

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011323\
 Data File : VW029845.D
 Acq On : 14 Jan 2023 06:17
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005384

Quant Time: Jan 16 00:39:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 12 22:05:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	206044	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	201103	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	117939	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	76139	4.872	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.400%
7) Chloroethane-d5	1.564	69	68218	5.266	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.400%
11) 1,1-Dichloroethene-d2	2.105	63	148200	5.202	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.000%
20) 2-Butanone-d5	3.915	46	152828	55.173	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.340%
24) Chloroform-d	4.339	84	151787	5.295	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.800%
26) 1,2-Dichloroethane-d4	5.027	65	64845	5.341	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.800%
32) Benzene-d6	5.040	84	306602	5.140	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.800%
36) 1,2-Dichloropropane-d6	6.063	67	90280	5.171	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.400%
41) Toluene-d8	7.307	98	292763	5.301	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.000%
43) trans-1,3-Dichloroprop...	7.612	79	29772	4.669	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.400%
46) 2-Hexanone-d5	8.088	63	144521	55.675	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.340%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	71475	5.587	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.800%
66) 1,2-Dichlorobenzene-d4	11.612	152	104454	4.871	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	105977	5.526	ug/L	99
3) Chloromethane	1.240	50	106735	5.289	ug/L	98
5) Vinyl chloride	1.307	62	116986	5.911	ug/L	100
6) Bromomethane	1.519	94	47243	4.903	ug/L	98
8) Chloroethane	1.581	64	71296	5.938	ug/L	98
9) Trichlorofluoromethane	1.748	101	148843	5.742	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	84900	5.560	ug/L	98
12) 1,1-Dichloroethene	2.114	96	88341	5.021	ug/L	96
13) Acetone	2.211	43	99842	50.501	ug/L	99
14) Carbon disulfide	2.288	76	245397	4.845	ug/L	100
15) Methyl Acetate	2.442	43	26731	5.192	ug/L	99
16) Methylene chloride	2.500	84	114304	5.230	ug/L	97
17) Methyl tert-butyl Ether	2.767	73	173120	5.691	ug/L	99
18) trans-1,2-Dichloroethene	2.754	96	92248	5.641	ug/L	97
19) 1,1-Dichloroethane	3.182	63	156426	5.717	ug/L	99
21) 2-Butanone	3.992	43	159104	56.175	ug/L	93
22) cis-1,2-Dichloroethene	3.902	96	92591	5.313	ug/L	95
23) Bromochloromethane	4.240	128	42004	5.837	ug/L	95
25) Chloroform	4.365	83	160320	5.391	ug/L	99

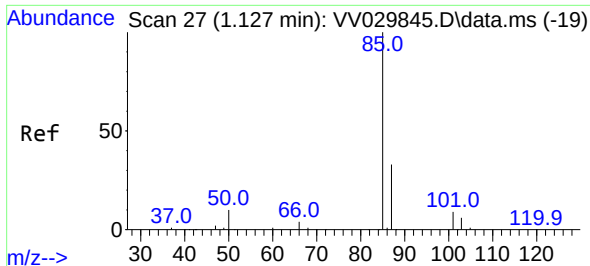
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011323\
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Quant Time: Jan 16 00:39:00 2023
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 12 22:05:54 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	87230	6.037	ug/L	100
29) 1,1,1-Trichloroethane	4.600	97	142032	5.439	ug/L	99
30) Cyclohexane	4.667	56	134837	5.454	ug/L	99
31) Carbon tetrachloride	4.818	117	120069	5.284	ug/L	99
33) Benzene	5.092	78	379464	5.707	ug/L	100
34) Trichloroethene	5.905	95	93875	5.571	ug/L	98
35) Methylcyclohexane	6.124	83	153532	5.397	ug/L	99
37) 1,2-Dichloropropane	6.166	63	92415	5.935	ug/L	100
38) Bromodichloromethane	6.503	83	110518	5.488	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	103894	4.976	ug/L	100
40) 4-Methyl-2-pentanone	7.227	43	405356	61.003	ug/L	99
42) Toluene	7.378	91	415857	5.799	ug/L	99
44) trans-1,3-Dichloropropene	7.645	75	84912	5.046	ug/L	99
45) 1,1,2-Trichloroethane	7.831	97	62495	5.571	ug/L	98
47) Tetrachloroethene	7.966	164	77496	5.463	ug/L	99
48) 2-Hexanone	8.137	43	287383	60.508	ug/L	100
49) Dibromochloromethane	8.236	129	69068	5.246	ug/L	99
50) 1,2-Dibromoethane	8.342	107	55673	5.717	ug/L	100
51) Chlorobenzene	8.873	112	254086	5.580	ug/L	99
52) Ethylbenzene	9.001	91	412710	5.499	ug/L	99
53) m,p-Xylene	9.130	106	165693	5.578	ug/L	99
54) o-Xylene	9.535	106	158378	5.617	ug/L	99
55) Styrene	9.551	104	285720	5.892	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.230	83	74552	5.982	ug/L	98
59) Bromoform	9.722	173	35206	4.609	ug/L	97
60) Isopropylbenzene	9.921	105	420499	5.578	ug/L	99
61) 1,2,3-Trichloropropane	10.262	75	50352	5.766	ug/L	99
62) 1,3,5-Trimethylbenzene	10.529	105	341613	5.288	ug/L	100
63) 1,2,4-Trimethylbenzene	10.902	105	348888	5.416	ug/L	100
64) 1,3-Dichlorobenzene	11.169	146	206591	5.396	ug/L	99
65) 1,4-Dichlorobenzene	11.259	146	209092	5.479	ug/L	98
67) 1,2-Dichlorobenzene	11.632	146	185610	5.393	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.416	75	9565	4.631	ug/L	98
69) 1,3,5-Trichlorobenzene	12.632	180	155822	5.057	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	122326	5.080	ug/L	100
71) Naphthalene	13.490	128	161332	5.172	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	105879	5.298	ug/L	100

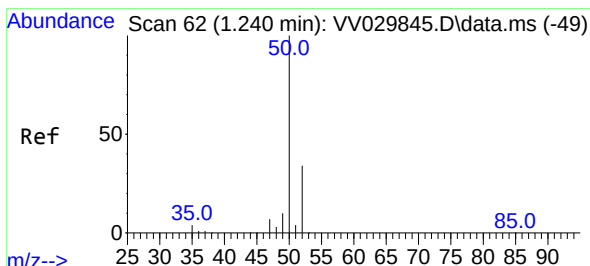
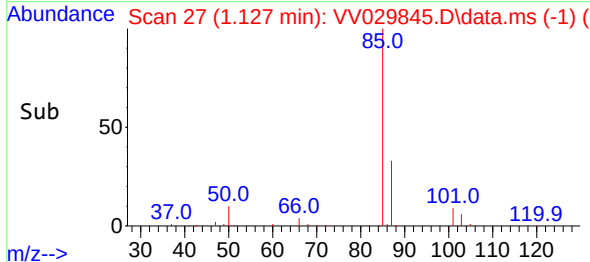
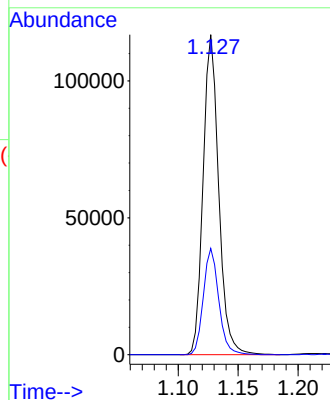
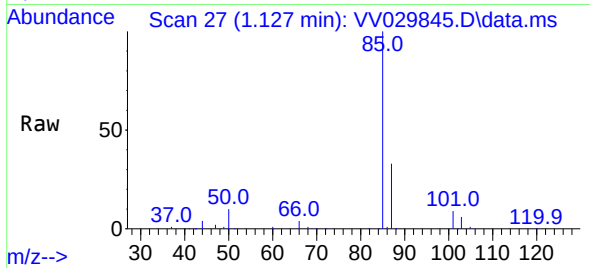
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 5.526 ug/L
RT: 1.127 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

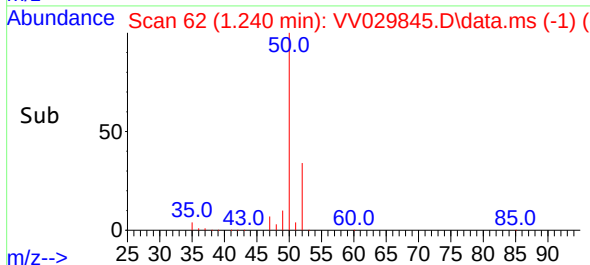
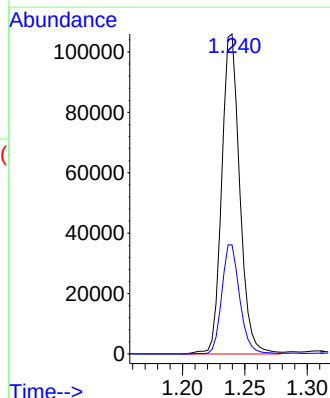
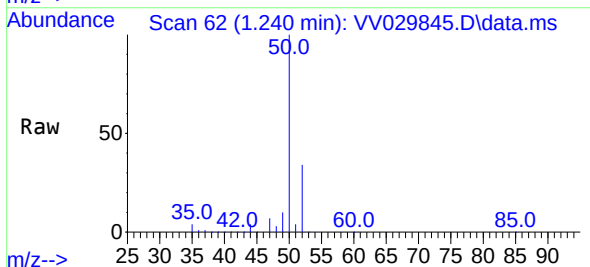
Instrument : MSVOA_V
ClientSampleId : VSTD005384

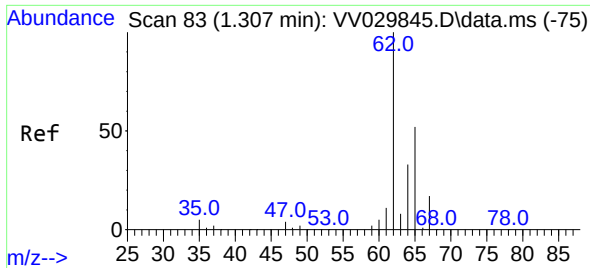
Tgt Ion: 85 Resp: 105977
Ion Ratio Lower Upper
85 100
87 32.8 26.5 39.7



#3
Chloromethane
Concen: 5.289 ug/L
RT: 1.240 min Scan# 62
Delta R.T. 0.003 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

Tgt Ion: 50 Resp: 106735
Ion Ratio Lower Upper
50 100
52 34.1 23.1 42.9

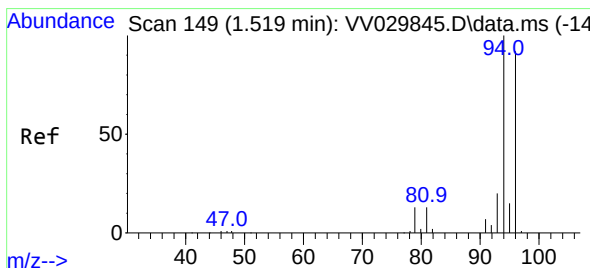
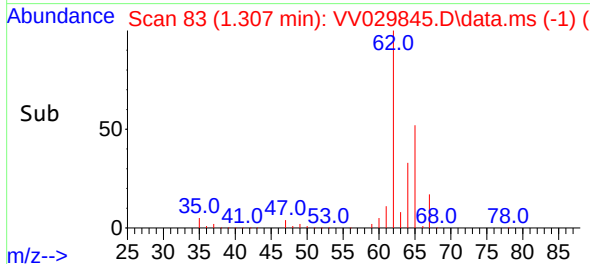
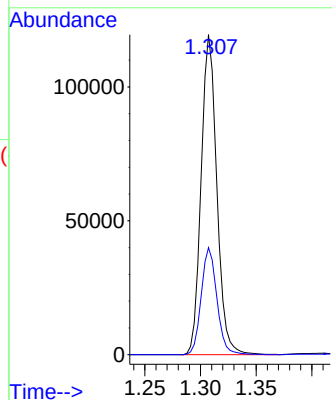
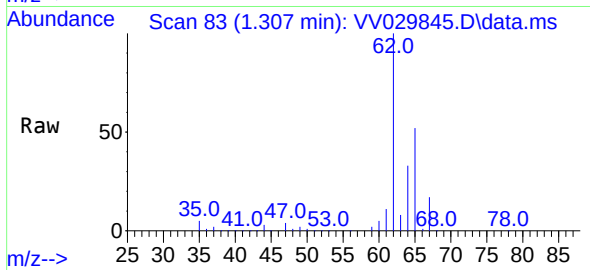




#5
 Vinyl chloride
 Concen: 5.911 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. 0.003 min
 Lab File: VV029845.D
 Acq: 14 Jan 2023 06:17

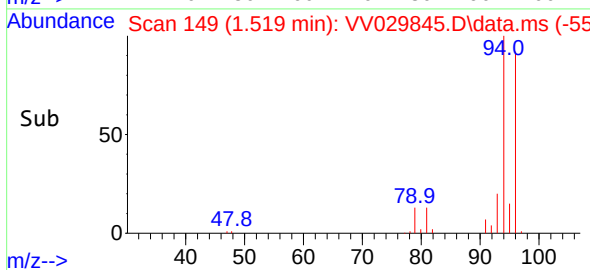
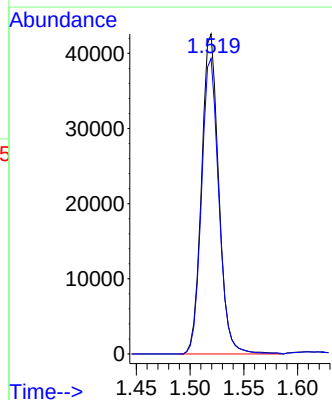
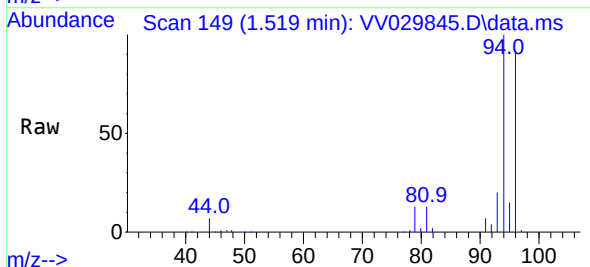
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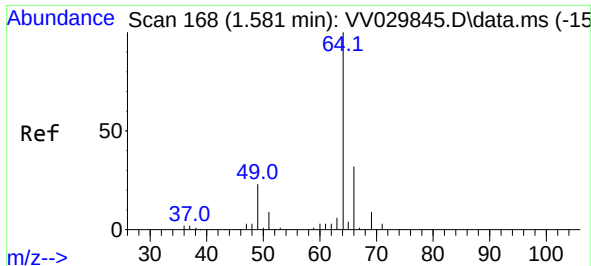
Tgt Ion: 62 Resp: 116986
 Ion Ratio Lower Upper
 62 100
 64 33.4 23.2 43.2



#6
 Bromomethane
 Concen: 4.903 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. 0.003 min
 Lab File: VV029845.D
 Acq: 14 Jan 2023 06:17

Tgt Ion: 94 Resp: 47243
 Ion Ratio Lower Upper
 94 100
 96 92.4 65.9 122.5

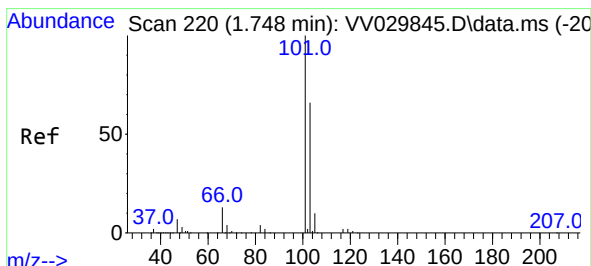
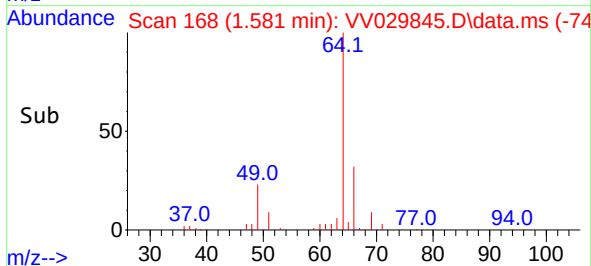
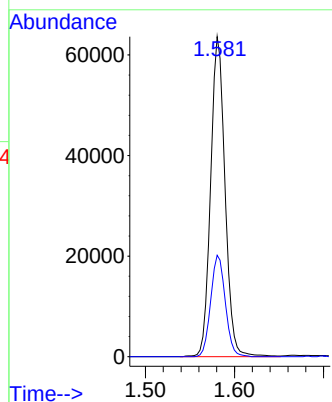
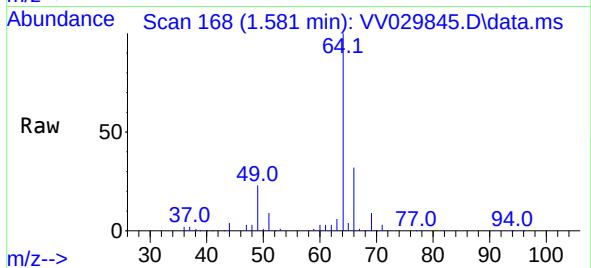




