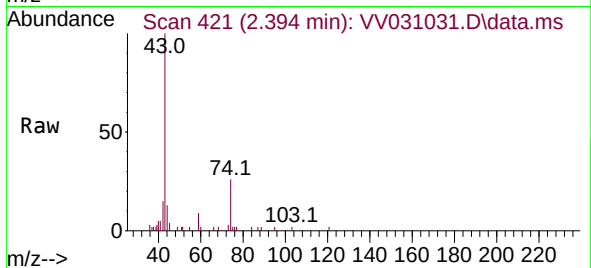




#15
Methyl Acetate
Concen: 3.844 ug/L
RT: 2.394 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

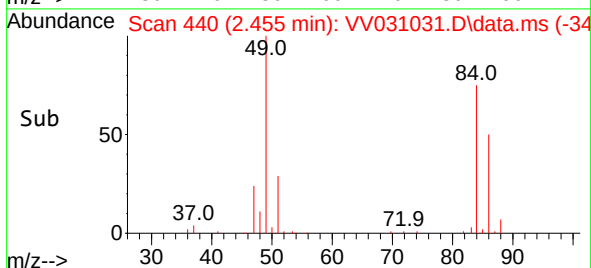
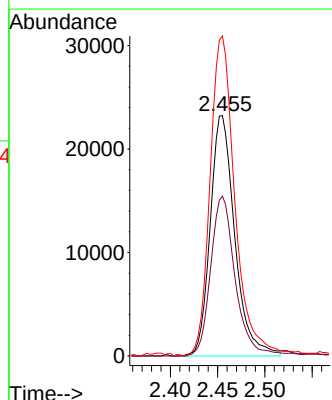
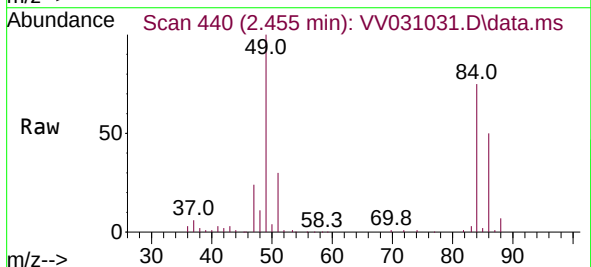
Instrument :
MSVOA_V
ClientSampleId :
VSTD005349

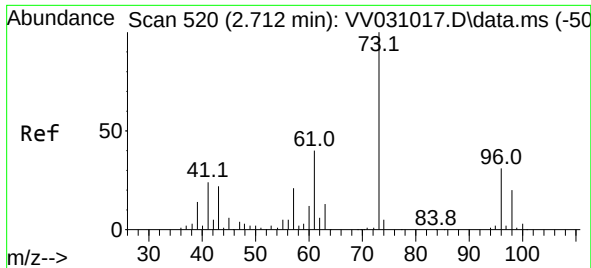
Tgt Ion: 43 Resp: 13666
Ion Ratio Lower Upper
43 100
74 27.5 15.0 22.6#



#16
Methylene chloride
Concen: 3.938 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

Tgt Ion: 84 Resp: 41978
Ion Ratio Lower Upper
84 100
86 66.6 46.1 85.5
49 133.2 94.3 175.1

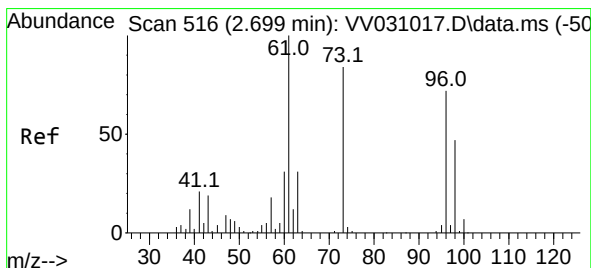
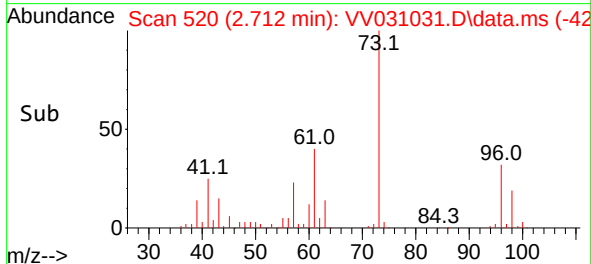
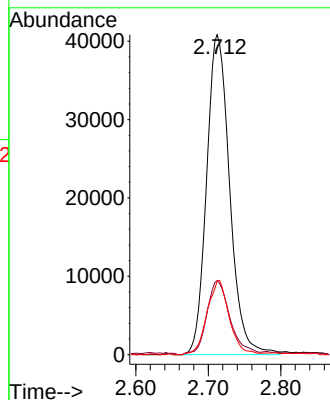
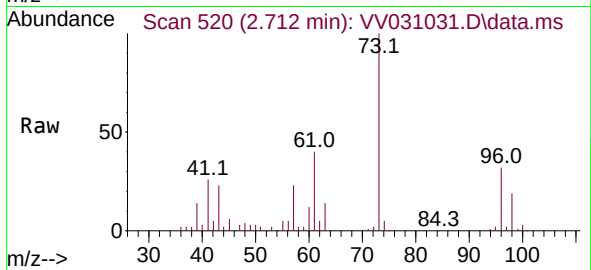




#17
Methyl tert-butyl Ether
Concen: 5.039 ug/L
RT: 2.712 min Scan# 516
Delta R.T. -0.000 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

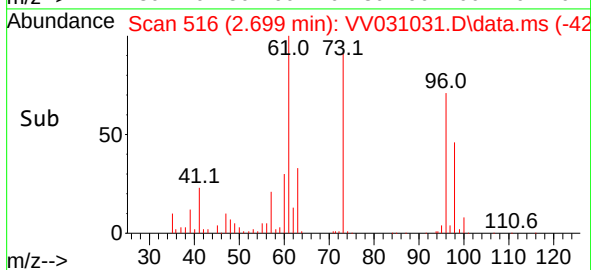
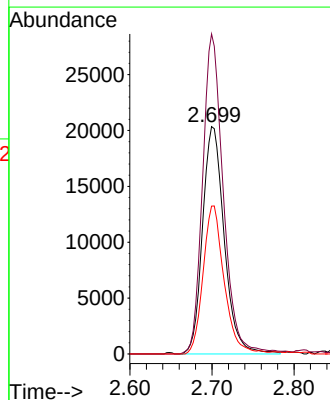
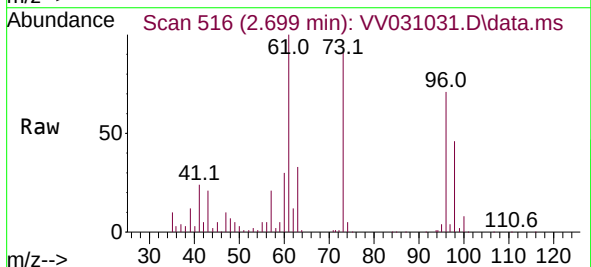
Instrument :
MSVOA_V
ClientSampleId :
VSTD005349

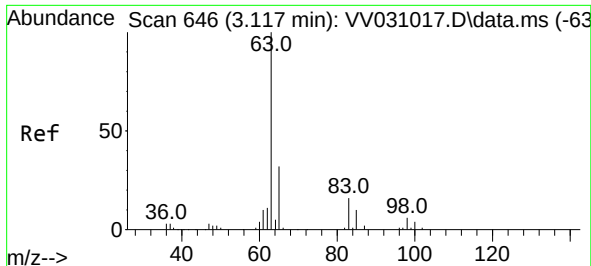
Tgt Ion: 73	Resp: 90399
Ion Ratio	Lower Upper
73 100	
43 23.2	19.9 29.9
57 22.2	18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 4.354 ug/L
RT: 2.699 min Scan# 516
Delta R.T. -0.000 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

Tgt Ion: 96	Resp: 37475
Ion Ratio	Lower Upper
96 100	
61 140.8	98.9 183.7
98 65.0	46.0 85.4

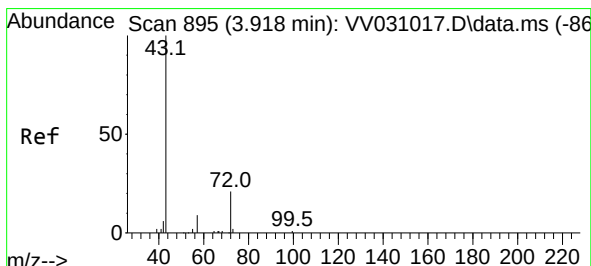
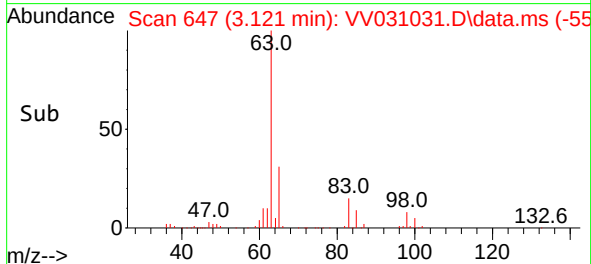
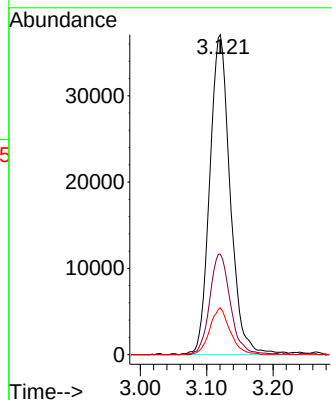
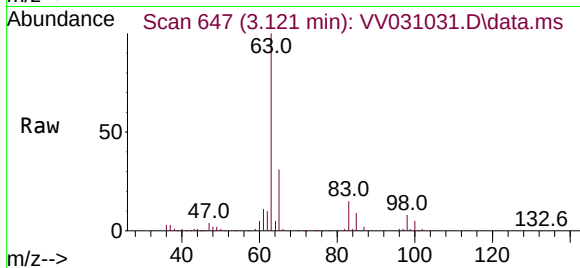




#19
1,1-Dichloroethane
Concen: 4.768 ug/L
RT: 3.121 min Scan# 646
Delta R.T. 0.003 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

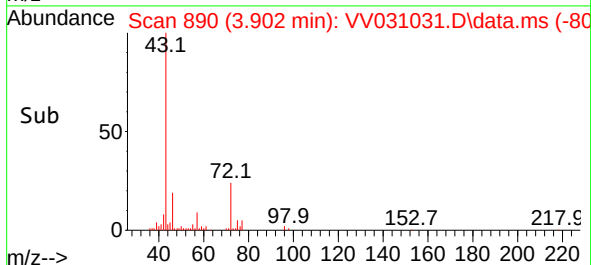
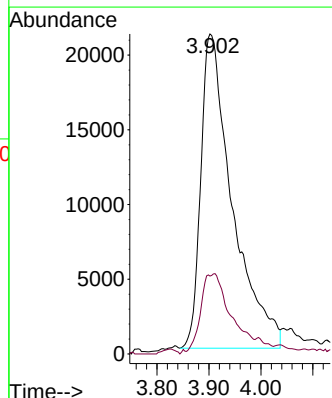
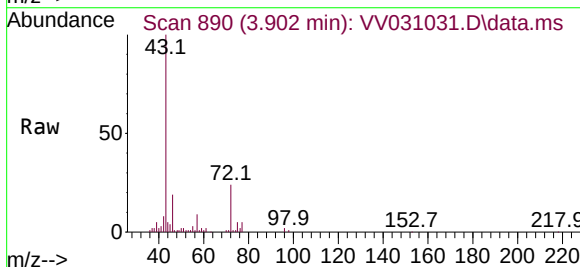
Instrument :
MSVOA_V
ClientSampleId :
VSTD005349

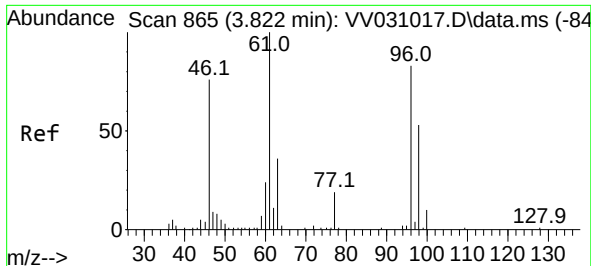
Tgt Ion:	63	Resp:	79254
Ion	Ratio	Lower	Upper
63	100		
65	31.4	21.8	40.6
83	14.7	10.2	19.0



#21
2-Butanone
Concen: 46.042 ug/L
RT: 3.902 min Scan# 890
Delta R.T. -0.016 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

