

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV112022\
 Data File : VV029214.D
 Acq On : 20 Nov 2022 10:25
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 00:50:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Nov 20 03:53:06 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	457620	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	413124	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	210521	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	145369	5.211	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	104.200%	
7) Chloroethane-d5	1.568	69	117745	4.801	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	96.000%	
11) 1,1-Dichloroethene-d2	2.108	63	253062	4.977	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	99.600%	
20) 2-Butanone-d5	3.883	46	219797	47.064	ug/L	-0.04
Spiked Amount	50.000	Range 40 - 130	Recovery	=	94.120%	
24) Chloroform-d	4.339	84	271188	4.735	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	94.600%	
26) 1,2-Dichloroethane-d4	5.024	65	117865	4.574	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	91.400%	
32) Benzene-d6	5.040	84	556950	4.517	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	90.400%	
36) 1,2-Dichloropropane-d6	6.063	67	157773	4.582	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	91.600%	
41) Toluene-d8	7.307	98	508025	4.577	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	91.600%	
43) trans-1,3-Dichloroprop...	7.616	79	53068	4.725	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	94.600%	
46) 2-Hexanone-d5	8.082	63	245446	51.202	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	102.400%	
56) 1,1,2,2-Tetrachloroeth...	10.207	84	111525	4.672	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	93.400%	
66) 1,2-Dichlorobenzene-d4	11.616	152	180241	4.785	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	95.800%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.131	85	179861	4.715	ug/L	99
3) Chloromethane	1.240	50	162714	5.139	ug/L	99
5) Vinyl chloride	1.311	62	176338	4.883	ug/L	95
6) Bromomethane	1.523	94	100239	4.644	ug/L	94
8) Chloroethane	1.584	64	102946	4.851	ug/L	97
9) Trichlorofluoromethane	1.751	101	248533	5.104	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	146301	5.307	ug/L	99
12) 1,1-Dichloroethene	2.114	96	143092	5.165	ug/L	95
13) Acetone	2.182	43	115920	38.587	ug/L	79
14) Carbon disulfide	2.291	76	410238	4.170	ug/L	100
15) Methyl Acetate	2.433	43	45599	6.254	ug/L #	86
16) Methylene chloride	2.500	84	170116	4.749	ug/L	99
17) Methyl tert-butyl Ether	2.761	73	308323	5.191	ug/L	99
18) trans-1,2-Dichloroethene	2.754	96	158124	4.921	ug/L	97
19) 1,1-Dichloroethane	3.182	63	270353	5.147	ug/L	99
21) 2-Butanone	3.970	43	245400	52.762	ug/L	98
22) cis-1,2-Dichloroethene	3.902	96	170910	5.232	ug/L	99
23) Bromochloromethane	4.240	128	71773	5.195	ug/L	94
25) Chloroform	4.365	83	283744	5.153	ug/L	95

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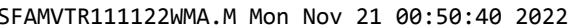
Instrument :
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 ClientSampleId :

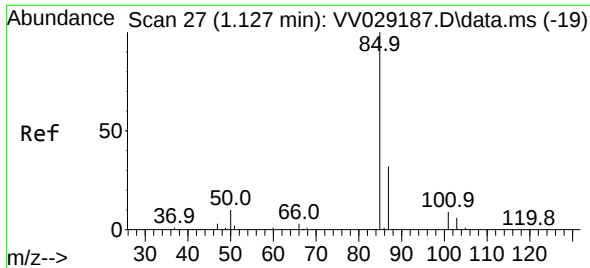
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	149919	5.286	ug/L	99
29) 1,1,1-Trichloroethane	4.600	97	241127	4.974	ug/L	98
30) Cyclohexane	4.667	56	241464	4.901	ug/L	97
31) Carbon tetrachloride	4.818	117	199211	4.772	ug/L	99
33) Benzene	5.092	78	642108	5.086	ug/L	100
34) Trichloroethene	5.905	95	163782	5.068	ug/L	99
35) Methylcyclohexane	6.124	83	275559	4.851	ug/L	98
37) 1,2-Dichloropropane	6.166	63	150934	5.184	ug/L	100
38) Bromodichloromethane	6.500	83	179552	4.870	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	198489	4.884	ug/L	100
40) 4-Methyl-2-pentanone	7.220	43	715248	57.104	ug/L	100
42) Toluene	7.378	91	698092	5.119	ug/L	98
44) trans-1,3-Dichloropropene	7.645	75	154427	4.894	ug/L	99
45) 1,1,2-Trichloroethane	7.831	97	106046	5.565	ug/L	96
47) Tetrachloroethene	7.966	164	136948	5.292	ug/L	99
48) 2-Hexanone	8.133	43	513425	58.518	ug/L	99
49) Dibromochloromethane	8.236	129	113660	4.933	ug/L	97
50) 1,2-Dibromoethane	8.342	107	95660	5.403	ug/L	96
51) Chlorobenzene	8.873	112	447289	5.304	ug/L	100
52) Ethylbenzene	9.005	91	754235	5.312	ug/L	99
53) m,p-Xylene	9.130	106	296408	5.249	ug/L	98
54) o-Xylene	9.535	106	286530	5.338	ug/L	97
55) Styrene	9.551	104	496179	5.511	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.233	83	117453	5.288	ug/L	99
59) Bromoform	9.722	173	56204	4.897	ug/L	99
60) Isopropylbenzene	9.921	105	770502	5.639	ug/L	100
61) 1,2,3-Trichloropropane	10.265	75	80358	5.586	ug/L	99
62) 1,3,5-Trimethylbenzene	10.529	105	628638	5.431	ug/L	100
63) 1,2,4-Trimethylbenzene	10.905	105	633764	5.466	ug/L	98
64) 1,3-Dichlorobenzene	11.172	146	347913	5.419	ug/L	99
65) 1,4-Dichlorobenzene	11.262	146	345123	5.347	ug/L	99
67) 1,2-Dichlorobenzene	11.632	146	311620	5.402	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.419	75	13907	4.913	ug/L	89
69) 1,3,5-Trichlorobenzene	12.635	180	266357	5.377	ug/L	100
70) 1,2,4-trichlorobenzene	13.249	180	199503	5.325	ug/L	99
71) Naphthalene	13.493	128	237251	4.908	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	163343	5.148	ug/L	98

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

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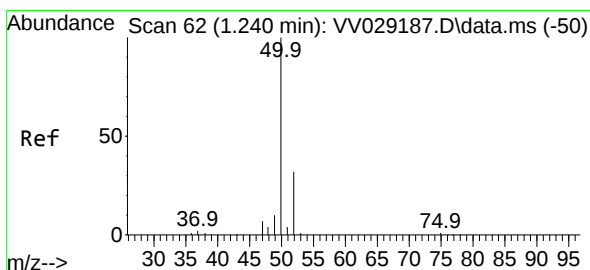
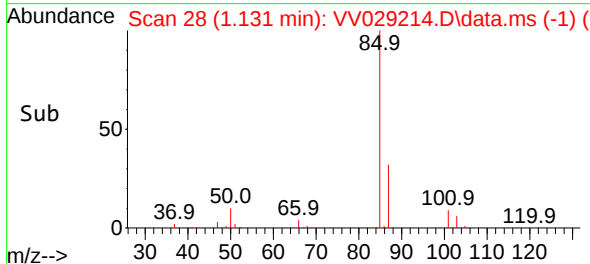
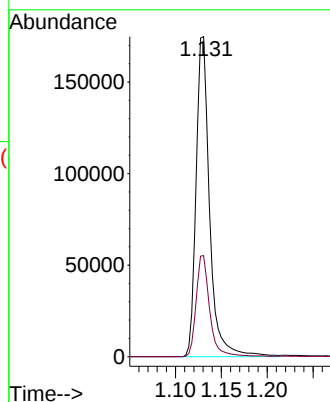
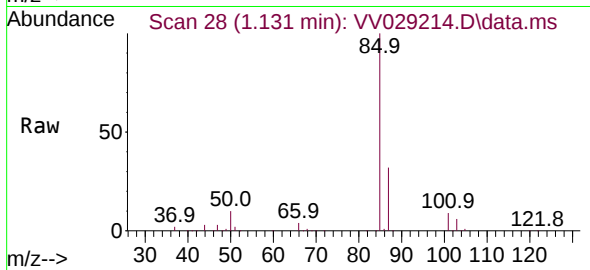




#2
 Dichlorodifluoromethane
 Concen: 4.715 ug/L
 RT: 1.131 min Scan# 27
 Delta R.T. 0.003 min
 Lab File: VV029214.D
 Acq: 20 Nov 2022 10:25

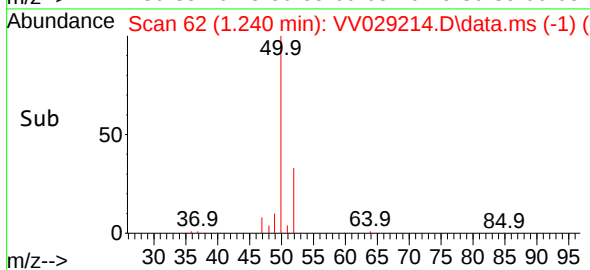
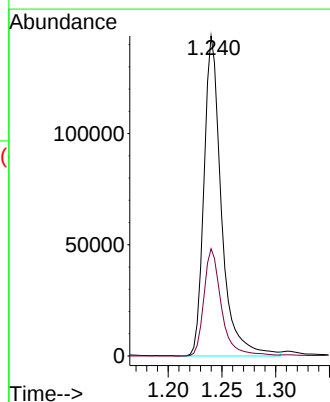
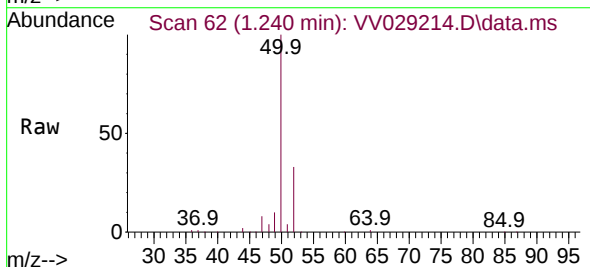
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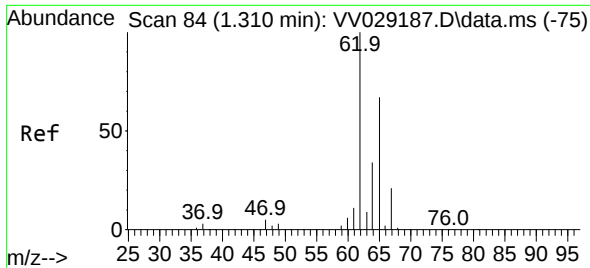
Tgt Ion: 85 Resp: 179861
 Ion Ratio Lower Upper
 85 100
 87 31.5 25.0 37.4



#3
 Chloromethane
 Concen: 5.139 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV029214.D
 Acq: 20 Nov 2022 10:25

Tgt Ion: 50 Resp: 162714
 Ion Ratio Lower Upper
 50 100
 52 33.5 23.7 43.9

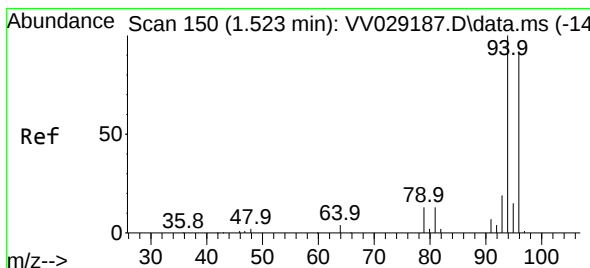
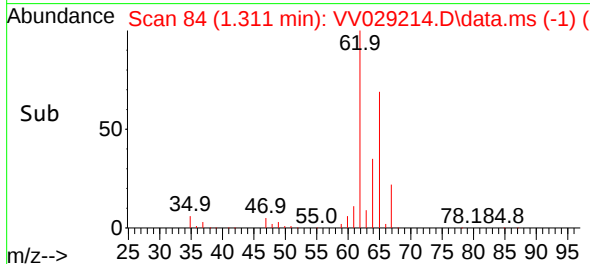
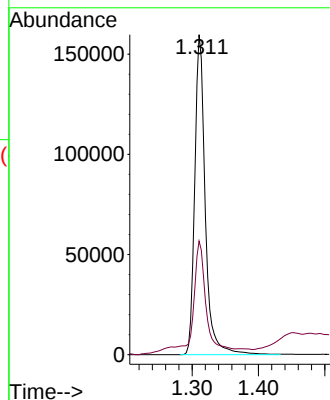
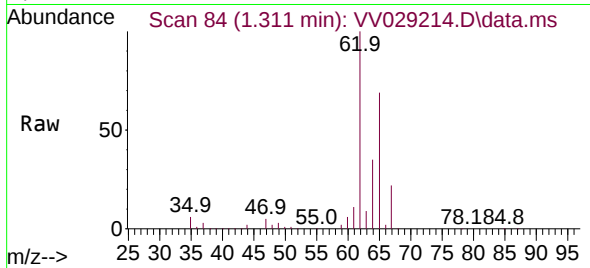




#5
 Vinyl chloride
 Concen: 4.883 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV029214.D
 Acq: 20 Nov 2022 10:25

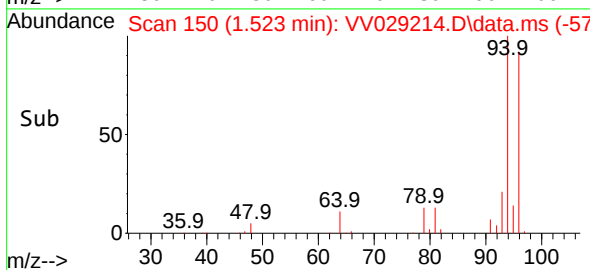
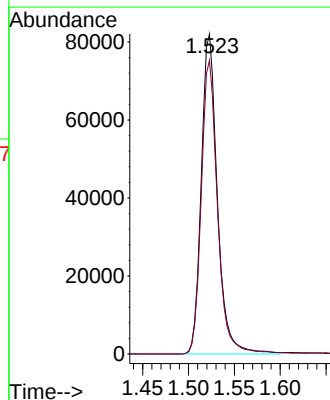
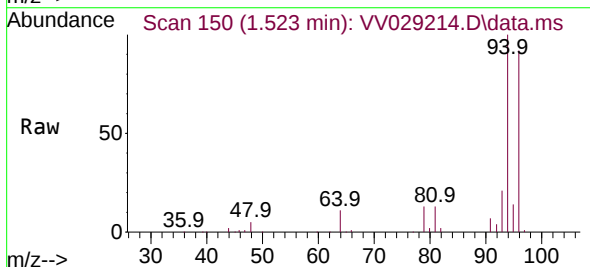
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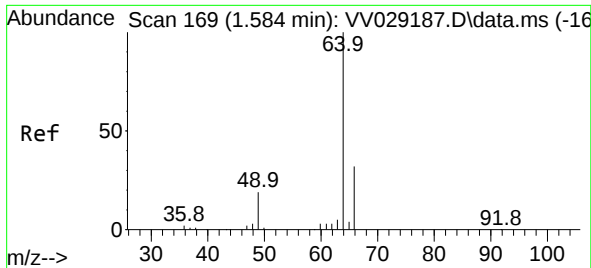
Tgt Ion: 62 Resp: 176338
 Ion Ratio Lower Upper
 62 100
 64 35.5 22.8 42.4



#6
 Bromomethane
 Concen: 4.644 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.000 min
 Lab File: VV029214.D
 Acq: 20 Nov 2022 10:25

Tgt Ion: 94 Resp: 100239
 Ion Ratio Lower Upper
 94 100
 96 91.8 68.5 127.3

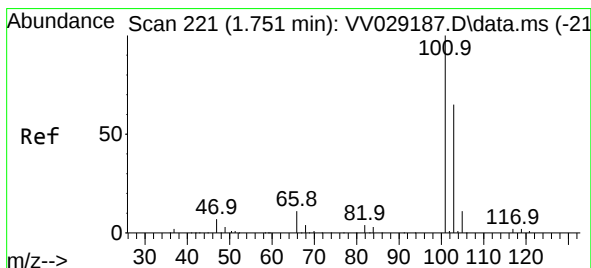
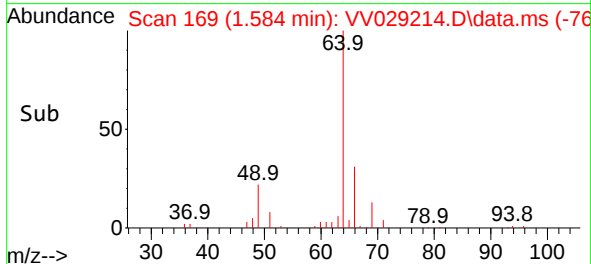
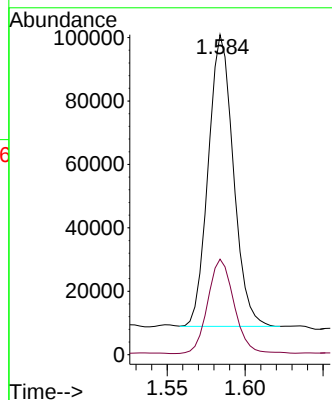
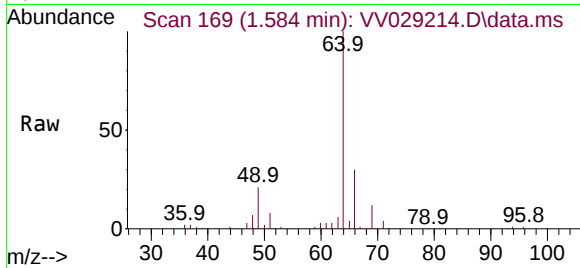