#8
Chloroethane
Concen: 5.938 ug/L
RT: 1.581 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

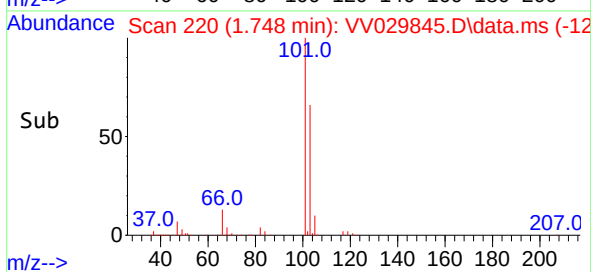
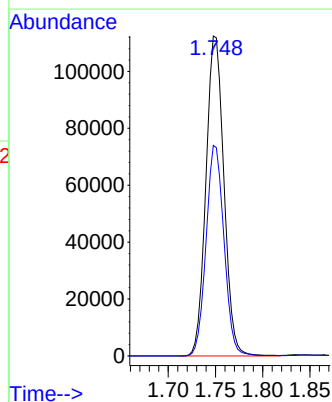
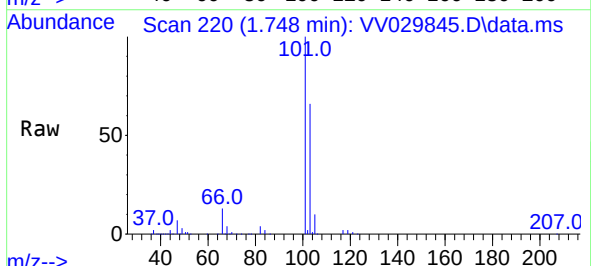
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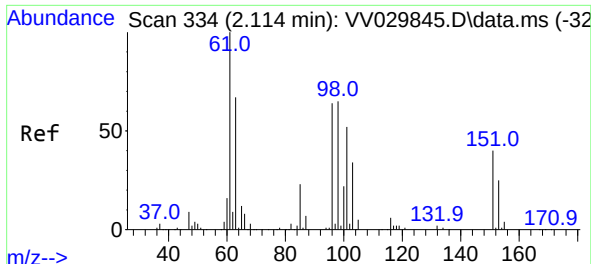
Tgt Ion: 64 Resp: 71296
Ion Ratio Lower Upper
64 100
66 31.7 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.742 ug/L
RT: 1.748 min Scan# 220
Delta R.T. -0.000 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

Tgt Ion:101 Resp: 148843
Ion Ratio Lower Upper
101 100
103 65.5 51.8 77.8

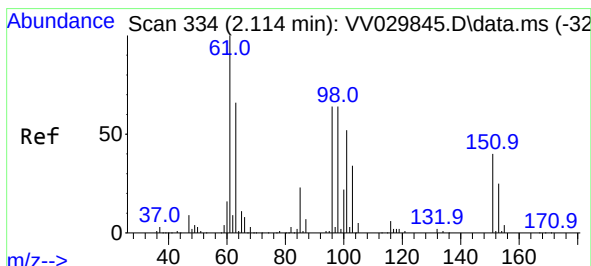
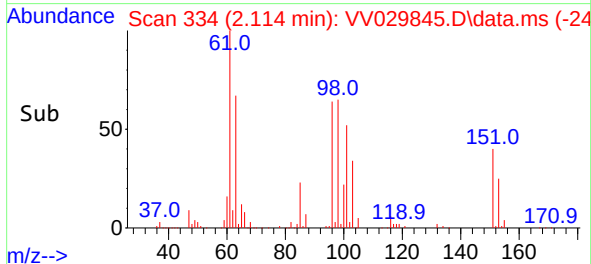
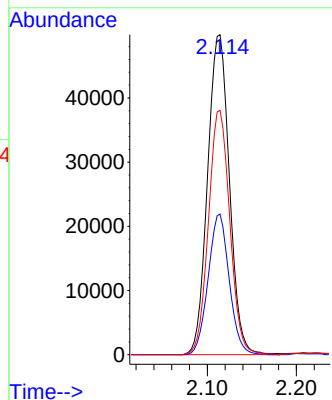
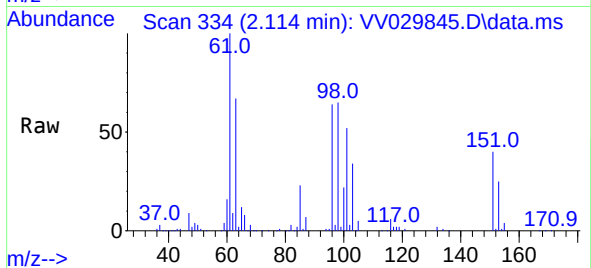




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.560 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.003 min
 Lab File: VV029845.D
 Acq: 14 Jan 2023 06:17

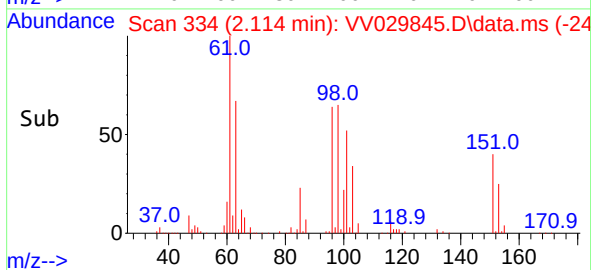
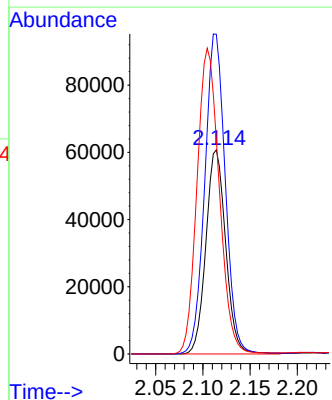
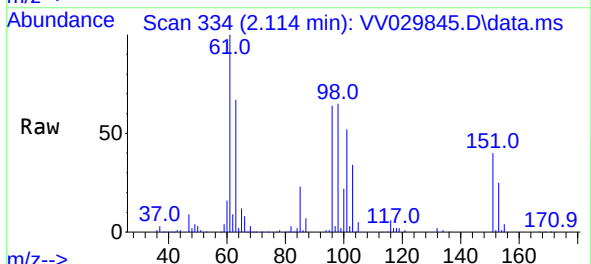
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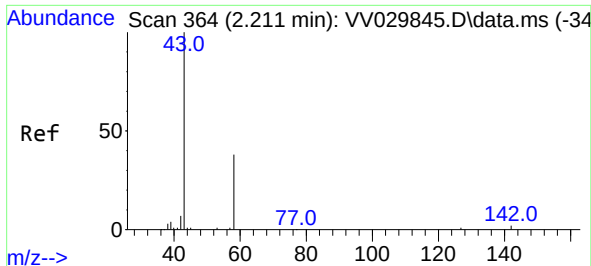
Tgt Ion:101 Resp: 84900
 Ion Ratio Lower Upper
 101 100
 85 42.4 32.9 49.3
 151 74.8 60.9 91.3



#12
 1,1-Dichloroethene
 Concen: 5.021 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.003 min
 Lab File: VV029845.D
 Acq: 14 Jan 2023 06:17

Tgt Ion: 96 Resp: 88341
 Ion Ratio Lower Upper
 96 100
 61 156.6 106.1 197.1
 63 104.8 76.4 141.8





#13

Acetone

Concen: 50.501 ug/L

RT: 2.211 min Scan# 30

Delta R.T. 0.013 min

Lab File: VV029845.D

Acq: 14 Jan 2023 06:17

Instrument :

MSVOA_V

ClientSampleId :

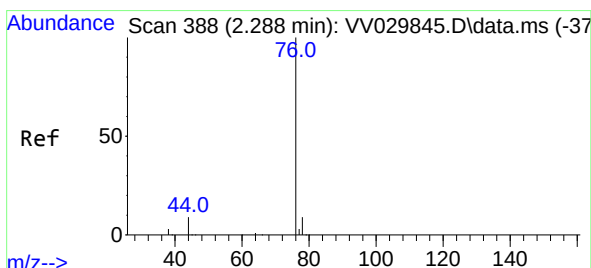
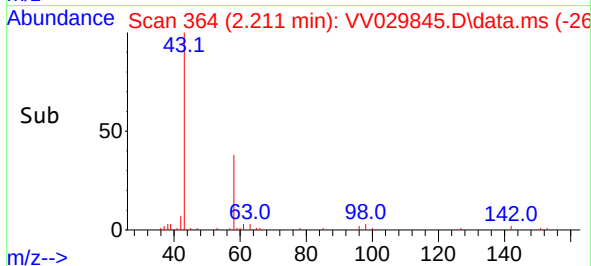
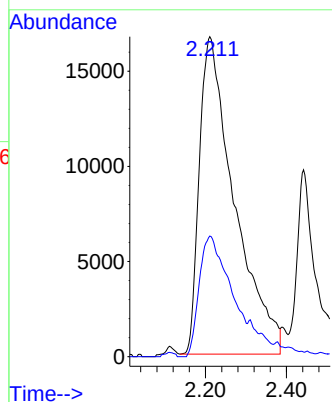
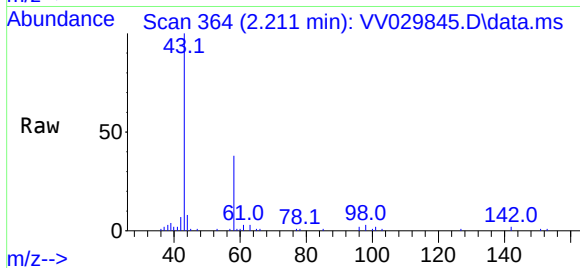
VSTD005384

Tgt Ion: 43 Resp: 99842

Ion Ratio Lower Upper

43 100

58 33.7 0.0 68.8



#14

Carbon disulfide

Concen: 4.845 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.003 min

Lab File: VV029845.D

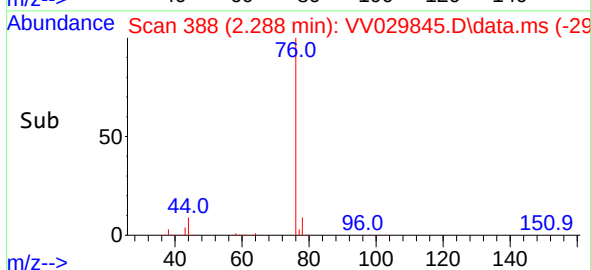
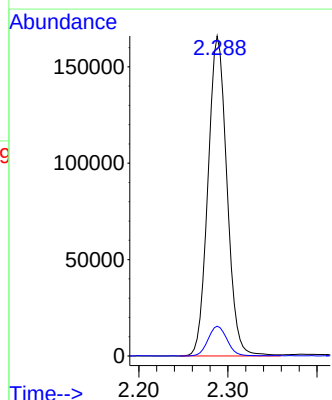
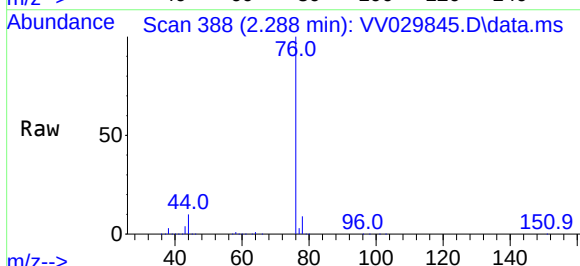
Acq: 14 Jan 2023 06:17

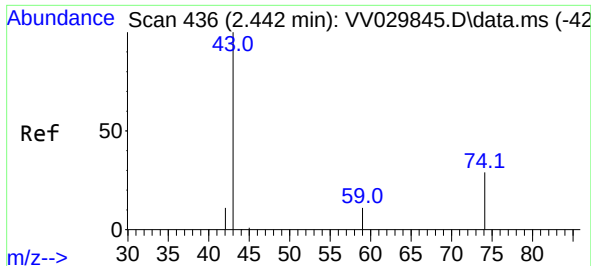
Tgt Ion: 76 Resp: 245397

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0





#15

Methyl Acetate

Concen: 5.192 ug/L

RT: 2.442 min Scan# 41

Delta R.T. 0.006 min

Lab File: VV029845.D

Acq: 14 Jan 2023 06:17

Instrument :

MSVOA_V

ClientSampleId :

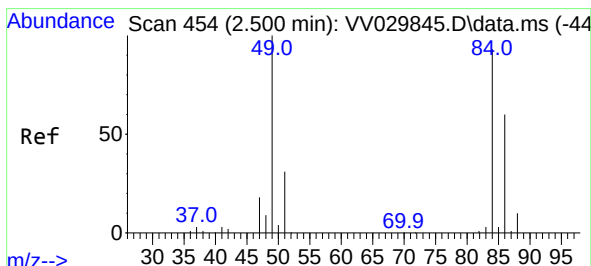
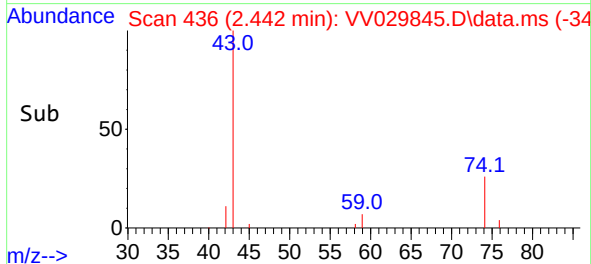
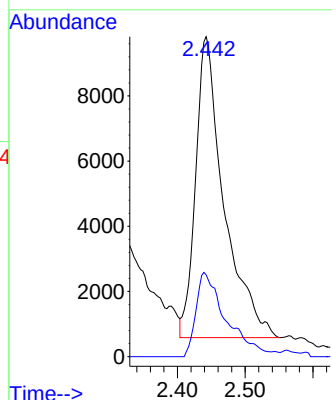
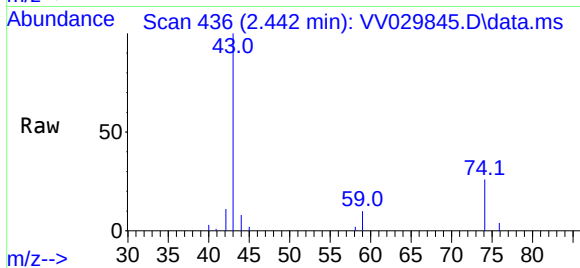
VSTD005384

Tgt Ion: 43 Resp: 26731

Ion Ratio Lower Upper

43 100

74 29.6 23.4 35.0



#16

Methylene chloride

Concen: 5.230 ug/L

RT: 2.500 min Scan# 454

Delta R.T. 0.003 min

Lab File: VV029845.D

Acq: 14 Jan 2023 06:17

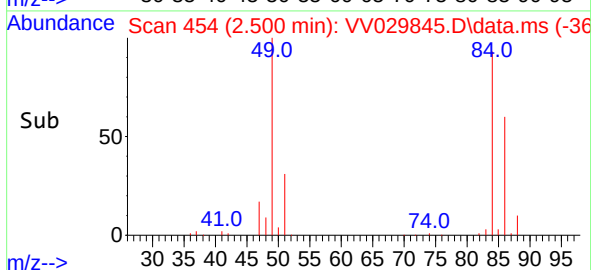
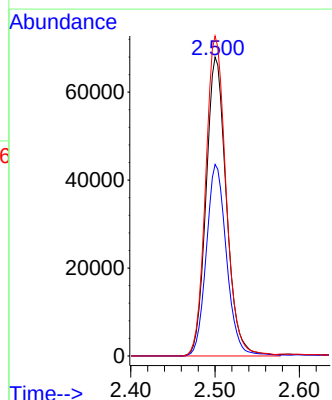
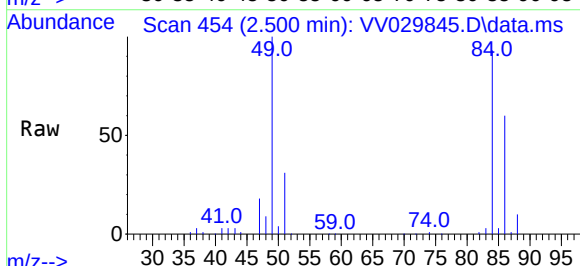
Tgt Ion: 84 Resp: 114304