Tgt Ion:	43	Resp:	88490
Ion	Ratio	Lower	Upper
43	100		
72	23.0	9.6	28.6

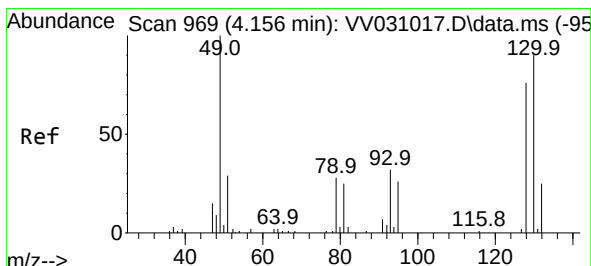
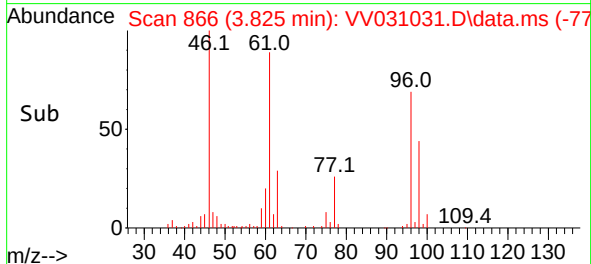
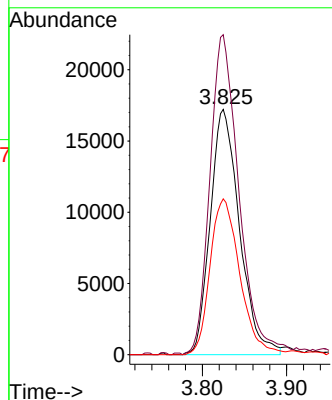
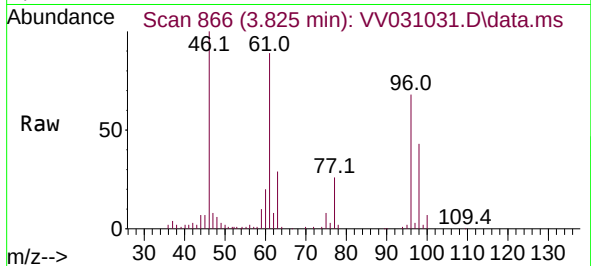




#22
cis-1,2-Dichloroethene
Concen: 4.572 ug/L
RT: 3.825 min Scan# 80
Delta R.T. 0.003 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

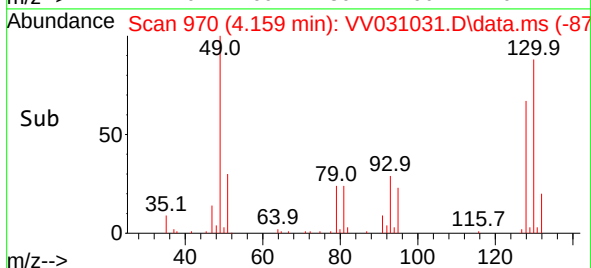
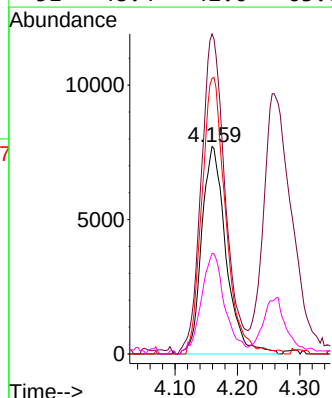
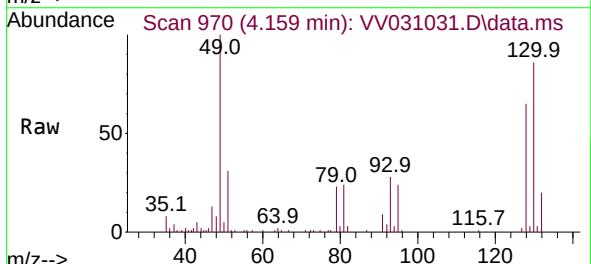
Instrument :
MSVOA_V
ClientSampleId :
VSTD005349

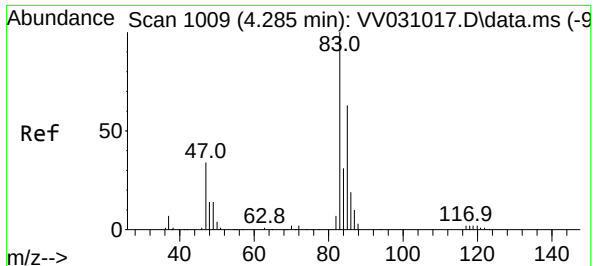
Tgt Ion: 96 Resp: 41526
Ion Ratio Lower Upper
96 100
61 130.4 86.0 159.6
98 63.5 43.2 80.2



#23
Bromochloromethane
Concen: 4.858 ug/L
RT: 4.159 min Scan# 970
Delta R.T. 0.003 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

Tgt Ion: 128 Resp: 20772
Ion Ratio Lower Upper
128 100
49 154.3 104.7 194.5
130 132.8 93.4 173.4
51 48.4 42.0 63.0





#25

Chloroform

Concen: 5.051 ug/L

RT: 4.285 min Scan# 1009

Delta R.T. -0.000 min

Lab File: VV031031.D

Acq: 15 May 2023 17:18

Instrument :

MSVOA_V

ClientSampleId :

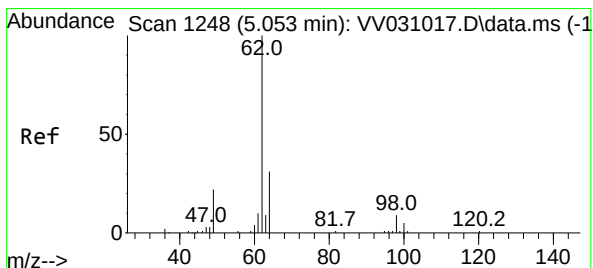
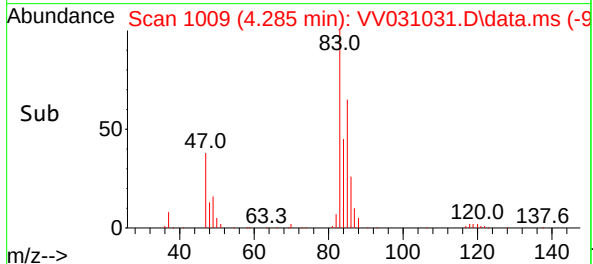
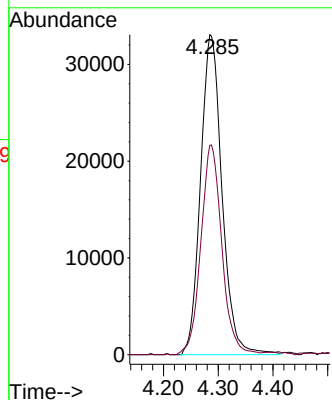
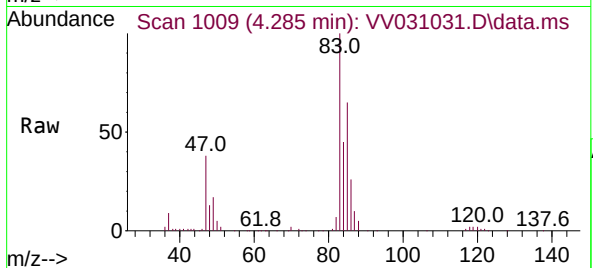
VSTD005349

Tgt Ion: 83 Resp: 90079

Ion Ratio Lower Upper

83 100

85 65.5 46.4 86.2



#27

1,2-Dichloroethane

Concen: 5.097 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. -0.000 min

Lab File: VV031031.D

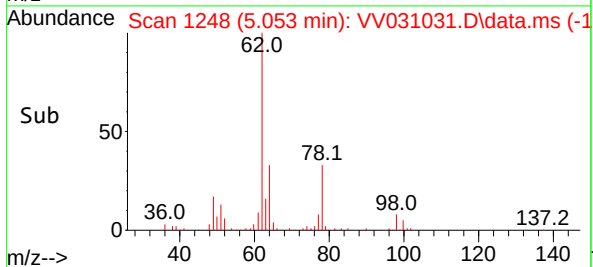
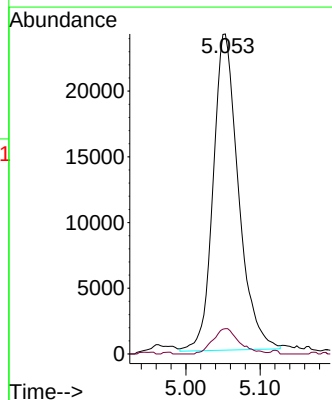
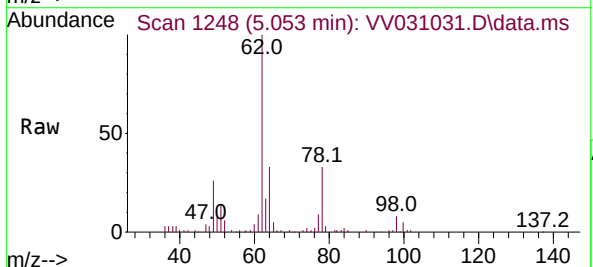
Acq: 15 May 2023 17:18

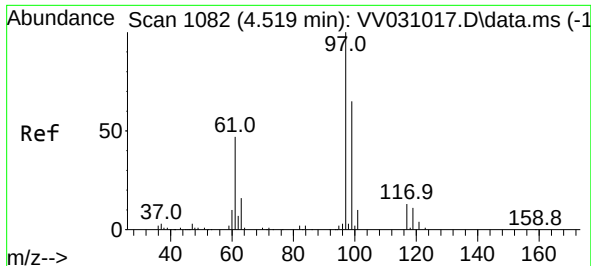
Tgt Ion: 62 Resp: 57047

Ion Ratio Lower Upper

62 100

98 7.9 6.0 9.0





#29

1,1,1-Trichloroethane

Concen: 4.783 ug/L

RT: 4.519 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VV031031.D

Acq: 15 May 2023 17:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD005349

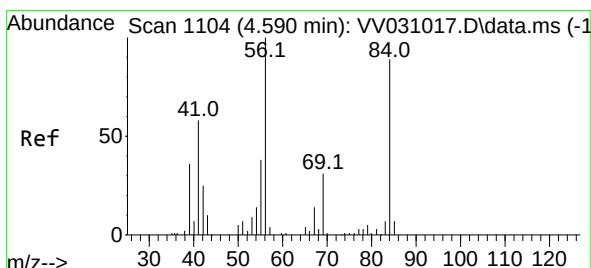
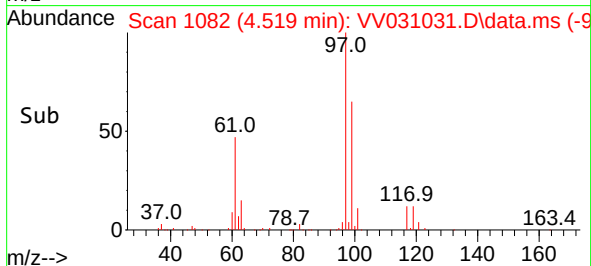
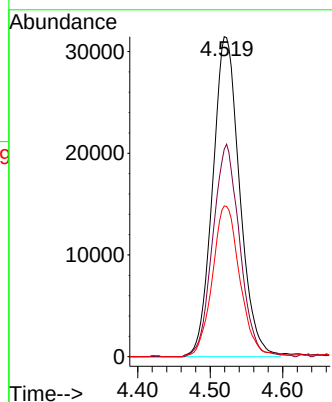
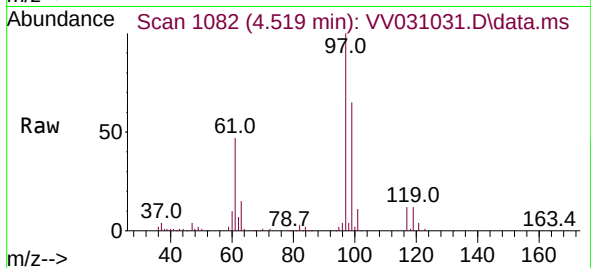
Tgt Ion: 97 Resp: 81289

Ion Ratio Lower Upper

97 100

99 66.2 51.4 77.2

61 47.8 37.4 56.0



#30

Cyclohexane

Concen: 4.001 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV031031.D

Acq: 15 May 2023 17:18

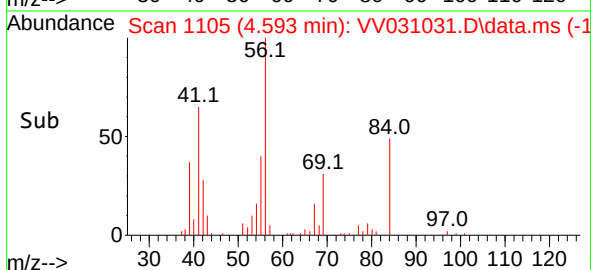
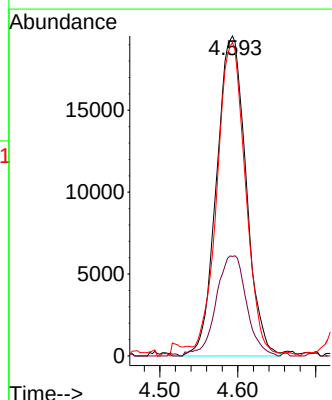
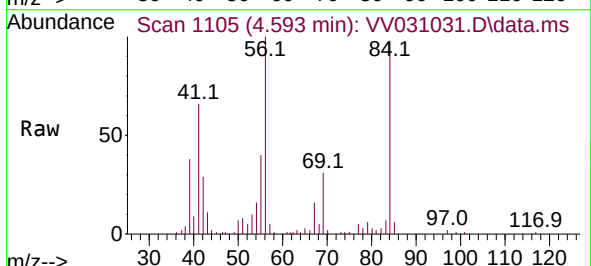
Tgt Ion: 56 Resp: 51360