#8
Chloroethane
Concen: 4.851 ug/L
RT: 1.584 min Scan# 169
Delta R.T. 0.000 min
Lab File: VV029214.D
Acq: 20 Nov 2022 10:25

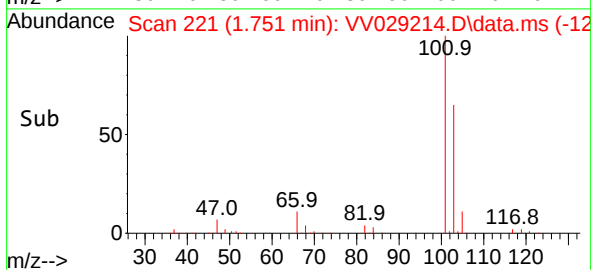
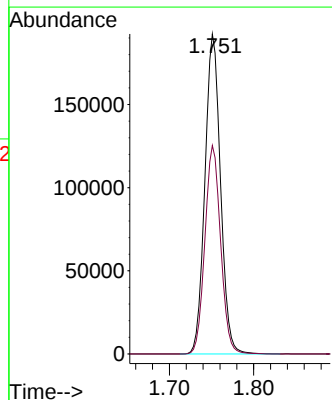
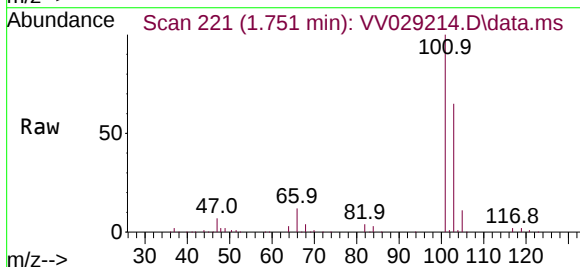
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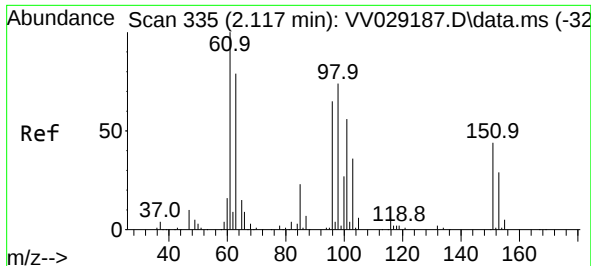
Tgt Ion: 64 Resp: 102946
Ion Ratio Lower Upper
64 100
66 29.9 22.0 40.8



#9
Trichlorofluoromethane
Concen: 5.104 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.000 min
Lab File: VV029214.D
Acq: 20 Nov 2022 10:25

Tgt Ion:101 Resp: 248533
Ion Ratio Lower Upper
101 100
103 65.6 51.3 76.9

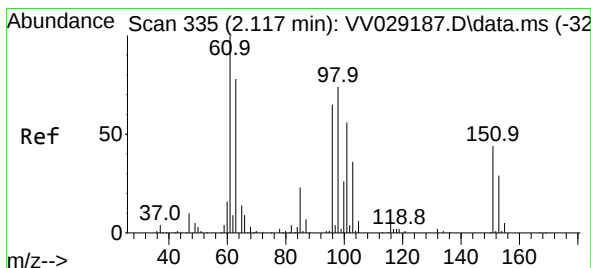
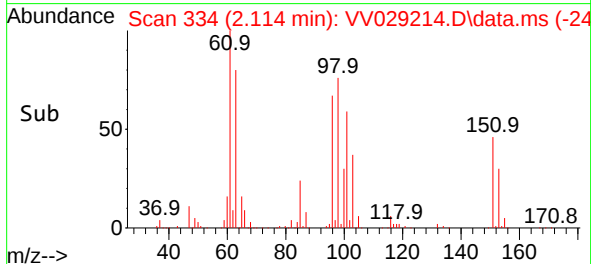
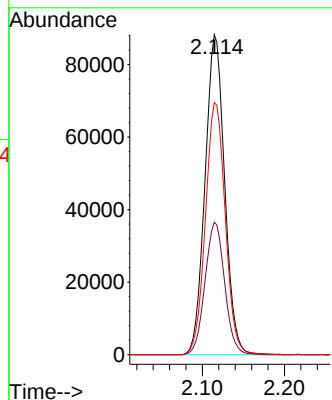
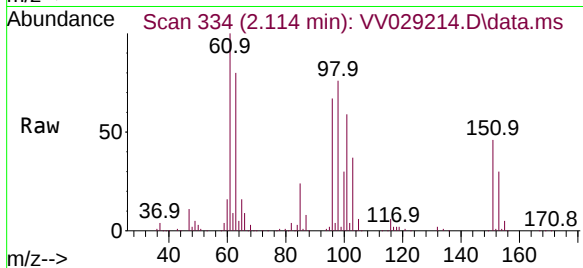




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.307 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.003 min
Lab File: VV029214.D
Acq: 20 Nov 2022 10:25

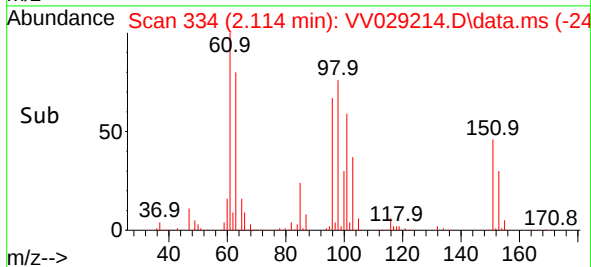
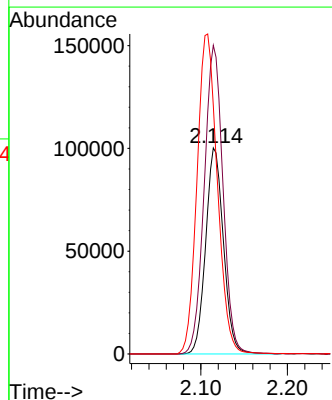
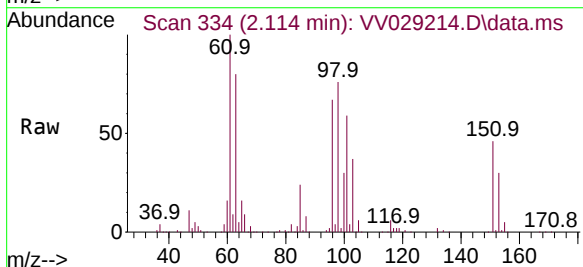
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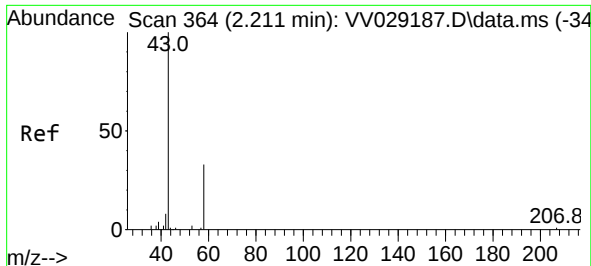
Tgt Ion:101 Resp: 146301
Ion Ratio Lower Upper
101 100
85 41.4 32.9 49.3
151 79.8 62.5 93.7



#12
1,1-Dichloroethene
Concen: 5.165 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.003 min
Lab File: VV029214.D
Acq: 20 Nov 2022 10:25

Tgt Ion: 96 Resp: 143092
Ion Ratio Lower Upper
96 100
61 149.8 104.2 193.4
63 120.5 75.9 140.9

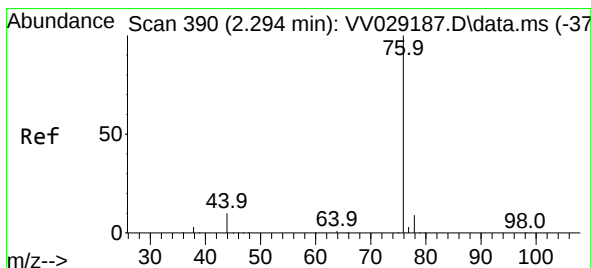
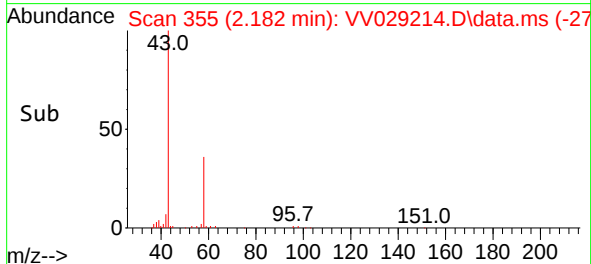
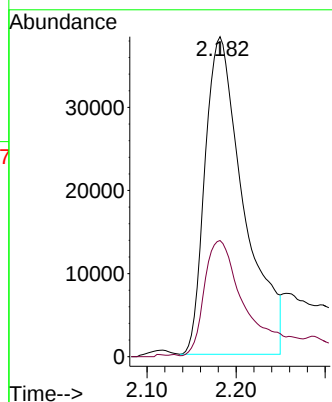
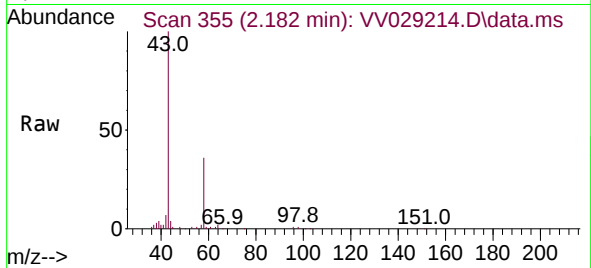




#13
Acetone
Concen: 38.587 ug/L
RT: 2.182 min Scan# 311
Delta R.T. -0.029 min
Lab File: VV029214.D
Acq: 20 Nov 2022 10:25

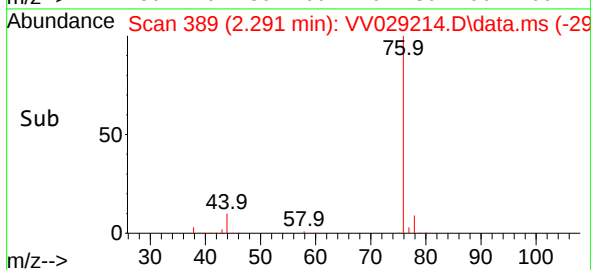
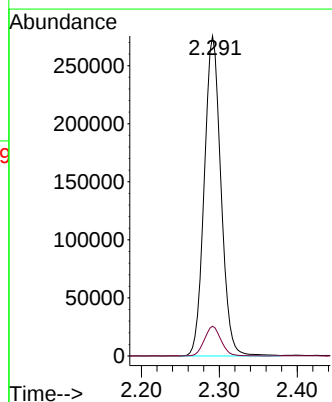
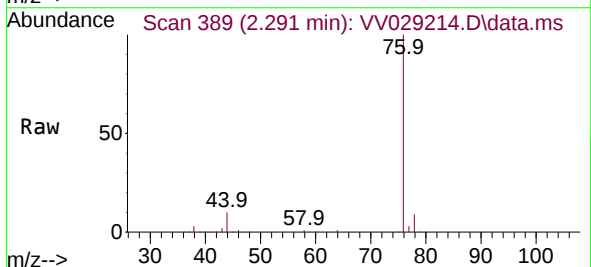
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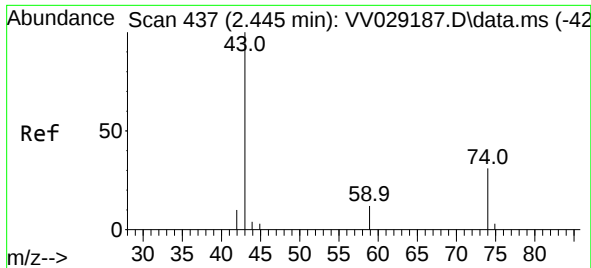
Tgt Ion: 43 Resp: 115920
Ion Ratio Lower Upper
43 100
58 39.5 0.0 56.6



#14
Carbon disulfide
Concen: 4.170 ug/L
RT: 2.291 min Scan# 389
Delta R.T. -0.003 min
Lab File: VV029214.D
Acq: 20 Nov 2022 10:25

Tgt Ion: 76 Resp: 410238
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2

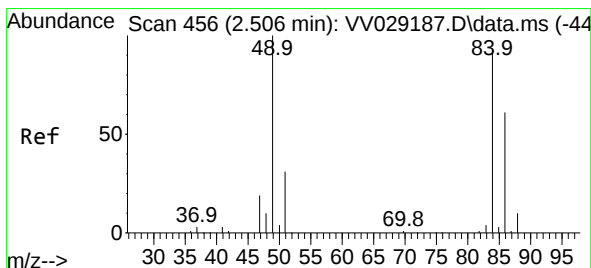
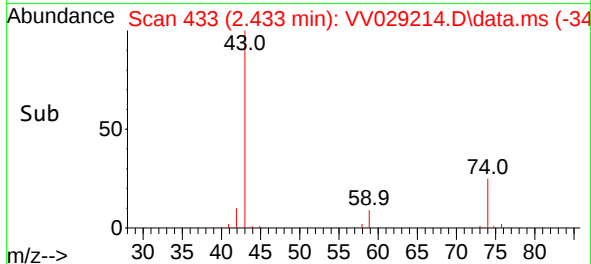
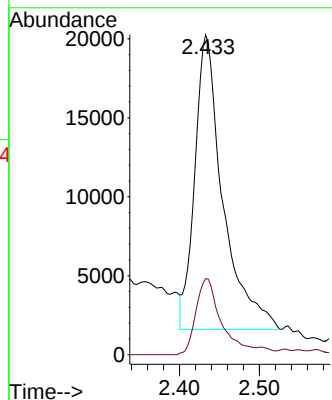
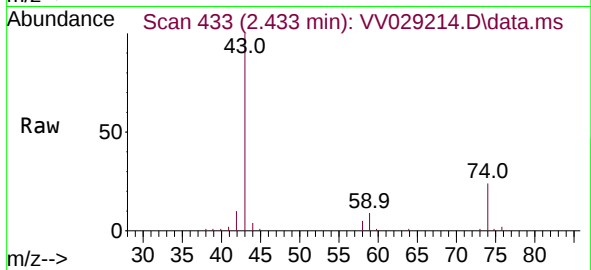




#15
Methyl Acetate
Concen: 6.254 ug/L
RT: 2.433 min Scan# 41
Delta R.T. -0.013 min
Lab File: VV029214.D
Acq: 20 Nov 2022 10:25

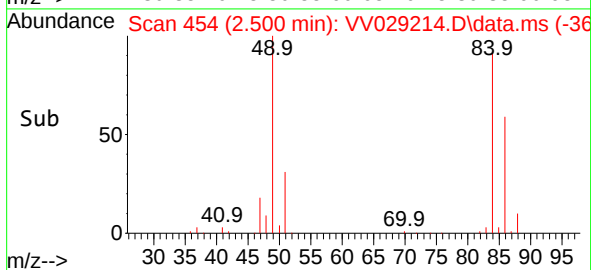
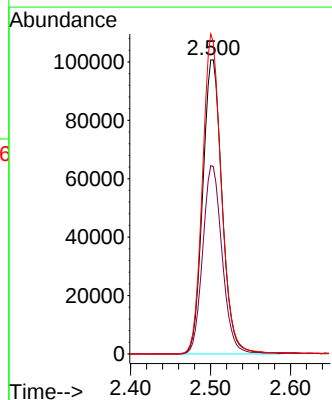
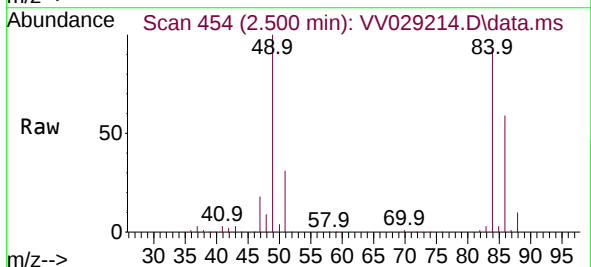
Instrument :
MSVOA_V
ClientSampleId :

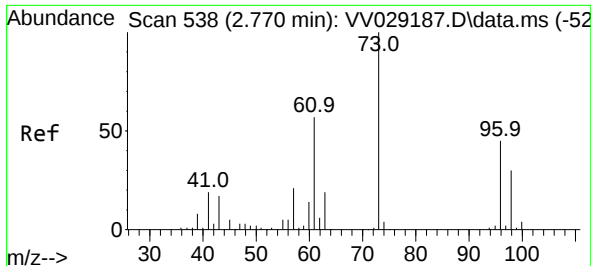
Tgt Ion: 43 Resp: 45599
Ion Ratio Lower Upper
43 100
74 23.3 24.6 37.0#



#16
Methylene chloride
Concen: 4.749 ug/L
RT: 2.500 min Scan# 454
Delta R.T. -0.006 min
Lab File: VV029214.D
Acq: 20 Nov 2022 10:25

Tgt Ion: 84 Resp: 170116
Ion Ratio Lower Upper
84 100
86 64.0 45.8 85.0
49 108.8 75.5 140.1