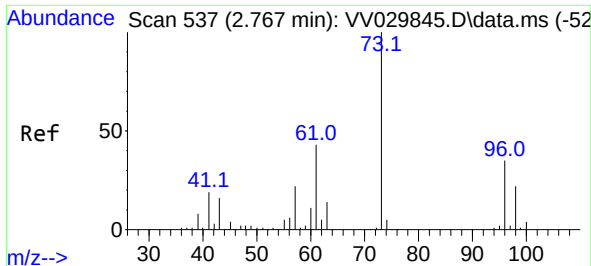
Ion Ratio Lower Upper

84 100

86 64.1 45.0 83.6

49 107.1 71.5 132.7

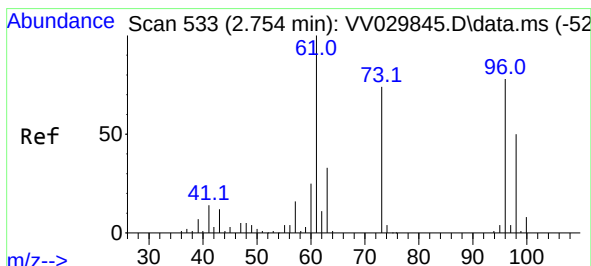
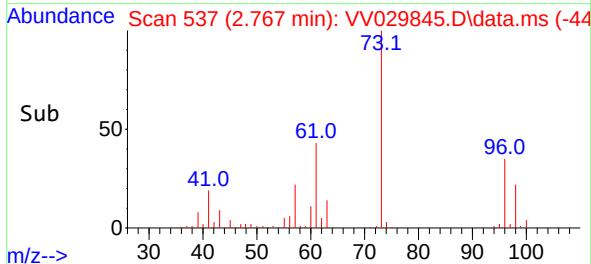
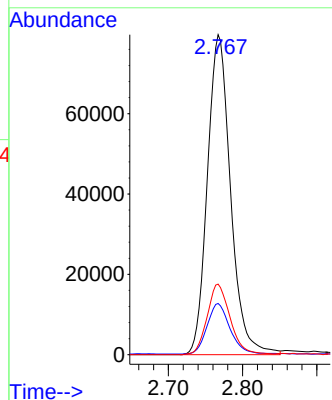
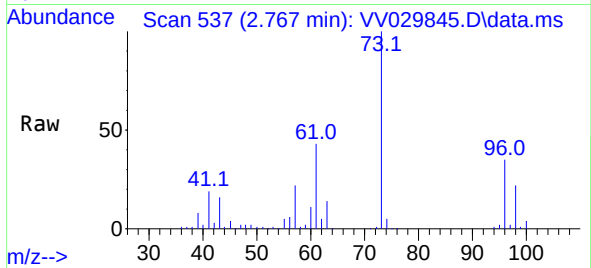




#17
Methyl tert-butyl Ether
Concen: 5.691 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

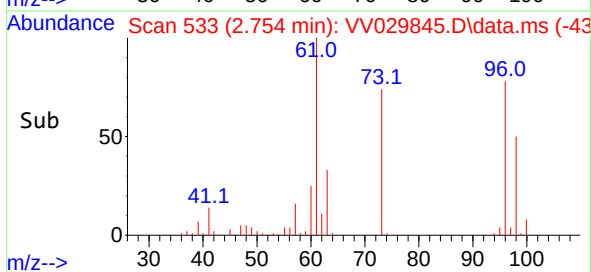
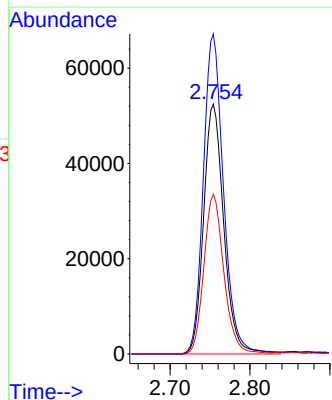
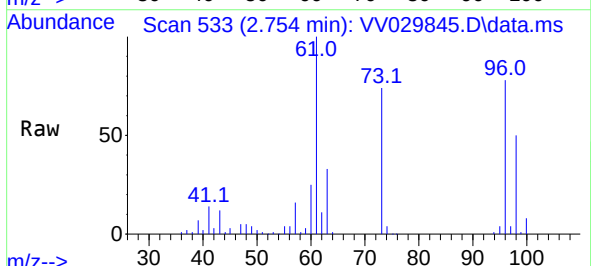
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

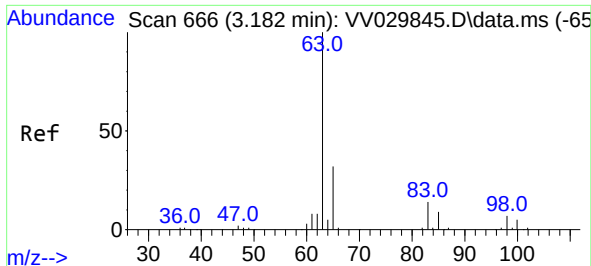
Tgt Ion: 73 Resp: 173120
Ion Ratio Lower Upper
73 100
43 15.6 13.0 19.4
57 21.9 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 5.641 ug/L
RT: 2.754 min Scan# 533
Delta R.T. 0.003 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

Tgt Ion: 96 Resp: 92248
Ion Ratio Lower Upper
96 100
61 128.1 86.1 159.9
98 63.8 43.9 81.5

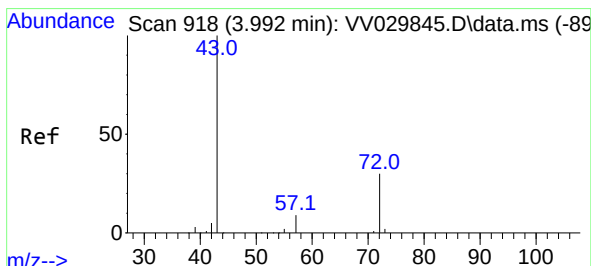
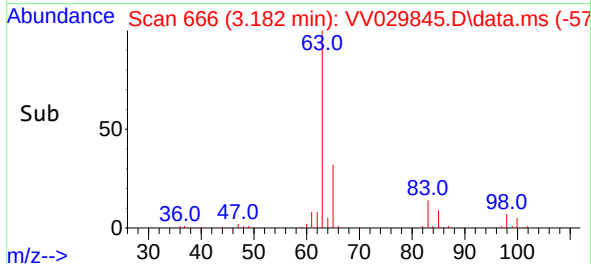
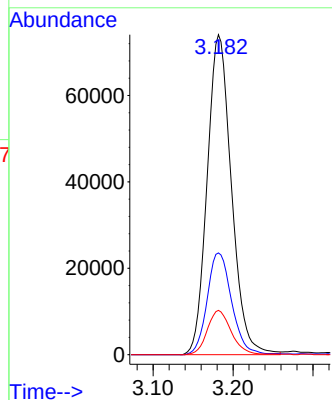
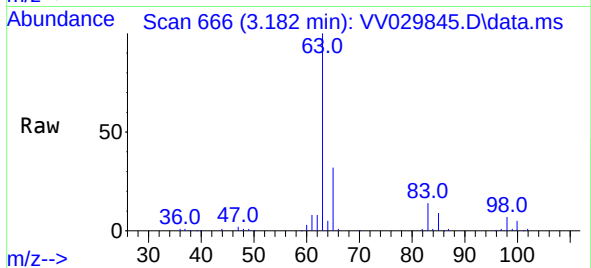




#19
1,1-Dichloroethane
Concen: 5.717 ug/L
RT: 3.182 min Scan# 666
Delta R.T. 0.003 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

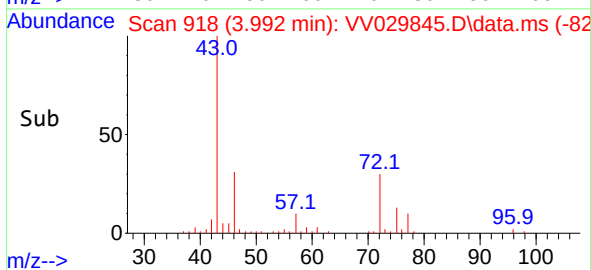
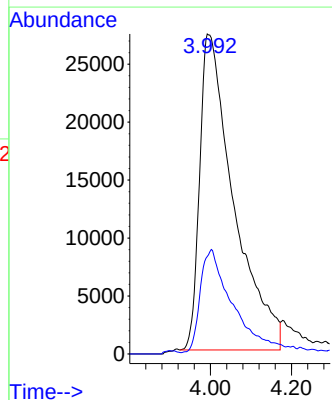
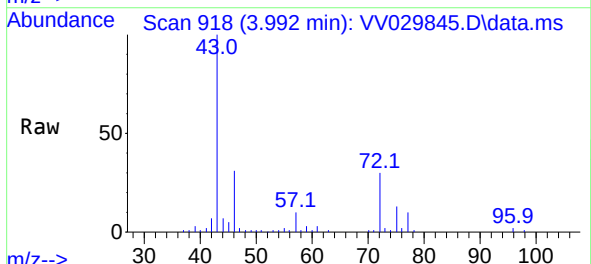
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

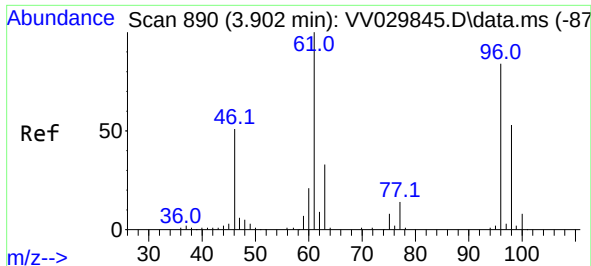
Tgt Ion: 63 Resp: 156426
Ion Ratio Lower Upper
63 100
65 31.8 22.4 41.6
83 13.9 10.2 19.0



#21
2-Butanone
Concen: 56.175 ug/L
RT: 3.992 min Scan# 918
Delta R.T. 0.010 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

Tgt Ion: 43 Resp: 159104
Ion Ratio Lower Upper
43 100
72 31.2 13.9 41.6





#22

cis-1,2-Dichloroethene

Concen: 5.313 ug/L

RT: 3.902 min Scan# 890

Delta R.T. 0.003 min

Lab File: VV029845.D

Acq: 14 Jan 2023 06:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD005384

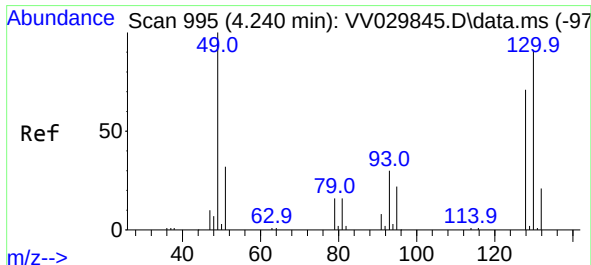
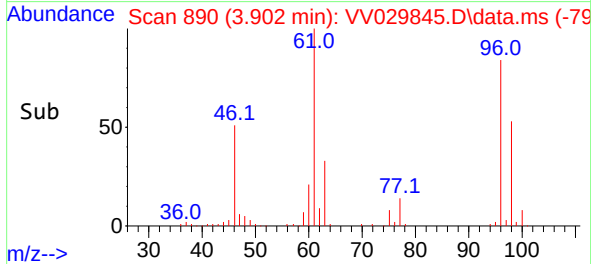
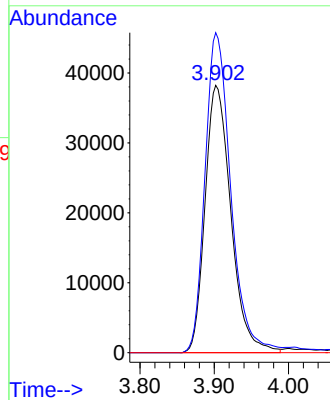
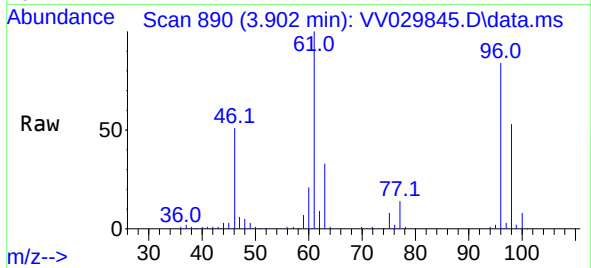
Tgt Ion: 96 Resp: 92591

Ion Ratio Lower Upper

96 100

61 119.7 80.0 148.6

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 5.837 ug/L

RT: 4.240 min Scan# 995

Delta R.T. 0.003 min

Lab File: VV029845.D

Acq: 14 Jan 2023 06:17

Tgt Ion: 128 Resp: 42004

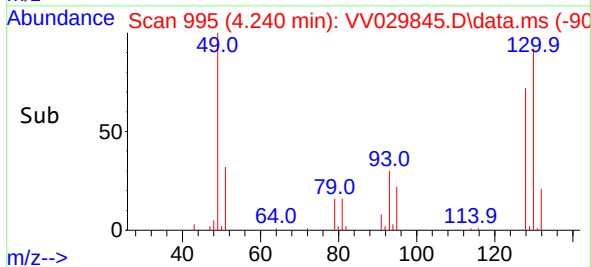
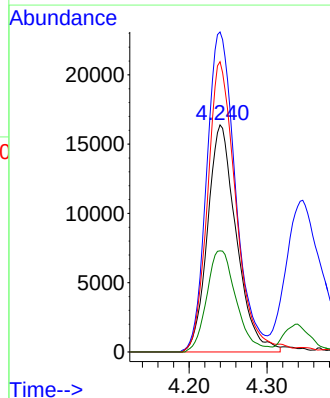
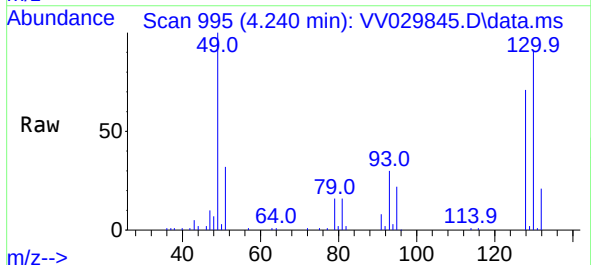
Ion Ratio Lower Upper

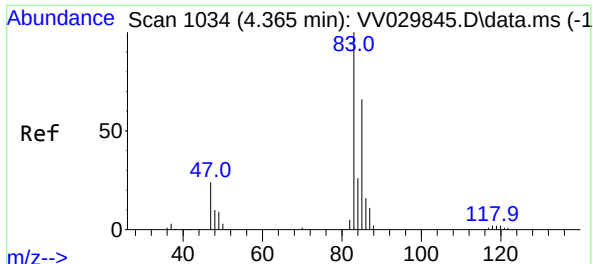
128 100

49 140.9 91.2 169.4

130 127.8 87.0 161.6

51 44.5 35.8 53.6





#25

Chloroform

Concen: 5.391 ug/L

RT: 4.365 min Scan# 1034

Delta R.T. 0.003 min

Lab File: VV029845.D

Acq: 14 Jan 2023 06:17

Instrument :

MSVOA_V

ClientSampleId :

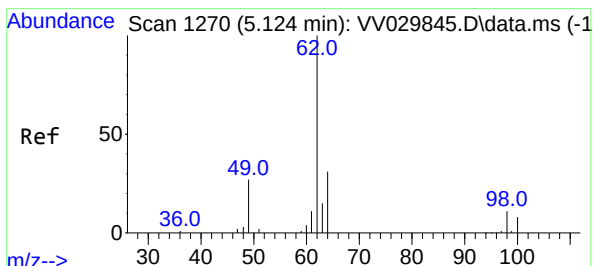
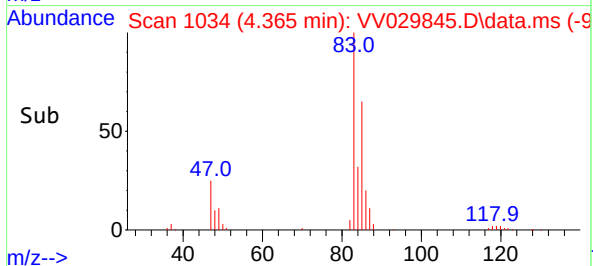
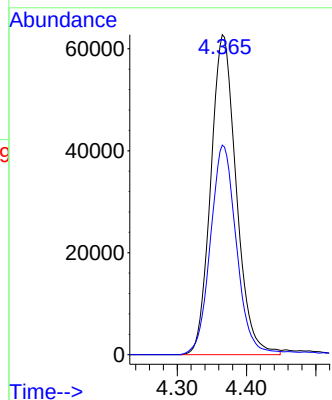
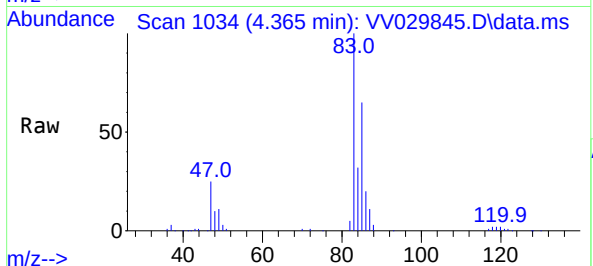
VSTD005384