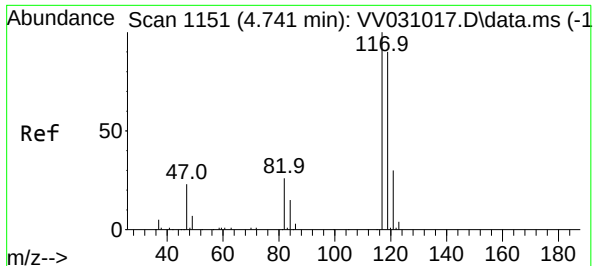
Ion Ratio Lower Upper

56 100

69 32.3 25.0 37.6

84 93.2 74.2 111.2

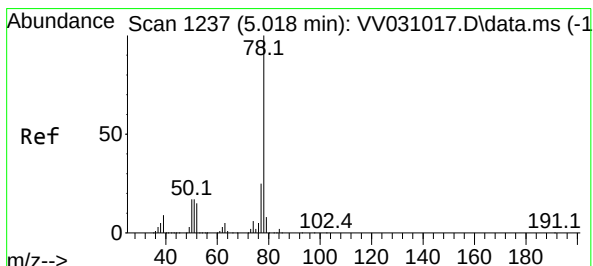
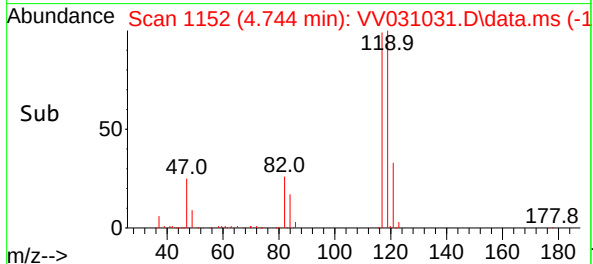
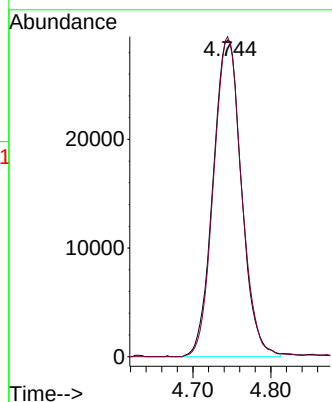
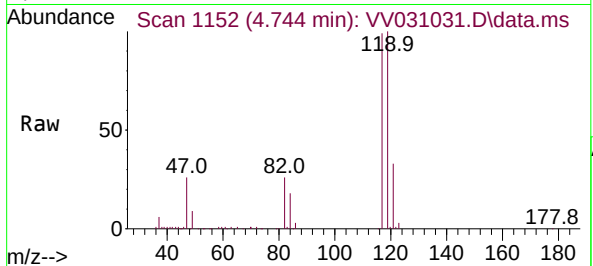




#31
Carbon tetrachloride
Concen: 4.845 ug/L
RT: 4.744 min Scan# 1151
Delta R.T. 0.003 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

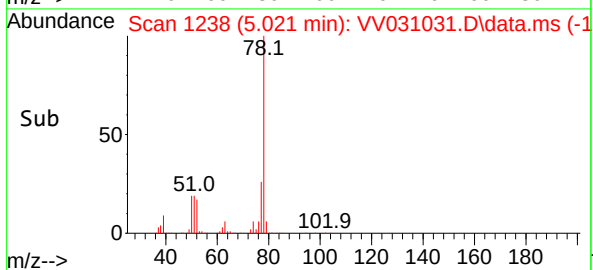
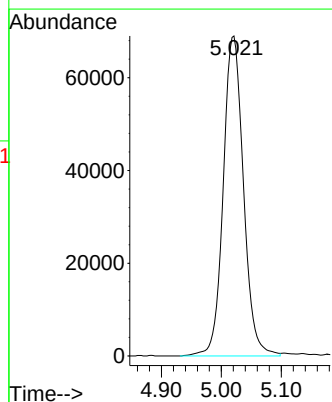
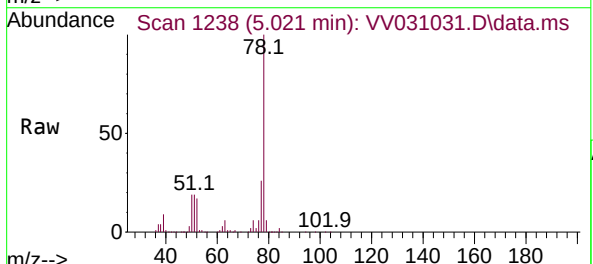
Instrument :
MSVOA_V
ClientSampleId :
VSTD005349

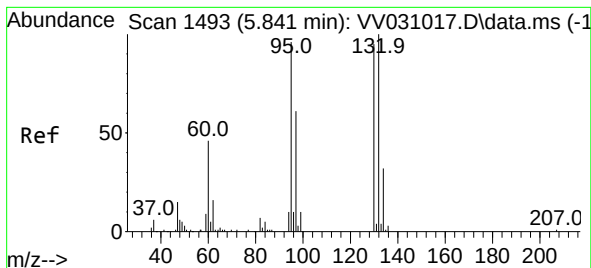
Tgt Ion:117 Resp: 73960
Ion Ratio Lower Upper
117 100
119 99.4 78.4 117.6



#33
Benzene
Concen: 4.749 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

Tgt Ion: 78 Resp: 161580





#34

Trichloroethene

Concen: 5.080 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VV031031.D

Acq: 15 May 2023 17:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD005349

Tgt Ion: 95 Resp: 46068

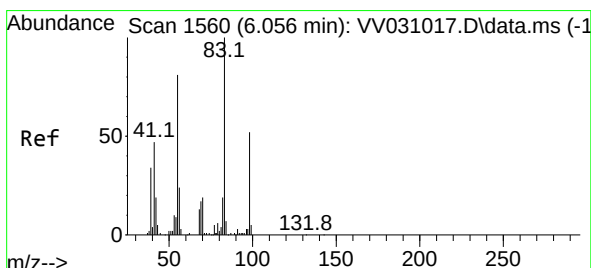
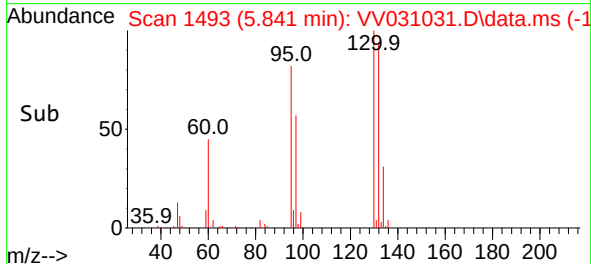
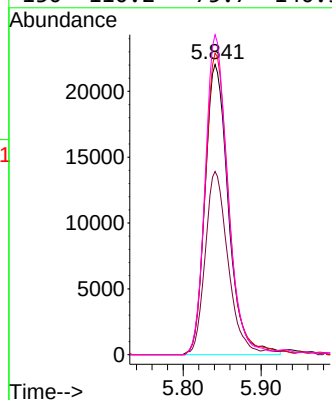
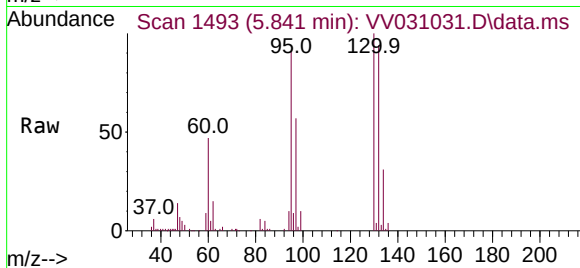
Ion Ratio Lower Upper

95 100

97 63.1 46.2 85.8

132 103.9 72.7 135.1

130 110.2 75.7 140.5



#35

Methylcyclohexane

Concen: 4.091 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. 0.003 min

Lab File: VV031031.D

Acq: 15 May 2023 17:18

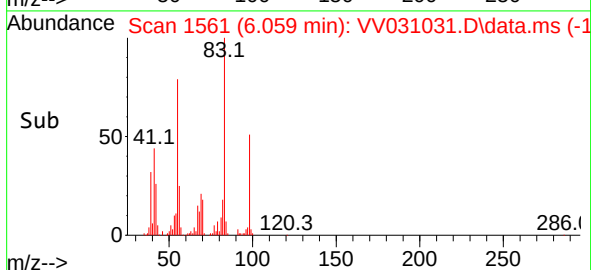
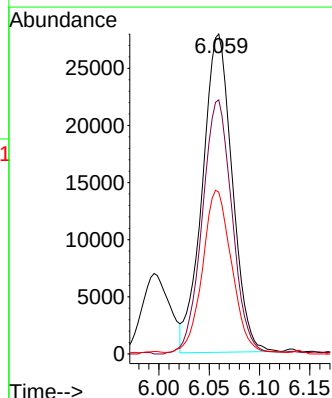
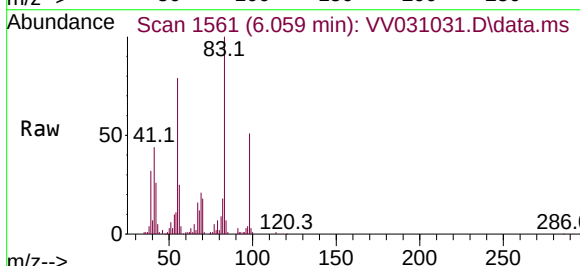
Tgt Ion: 83 Resp: 57505

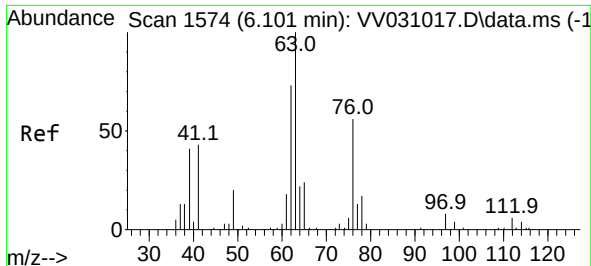
Ion Ratio Lower Upper

83 100

55 80.2 62.9 94.3

98 49.6 40.5 60.7





#37

1,2-Dichloropropane

Concen: 4.988 ug/L

RT: 6.101 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV031031.D

Acq: 15 May 2023 17:18

Instrument :

MSVOA_V

ClientSampleId :

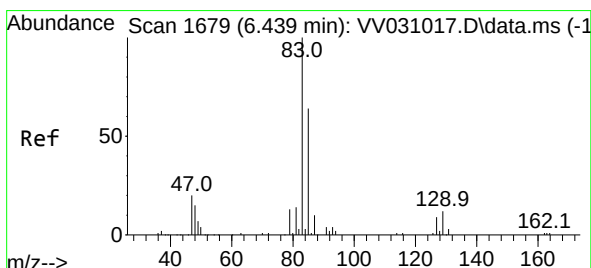
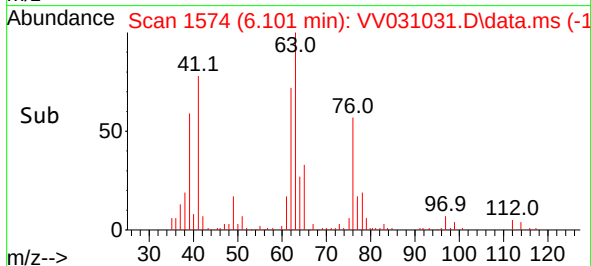
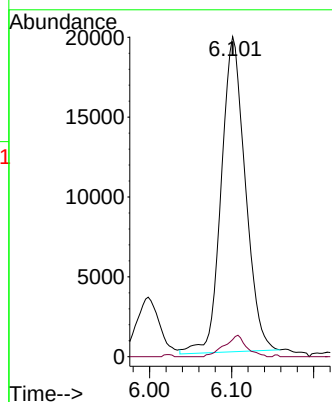
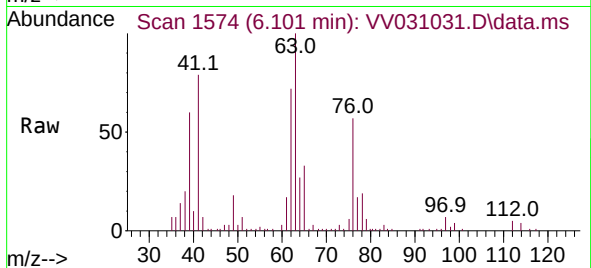
VSTD005349