#17

Methyl tert-butyl Ether

Concen: 5.191 ug/L

RT: 2.761 min Scan# 51

Delta R.T. -0.009 min

Lab File: VV029214.D

Acq: 20 Nov 2022 10:25

Instrument :

MSVOA_V

ClientSampleId :

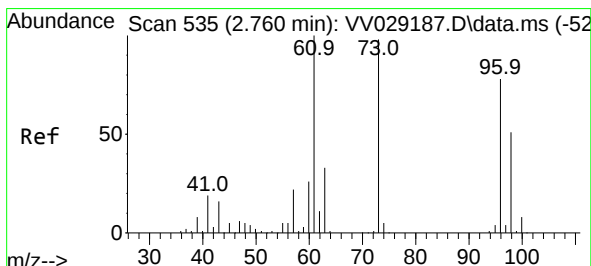
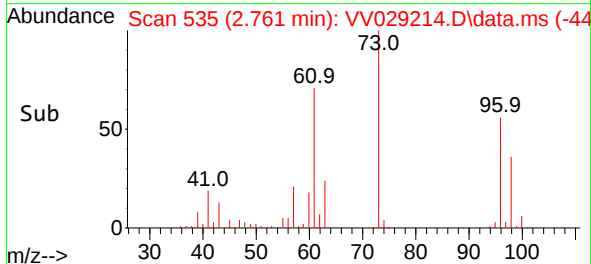
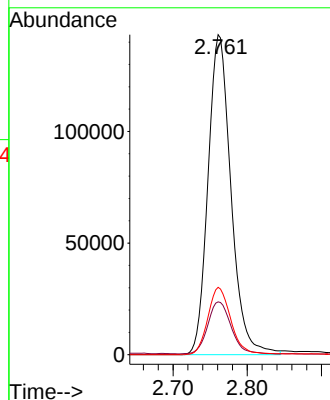
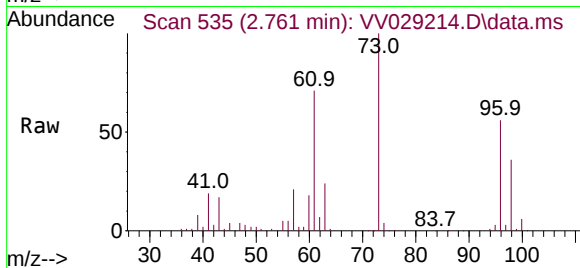
Tgt Ion: 73 Resp: 308323

Ion Ratio Lower Upper

73 100

43 16.4 13.0 19.4

57 21.0 16.6 24.8



#18

trans-1,2-Dichloroethene

Concen: 4.921 ug/L

RT: 2.754 min Scan# 533

Delta R.T. -0.006 min

Lab File: VV029214.D

Acq: 20 Nov 2022 10:25

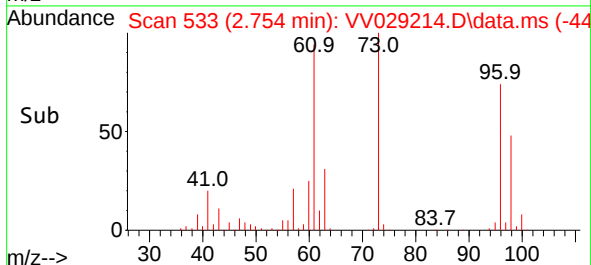
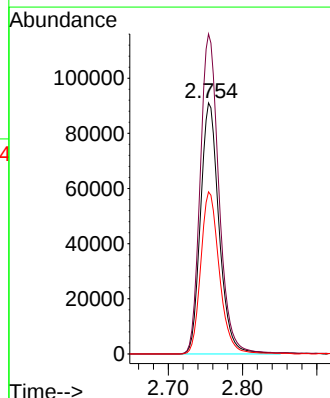
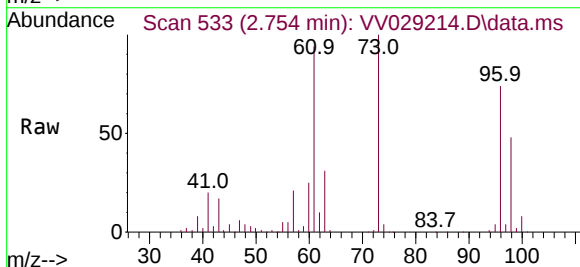
Tgt Ion: 96 Resp: 158124

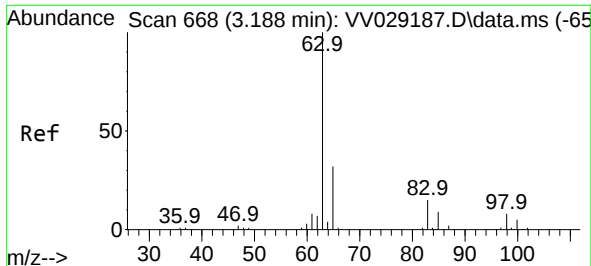
Ion Ratio Lower Upper

96 100

61 127.5 91.8 170.6

98 64.6 46.4 86.2

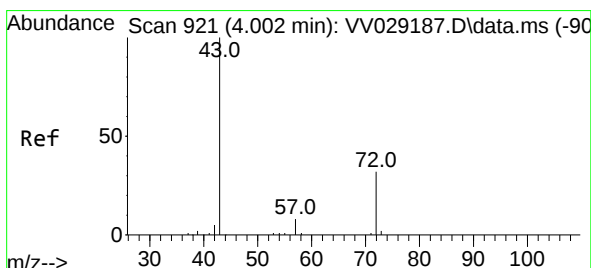
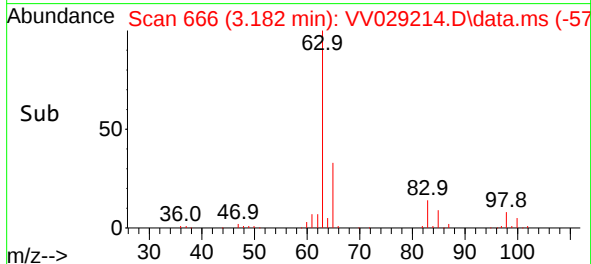
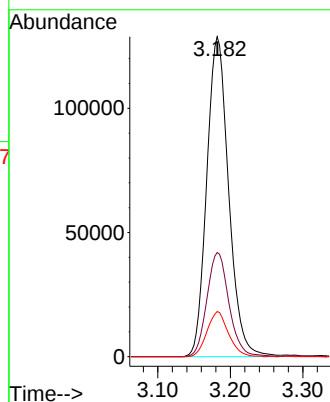
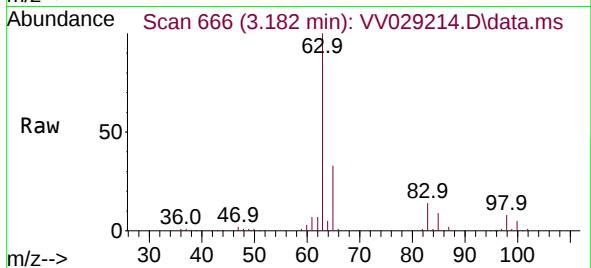




#19
1,1-Dichloroethane
Concen: 5.147 ug/L
RT: 3.182 min Scan# 61
Delta R.T. -0.006 min
Lab File: VV029214.D
Acq: 20 Nov 2022 10:25

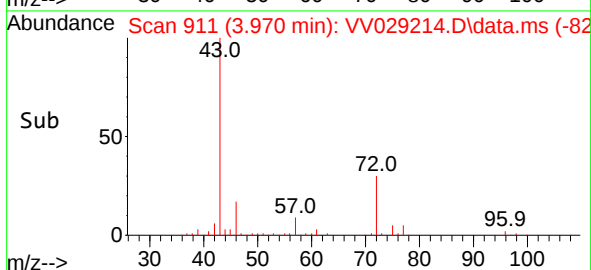
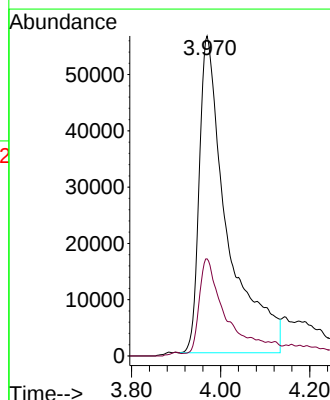
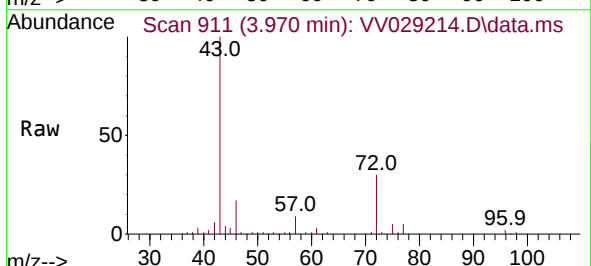
Instrument :
MSVOA_V
ClientSampleId :

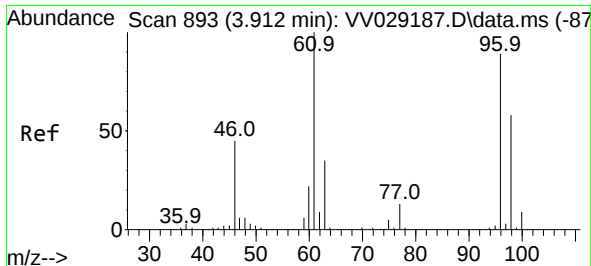
Tgt Ion: 63 Resp: 270353
Ion Ratio Lower Upper
63 100
65 32.5 23.0 42.6
83 14.1 9.4 17.6



#21
2-Butanone
Concen: 52.762 ug/L
RT: 3.970 min Scan# 911
Delta R.T. -0.032 min
Lab File: VV029214.D
Acq: 20 Nov 2022 10:25

Tgt Ion: 43 Resp: 245400
Ion Ratio Lower Upper
43 100
72 24.7 11.9 35.9





#22

cis-1,2-Dichloroethene

Concen: 5.232 ug/L

RT: 3.902 min Scan# 893

Delta R.T. -0.009 min

Lab File: VV029214.D

Acq: 20 Nov 2022 10:25

Instrument :

MSVOA_V

ClientSampleId :

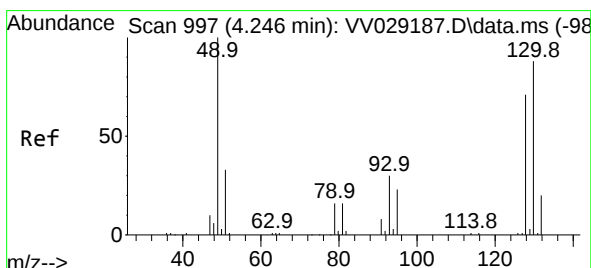
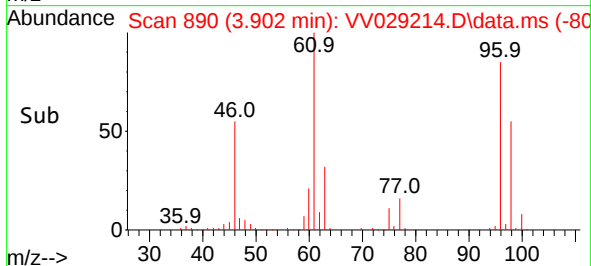
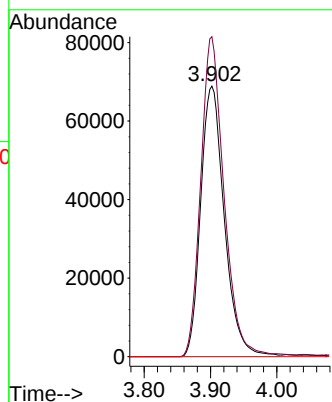
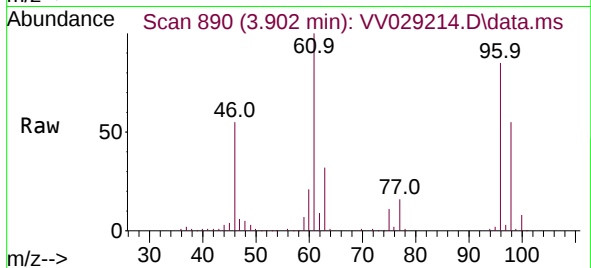
Tgt Ion: 96 Resp: 170910

Ion Ratio Lower Upper

96 100

61 118.3 82.3 152.9

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 5.195 ug/L

RT: 4.240 min Scan# 995

Delta R.T. -0.006 min

Lab File: VV029214.D

Acq: 20 Nov 2022 10:25

Tgt Ion: 128 Resp: 71773

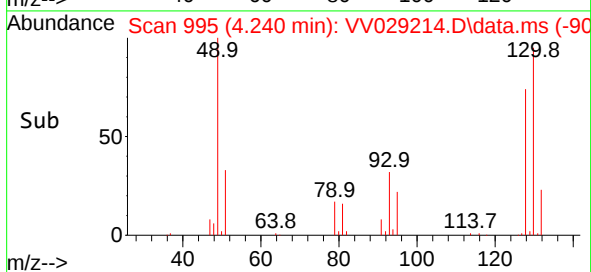
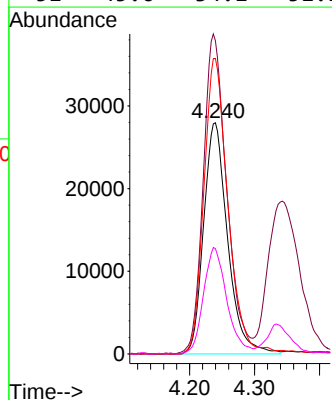
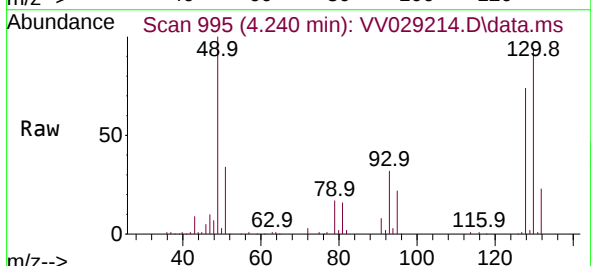
Ion Ratio Lower Upper

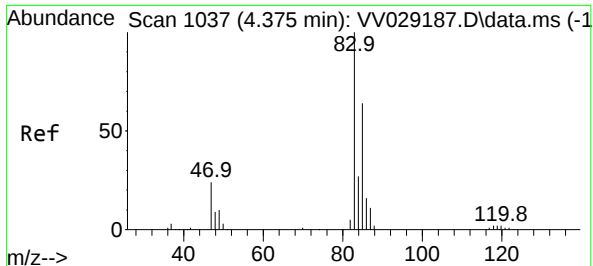
128 100

49 135.5 89.5 166.1

130 127.8 84.4 156.8

51 45.6 34.1 51.1





#25

Chloroform

Concen: 5.153 ug/L

RT: 4.365 min Scan# 1

Delta R.T. -0.009 min

Lab File: VV029214.D

Acq: 20 Nov 2022 10:25

Instrument :

MSVOA_V

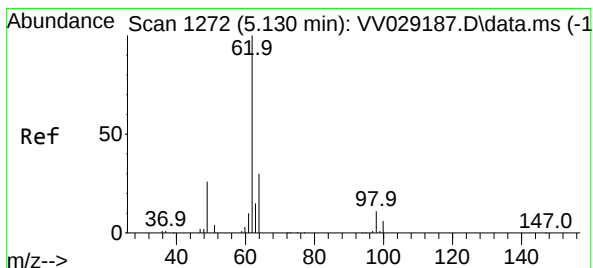
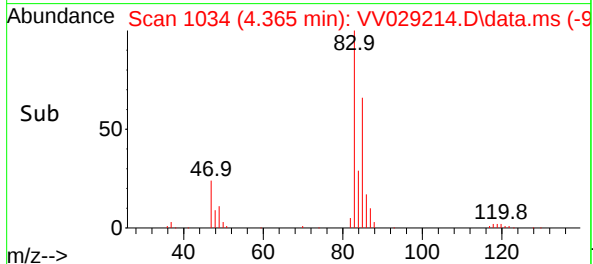
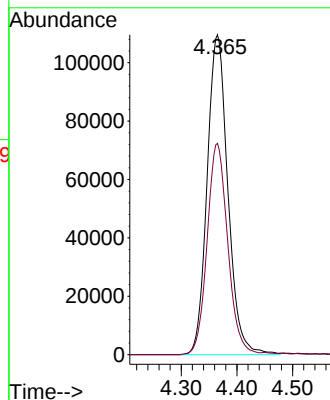
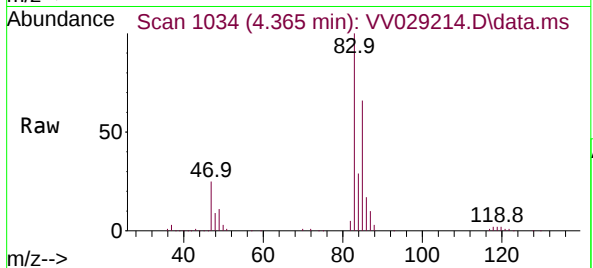
ClientSampleId :