Tgt Ion: 83 Resp: 160320

Ion Ratio Lower Upper

83 100

85 65.5 46.5 86.5



#27

1,2-Dichloroethane

Concen: 6.037 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. 0.003 min

Lab File: VV029845.D

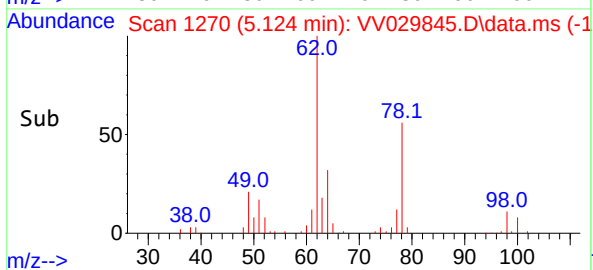
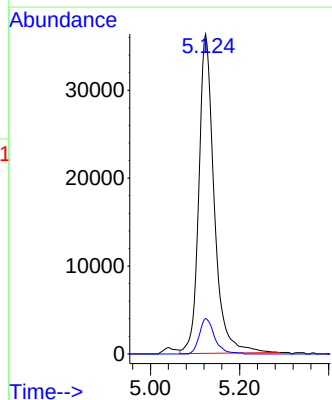
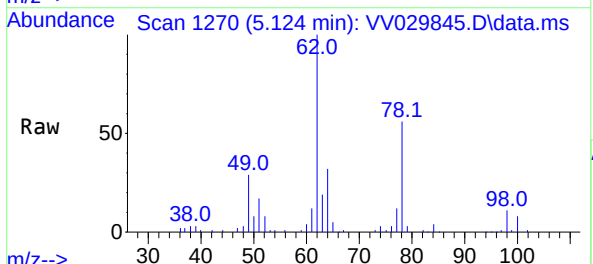
Acq: 14 Jan 2023 06:17

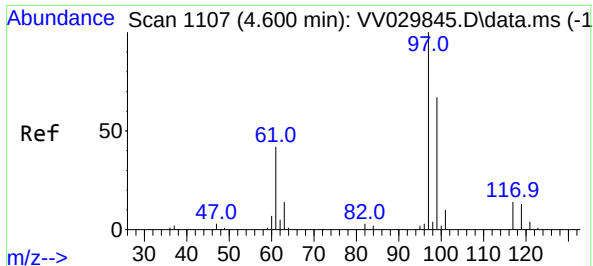
Tgt Ion: 62 Resp: 87230

Ion Ratio Lower Upper

62 100

98 11.1 8.9 13.3



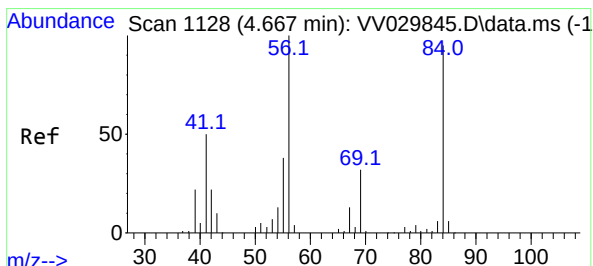
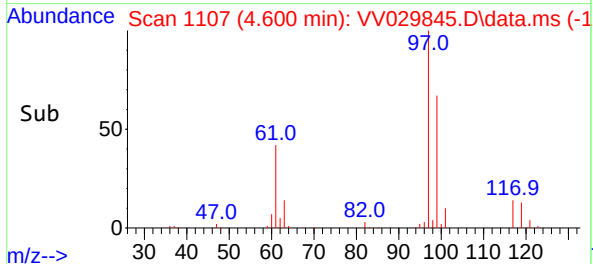
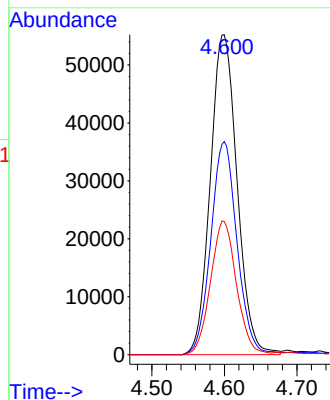
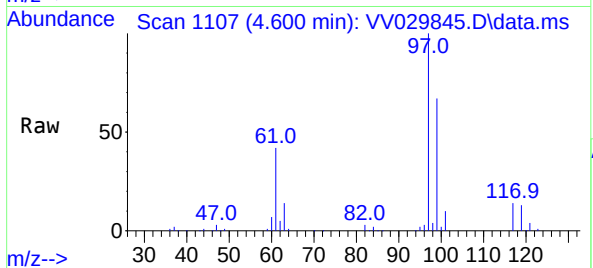


#29
1,1,1-Trichloroethane
Concen: 5.439 ug/L
RT: 4.600 min Scan# 1107
Delta R.T. 0.003 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

Tgt Ion: 97 Resp: 142032

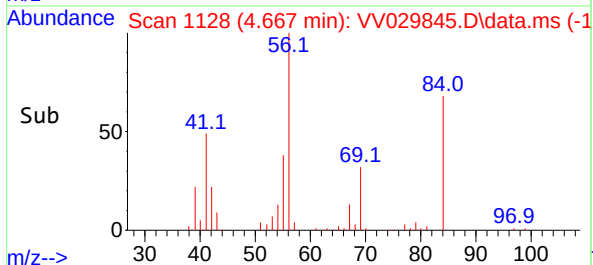
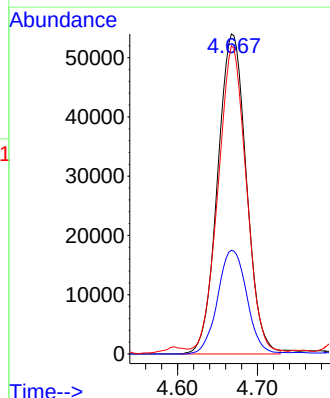
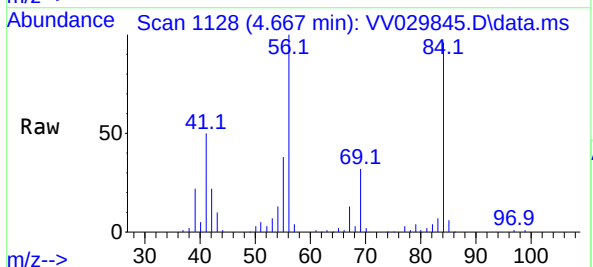
Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.3	76.9
61	40.4	31.6	47.4

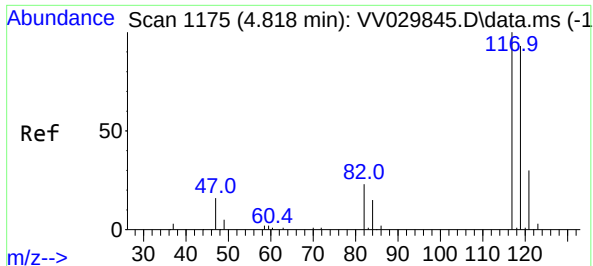


#30
Cyclohexane
Concen: 5.454 ug/L
RT: 4.667 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

Tgt Ion: 56 Resp: 134837

Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.7	40.1
84	93.5	73.8	110.8

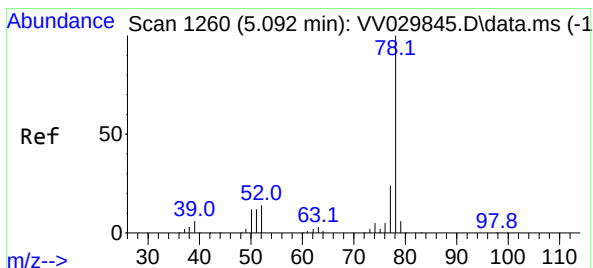
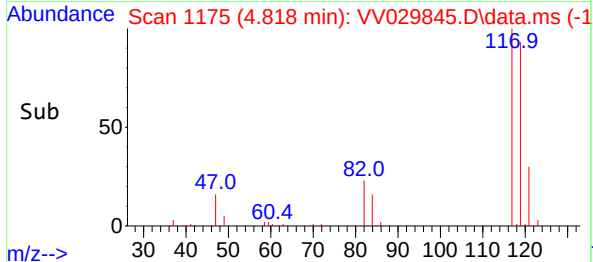
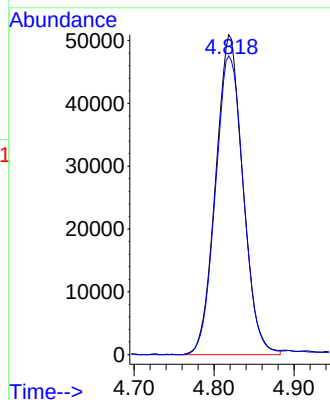
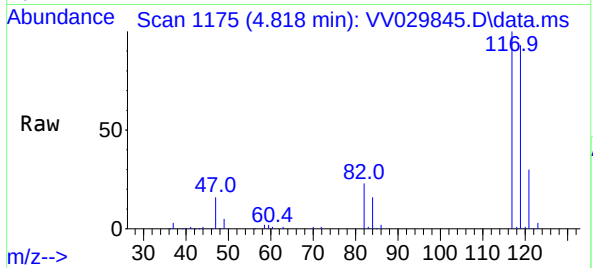




#31
Carbon tetrachloride
Concen: 5.284 ug/L
RT: 4.818 min Scan# 1175
Delta R.T. 0.003 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

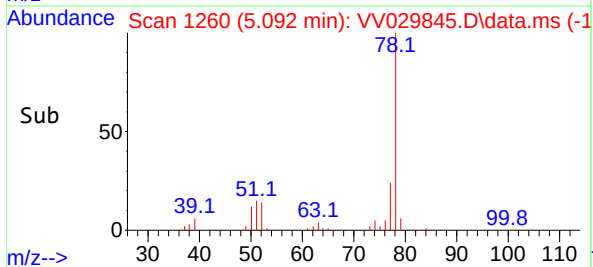
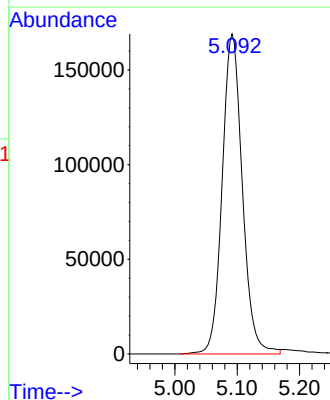
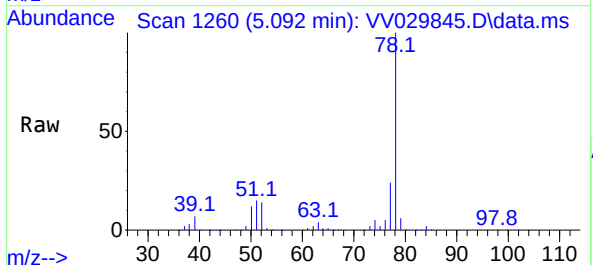
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

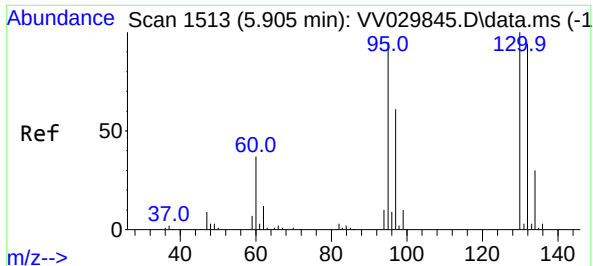
Tgt Ion:117 Resp: 120069
Ion Ratio Lower Upper
117 100
119 96.6 76.6 114.8



#33
Benzene
Concen: 5.707 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. 0.003 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

Tgt Ion: 78 Resp: 379464



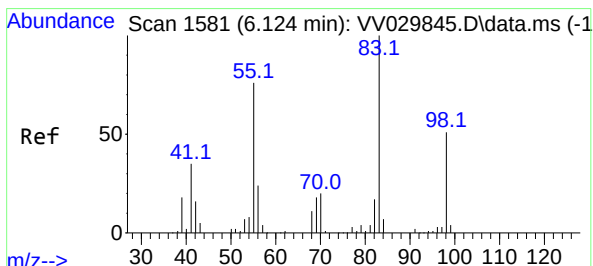
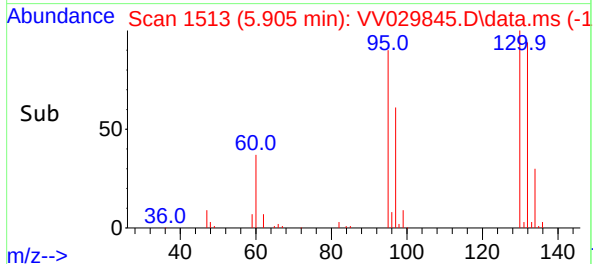
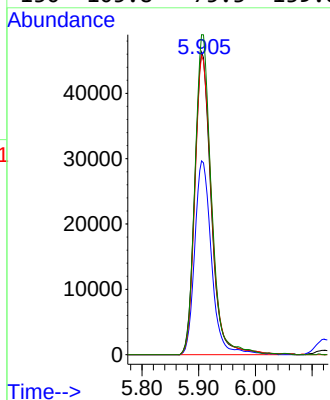
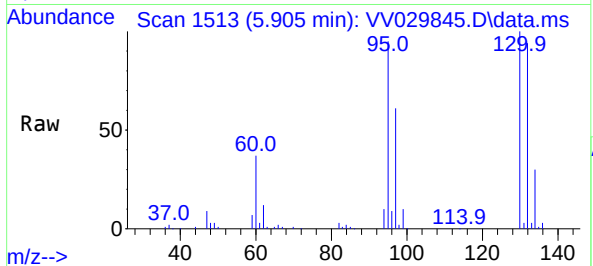


#34
Trichloroethene
Concen: 5.571 ug/L
RT: 5.905 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

Tgt Ion: 95 Resp: 93875

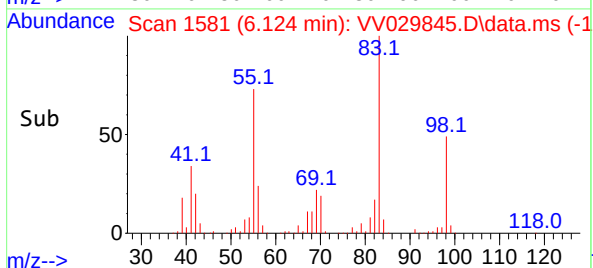
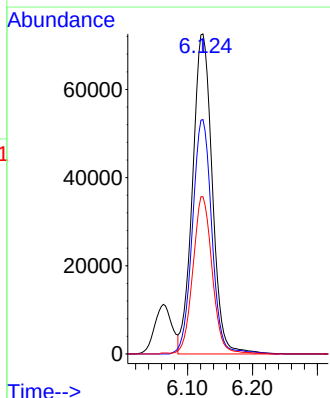
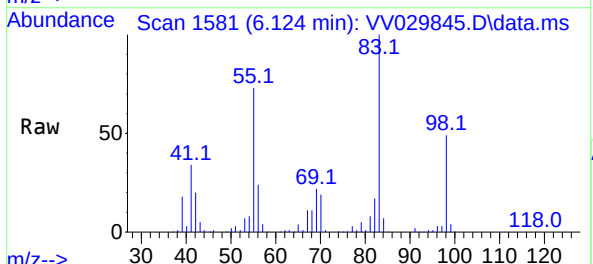
Ion	Ratio	Lower	Upper
95	100		
97	64.1	44.9	83.3
132	98.9	71.8	133.4
130	105.8	75.3	139.8

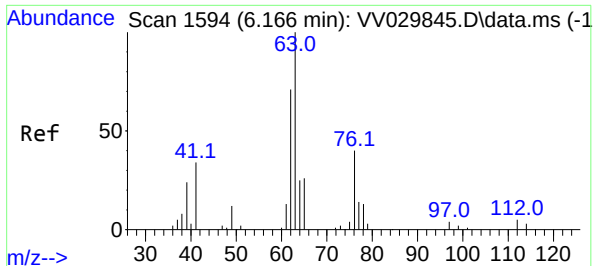


#35
Methylcyclohexane
Concen: 5.397 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. 0.003 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