Tgt Ion: 63 Resp: 40256

Ion Ratio Lower Upper

63 100

112 6.2 3.8 5.8#



#38

Bromodichloromethane

Concen: 5.136 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.000 min

Lab File: VV031031.D

Acq: 15 May 2023 17:18

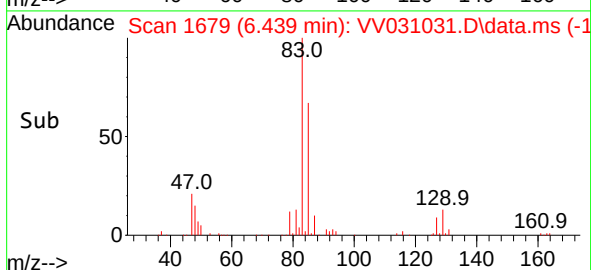
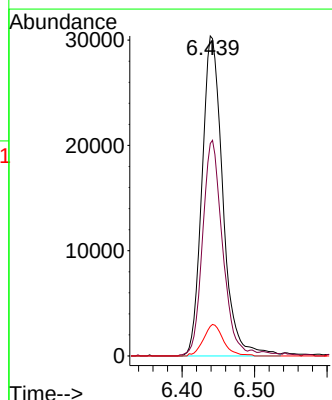
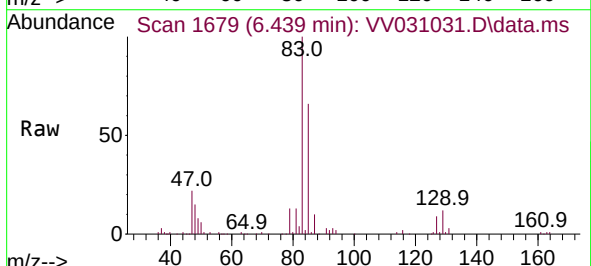
Tgt Ion: 83 Resp: 60661

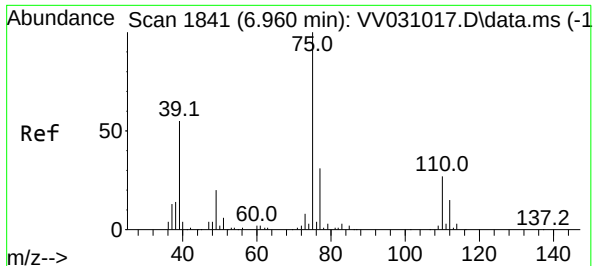
Ion Ratio Lower Upper

83 100

85 66.4 44.4 82.4

127 9.3 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.858 ug/L

RT: 6.963 min Scan# 1842

Delta R.T. 0.003 min

Lab File: VV031031.D

Acq: 15 May 2023 17:18

Instrument :

MSVOA_V

ClientSampleId :

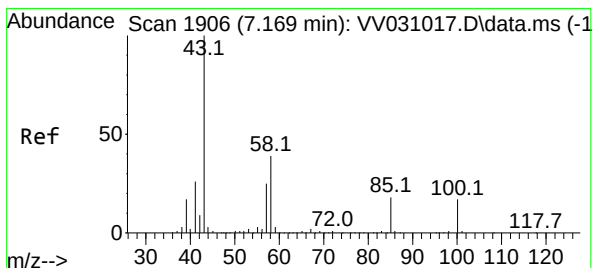
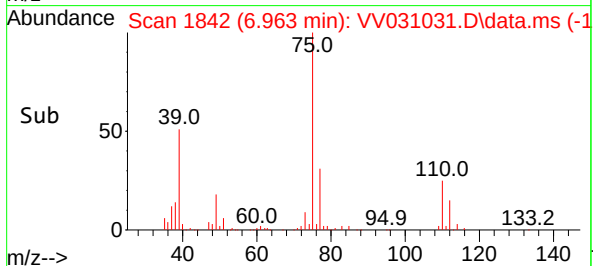
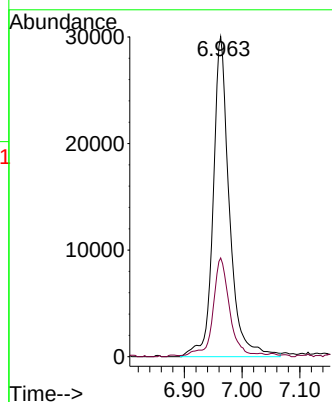
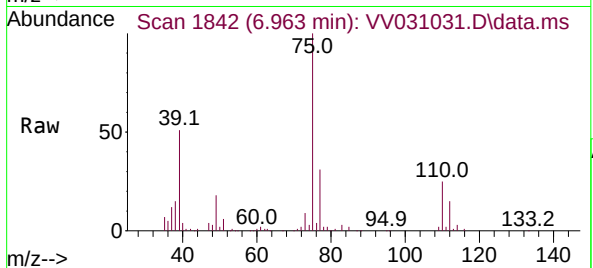
VSTD005349

Tgt Ion: 75 Resp: 58725

Ion Ratio Lower Upper

75 100

77 30.9 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 57.223 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VV031031.D

Acq: 15 May 2023 17:18

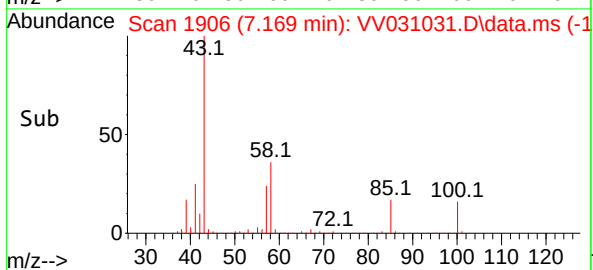
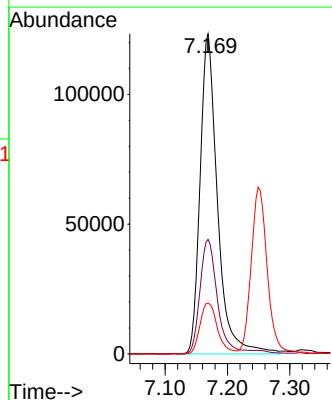
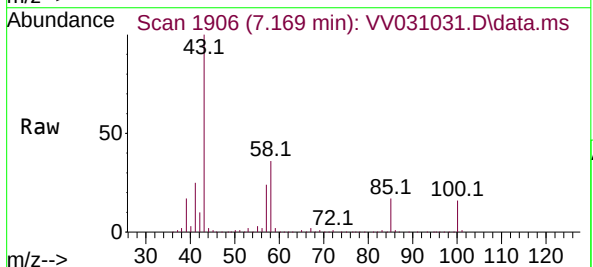
Tgt Ion: 43 Resp: 239270

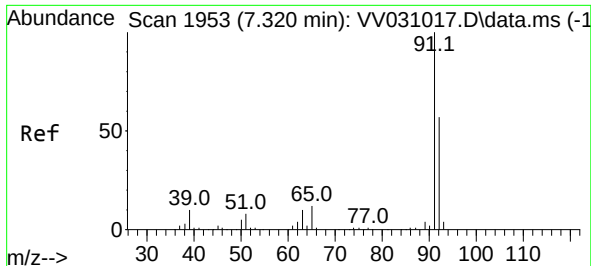
Ion Ratio Lower Upper

43 100

58 37.0 28.3 42.5

100 16.0 11.8 17.8





#42

Toluene

Concen: 4.986 ug/L

RT: 7.323 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV031031.D

Acq: 15 May 2023 17:18

Instrument :

MSVOA_V

ClientSampleId :

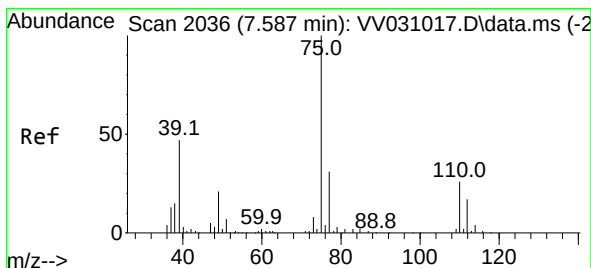
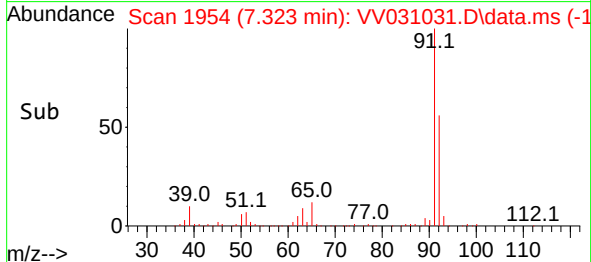
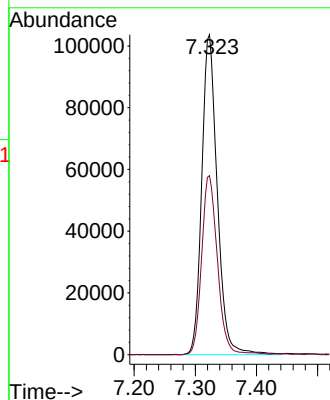
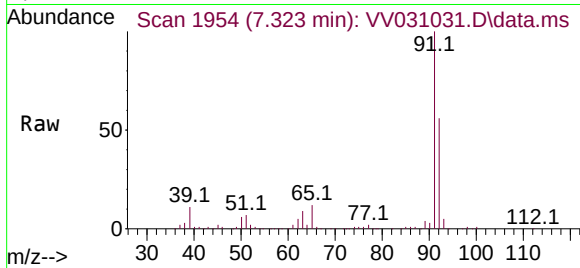
VSTD005349

Tgt Ion: 91 Resp: 182646

Ion Ratio Lower Upper

91 100

92 56.0 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 4.864 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.003 min

Lab File: VV031031.D

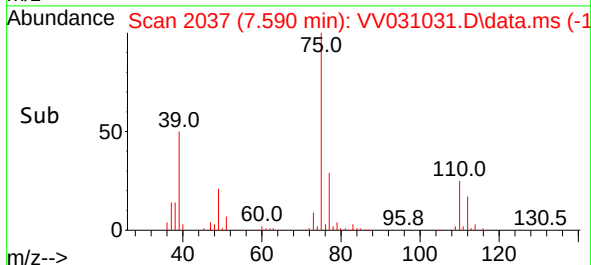
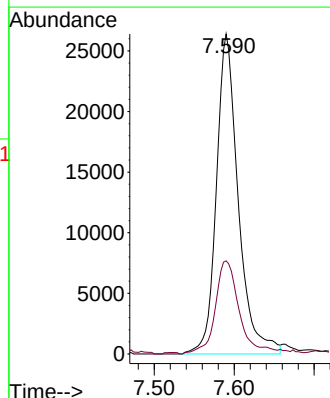
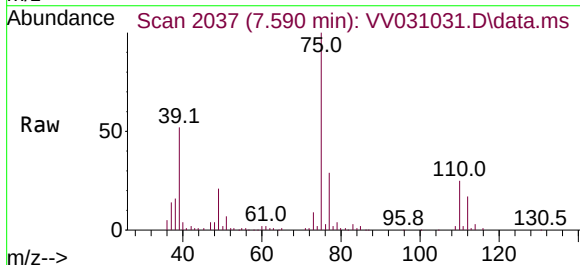
Acq: 15 May 2023 17:18

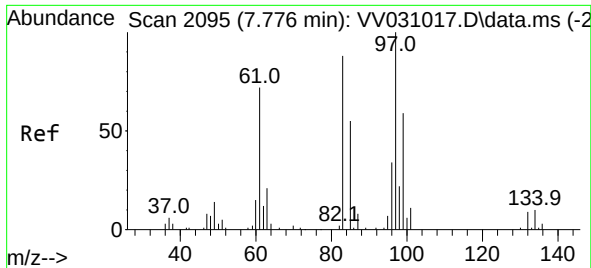
Tgt Ion: 75 Resp: 50090

Ion Ratio Lower Upper

75 100

77 29.1 21.6 40.0

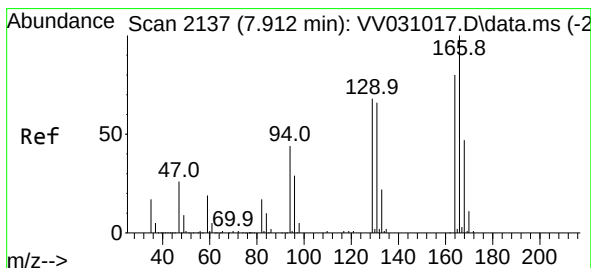
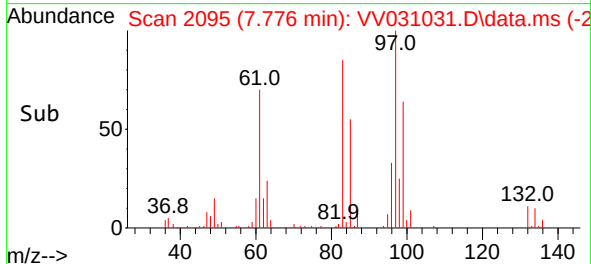
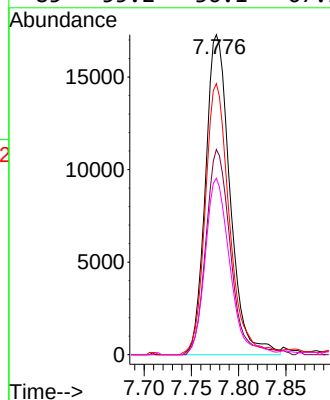
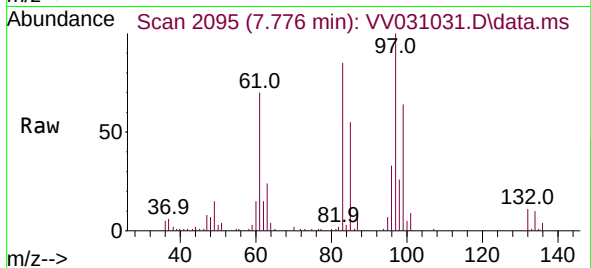