Tgt Ion: 83 Resp: 283744

Ion Ratio Lower Upper

83 100

85 66.0 43.7 81.1



#27

1,2-Dichloroethane

Concen: 5.286 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. -0.006 min

Lab File: VV029214.D

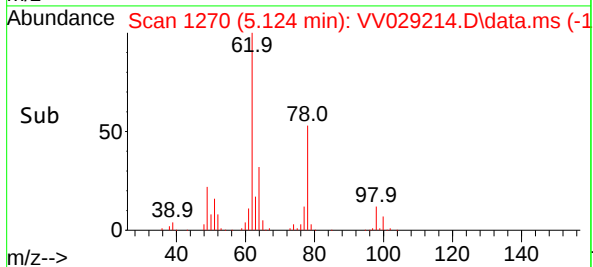
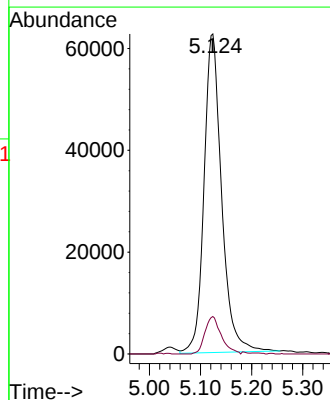
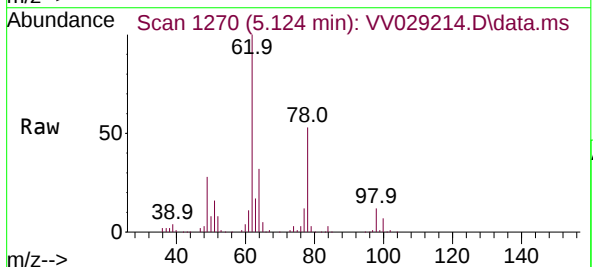
Acq: 20 Nov 2022 10:25

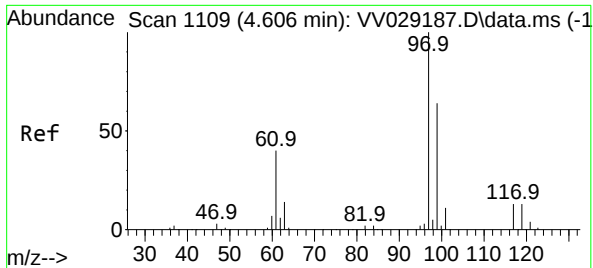
Tgt Ion: 62 Resp: 149919

Ion Ratio Lower Upper

62 100

98 11.7 9.0 13.6





#29

1,1,1-Trichloroethane

Concen: 4.974 ug/L

RT: 4.600 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VV029214.D

Acq: 20 Nov 2022 10:25

Instrument :

MSVOA_V

ClientSampleId :

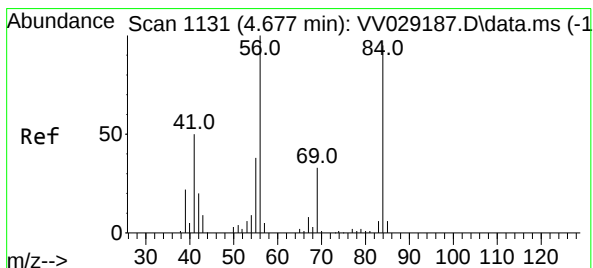
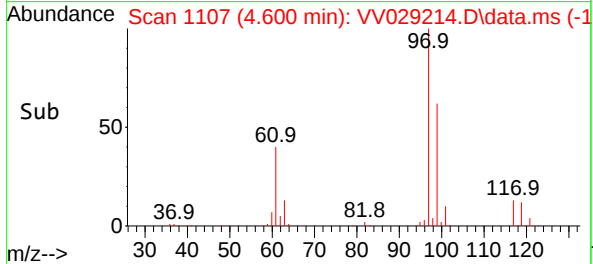
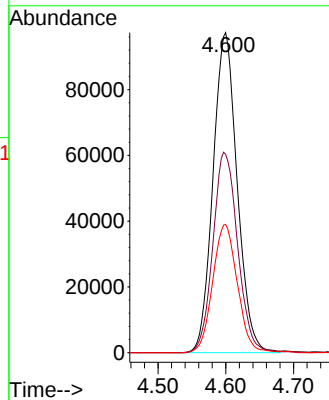
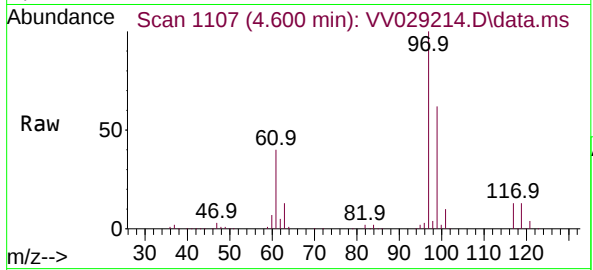
Tgt Ion: 97 Resp: 241127

Ion Ratio Lower Upper

97 100

99 64.2 52.7 79.1

61 41.0 33.8 50.6



#30

Cyclohexane

Concen: 4.901 ug/L

RT: 4.667 min Scan# 1128

Delta R.T. -0.009 min

Lab File: VV029214.D

Acq: 20 Nov 2022 10:25

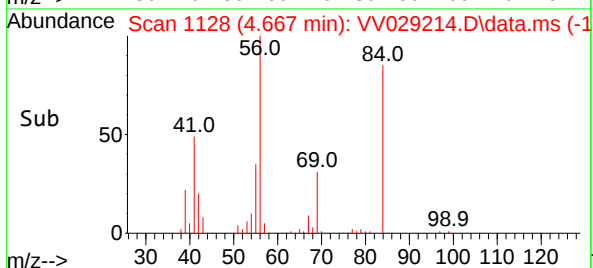
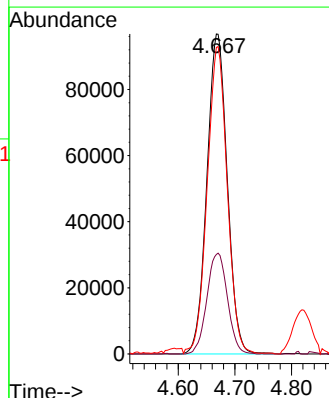
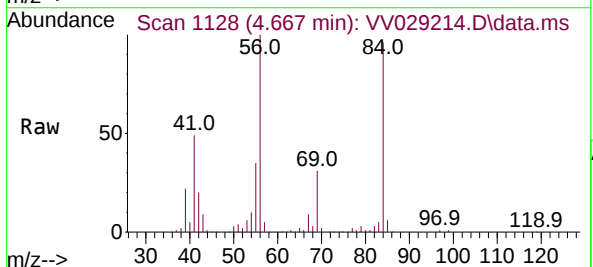
Tgt Ion: 56 Resp: 241464

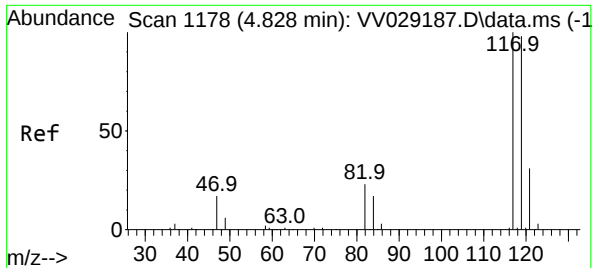
Ion Ratio Lower Upper

56 100

69 31.8 26.1 39.1

84 94.2 77.9 116.9

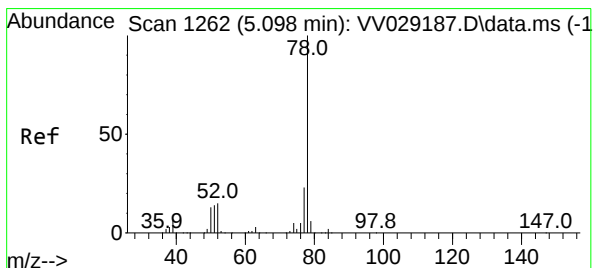
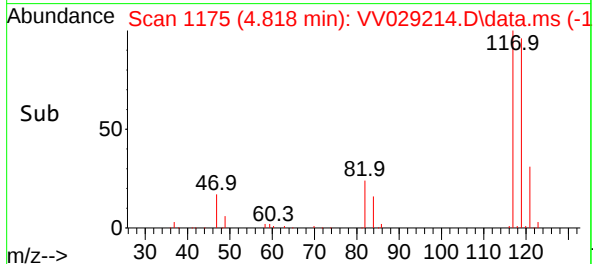
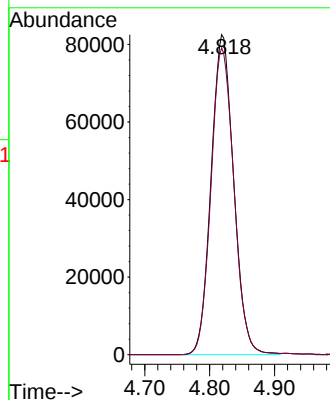
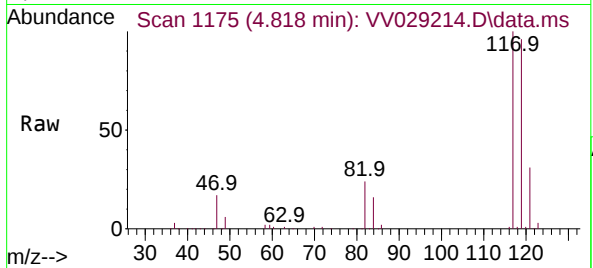




#31
Carbon tetrachloride
Concen: 4.772 ug/L
RT: 4.818 min Scan# 1178
Delta R.T. -0.009 min
Lab File: VV029214.D
Acq: 20 Nov 2022 10:25

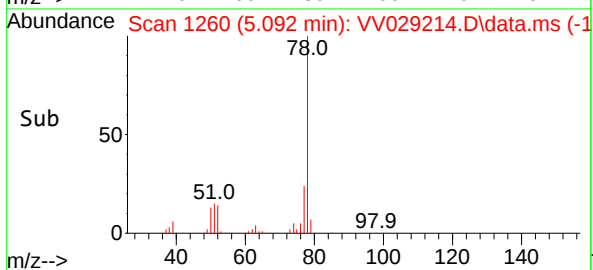
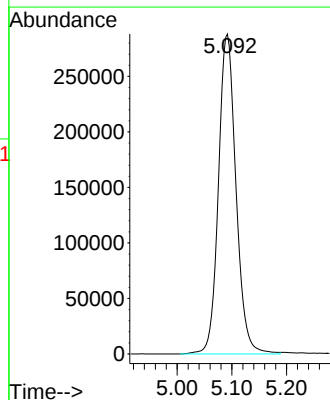
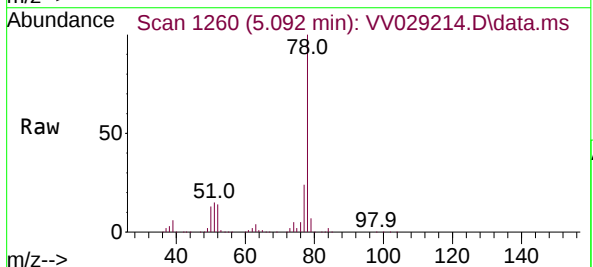
Instrument :
MSVOA_V
ClientSampleId :

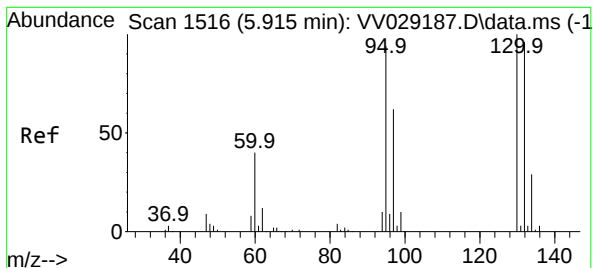
Tgt Ion:117 Resp: 199211
Ion Ratio Lower Upper
117 100
119 97.4 77.0 115.6



#33
Benzene
Concen: 5.086 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. -0.006 min
Lab File: VV029214.D
Acq: 20 Nov 2022 10:25

Tgt Ion: 78 Resp: 642108





#34

Trichloroethene

Concen: 5.068 ug/L

RT: 5.905 min Scan# 1

Delta R.T. -0.009 min

Lab File: VV029214.D

Acq: 20 Nov 2022 10:25

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 163782

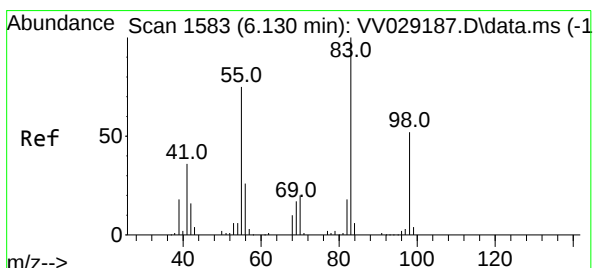
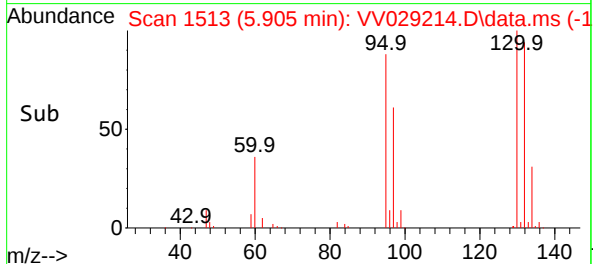
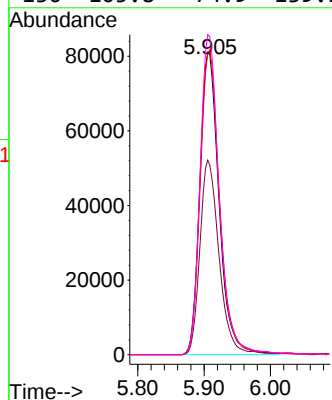
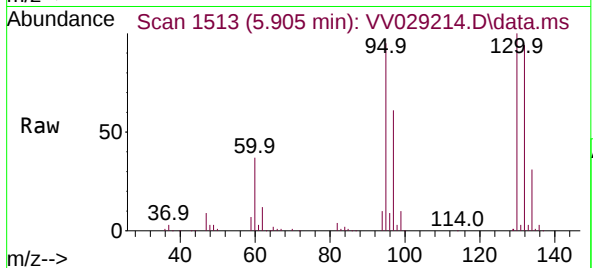
Ion Ratio Lower Upper

95 100

97 64.3 45.6 84.8

132 99.7 69.1 128.3

130 105.8 74.9 139.1



#35

Methylcyclohexane

Concen: 4.851 ug/L

RT: 6.124 min Scan# 1581

Delta R.T. -0.006 min

Lab File: VV029214.D

Acq: 20 Nov 2022 10:25

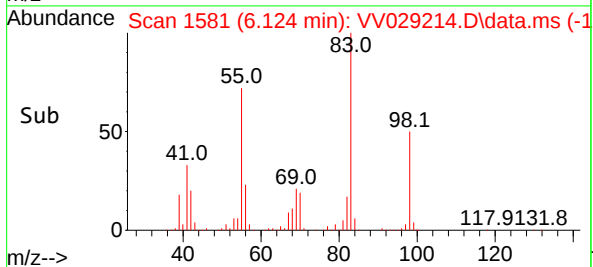
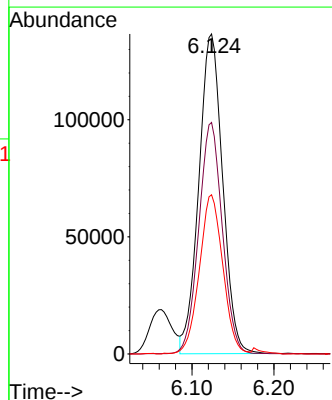
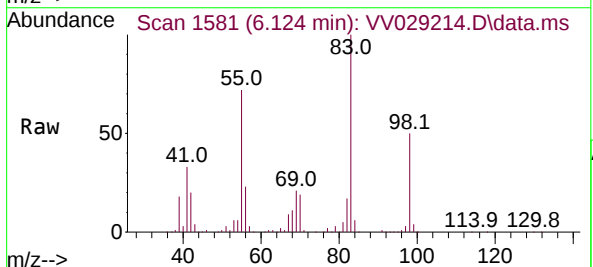
Tgt Ion: 83 Resp: 275559

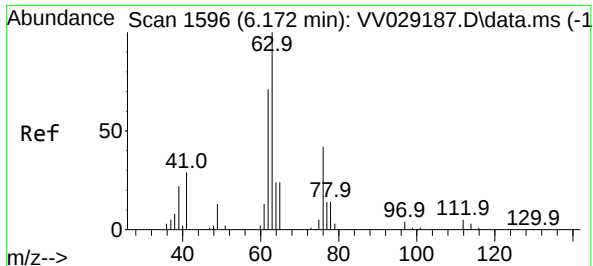
Ion Ratio Lower Upper

83 100

55 71.7 55.8 83.6

98 48.6 38.2 57.2





#37

1,2-Dichloropropane

Concen: 5.184 ug/L

RT: 6.166 min Scan# 1

Delta R.T. -0.006 min

Lab File: VV029214.D

Acq: 20 Nov 2022 10:25

Instrument :