Tgt Ion: 83 Resp: 153532

Ion	Ratio	Lower	Upper
83	100		
55	72.0	57.3	85.9
98	48.1	39.0	58.6

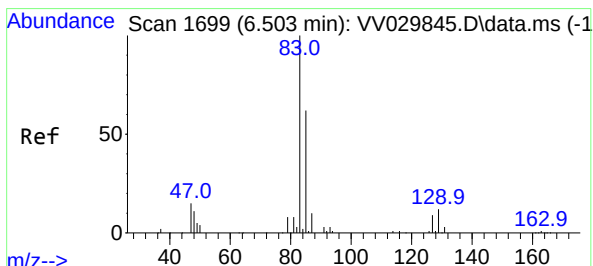
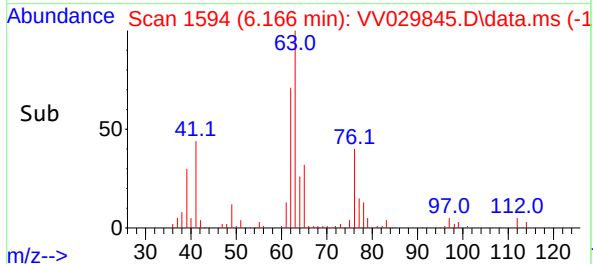
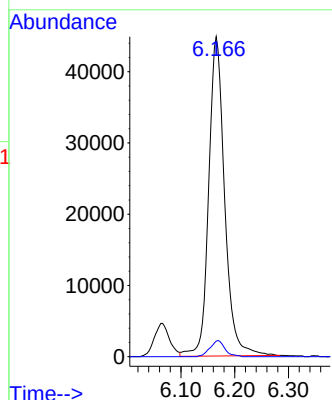
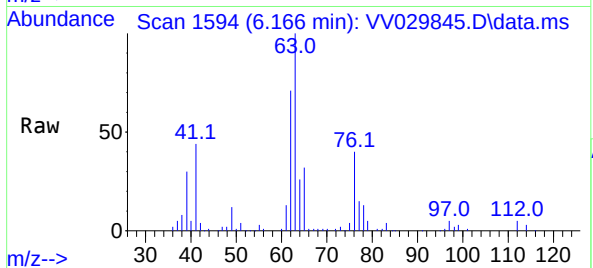




#37
1,2-Dichloropropane
Concen: 5.935 ug/L
RT: 6.166 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

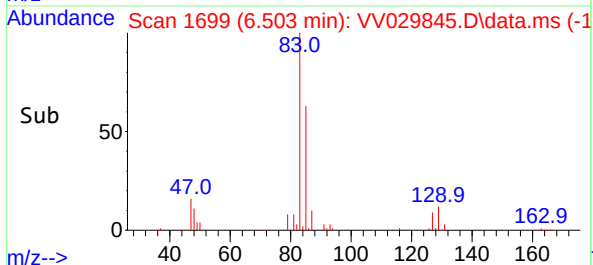
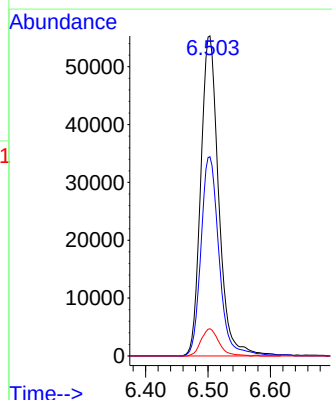
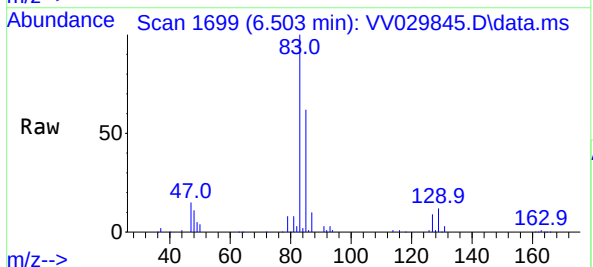
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

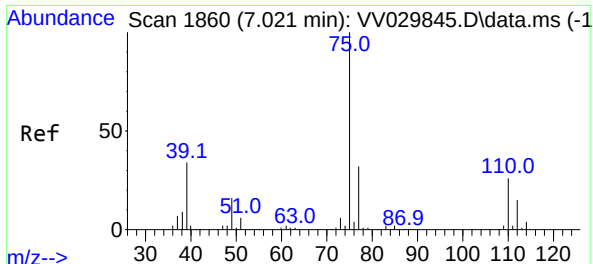
Tgt Ion: 63 Resp: 92415
Ion Ratio Lower Upper
63 100
112 4.7 3.9 5.9



#38
Bromodichloromethane
Concen: 5.488 ug/L
RT: 6.503 min Scan# 1699
Delta R.T. 0.003 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

Tgt Ion: 83 Resp: 110518
Ion Ratio Lower Upper
83 100
85 62.3 43.2 80.2
127 8.5 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 4.976 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. 0.003 min

Lab File: VV029845.D

Acq: 14 Jan 2023 06:17

Instrument :

MSVOA_V

ClientSampleId :

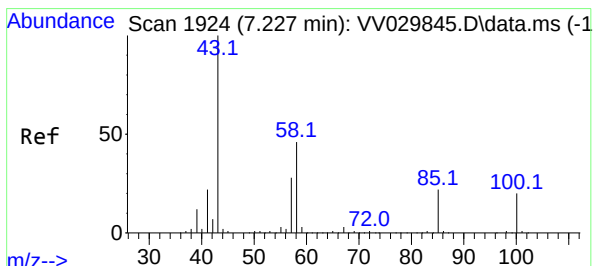
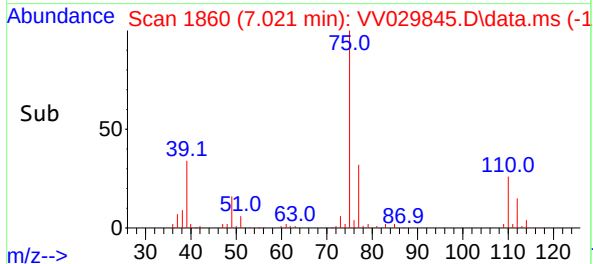
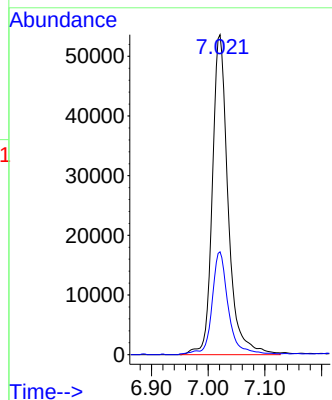
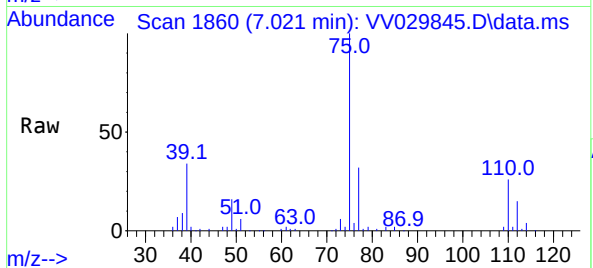
VSTD005384

Tgt Ion: 75 Resp: 103894

Ion Ratio Lower Upper

75 100

77 32.2 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 61.003 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.003 min

Lab File: VV029845.D

Acq: 14 Jan 2023 06:17

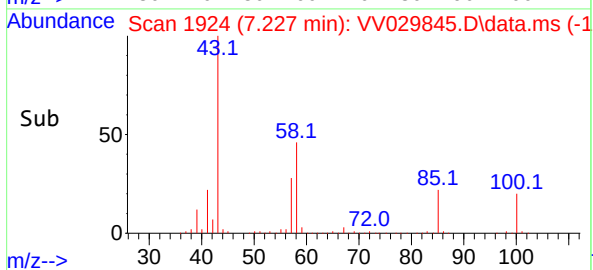
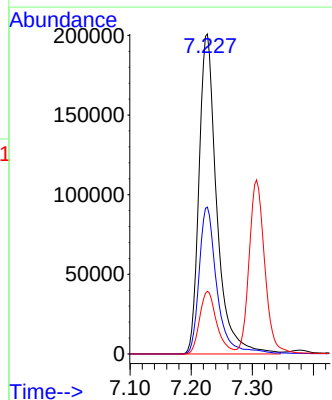
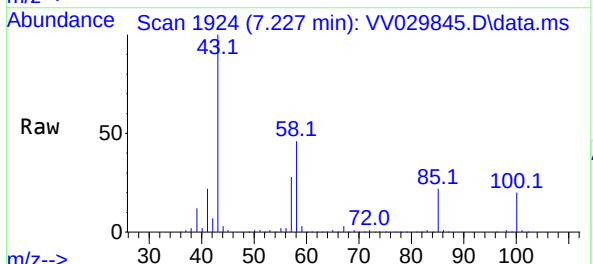
Tgt Ion: 43 Resp: 405356

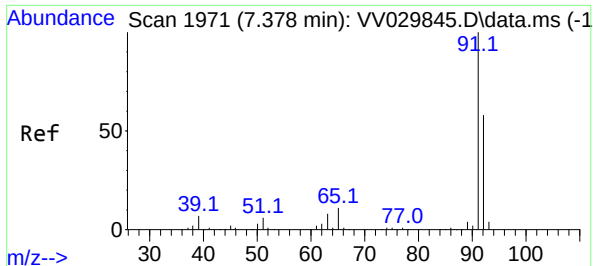
Ion Ratio Lower Upper

43 100

58 46.0 36.7 55.1

100 18.9 15.6 23.4





#42

Toluene

Concen: 5.799 ug/L

RT: 7.378 min Scan# 1971

Delta R.T. -0.000 min

Lab File: VV029845.D

Acq: 14 Jan 2023 06:17

Instrument :

MSVOA_V

ClientSampleId :

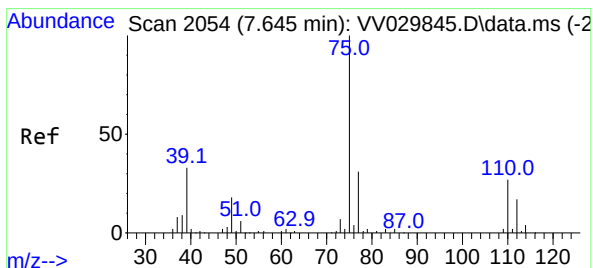
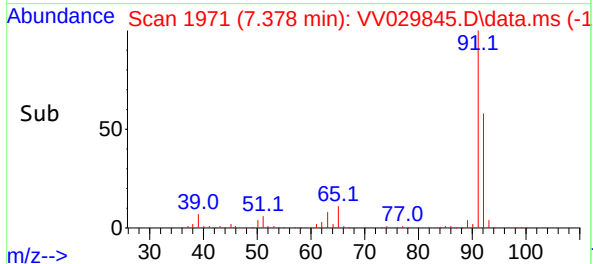
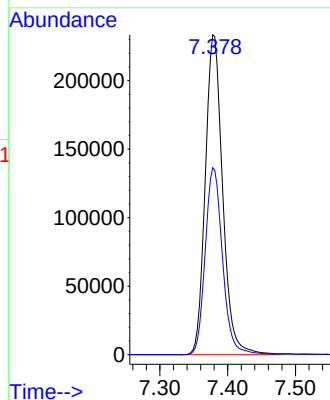
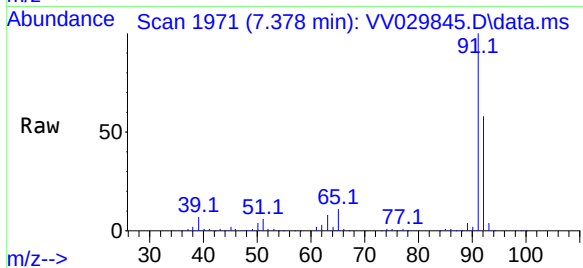
VSTD005384

Tgt Ion: 91 Resp: 415857

Ion Ratio Lower Upper

91 100

92 58.5 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.046 ug/L

RT: 7.645 min Scan# 2054

Delta R.T. 0.003 min

Lab File: VV029845.D

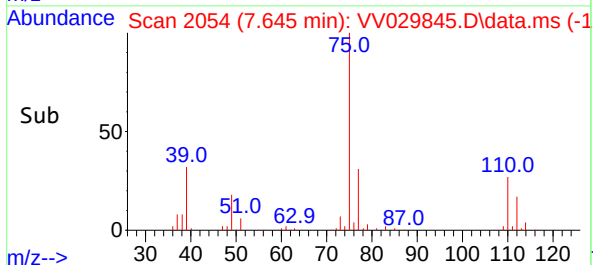
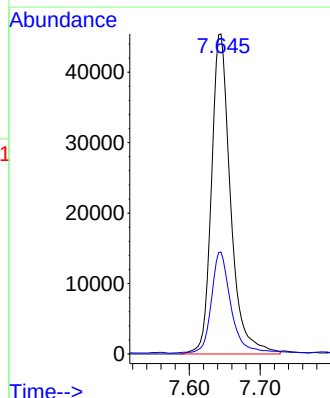
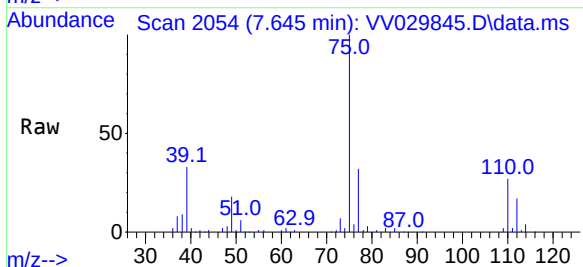
Acq: 14 Jan 2023 06:17

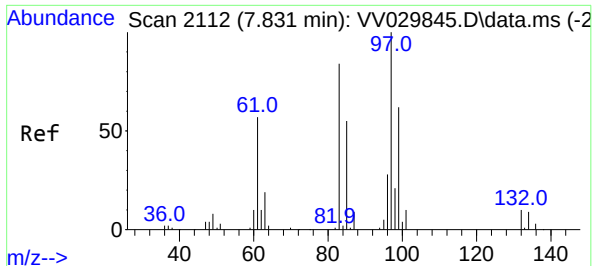
Tgt Ion: 75 Resp: 84912

Ion Ratio Lower Upper

75 100

77 31.9 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 5.571 ug/L

RT: 7.831 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VV029845.D

Acq: 14 Jan 2023 06:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD005384

Tgt Ion: 97 Resp: 62495

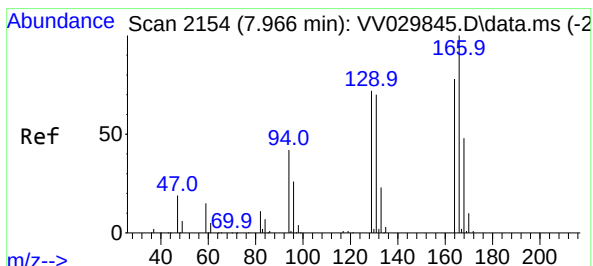
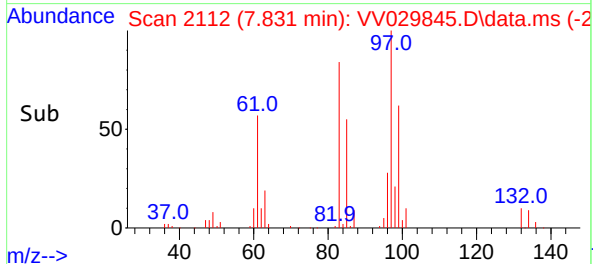
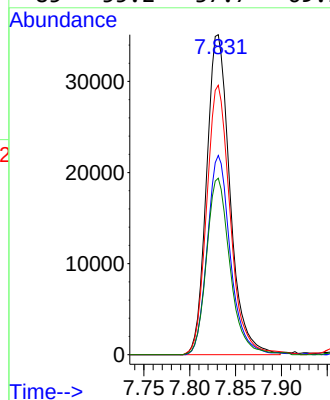
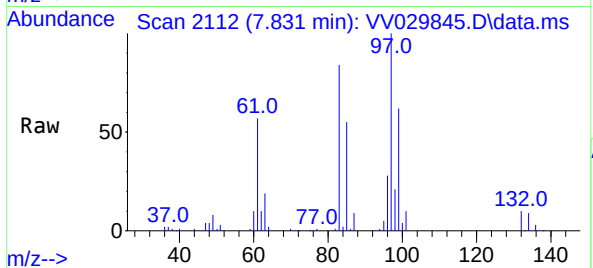
Ion Ratio Lower Upper

97 100

99 62.2 41.9 77.7

83 84.2 58.7 109.1

85 55.2 37.7 69.9



#47

Tetrachloroethene

Concen: 5.463 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. -0.000 min

Lab File: VV029845.D

Acq: 14 Jan 2023 06:17

Tgt Ion: 164 Resp: 77496

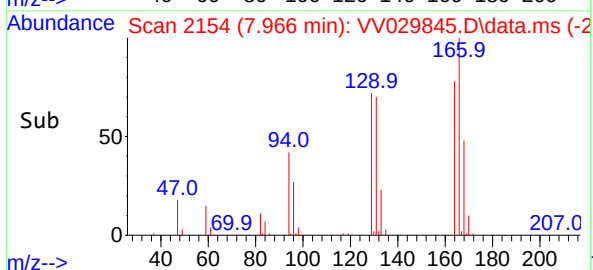
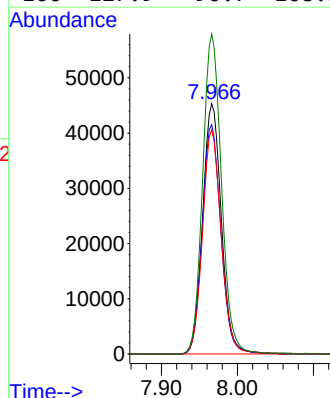
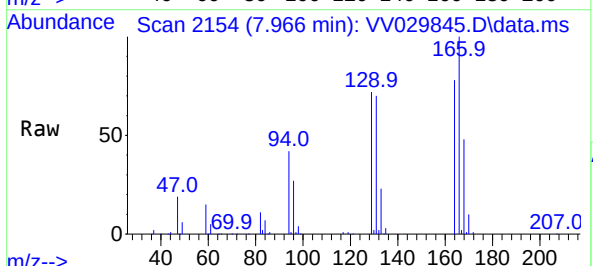
Ion Ratio Lower Upper