#45
1,1,2-Trichloroethane
Concen: 5.212 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. -0.000 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

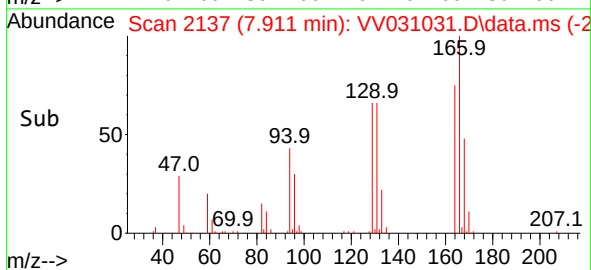
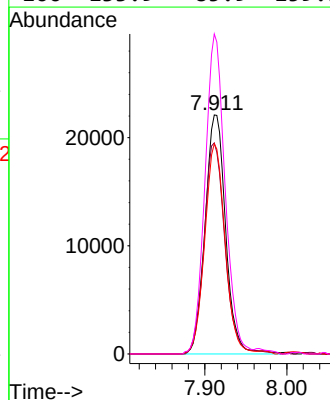
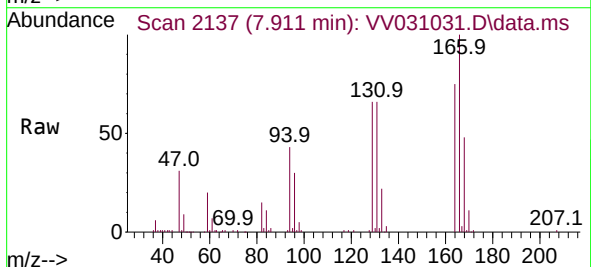
Instrument :
MSVOA_V
ClientSampleId :
VSTD005349

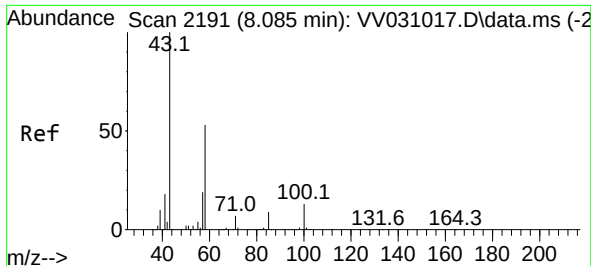
Tgt Ion:	97	Resp:	31208
Ion	Ratio	Lower	Upper
97	100		
99	64.1	42.8	79.6
83	84.7	57.5	106.7
85	55.2	36.1	67.1



#47
Tetrachloroethene
Concen: 4.458 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

Tgt Ion:	164	Resp:	38569
Ion	Ratio	Lower	Upper
164	100		
129	88.3	60.5	112.3
131	88.0	60.8	112.8
166	133.9	85.9	159.5

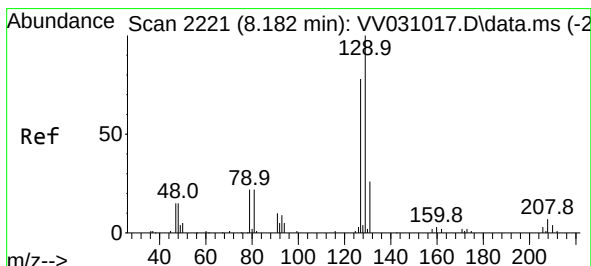
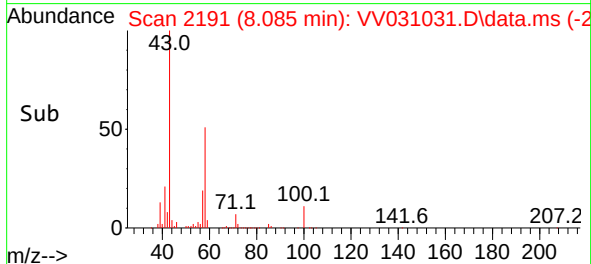
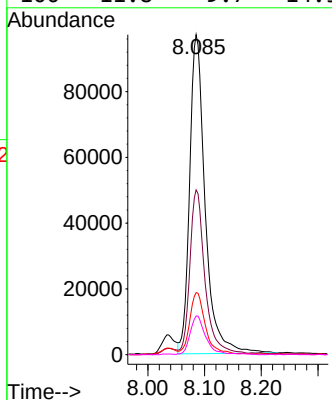
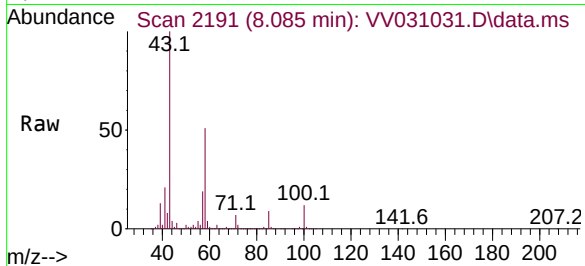




#48
2-Hexanone
Concen: 57.622 ug/L
RT: 8.085 min Scan# 2191
Delta R.T. -0.000 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

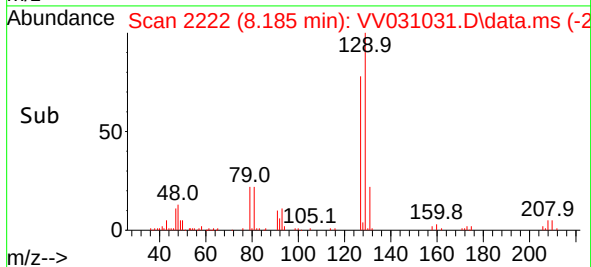
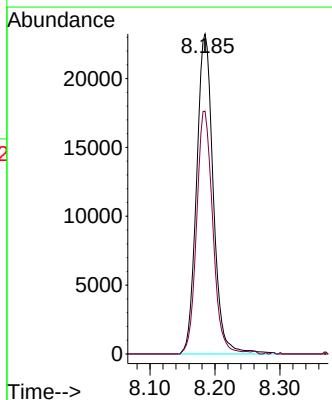
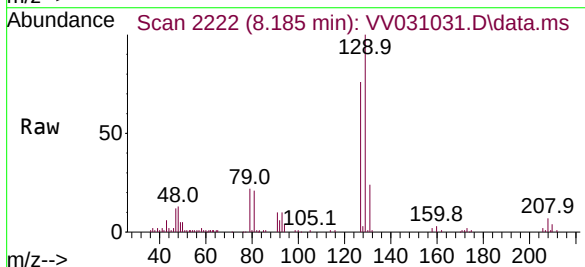
Instrument :
MSVOA_V
ClientSampleId :
VSTD005349

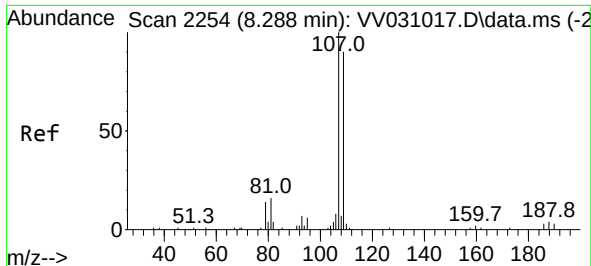
Tgt Ion: 43 Resp: 184797
Ion Ratio Lower Upper
43 100
58 49.4 39.9 59.9
57 18.9 14.1 21.1
100 11.8 9.7 14.5



#49
Dibromochloromethane
Concen: 5.524 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.003 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

Tgt Ion: 129 Resp: 41610
Ion Ratio Lower Upper
129 100
127 75.9 55.3 102.7

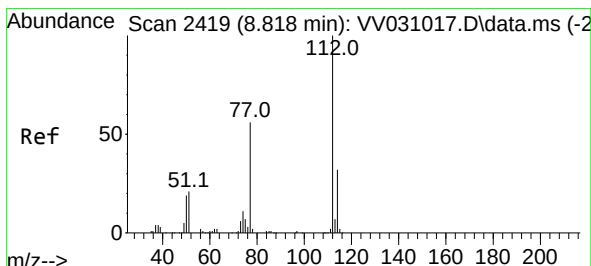
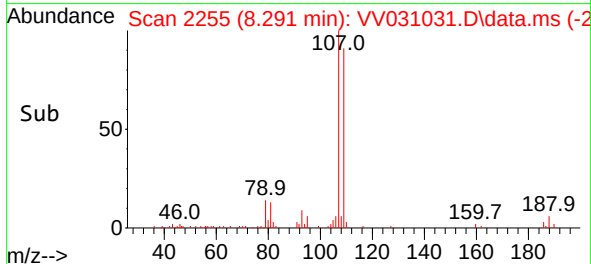
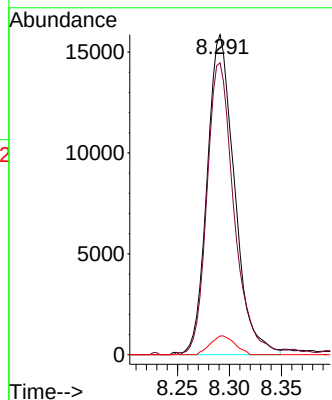
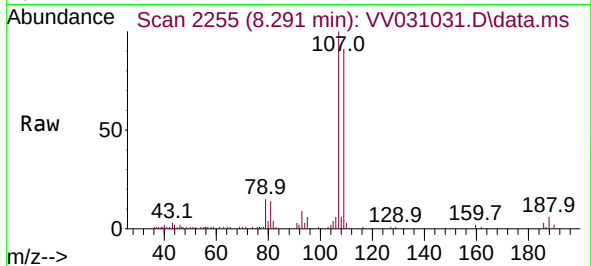




#50
 1,2-Dibromoethane
 Concen: 5.438 ug/L
 RT: 8.291 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV031031.D
 Acq: 15 May 2023 17:18

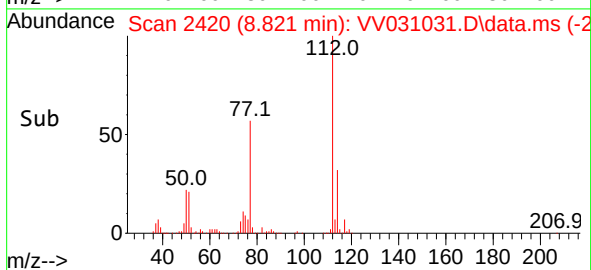
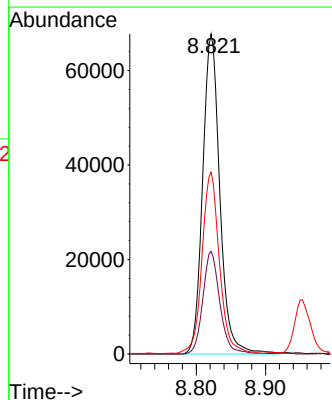
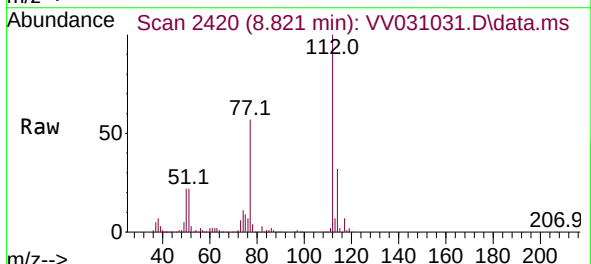
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005349

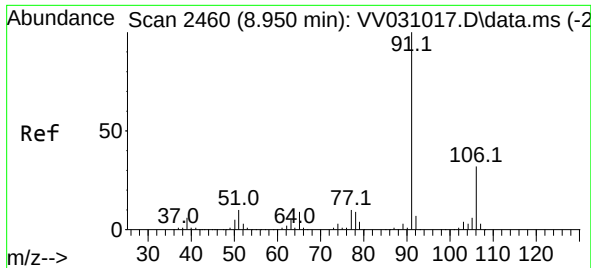
Tgt Ion:107 Resp: 29043
 Ion Ratio Lower Upper
 107 100
 109 91.2 64.9 120.5
 188 5.8 3.2 4.8#



#51
 Chlorobenzene
 Concen: 4.692 ug/L
 RT: 8.821 min Scan# 2420
 Delta R.T. 0.003 min
 Lab File: VV031031.D
 Acq: 15 May 2023 17:18

Tgt Ion:112 Resp: 116529
 Ion Ratio Lower Upper
 112 100
 114 32.1 22.5 41.9
 77 56.8 45.3 67.9