MSVOA_V

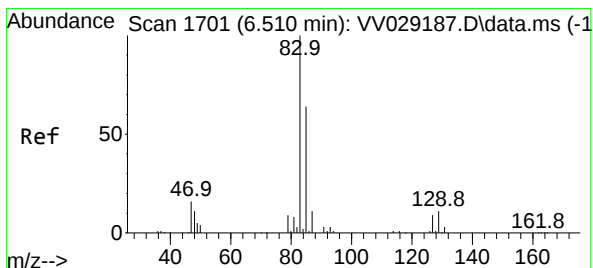
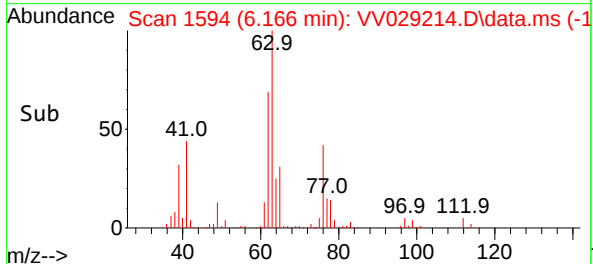
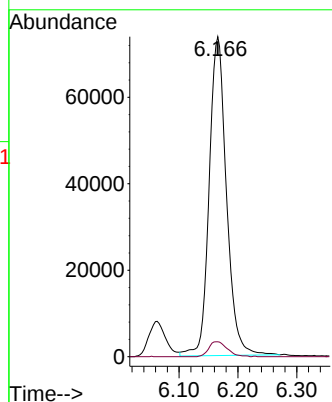
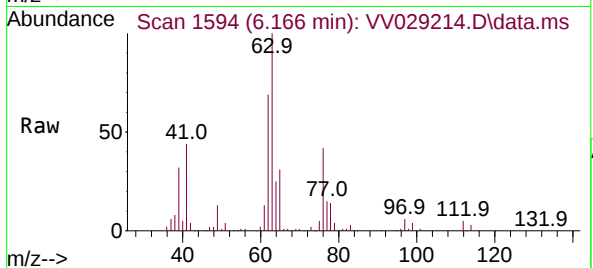
ClientSampleId :

Tgt Ion: 63 Resp: 150934

Ion Ratio Lower Upper

63 100

112 5.0 4.0 6.0



#38

Bromodichloromethane

Concen: 4.870 ug/L

RT: 6.500 min Scan# 1698

Delta R.T. -0.009 min

Lab File: VV029214.D

Acq: 20 Nov 2022 10:25

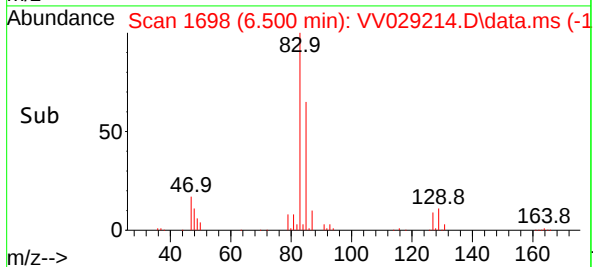
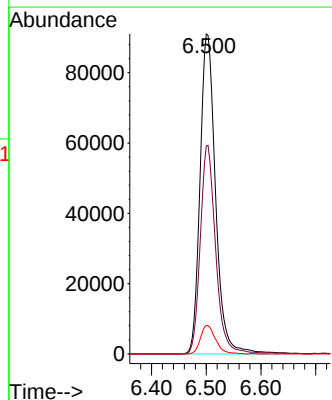
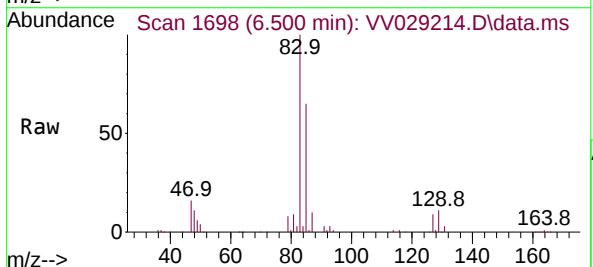
Tgt Ion: 83 Resp: 179552

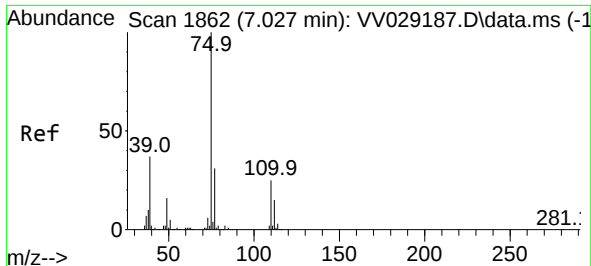
Ion Ratio Lower Upper

83 100

85 65.0 46.1 85.5

127 8.9 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 4.884 ug/L

RT: 7.021 min Scan# 11

Delta R.T. -0.006 min

Lab File: VV029214.D

Acq: 20 Nov 2022 10:25

Instrument :

MSVOA_V

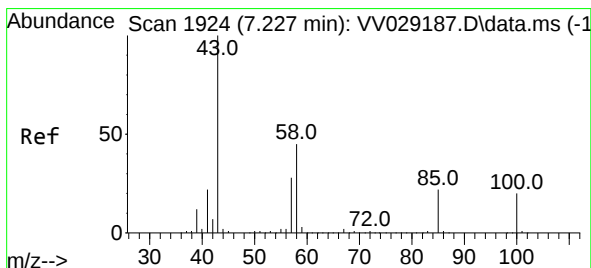
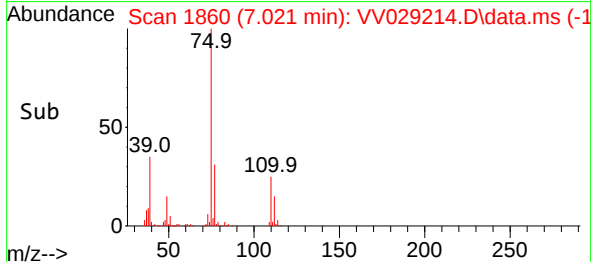
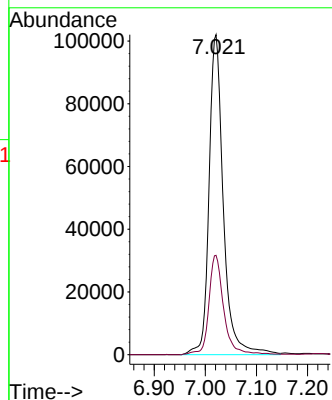
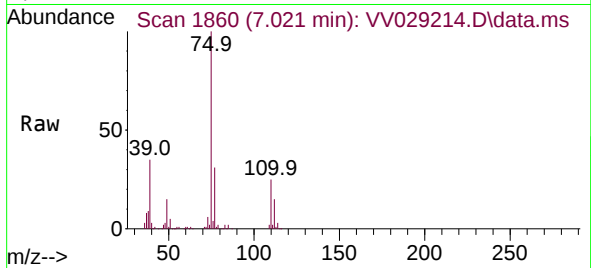
ClientSampleId :

Tgt Ion: 75 Resp: 198489

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 57.104 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. -0.006 min

Lab File: VV029214.D

Acq: 20 Nov 2022 10:25

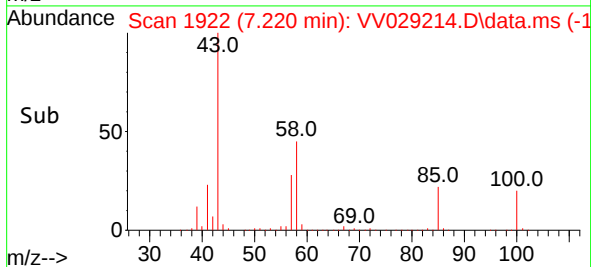
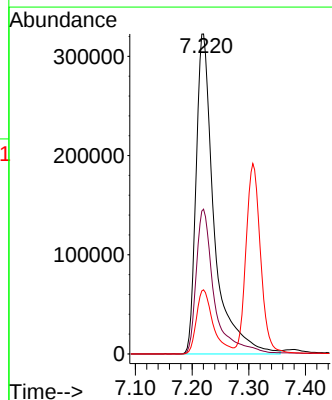
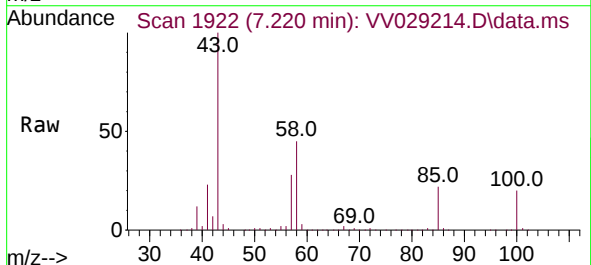
Tgt Ion: 43 Resp: 715248

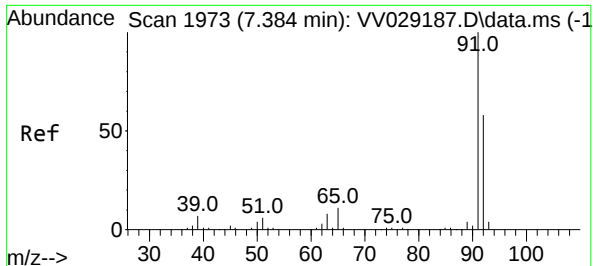
Ion Ratio Lower Upper

43 100

58 45.7 36.6 55.0

100 18.6 14.5 21.7





#42

Toluene

Concen: 5.119 ug/L

RT: 7.378 min Scan# 1973

Delta R.T. -0.006 min

Lab File: VV029214.D

Acq: 20 Nov 2022 10:25

Instrument :

MSVOA_V

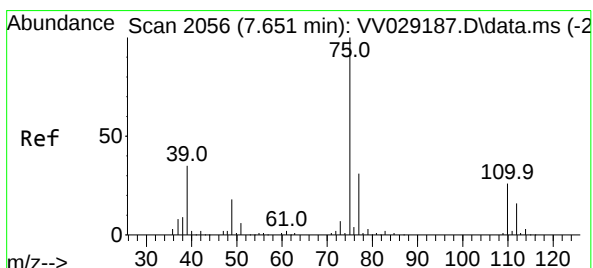
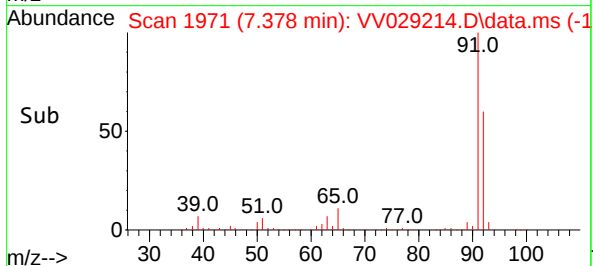
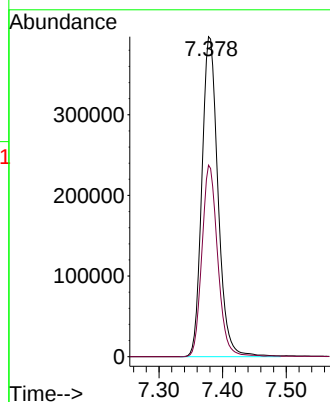
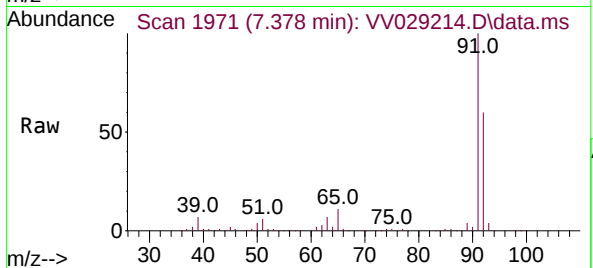
ClientSampleId :

Tgt Ion: 91 Resp: 698092

Ion Ratio Lower Upper

91 100

92 59.8 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 4.894 ug/L

RT: 7.645 min Scan# 2054

Delta R.T. -0.006 min

Lab File: VV029214.D

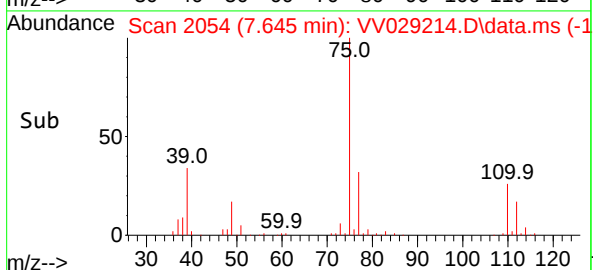
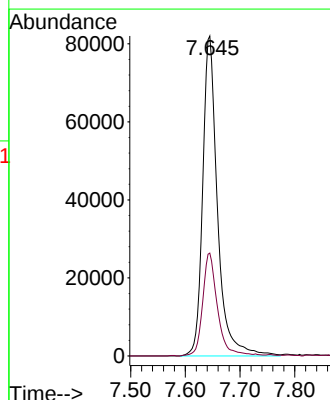
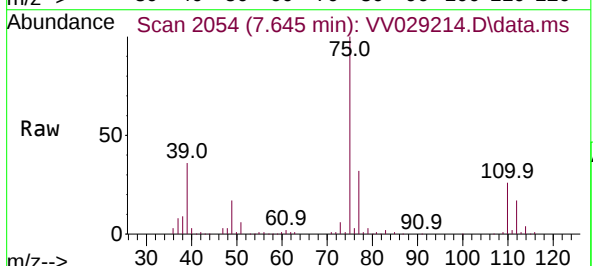
Acq: 20 Nov 2022 10:25

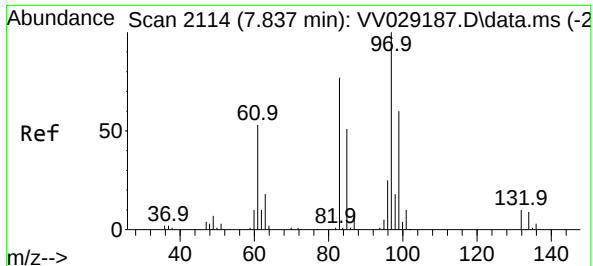
Tgt Ion: 75 Resp: 154427

Ion Ratio Lower Upper

75 100

77 32.2 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 5.565 ug/L

RT: 7.831 min Scan# 2114

Delta R.T. -0.006 min

Lab File: VV029214.D

Acq: 20 Nov 2022 10:25

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 106046

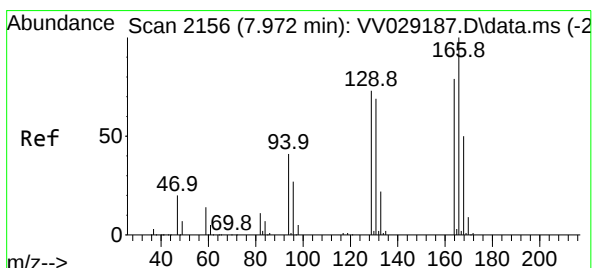
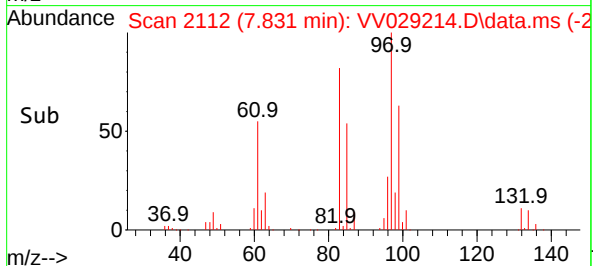
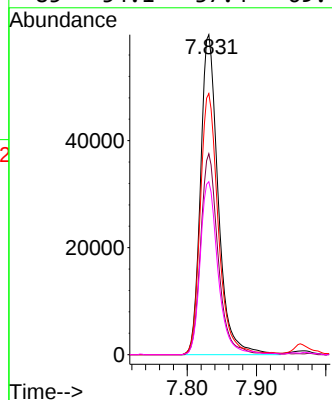
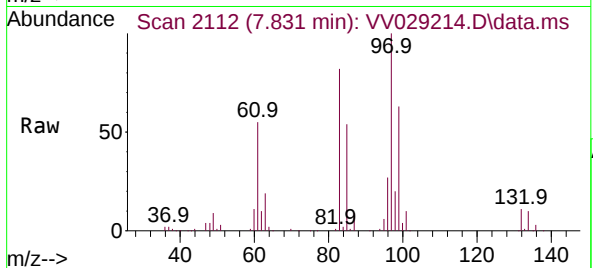
Ion Ratio Lower Upper

97 100

99 62.8 41.5 77.1

83 81.6 60.0 111.4

85 54.1 37.4 69.4



#47

Tetrachloroethene

Concen: 5.292 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. -0.006 min

Lab File: VV029214.D

Acq: 20 Nov 2022 10:25

Tgt Ion:164 Resp: 136948

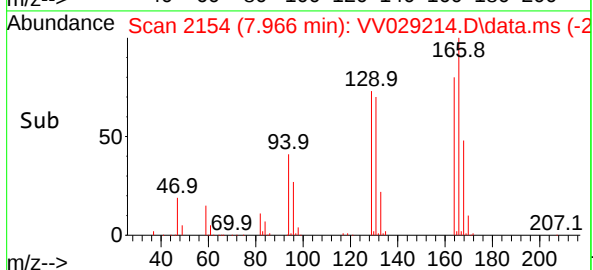
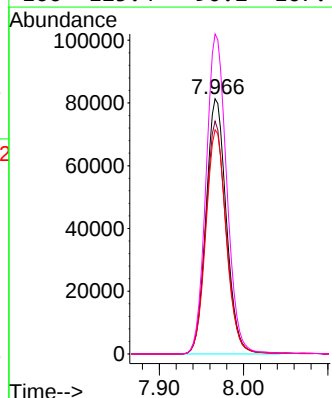
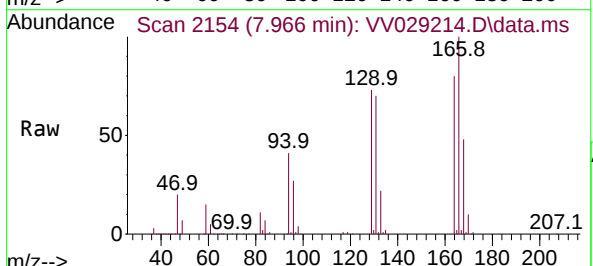
Ion Ratio Lower Upper