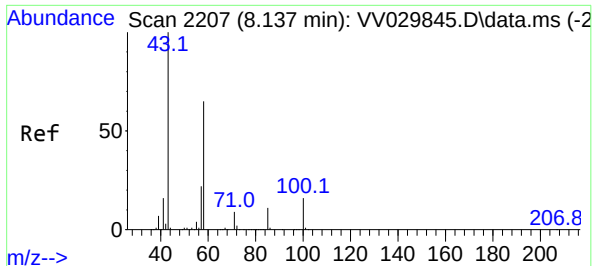
164 100

129 91.6 64.5 119.7

131 89.6 62.9 116.7

166 127.9 90.7 168.5





#48

2-Hexanone

Concen: 60.508 ug/L

RT: 8.137 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV029845.D

Acq: 14 Jan 2023 06:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD005384

Tgt Ion: 43 Resp: 287383

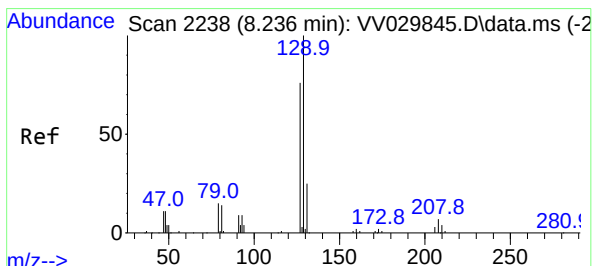
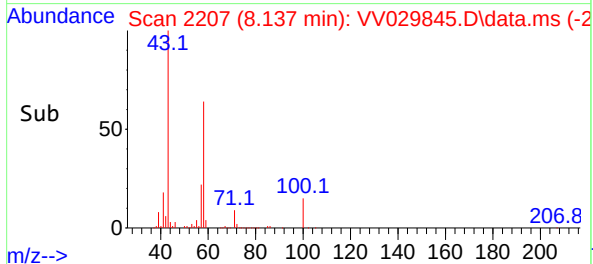
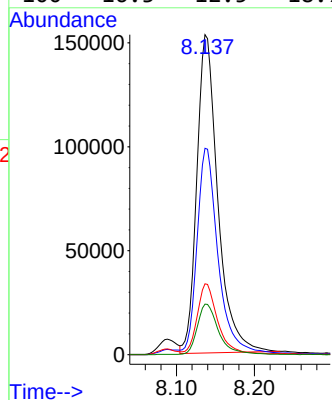
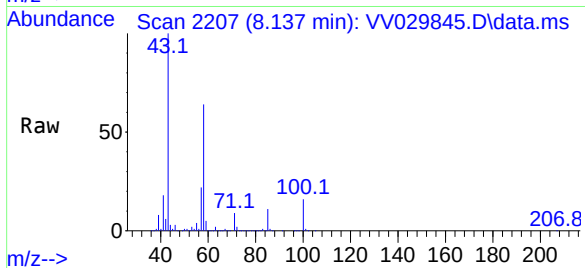
Ion Ratio Lower Upper

43 100

58 64.2 51.4 77.2

57 21.3 17.0 25.6

100 16.3 12.5 18.7



#49

Dibromochloromethane

Concen: 5.246 ug/L

RT: 8.236 min Scan# 2238

Delta R.T. -0.000 min

Lab File: VV029845.D

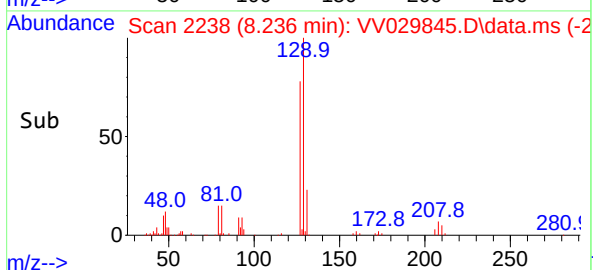
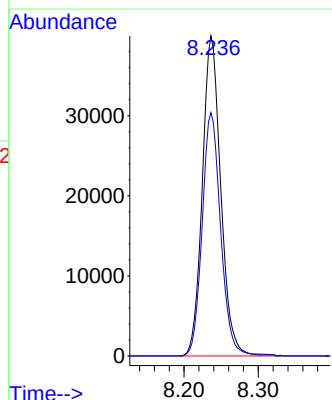
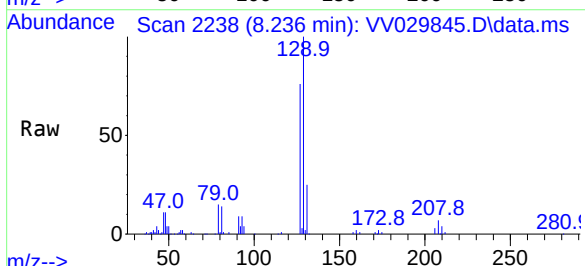
Acq: 14 Jan 2023 06:17

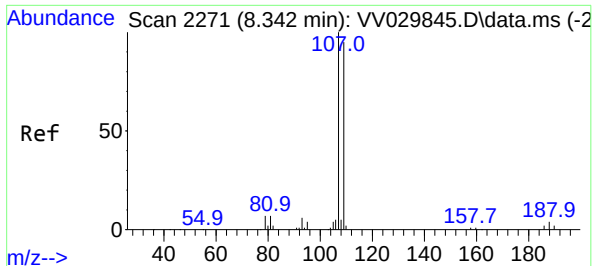
Tgt Ion: 129 Resp: 69068

Ion Ratio Lower Upper

129 100

127 76.1 54.1 100.5

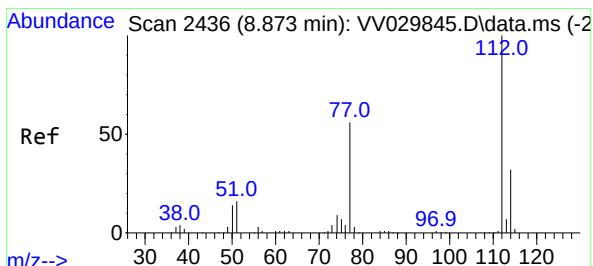
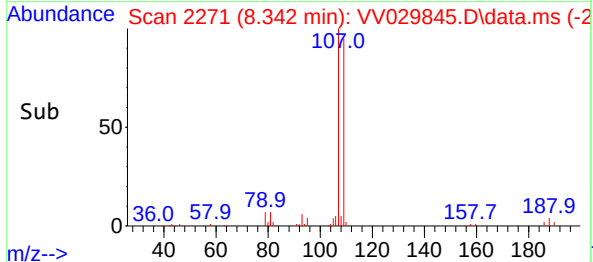
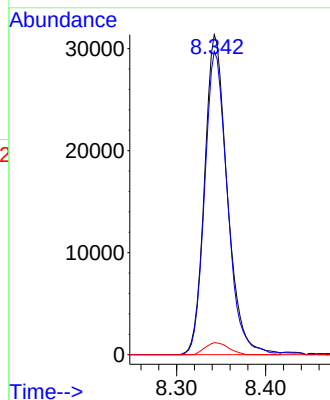
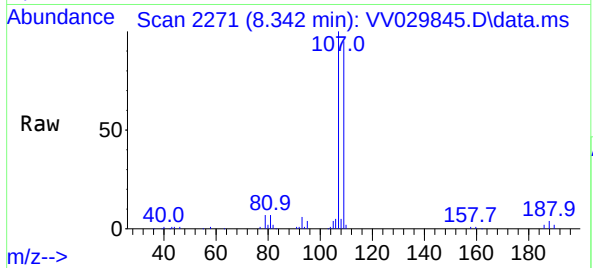




#50
1,2-Dibromoethane
Concen: 5.717 ug/L
RT: 8.342 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

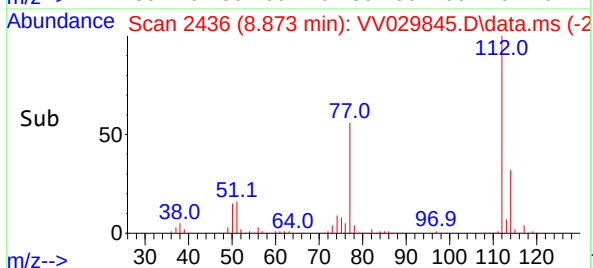
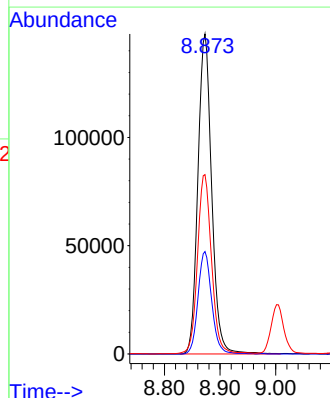
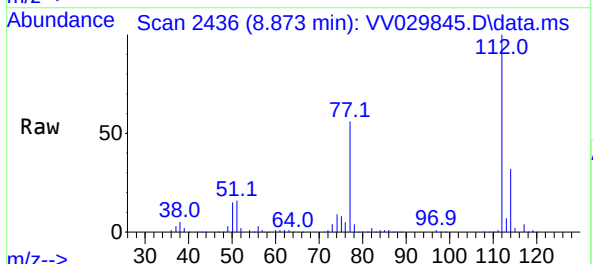
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

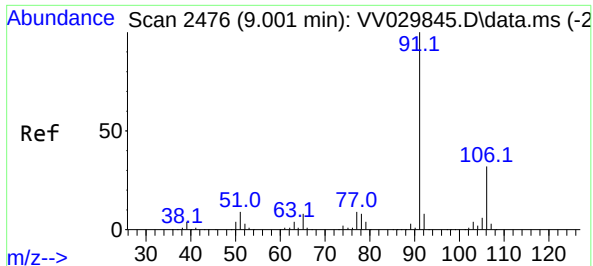
Tgt Ion:107 Resp: 55673
Ion Ratio Lower Upper
107 100
109 94.8 66.1 122.7
188 3.8 2.9 4.3



#51
Chlorobenzene
Concen: 5.580 ug/L
RT: 8.873 min Scan# 2436
Delta R.T. -0.000 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

Tgt Ion:112 Resp: 254086
Ion Ratio Lower Upper
112 100
114 32.0 22.5 41.9
77 56.0 46.1 69.1

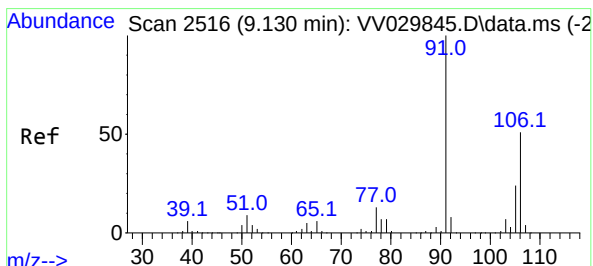
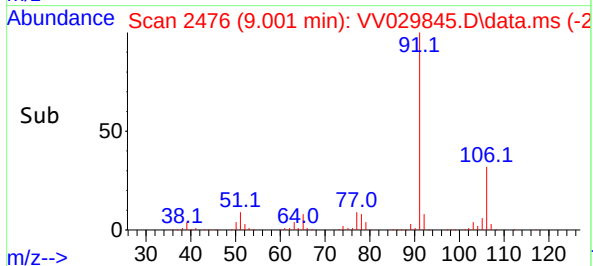
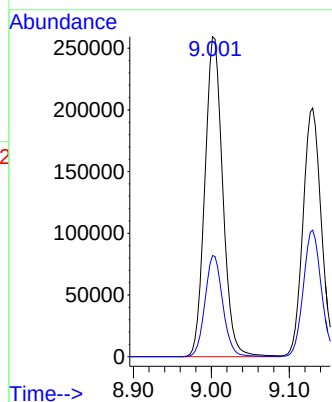
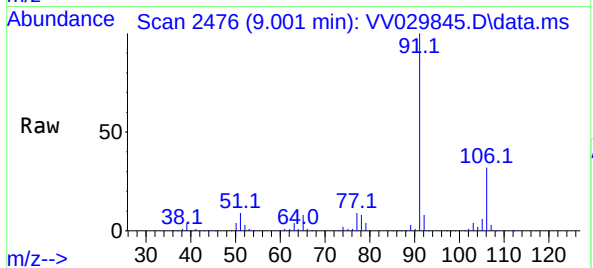




#52
Ethylbenzene
Concen: 5.499 ug/L
RT: 9.001 min Scan# 2476
Delta R.T. -0.000 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

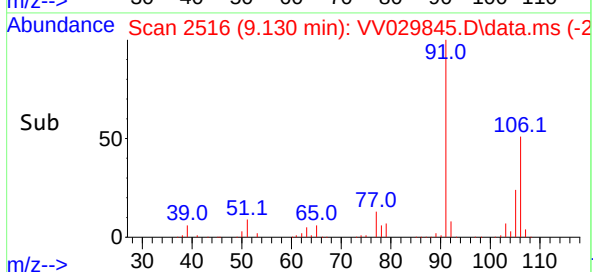
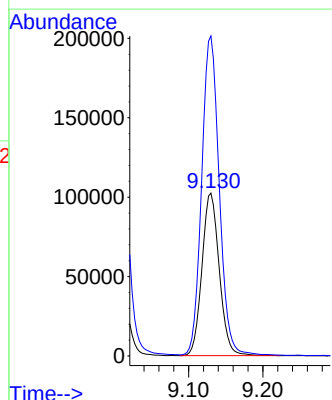
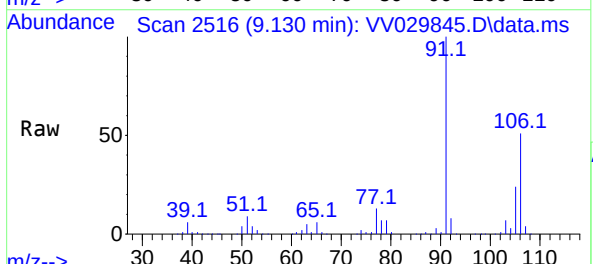
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

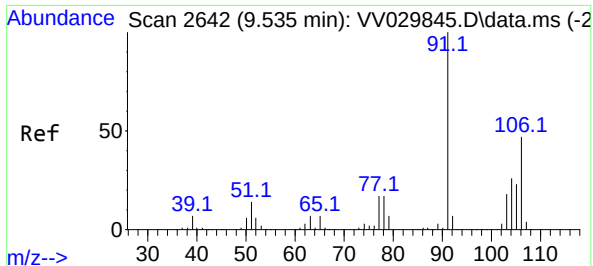
Tgt Ion: 91 Resp: 412710
Ion Ratio Lower Upper
91 100
106 31.6 21.9 40.7



#53
m,p-Xylene
Concen: 5.578 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. -0.000 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

Tgt Ion: 106 Resp: 165693
Ion Ratio Lower Upper
106 100
91 196.5 138.7 257.7

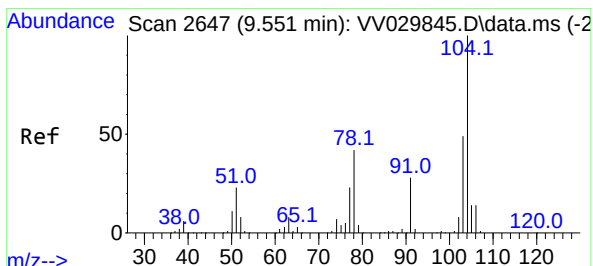
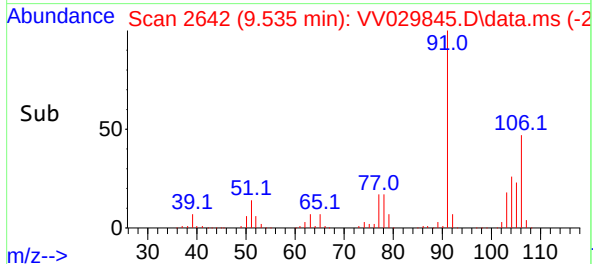
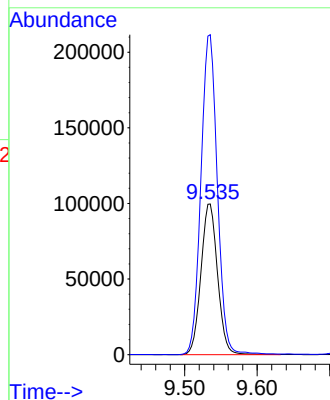
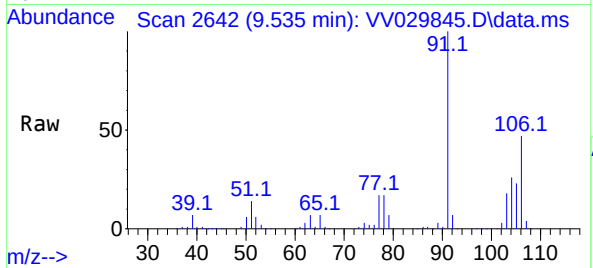