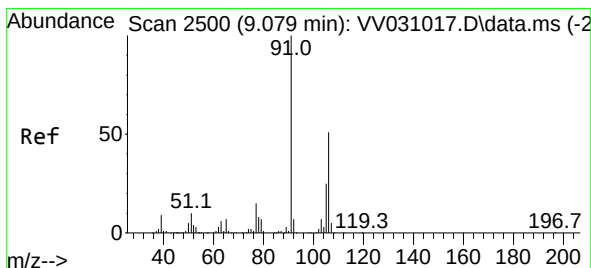
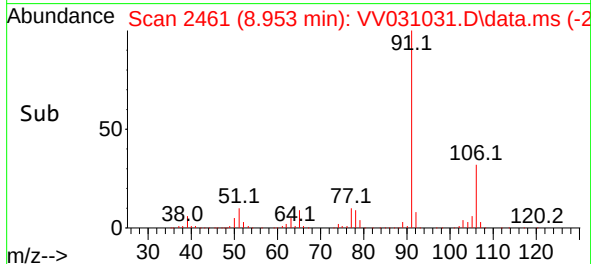
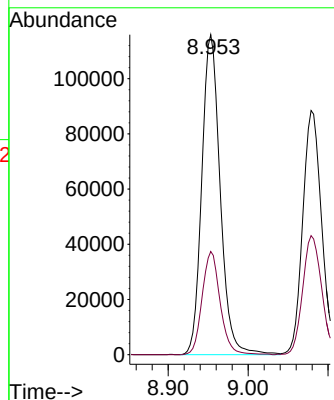
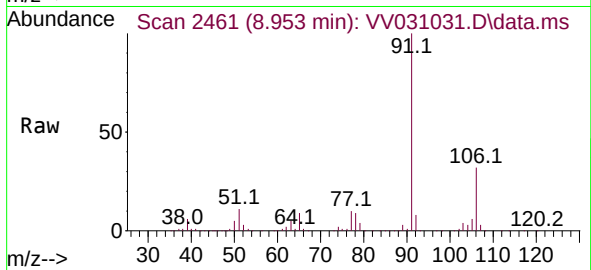




#52
Ethylbenzene
Concen: 4.658 ug/L
RT: 8.953 min Scan# 2460
Delta R.T. 0.003 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

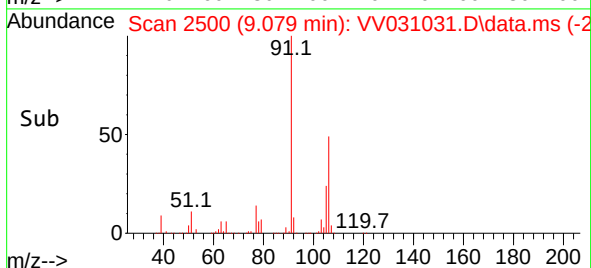
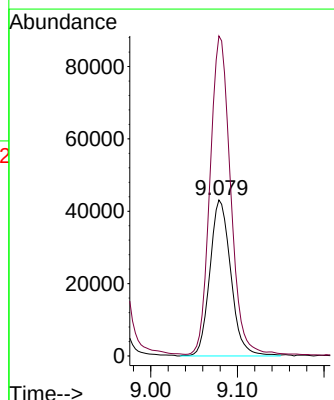
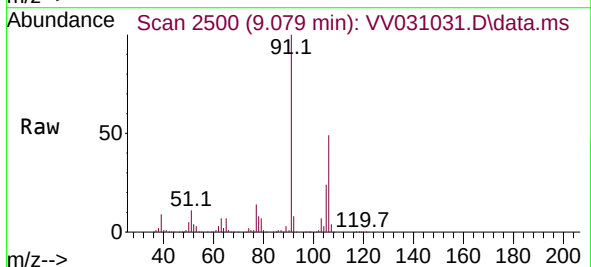
Instrument :
MSVOA_V
ClientSampleId :
VSTD005349

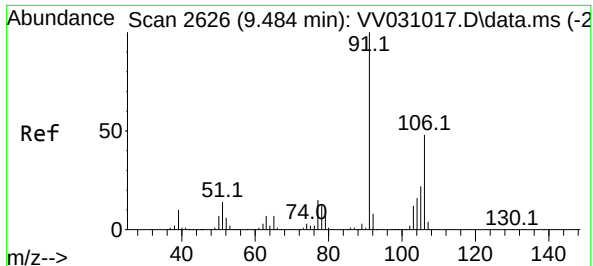
Tgt Ion: 91 Resp: 186010
Ion Ratio Lower Upper
91 100
106 32.3 21.4 39.8



#53
m,p-Xylene
Concen: 4.546 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. -0.000 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

Tgt Ion: 106 Resp: 72452
Ion Ratio Lower Upper
106 100
91 205.2 138.7 257.5

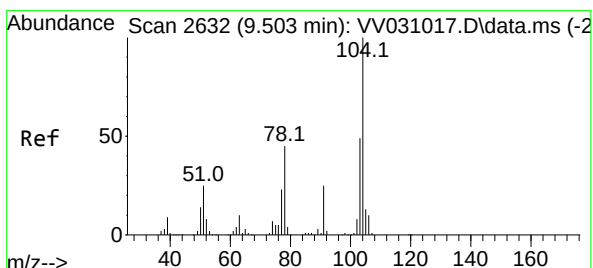
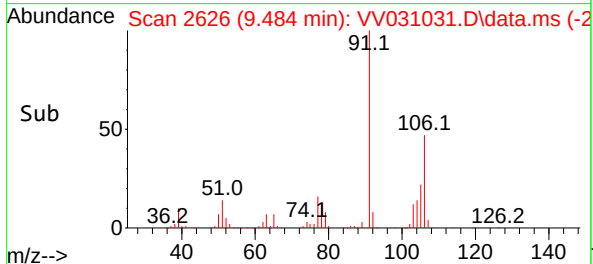
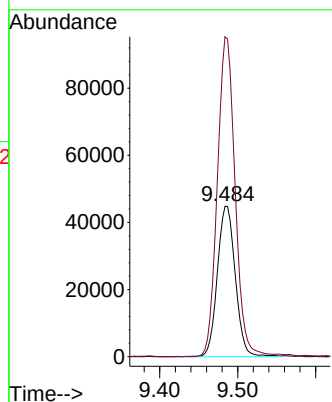
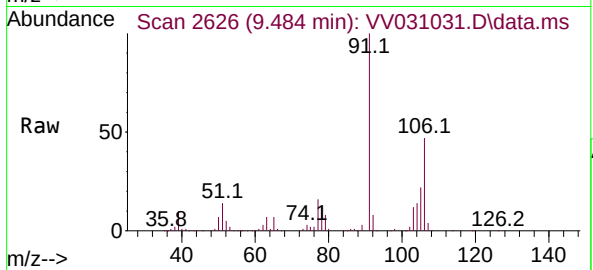




#54
o-Xylene
Concen: 4.727 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

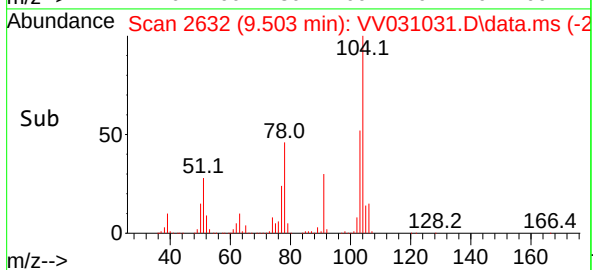
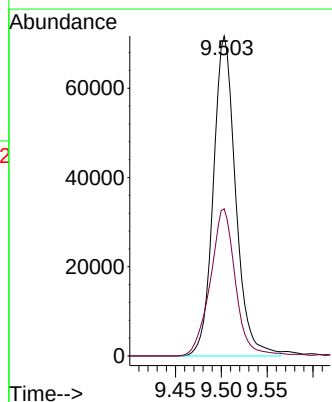
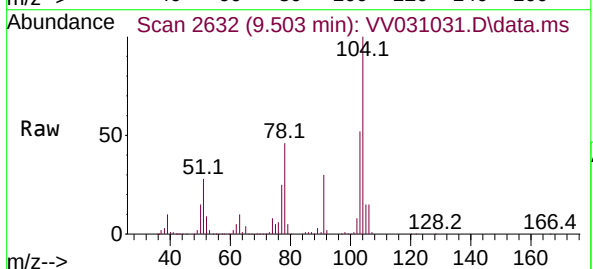
Instrument :
MSVOA_V
ClientSampleId :
VSTD005349

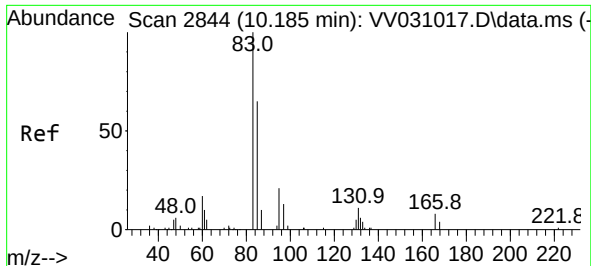
Tgt Ion:106 Resp: 71698
Ion Ratio Lower Upper
106 100
91 212.7 145.1 269.5



#55
Styrene
Concen: 4.752 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

Tgt Ion:104 Resp: 121626
Ion Ratio Lower Upper
104 100
78 46.0 31.4 58.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.535 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VV031031.D

Acq: 15 May 2023 17:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD005349

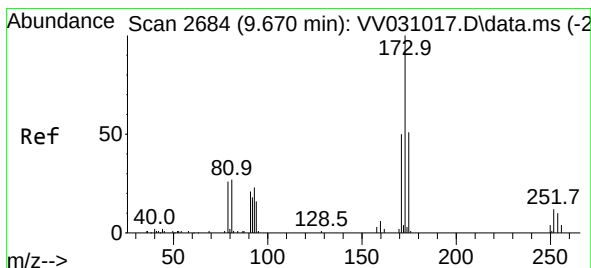
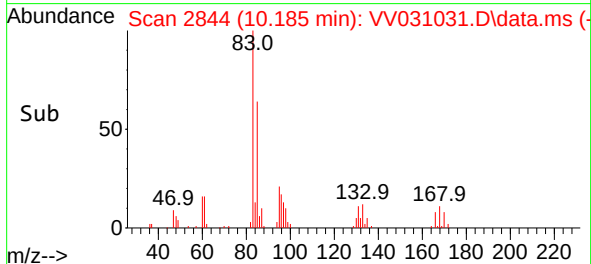
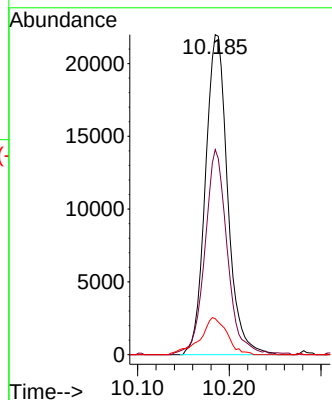
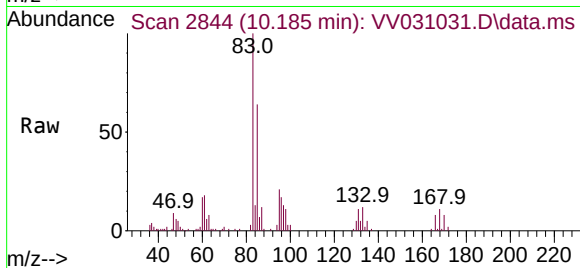
Tgt Ion: 83 Resp: 37045

Ion Ratio Lower Upper

83 100

85 64.1 45.2 84.0

131 11.3 8.3 12.5



#59

Bromoform

Concen: 5.361 ug/L

RT: 9.673 min Scan# 2685

Delta R.T. 0.003 min

Lab File: VV031031.D

Acq: 15 May 2023 17:18

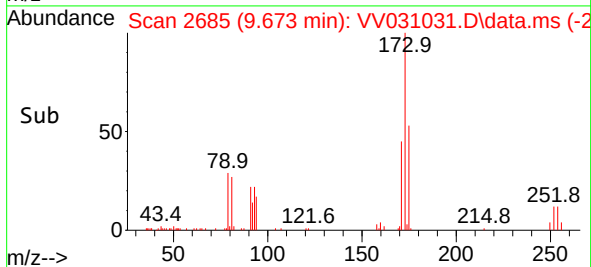
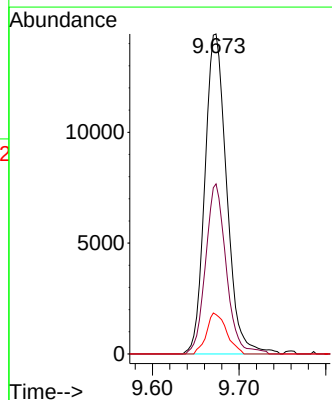
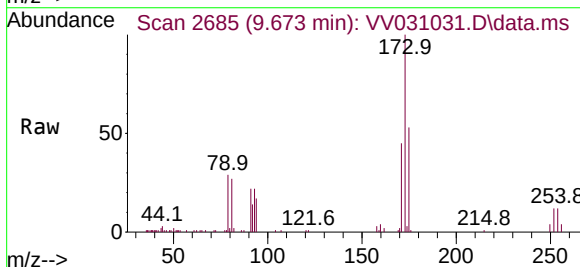
Tgt Ion: 173 Resp: 25241