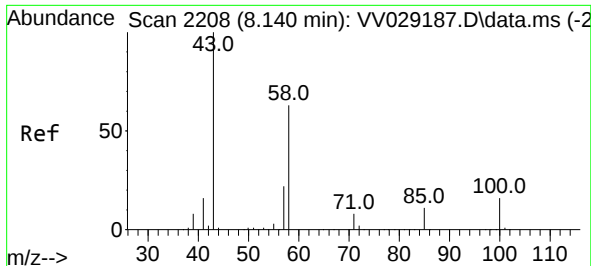
164 100

129 91.2 63.9 118.7

131 87.9 61.8 114.8

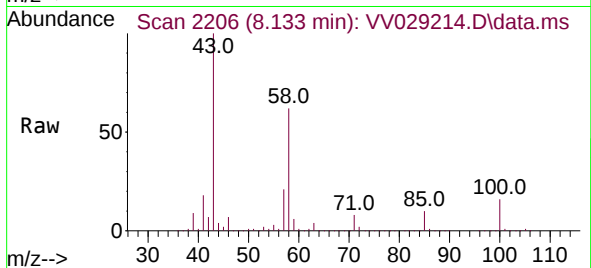
166 125.4 90.2 167.4



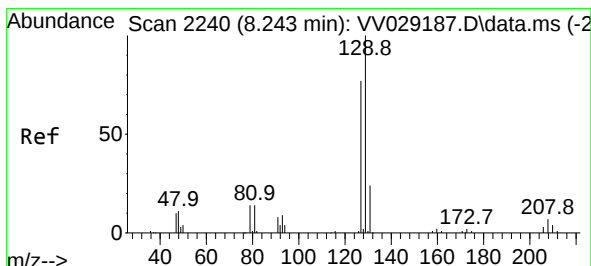
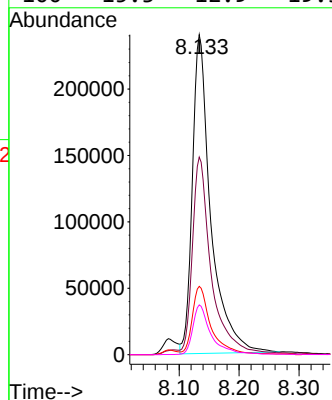
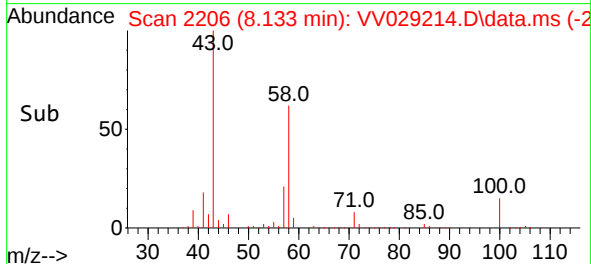


#48
2-Hexanone
Concen: 58.518 ug/L
RT: 8.133 min Scan# 21
Delta R.T. -0.006 min
Lab File: VV029214.D
Acq: 20 Nov 2022 10:25

Instrument :
MSVOA_V
ClientSampleId :

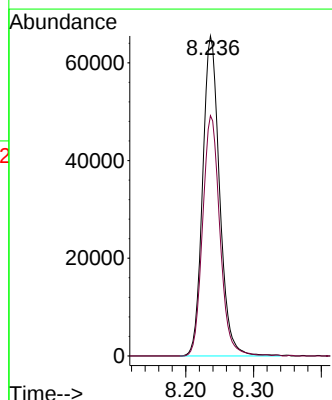
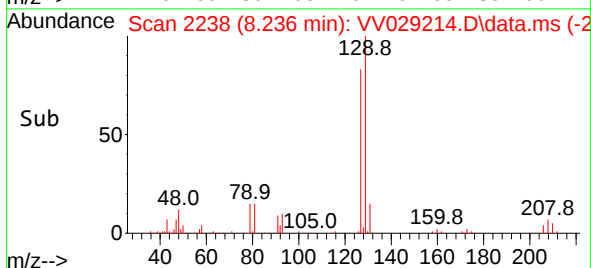
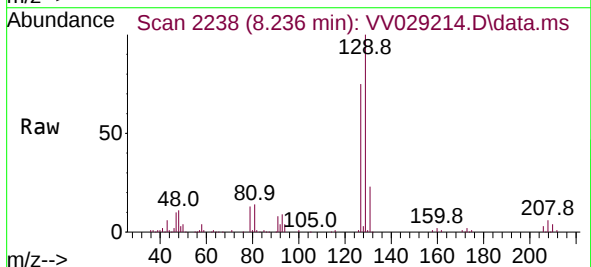


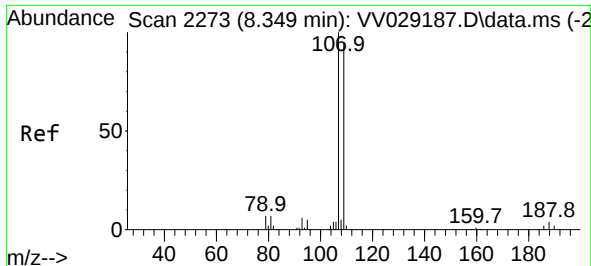
Tgt Ion:	43	Resp:	513425
Ion Ratio	100	Lower	Upper
58	62.8	50.2	75.4
57	21.1	17.8	26.8
100	15.3	12.9	19.3



#49
Dibromochloromethane
Concen: 4.933 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. -0.006 min
Lab File: VV029214.D
Acq: 20 Nov 2022 10:25

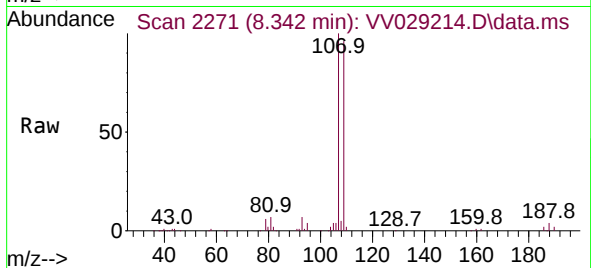
Tgt Ion:	129	Resp:	113660
Ion Ratio	100	Lower	Upper
127	75.1	54.5	101.1



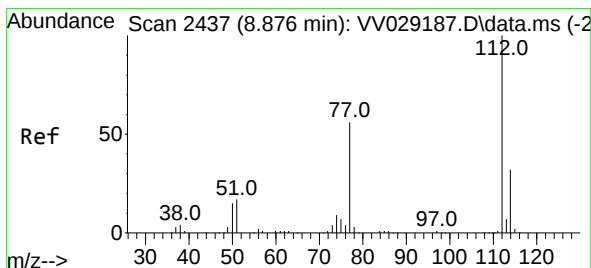
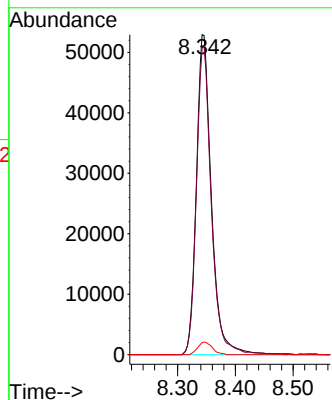
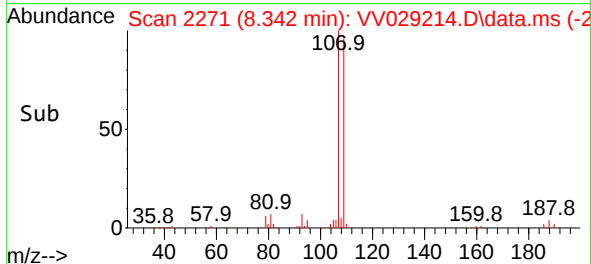


#50
1,2-Dibromoethane
Concen: 5.403 ug/L
RT: 8.342 min Scan# 21
Delta R.T. -0.006 min
Lab File: VV029214.D
Acq: 20 Nov 2022 10:25

Instrument :
MSVOA_V
ClientSampleId :

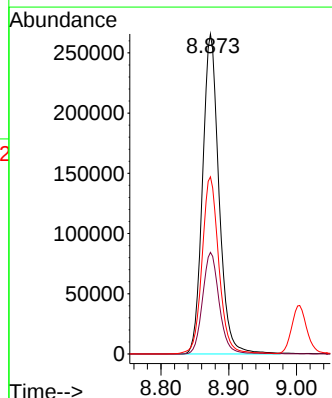
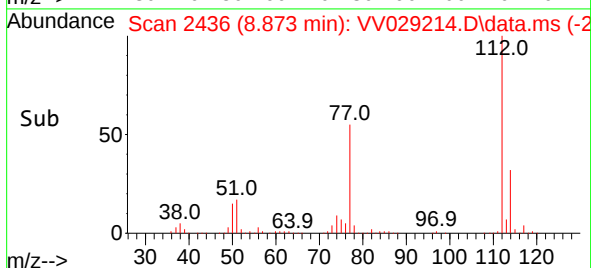
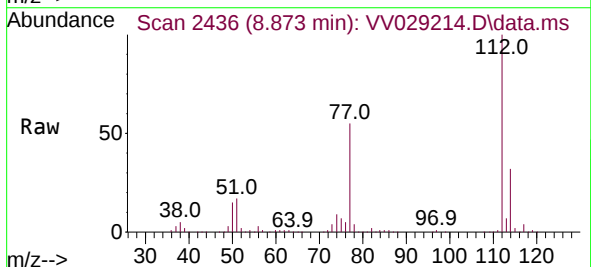


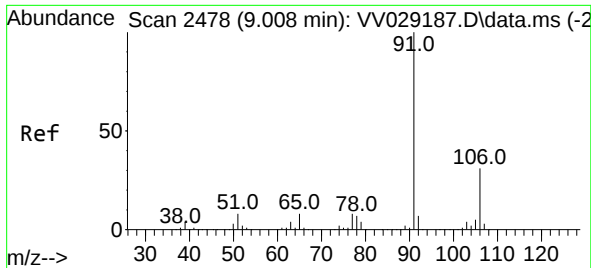
Tgt Ion:107 Resp: 95660
Ion Ratio Lower Upper
107 100
109 95.9 64.4 119.6
188 3.7 2.9 4.3



#51
Chlorobenzene
Concen: 5.304 ug/L
RT: 8.873 min Scan# 2436
Delta R.T. -0.003 min
Lab File: VV029214.D
Acq: 20 Nov 2022 10:25

Tgt Ion:112 Resp: 447289
Ion Ratio Lower Upper
112 100
114 31.7 22.4 41.6
77 55.3 44.4 66.6

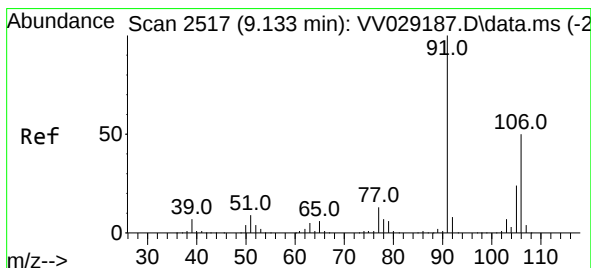
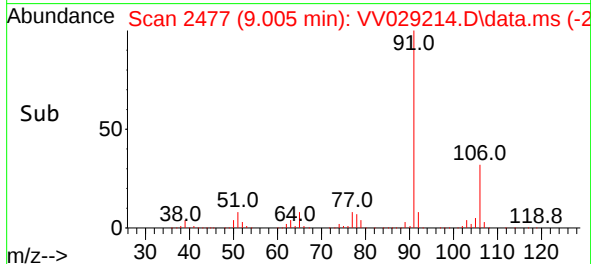
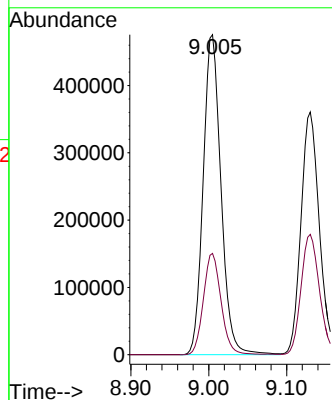
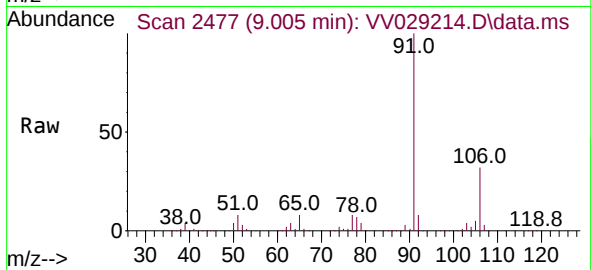




#52
Ethylbenzene
Concen: 5.312 ug/L
RT: 9.005 min Scan# 2478
Delta R.T. -0.003 min
Lab File: VV029214.D
Acq: 20 Nov 2022 10:25

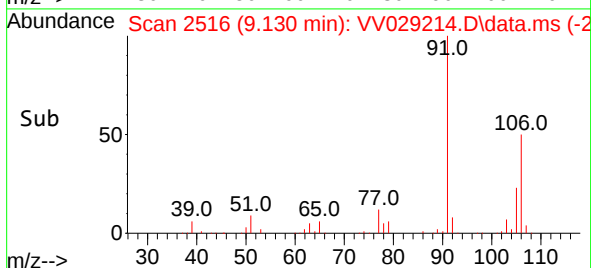
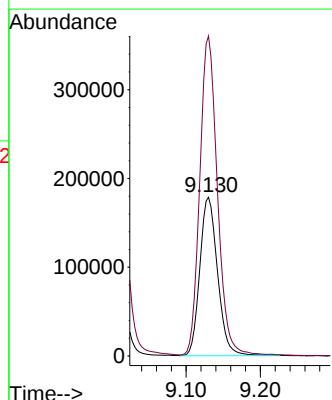
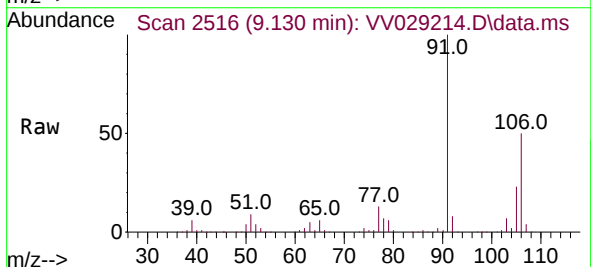
Instrument :
MSVOA_V
ClientSampleId :

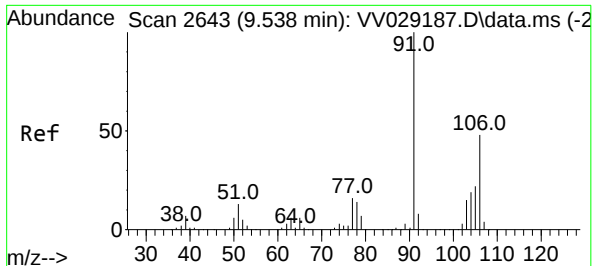
Tgt Ion: 91 Resp: 754235
Ion Ratio Lower Upper
91 100
106 31.6 21.6 40.2



#53
m,p-Xylene
Concen: 5.249 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. -0.003 min
Lab File: VV029214.D
Acq: 20 Nov 2022 10:25

Tgt Ion: 106 Resp: 296408
Ion Ratio Lower Upper
106 100
91 201.7 139.1 258.3

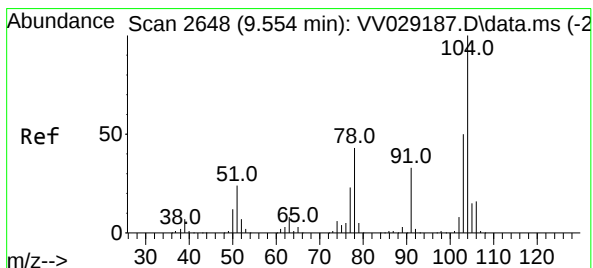
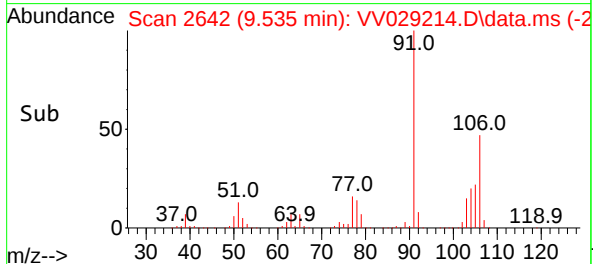
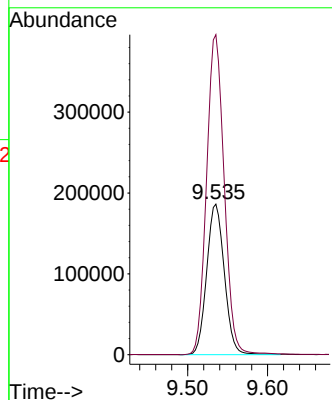
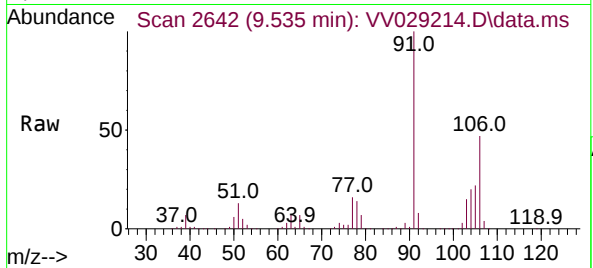