#54
o-Xylene
Concen: 5.617 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.003 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

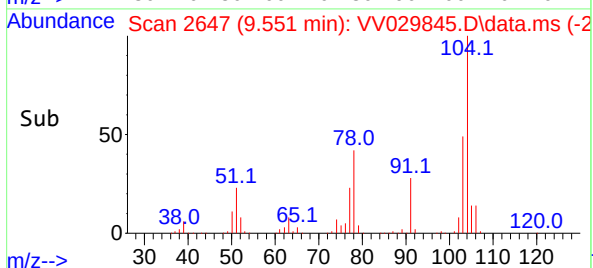
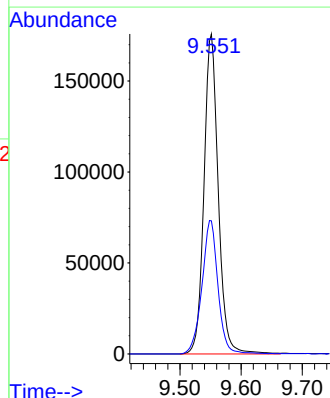
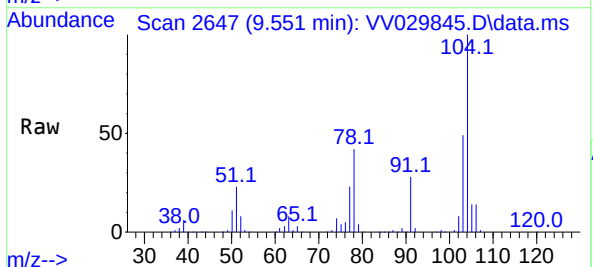
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

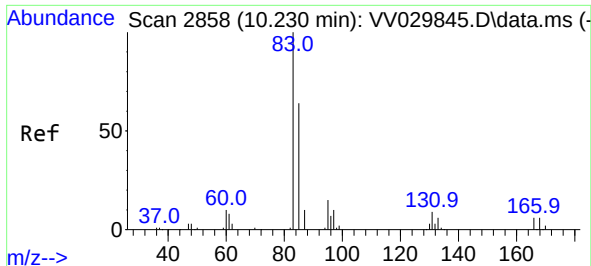
Tgt Ion:106 Resp: 158378
Ion Ratio Lower Upper
106 100
91 212.2 147.7 274.3



#55
Styrene
Concen: 5.892 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. -0.000 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

Tgt Ion:104 Resp: 285720
Ion Ratio Lower Upper
104 100
78 41.6 28.6 53.2

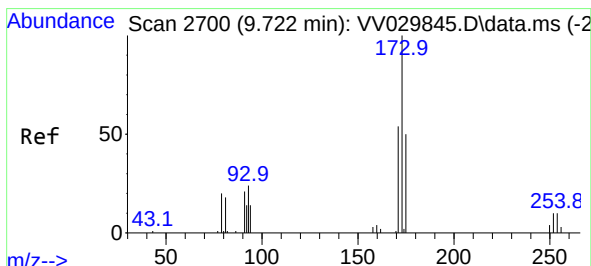
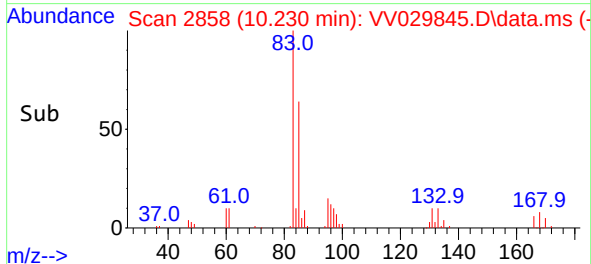
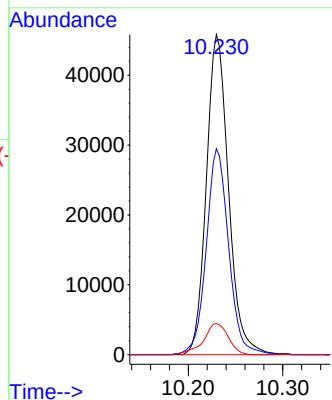
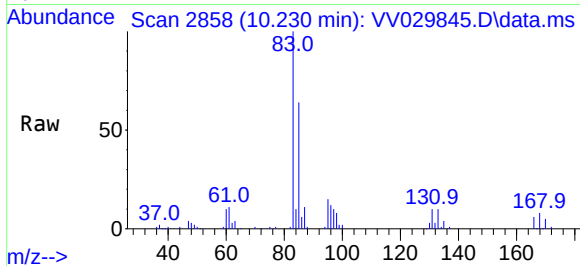




#57
1,1,2-Tetrachloroethane
Concen: 5.982 ug/L
RT: 10.230 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

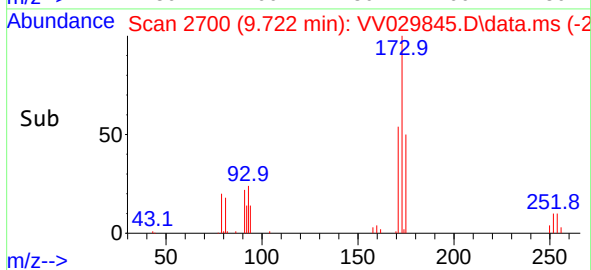
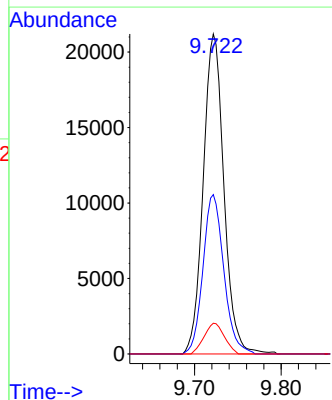
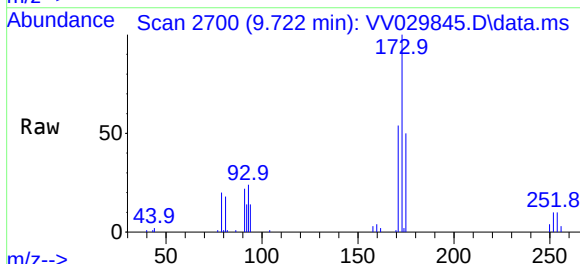
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

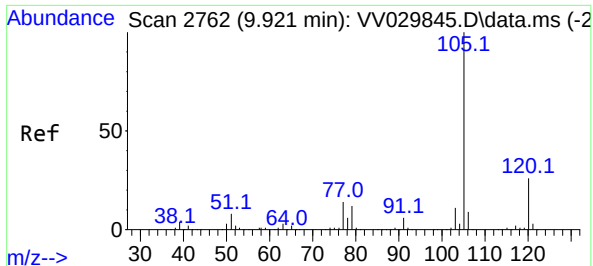
Tgt Ion:	83	Resp:	74552
Ion	Ratio	Lower	Upper
83	100		
85	64.4	46.0	85.4
131	9.8	8.4	12.6



#59
Bromoform
Concen: 4.609 ug/L
RT: 9.722 min Scan# 2700
Delta R.T. 0.003 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

Tgt Ion:	173	Resp:	35206
Ion	Ratio	Lower	Upper
173	100		
175	50.2	38.6	57.8
254	9.4	7.9	11.9

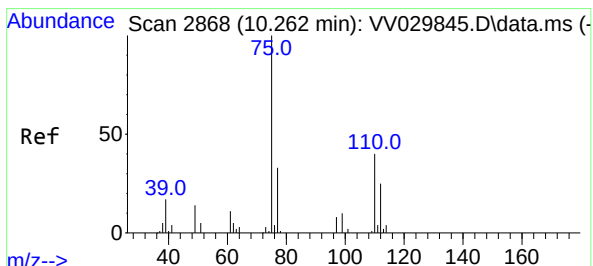
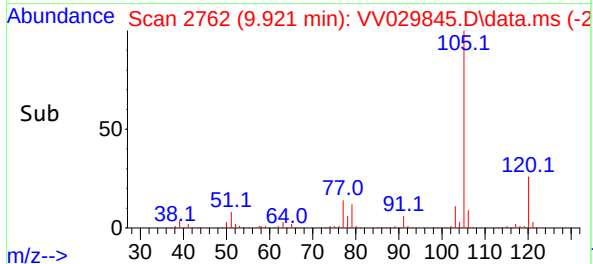
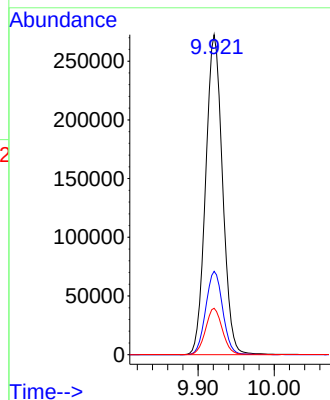
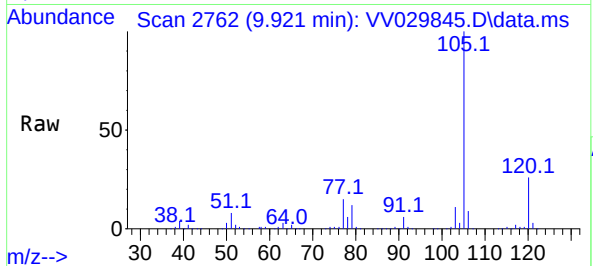




#60
Isopropylbenzene
Concen: 5.578 ug/L
RT: 9.921 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

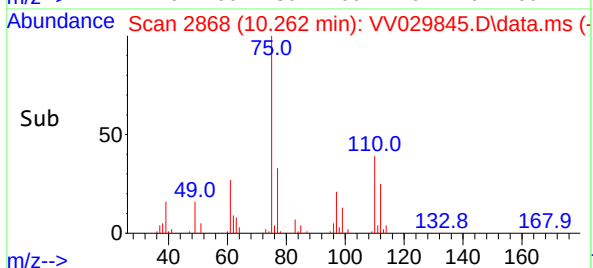
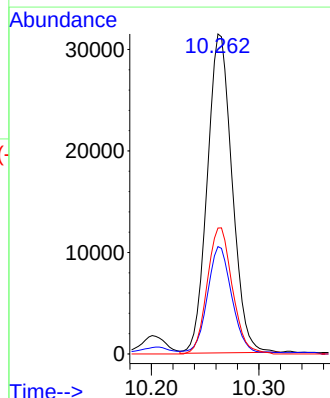
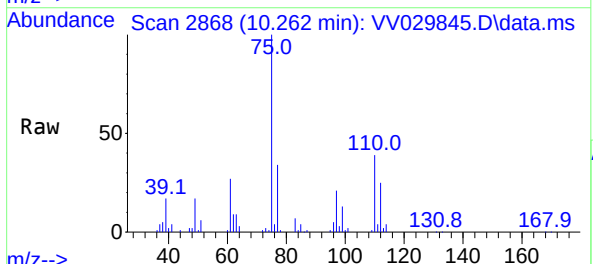
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

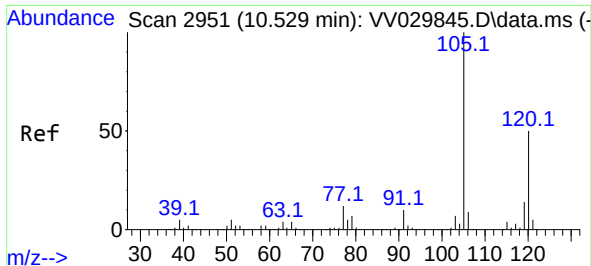
Tgt Ion:105 Resp: 420499
Ion Ratio Lower Upper
105 100
120 26.3 21.2 31.8
77 14.4 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 5.766 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. -0.000 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

Tgt Ion: 75 Resp: 50352
Ion Ratio Lower Upper
75 100
77 32.4 26.5 39.7
110 40.0 31.8 47.8

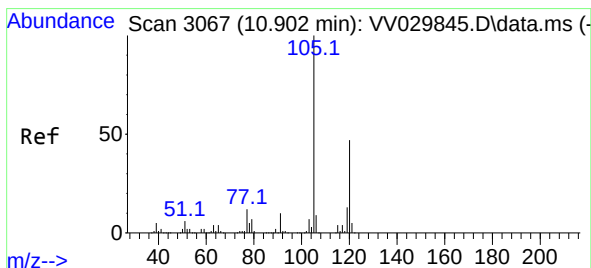
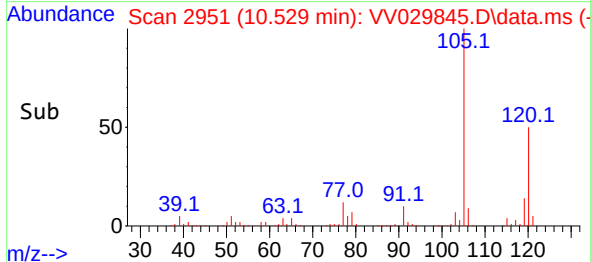
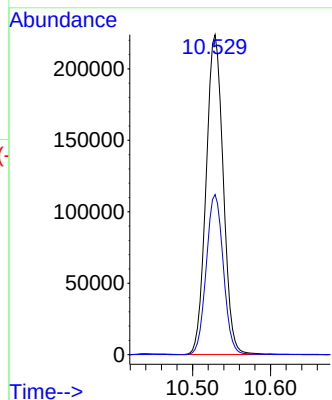
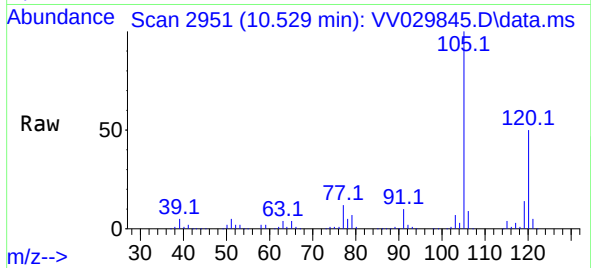




#62
1,3,5-Trimethylbenzene
Concen: 5.288 ug/L
RT: 10.529 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

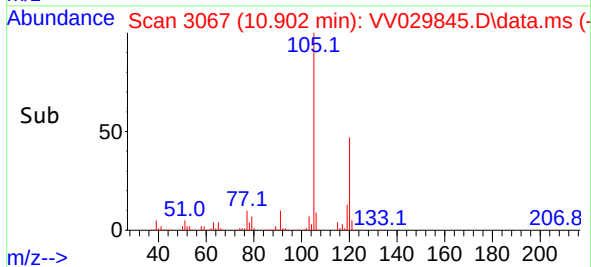
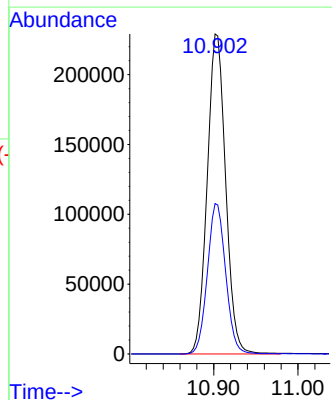
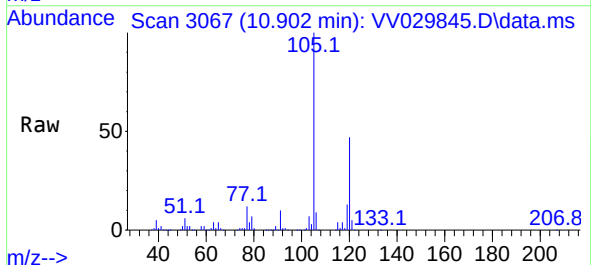
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

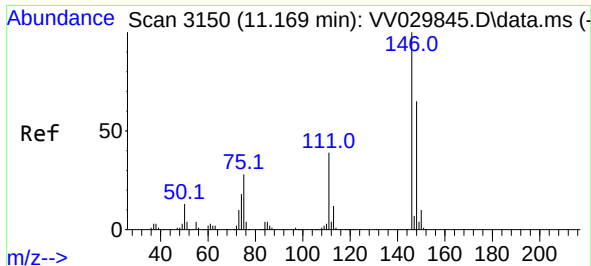
Tgt Ion:105 Resp: 341613
Ion Ratio Lower Upper
105 100
120 50.1 40.1 60.1



#63
1,2,4-Trimethylbenzene
Concen: 5.416 ug/L
RT: 10.902 min Scan# 3067
Delta R.T. -0.000 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