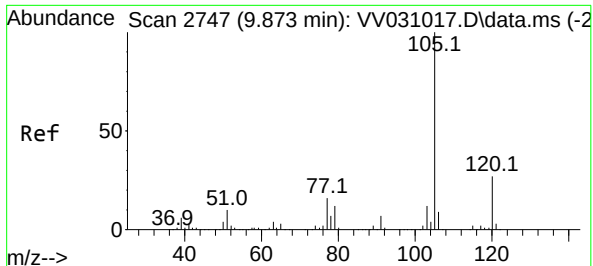
Ion Ratio Lower Upper

173 100

175 50.4 39.9 59.9

254 11.7 9.7 14.5

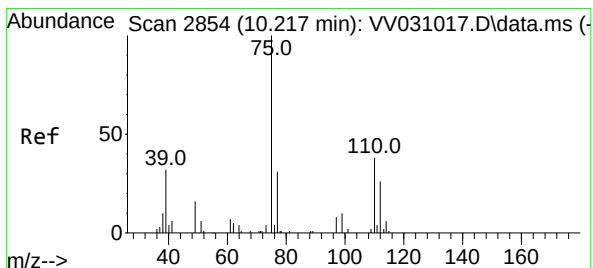
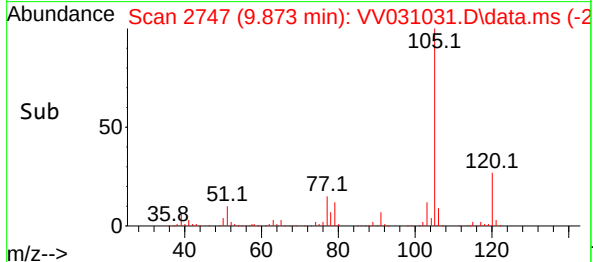
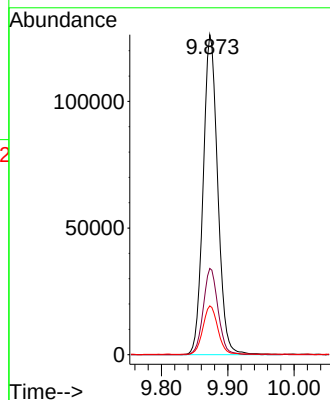
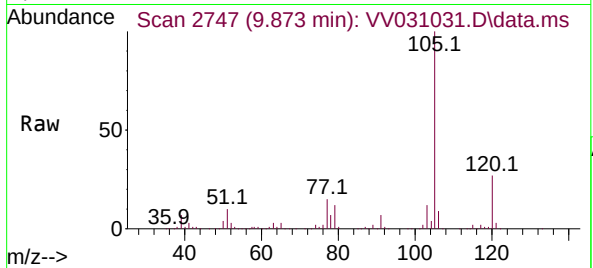




#60
Isopropylbenzene
Concen: 4.473 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

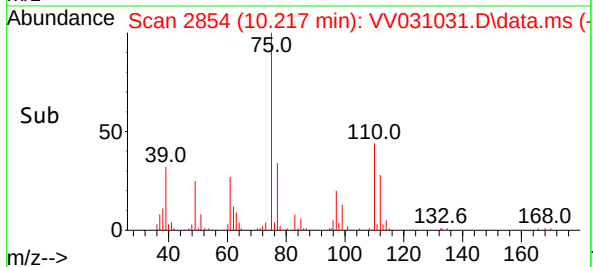
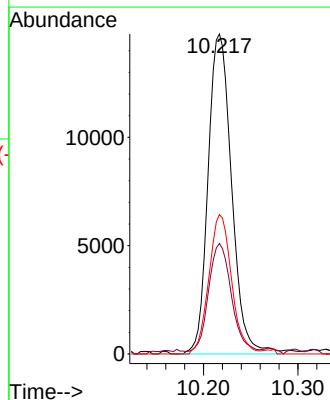
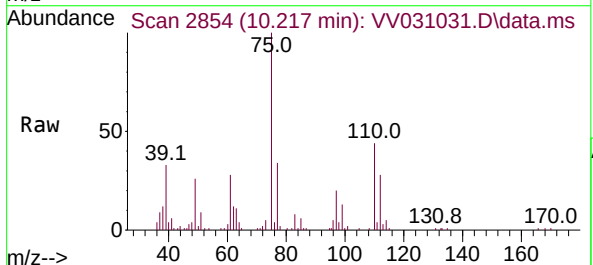
Instrument :
MSVOA_V
ClientSampleId :
VSTD005349

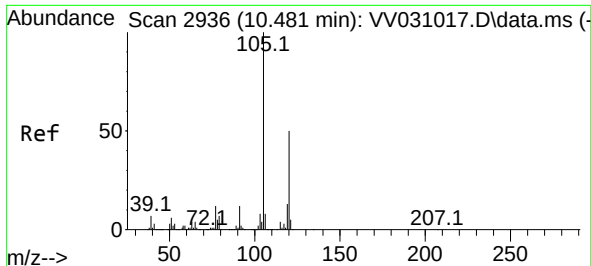
Tgt Ion:105 Resp: 192905
Ion Ratio Lower Upper
105 100
120 27.3 22.2 33.4
77 15.5 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 5.081 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.000 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

Tgt Ion: 75 Resp: 25534
Ion Ratio Lower Upper
75 100
77 32.3 25.3 37.9
110 42.1 34.0 51.0





#62

1,3,5-Trimethylbenzene

Concen: 4.378 ug/L

RT: 10.484 min Scan# 2936

Delta R.T. 0.003 min

Lab File: VV031031.D

Acq: 15 May 2023 17:18

Instrument :

MSVOA_V

ClientSampleId :

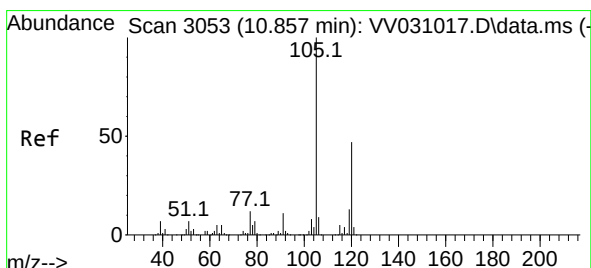
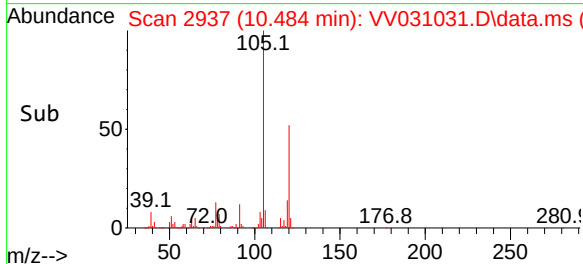
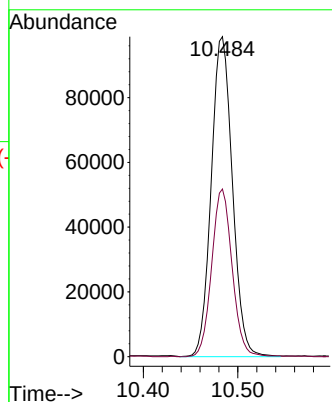
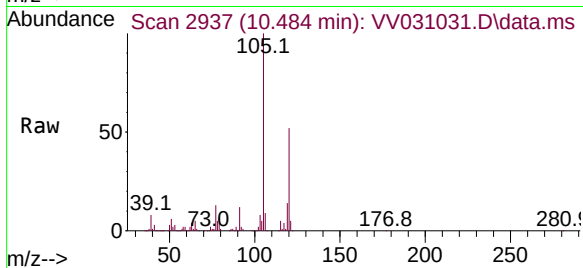
VSTD005349

Tgt Ion:105 Resp: 153710

Ion Ratio Lower Upper

105 100

120 50.7 40.2 60.4



#63

1,2,4-Trimethylbenzene

Concen: 4.275 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. -0.000 min

Lab File: VV031031.D

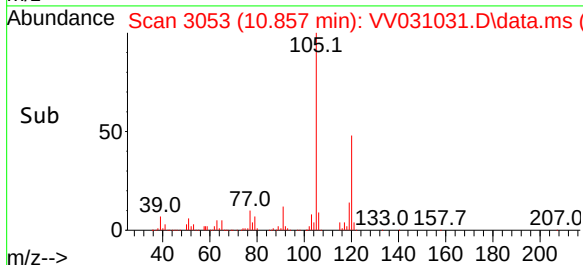
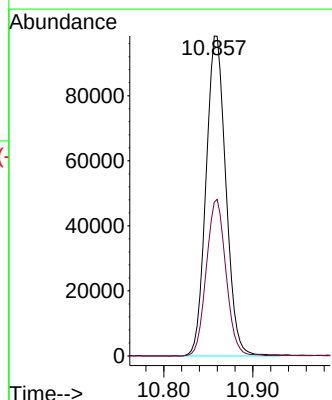
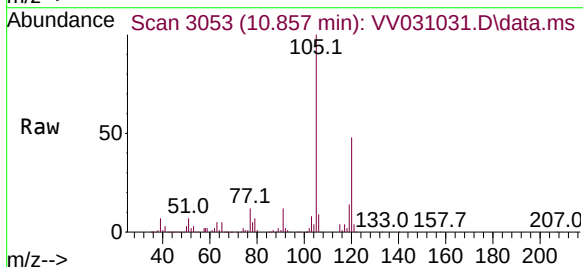
Acq: 15 May 2023 17:18

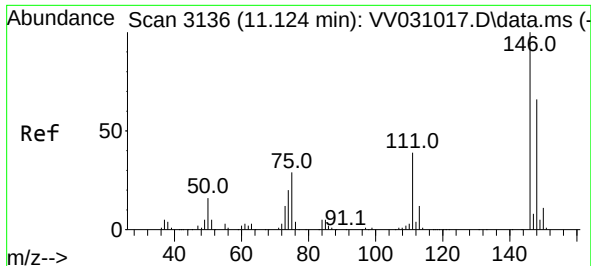
Tgt Ion:105 Resp: 152064

Ion Ratio Lower Upper

105 100

120 48.4 37.9 56.9

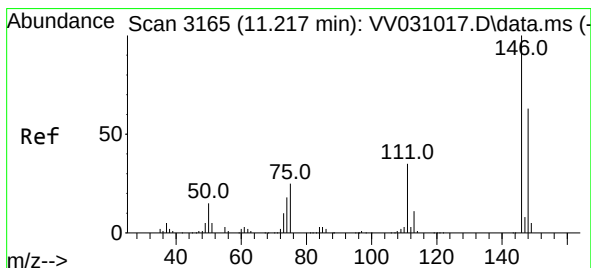
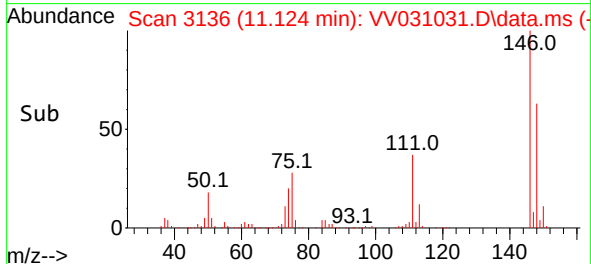
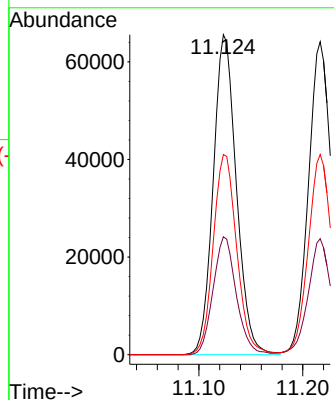
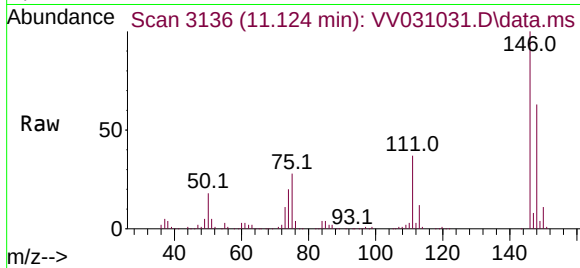




#64
1,3-Dichlorobenzene
Concen: 4.596 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. -0.000 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

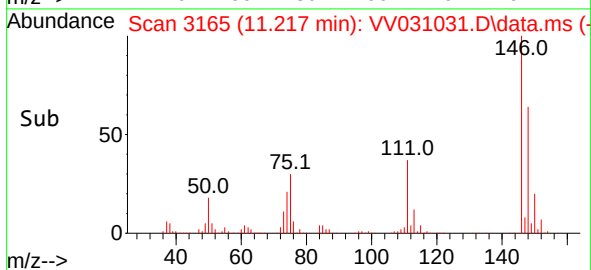
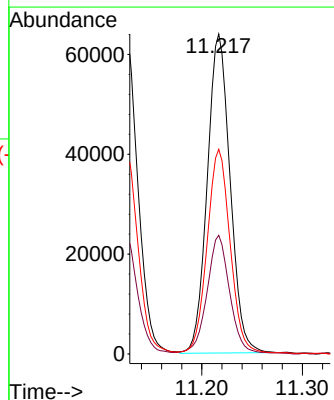
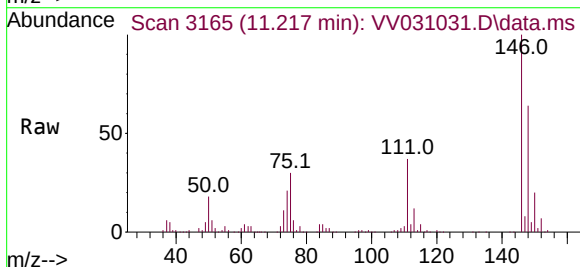
Instrument :
MSVOA_V
ClientSampleId :
VSTD005349