#54
o-Xylene
Concen: 5.338 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. -0.003 min
Lab File: VV029214.D
Acq: 20 Nov 2022 10:25

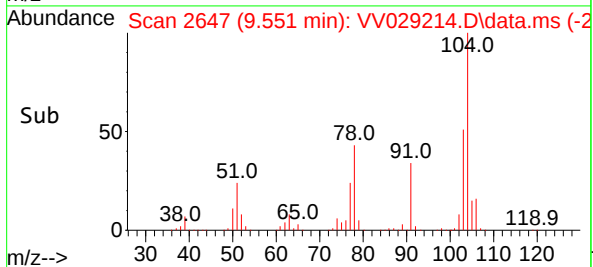
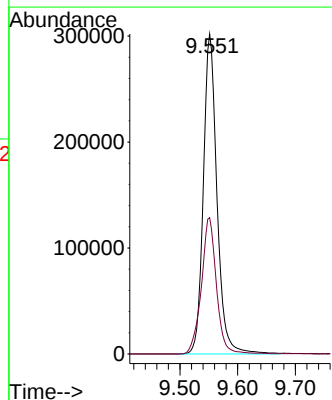
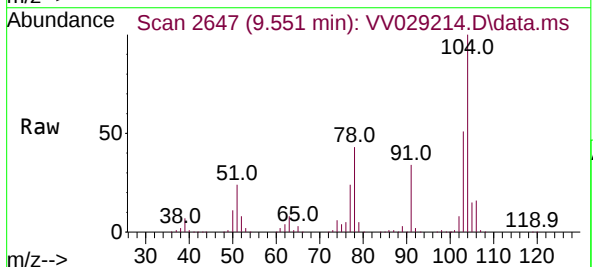
Instrument :
MSVOA_V
ClientSampleId :

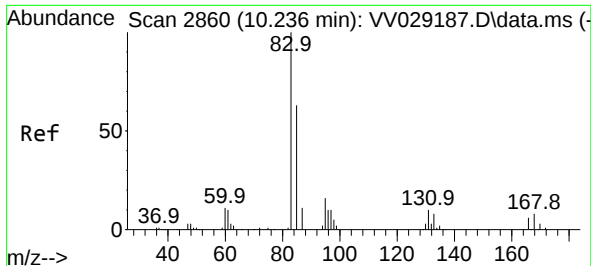
Tgt Ion:106 Resp: 286530
Ion Ratio Lower Upper
106 100
91 212.5 145.7 270.7



#55
Styrene
Concen: 5.511 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. -0.003 min
Lab File: VV029214.D
Acq: 20 Nov 2022 10:25

Tgt Ion:104 Resp: 496179
Ion Ratio Lower Upper
104 100
78 42.6 30.1 55.9

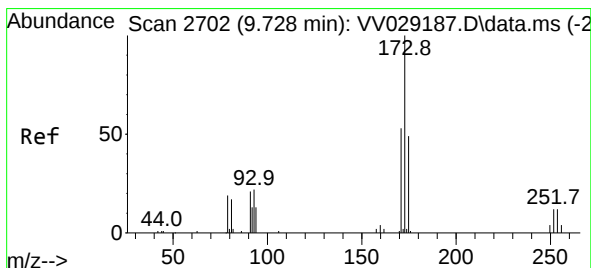
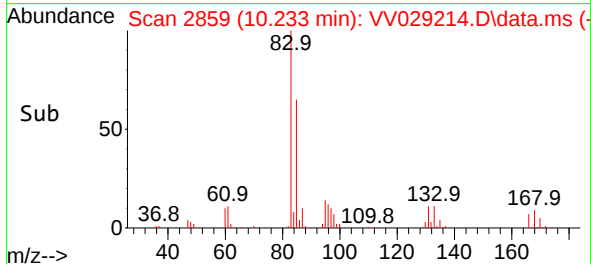
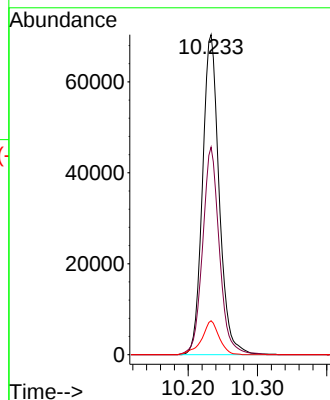
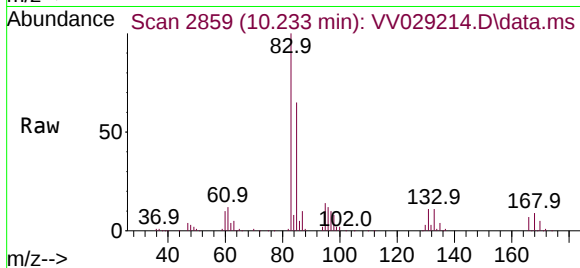




#57
1,1,2,2-Tetrachloroethane
Concen: 5.288 ug/L
RT: 10.233 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV029214.D
Acq: 20 Nov 2022 10:25

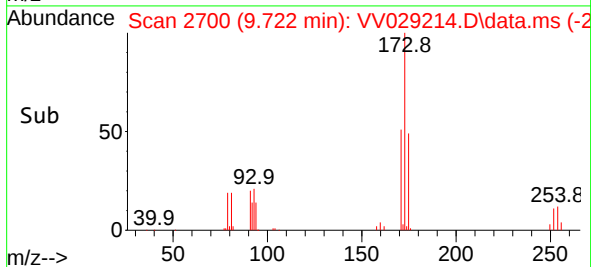
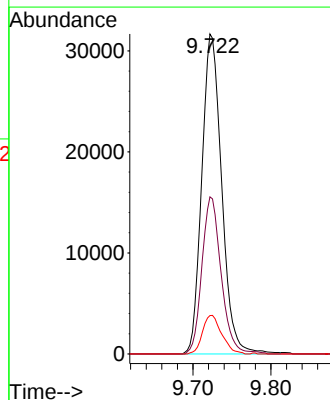
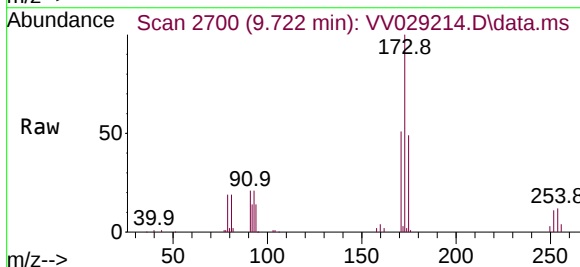
Instrument :
MSVOA_V
ClientSampleId :

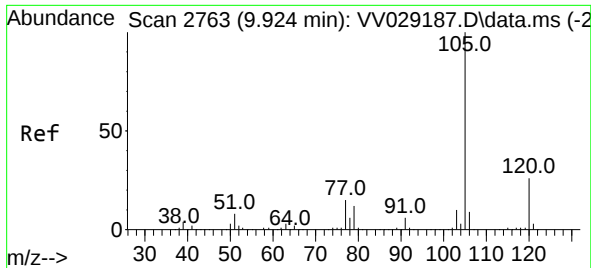
Tgt Ion: 83 Resp: 117453
Ion Ratio Lower Upper
83 100
85 64.8 45.2 84.0
131 10.6 7.5 11.3



#59
Bromoform
Concen: 4.897 ug/L
RT: 9.722 min Scan# 2700
Delta R.T. -0.006 min
Lab File: VV029214.D
Acq: 20 Nov 2022 10:25

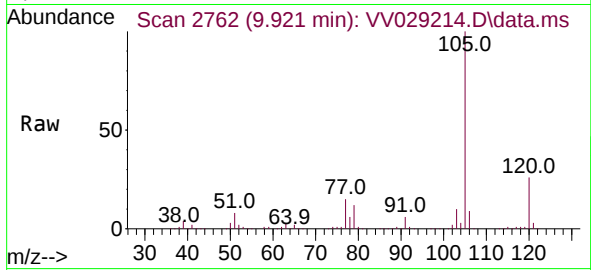
Tgt Ion: 173 Resp: 56204
Ion Ratio Lower Upper
173 100
175 47.4 38.2 57.4
254 11.6 8.5 12.7



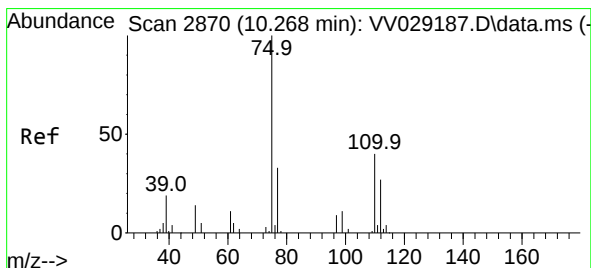
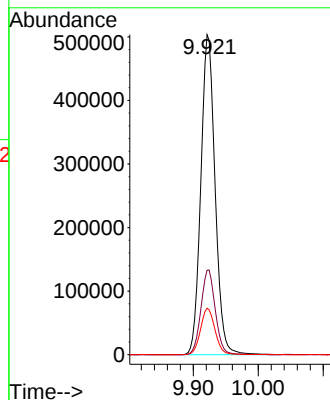
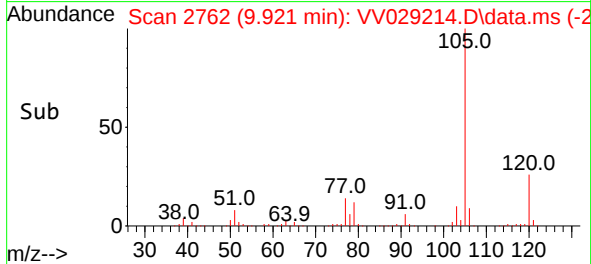


#60
Isopropylbenzene
Concen: 5.639 ug/L
RT: 9.921 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV029214.D
Acq: 20 Nov 2022 10:25

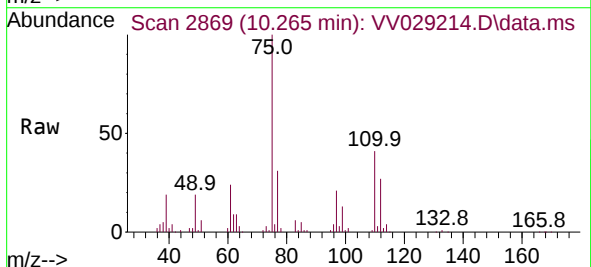
Instrument :
MSVOA_V
ClientSampleId :



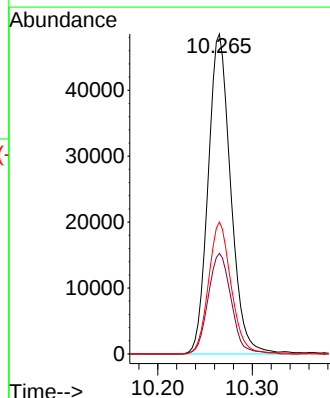
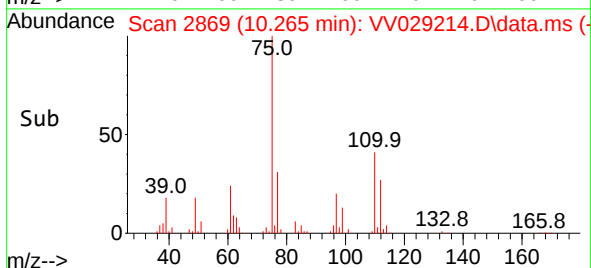
Tgt Ion:105 Resp: 770502
Ion Ratio Lower Upper
105 100
120 26.7 21.3 31.9
77 14.7 11.8 17.8

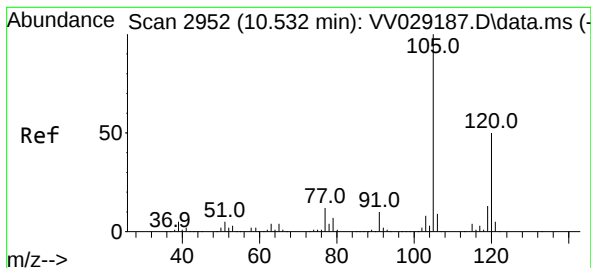


#61
1,2,3-Trichloropropane
Concen: 5.586 ug/L
RT: 10.265 min Scan# 2869
Delta R.T. -0.003 min
Lab File: VV029214.D
Acq: 20 Nov 2022 10:25



Tgt Ion: 75 Resp: 80358
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.2
110 41.5 32.6 48.8





#62

1,3,5-Trimethylbenzene

Concen: 5.431 ug/L

RT: 10.529 min Scan# 2952

Delta R.T. -0.003 min

Lab File: VV029214.D

Acq: 20 Nov 2022 10:25

Instrument :

MSVOA_V

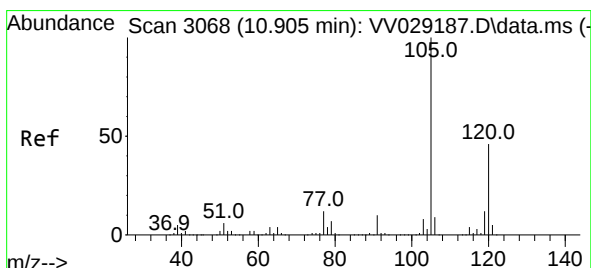
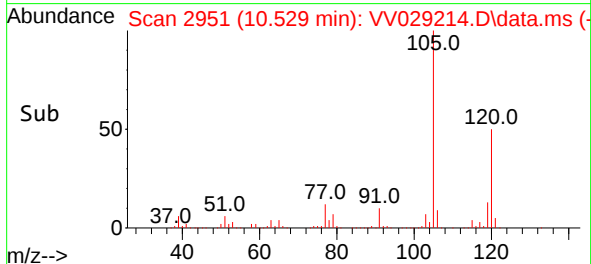
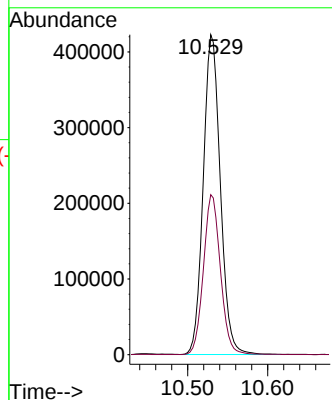
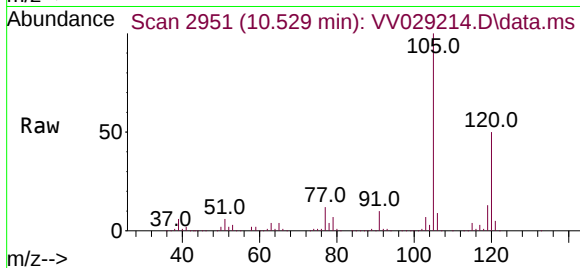
ClientSampleId :

Tgt Ion:105 Resp: 628638

Ion Ratio Lower Upper

105 100

120 49.7 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 5.466 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. 0.000 min

Lab File: VV029214.D

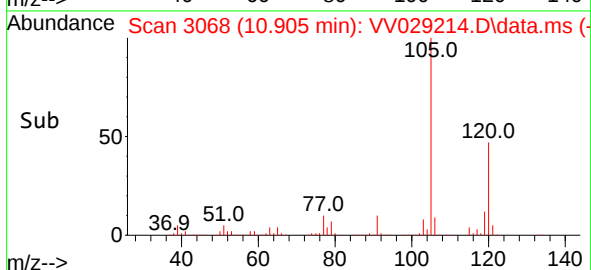
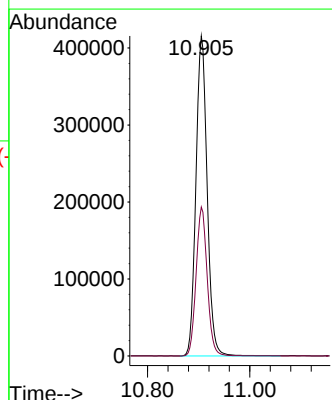
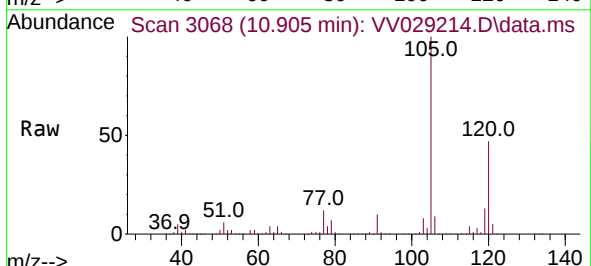
Acq: 20 Nov 2022 10:25