Tgt Ion:105 Resp: 348888
Ion Ratio Lower Upper
105 100
120 46.5 37.4 56.0

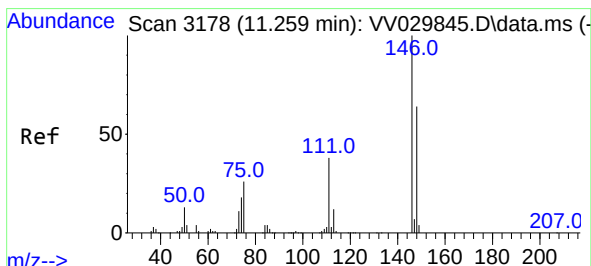
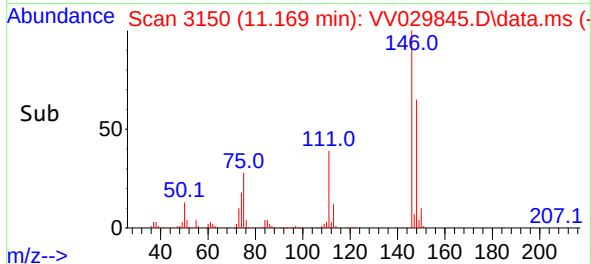
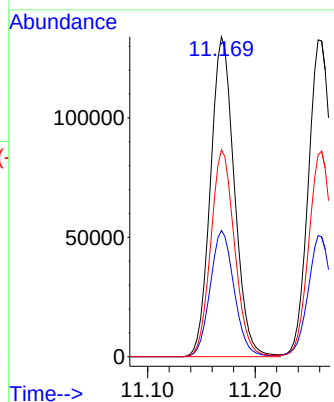
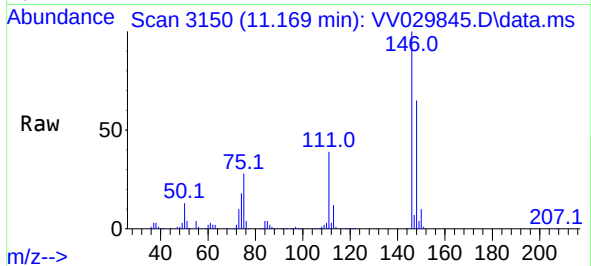




#64
1,3-Dichlorobenzene
Concen: 5.396 ug/L
RT: 11.169 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

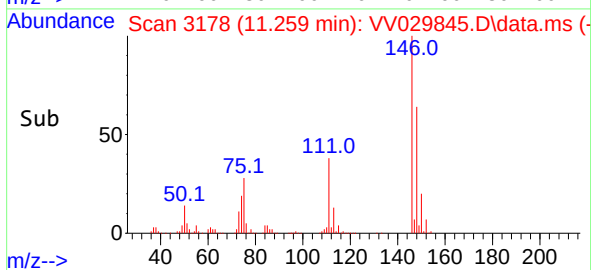
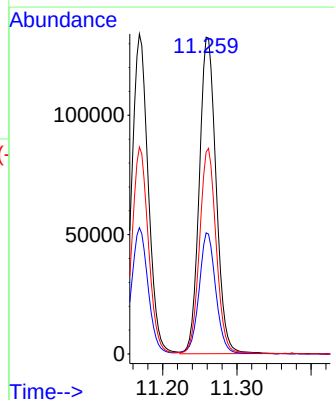
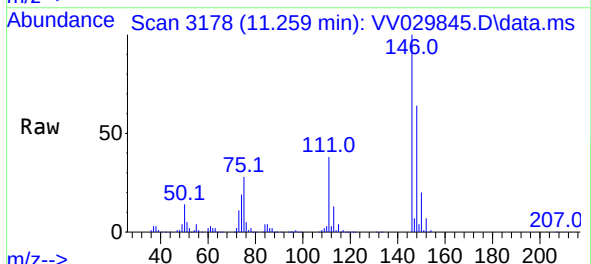
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

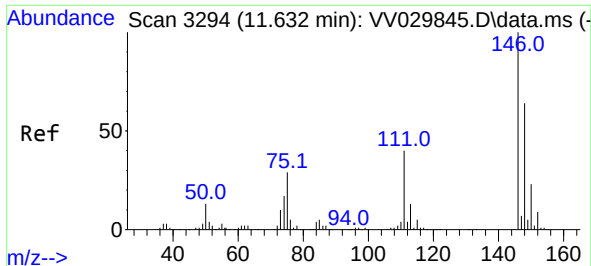
Tgt Ion:146 Resp: 206591
Ion Ratio Lower Upper
146 100
111 39.5 27.2 50.6
148 64.6 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 5.479 ug/L
RT: 11.259 min Scan# 3178
Delta R.T. -0.003 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

Tgt Ion:146 Resp: 209092
Ion Ratio Lower Upper
146 100
111 38.2 26.5 49.1
148 63.8 45.8 85.2





#67

1,2-Dichlorobenzene

Concen: 5.393 ug/L

RT: 11.632 min Scan# 3294

Delta R.T. -0.000 min

Lab File: VV029845.D

Acq: 14 Jan 2023 06:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD005384

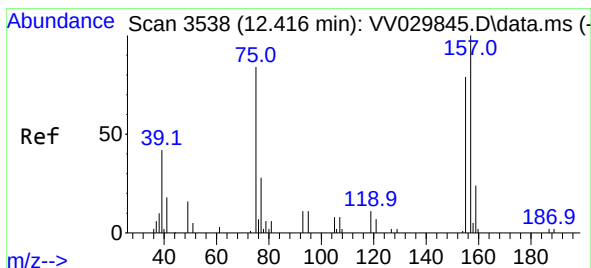
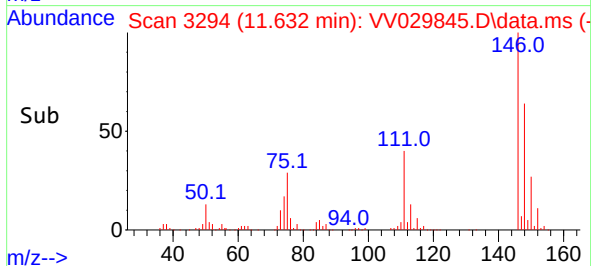
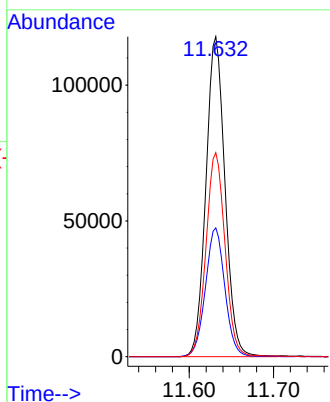
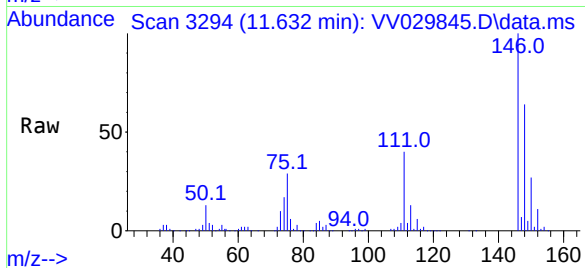
Tgt Ion:146 Resp: 185610

Ion Ratio Lower Upper

146 100

111 40.3 31.8 47.8

148 63.7 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 4.631 ug/L

RT: 12.416 min Scan# 3538

Delta R.T. -0.000 min

Lab File: VV029845.D

Acq: 14 Jan 2023 06:17

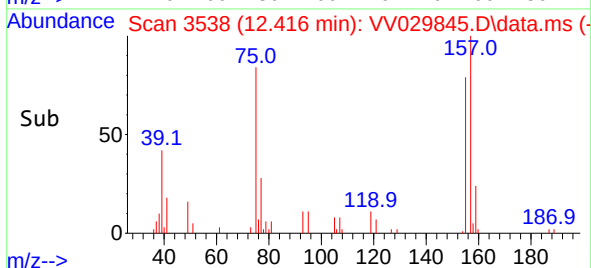
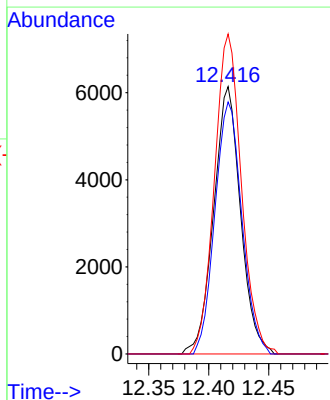
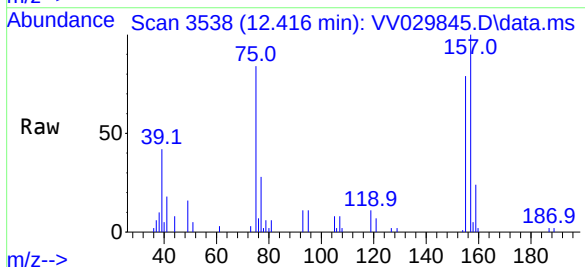
Tgt Ion: 75 Resp: 9565

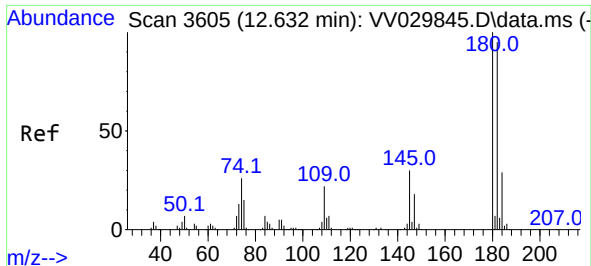
Ion Ratio Lower Upper

75 100

155 94.3 75.5 113.3

157 119.7 99.2 148.8



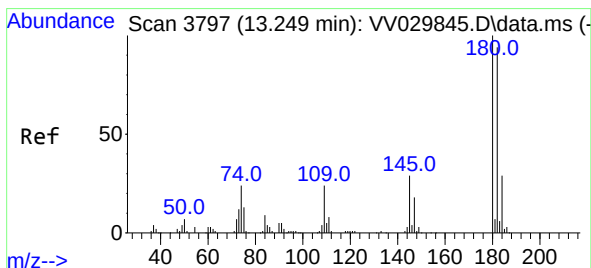
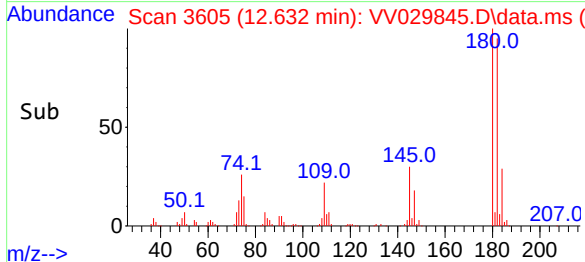
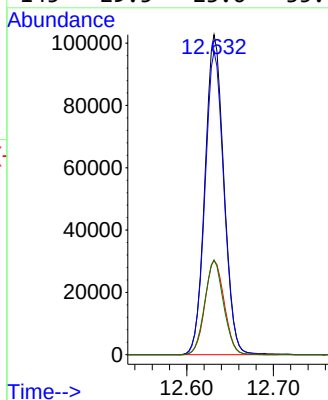
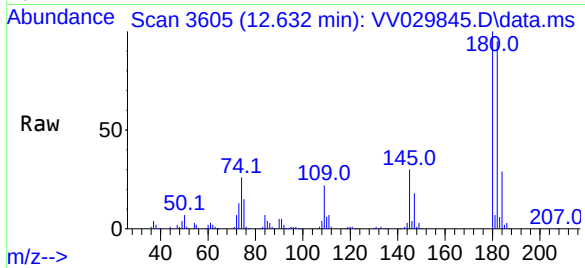


#69
 1,3,5-Trichlorobenzene
 Concen: 5.057 ug/L
 RT: 12.632 min Scan# 3605
 Delta R.T. -0.000 min
 Lab File: VV029845.D
 Acq: 14 Jan 2023 06:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005384

Tgt Ion:180 Resp: 155822

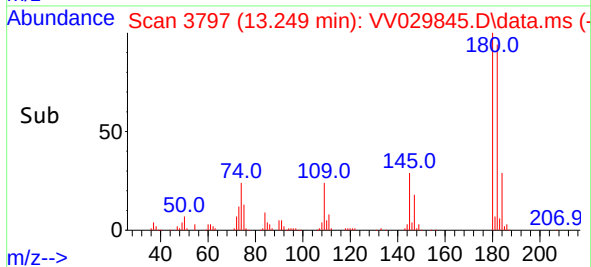
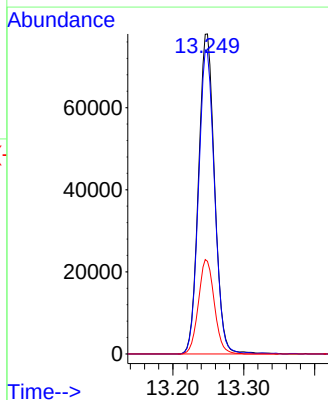
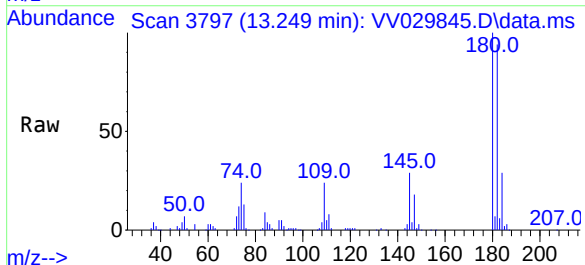
Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.4	113.2
184	30.0	23.9	35.9
145	29.5	23.6	35.4

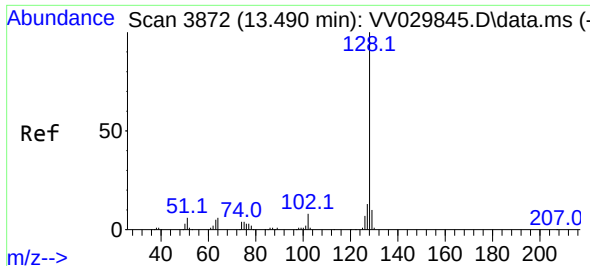


#70
 1,2,4-trichlorobenzene
 Concen: 5.080 ug/L
 RT: 13.249 min Scan# 3797
 Delta R.T. 0.003 min
 Lab File: VV029845.D
 Acq: 14 Jan 2023 06:17

Tgt Ion:180 Resp: 122326

Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.8	113.8
145	29.2	23.7	35.5

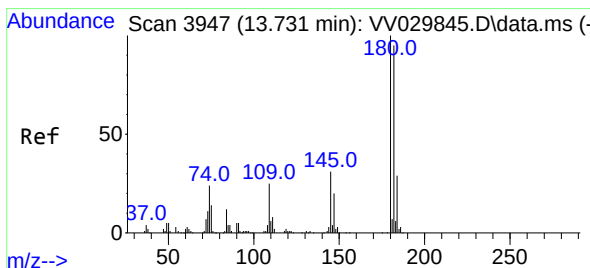
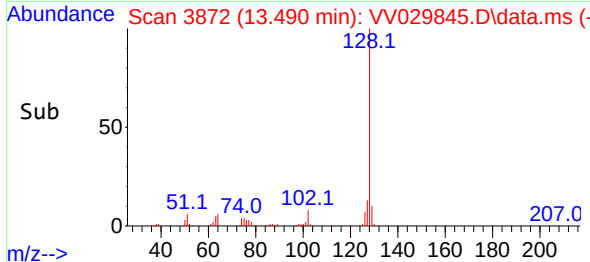
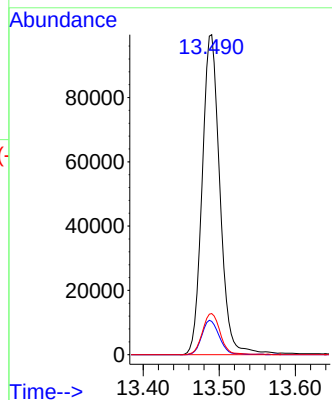
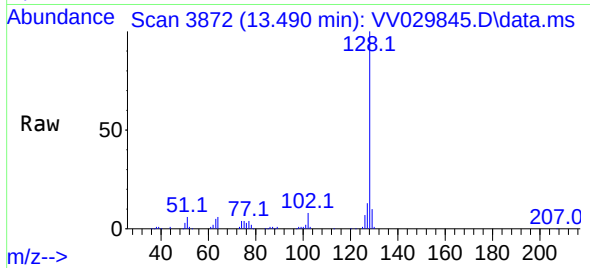




#71
Naphthalene
Concen: 5.172 ug/L
RT: 13.490 min Scan# 3872
Delta R.T. -0.000 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

Tgt Ion:128 Resp: 161332
Ion Ratio Lower Upper
128 100
129 10.5 8.6 12.8
127 13.0 10.0 15.0



#72
1,2,3-Trichlorobenzene
Concen: 5.298 ug/L
RT: 13.731 min Scan# 3947
Delta R.T. 0.003 min
Lab File: VV029845.D
Acq: 14 Jan 2023 06:17

Tgt Ion:180 Resp: 105879
Ion Ratio Lower Upper
180 100
182 94.6 75.5 113.3
145 31.8 25.0 37.6