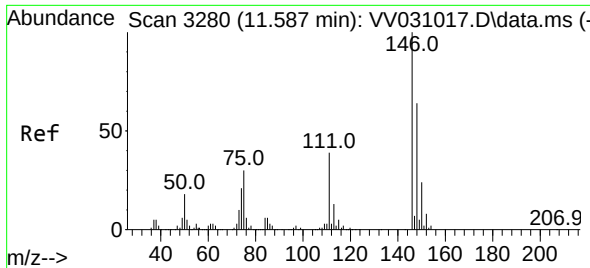
Tgt Ion:146 Resp: 101789
Ion Ratio Lower Upper
146 100
111 36.8 26.5 49.3
148 62.5 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 4.511 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

Tgt Ion:146 Resp: 100797
Ion Ratio Lower Upper
146 100
111 37.1 23.9 44.5
148 64.0 42.8 79.6

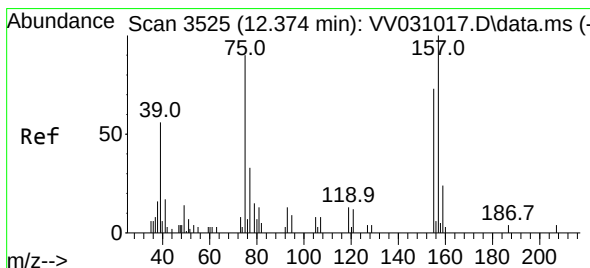
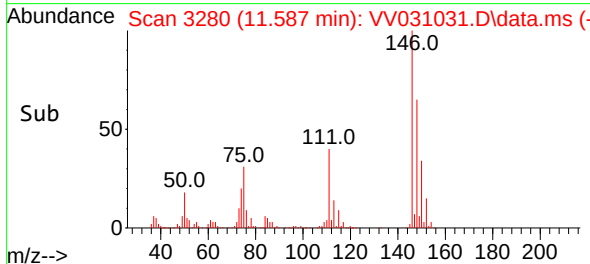
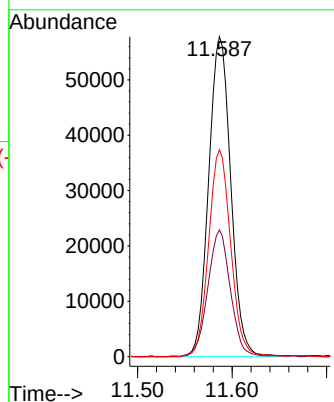
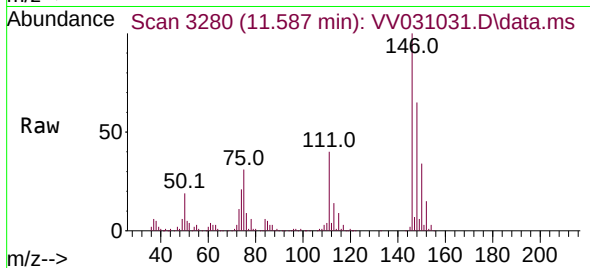




#67
1,2-Dichlorobenzene
Concen: 4.716 ug/L
RT: 11.587 min Scan# 311
Delta R.T. -0.000 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

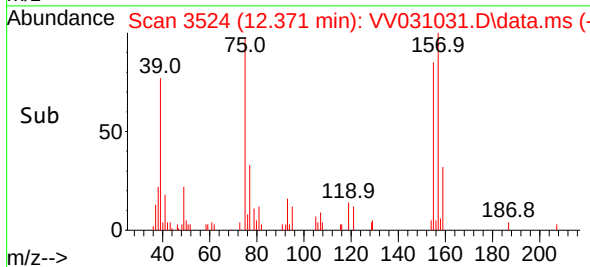
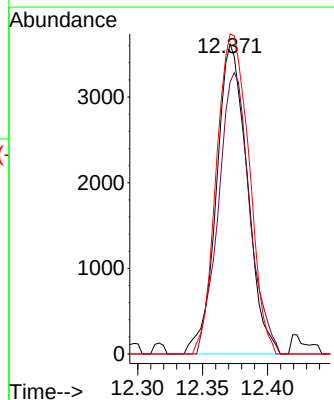
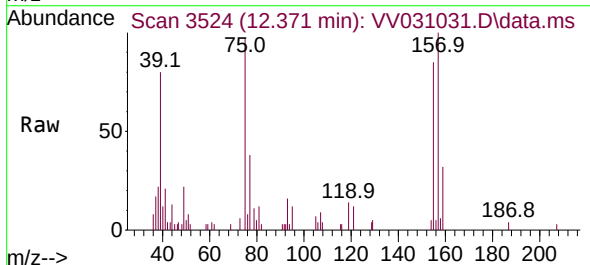
Instrument :
MSVOA_V
ClientSampleId :
VSTD005349

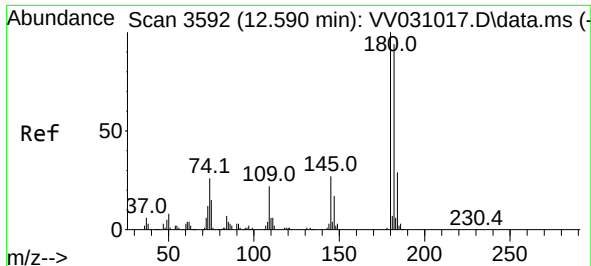
Tgt Ion:	146	Resp:	93918
Ion Ratio	Lower	Upper	
146	100		
111	39.7	34.0	51.0
148	64.7	53.8	80.6



#68
1,2-Dibromo-3-chloropropane
Concen: 4.678 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. -0.003 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

Tgt Ion:	75	Resp:	5966
Ion Ratio	Lower	Upper	
75	100		
155	87.7	56.2	84.4#
157	103.2	83.1	124.7

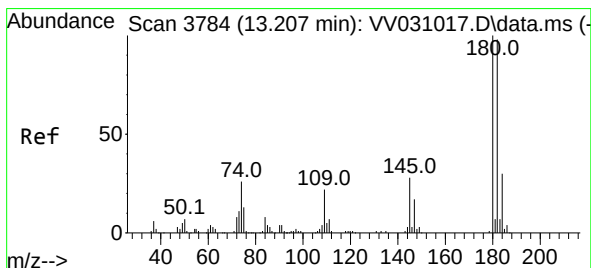
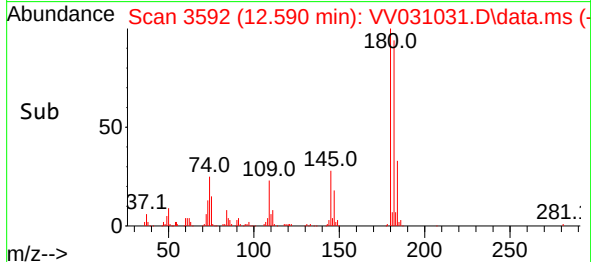
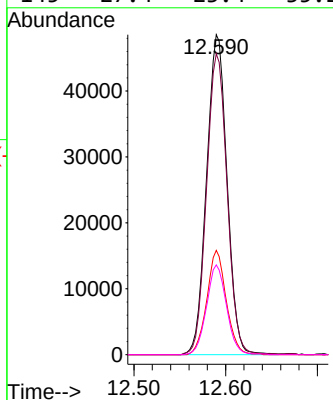
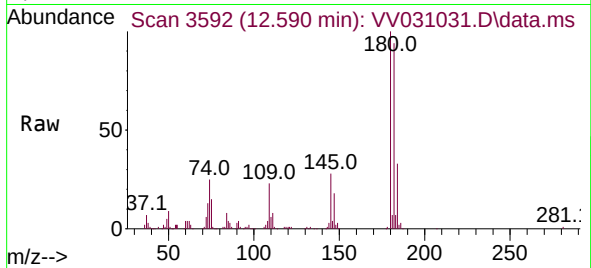




#69
 1,3,5-Trichlorobenzene
 Concen: 4.293 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. -0.000 min
 Lab File: VV031031.D
 Acq: 15 May 2023 17:18

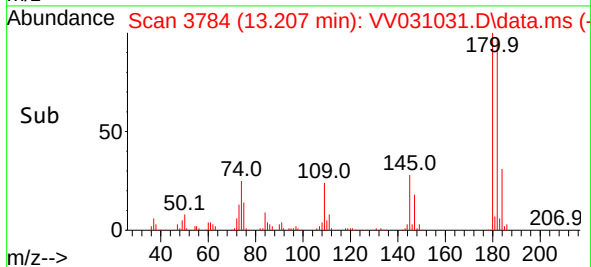
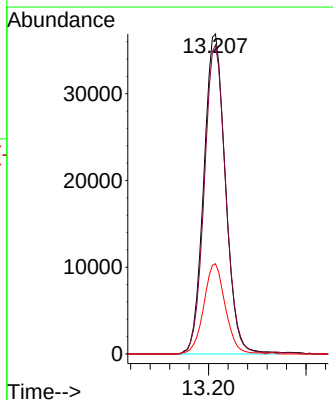
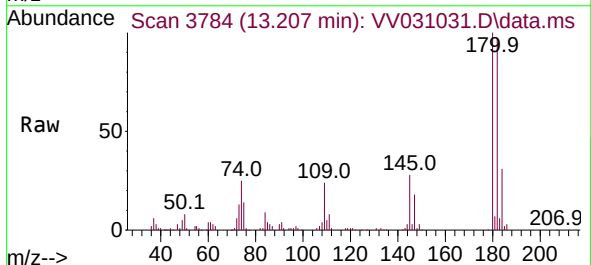
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005349

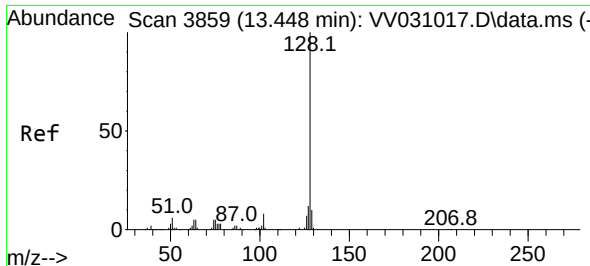
Tgt Ion:180	Resp:	75294
Ion Ratio	Lower	Upper
180	100	
182	94.1	75.1 112.7
184	31.0	24.1 36.1
145	27.4	23.4 35.2



#70
 1,2,4-trichlorobenzene
 Concen: 4.216 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. -0.000 min
 Lab File: VV031031.D
 Acq: 15 May 2023 17:18

Tgt Ion:180	Resp:	56823
Ion Ratio	Lower	Upper
180	100	
182	95.9	76.0 114.0
145	28.2	22.9 34.3

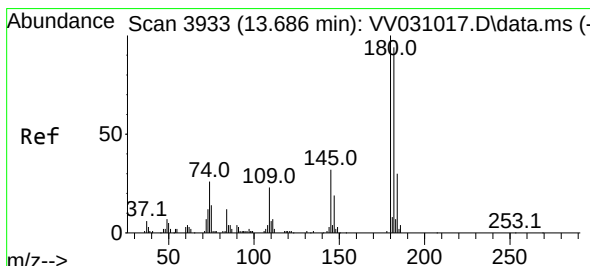
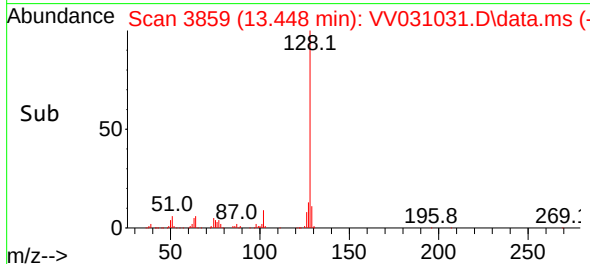
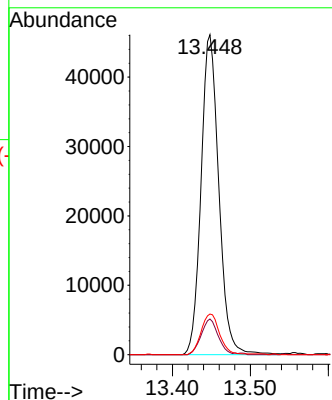
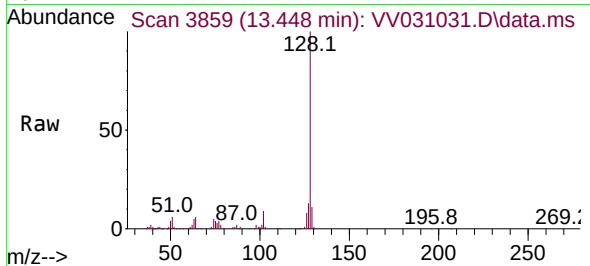




#71
Naphthalene
Concen: 3.770 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. -0.000 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD005349

Tgt Ion:	128	Resp:	72858
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	13.0
127	13.3	10.6	16.0



#72
1,2,3-Trichlorobenzene
Concen: 4.322 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. 0.003 min
Lab File: VV031031.D
Acq: 15 May 2023 17:18

Tgt Ion:	180	Resp:	49306
Ion	Ratio	Lower	Upper
180	100		
182	94.7	77.3	115.9
145	30.9	24.7	37.1