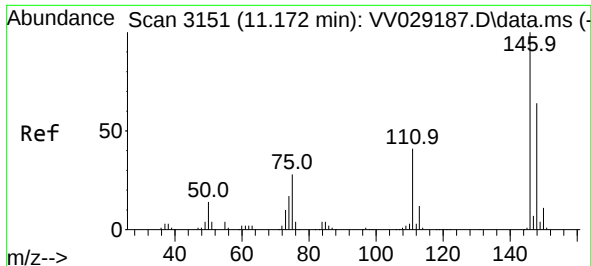
Tgt Ion:105 Resp: 633764

Ion Ratio Lower Upper

105 100

120 46.0 37.8 56.8

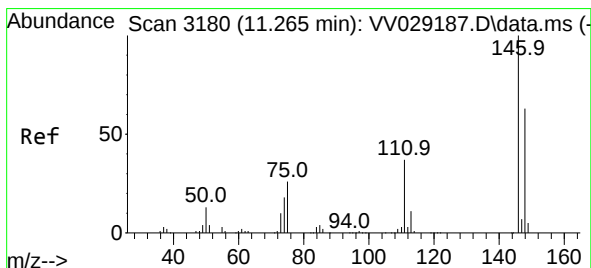
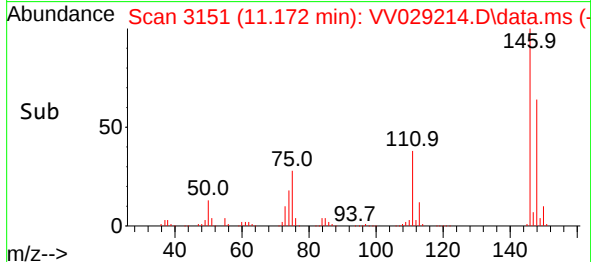
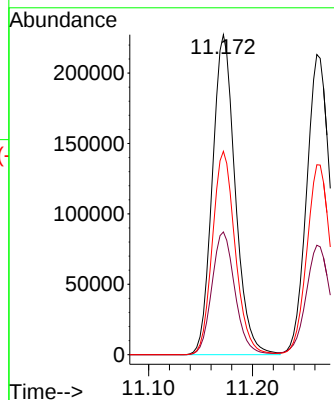
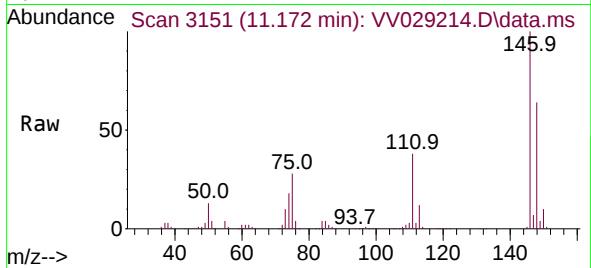




#64
1,3-Dichlorobenzene
Concen: 5.419 ug/L
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV029214.D
Acq: 20 Nov 2022 10:25

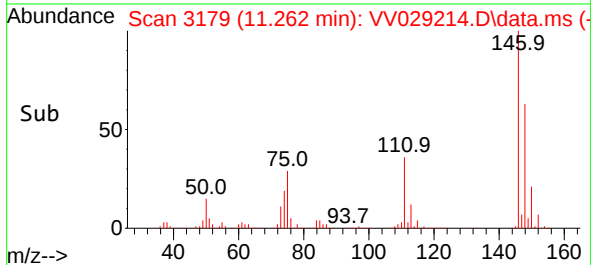
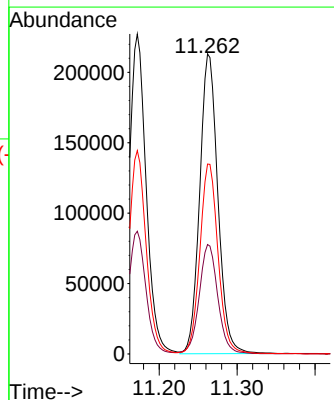
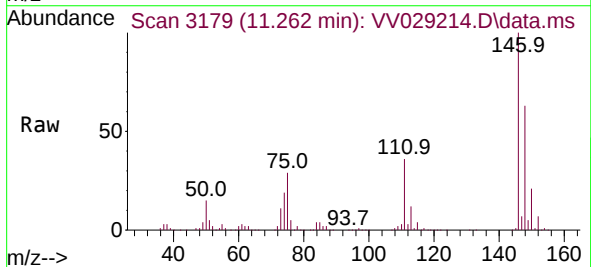
Instrument :
MSVOA_V
ClientSampleId :

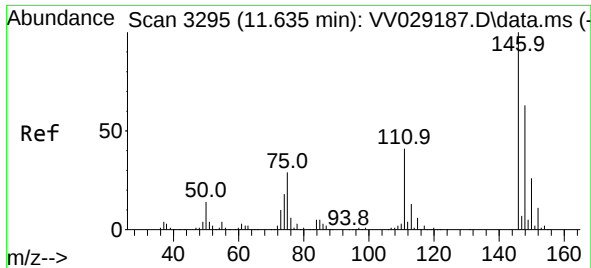
Tgt Ion:146 Resp: 347913
Ion Ratio Lower Upper
146 100
111 38.4 26.9 50.1
148 63.5 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 5.347 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. -0.003 min
Lab File: VV029214.D
Acq: 20 Nov 2022 10:25

Tgt Ion:146 Resp: 345123
Ion Ratio Lower Upper
146 100
111 36.5 26.5 49.3
148 63.3 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 5.402 ug/L

RT: 11.632 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV029214.D

Acq: 20 Nov 2022 10:25

Instrument :

MSVOA_V

ClientSampleId :

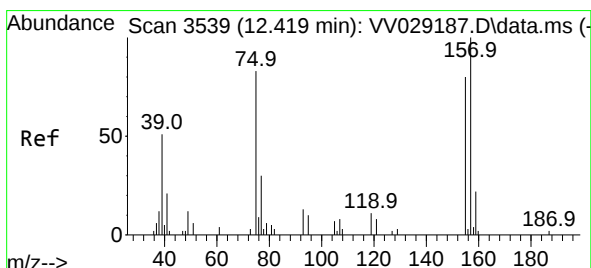
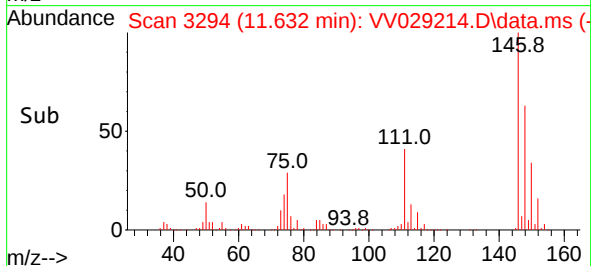
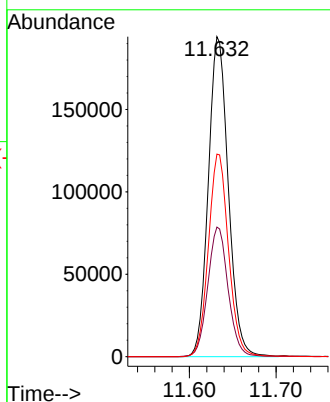
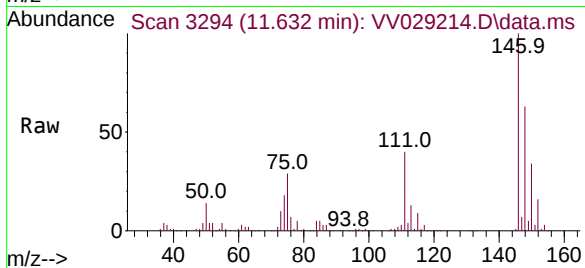
Tgt Ion:146 Resp: 311620

Ion Ratio Lower Upper

146 100

111 40.5 32.4 48.6

148 63.3 49.4 74.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.913 ug/L

RT: 12.419 min Scan# 3539

Delta R.T. 0.000 min

Lab File: VV029214.D

Acq: 20 Nov 2022 10:25

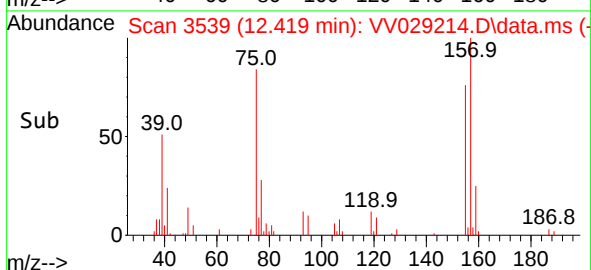
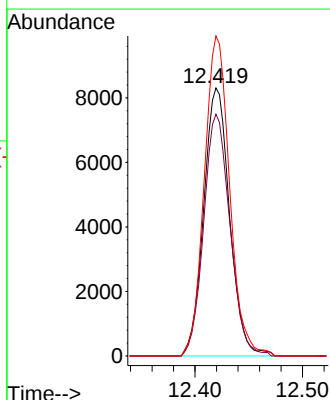
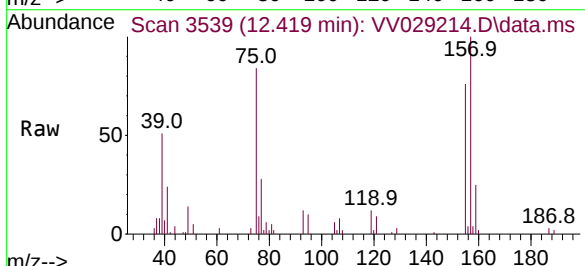
Tgt Ion: 75 Resp: 13907

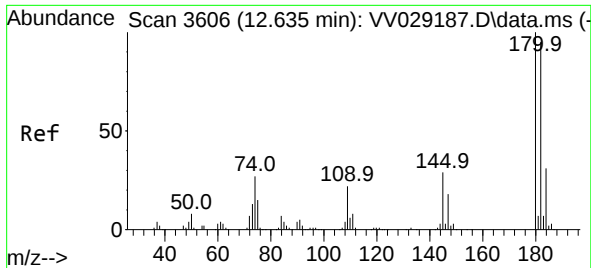
Ion Ratio Lower Upper

75 100

155 90.2 64.8 97.2

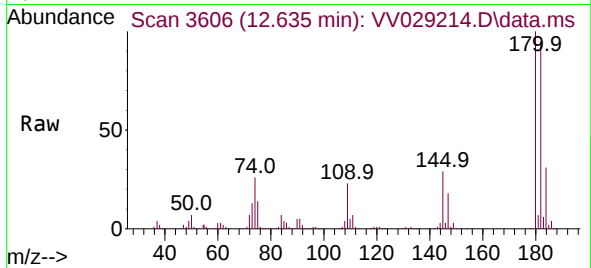
157 119.4 86.3 129.5





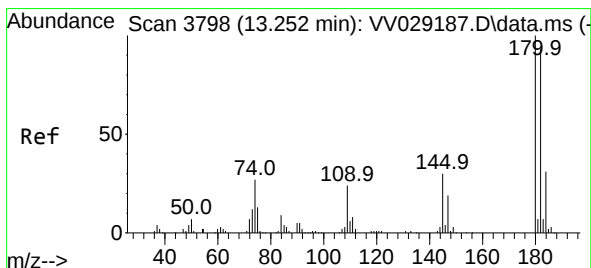
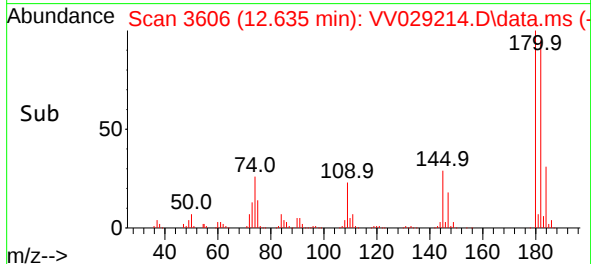
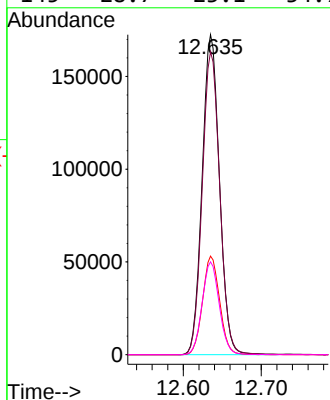
#69
 1,3,5-Trichlorobenzene
 Concen: 5.377 ug/L
 RT: 12.635 min Scan# 3606
 Delta R.T. 0.000 min
 Lab File: VV029214.D
 Acq: 20 Nov 2022 10:25

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:180 Resp: 266357

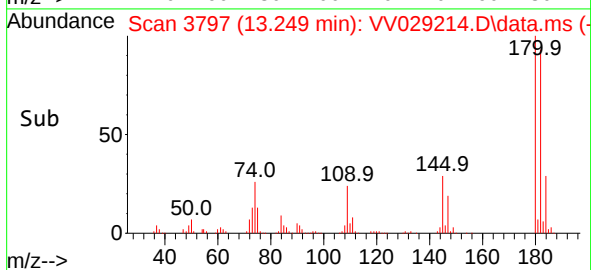
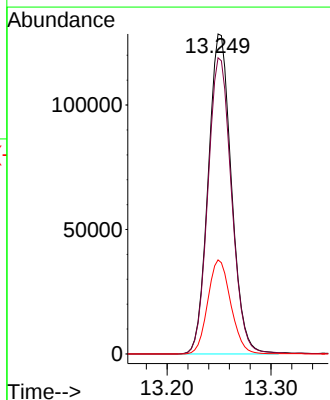
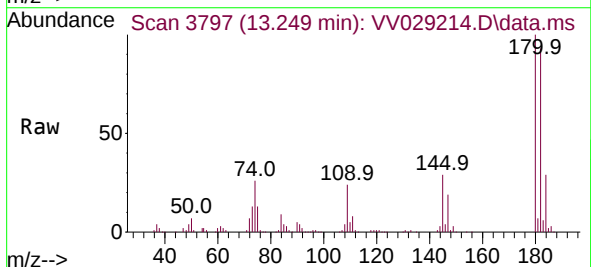
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.7	115.1
184	30.3	24.0	36.0
145	28.7	23.1	34.7

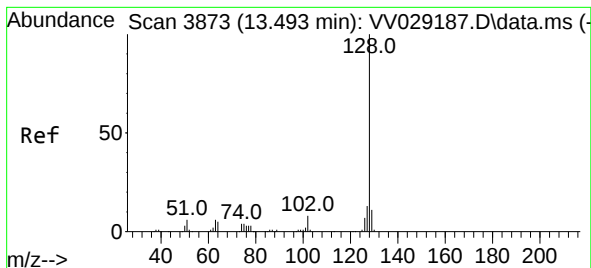


#70
 1,2,4-trichlorobenzene
 Concen: 5.325 ug/L
 RT: 13.249 min Scan# 3797
 Delta R.T. -0.003 min
 Lab File: VV029214.D
 Acq: 20 Nov 2022 10:25

Tgt Ion:180 Resp: 199503

Ion	Ratio	Lower	Upper
180	100		
182	94.0	74.3	111.5
145	29.1	23.7	35.5





#71

Naphthalene

Concen: 4.908 ug/L

RT: 13.493 min Scan# 3873

Delta R.T. 0.000 min

Lab File: VV029214.D

Acq: 20 Nov 2022 10:25

Instrument :

MSVOA_V

ClientSampleId :

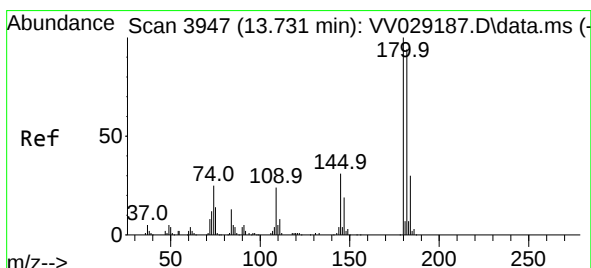
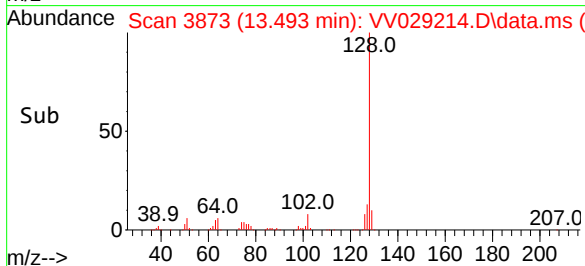
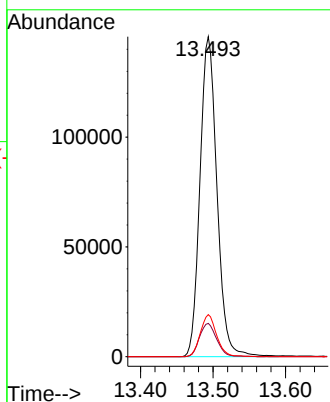
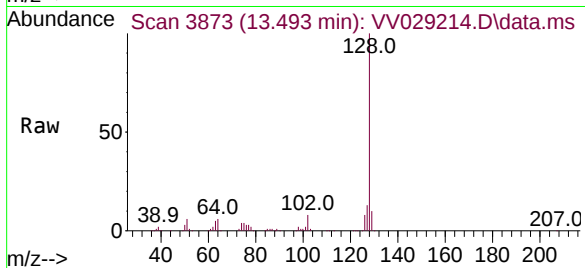
Tgt Ion:128 Resp: 237251

Ion Ratio Lower Upper

128 100

129 10.5 8.8 13.2

127 12.6 9.8 14.8



#72

1,2,3-Trichlorobenzene

Concen: 5.148 ug/L

RT: 13.731 min Scan# 3947

Delta R.T. 0.000 min

Lab File: VV029214.D

Acq: 20 Nov 2022 10:25

Tgt Ion:180 Resp: 163343

Ion Ratio Lower Upper

180 100

182 96.7 75.4 113.2

145 31.1 24.9 37.3

