

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052623\
 Data File : VW031248.D
 Acq On : 26 May 2023 12:51
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 27 00:53:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 27 00:51:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	358713	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	345710	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	199160	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	121195	39.533	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.060%
7) Chloroethane-d5	1.536	69	109409	46.327	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.660%
11) 1,1-Dichloroethene-d2	2.063	65	55633	38.699	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.400%
21) 2-Butanone-d5	3.796	46	195770	119.846	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.850%
24) Chloroform-d	4.256	84	261423	48.203	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.400%
26) 1,2-Dichloroethane-d4	4.947	65	171264	46.733	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.460%
32) Benzene-d6	4.966	84	461190	49.210	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.420%
36) 1,2-Dichloropropane-d6	5.995	67	144342	51.474	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.940%
41) Toluene-d8	7.249	98	427265	48.847	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.700%
43) trans-1,3-Dichloroprop...	7.558	79	72805	51.749	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.500%
47) 2-Hexanone-d5	8.030	63	132977	121.625	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.630%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	232826	55.357	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.720%
66) 1,2-Dichlorobenzene-d4	11.567	152	166089	46.408	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.820%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	100022	43.191	ug/L	97
3) Chloromethane	1.217	50	111183	43.853	ug/L	99
5) Vinyl chloride	1.285	62	109638	48.415	ug/L	100
6) Bromomethane	1.490	94	63299	49.877	ug/L	96
8) Chloroethane	1.552	64	75691	51.871	ug/L	98
9) Trichlorofluoromethane	1.716	101	184124	41.338	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	107811	45.899	ug/L	93
12) 1,1-Dichloroethene	2.072	96	83145	41.727	ug/L	86
13) Acetone	2.124	43	155305	73.131	ug/L	93
14) Carbon disulfide	2.246	76	172782	47.583	ug/L	97
15) Methyl Acetate	2.378	43	148306	61.446	ug/L	96
16) Methylene chloride	2.452	84	120845	54.476	ug/L	93
17) trans-1,2-Dichloroethene	2.699	96	87149	47.305	ug/L	92
18) Methyl tert-butyl Ether	2.709	73	370176	52.015	ug/L	94
19) 1,1-Dichloroethane	3.117	63	233811	55.689	ug/L	95
20) cis-1,2-Dichloroethene	3.822	96	110988	48.870	ug/L	91
22) 2-Butanone	3.879	43	205542	100.929	ug/L	96
23) Bromochloromethane	4.156	128	60876	48.778	ug/L	# 86
25) Chloroform	4.281	83	251437	53.610	ug/L	95

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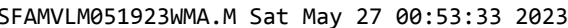
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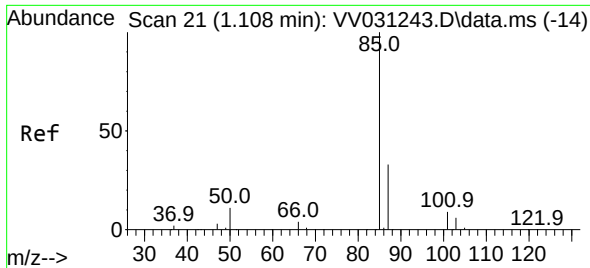
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 Quant Title : VOC Analysis
 QLast Update : Sat May 27 00:51:17 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	190220	47.801	ug/L	99
29) Cyclohexane	4.590	56	140314	51.579	ug/L	93
30) 1,1,1-Trichloroethane	4.519	97	214490	50.560	ug/L	96
31) Carbon tetrachloride	4.744	117	182835	49.472	ug/L	100
33) Benzene	5.014	78	435056	52.529	ug/L	100
34) Trichloroethene	5.838	95	104490	47.085	ug/L	93
35) Methylcyclohexane	6.056	83	132656	45.048	ug/L	94
37) 1,2-Dichloropropane	6.101	63	125581	55.090	ug/L #	90
38) Bromodichloromethane	6.439	83	182728	51.710	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	194856	55.433	ug/L	100
40) 4-Methyl-2-pentanone	7.165	43	404803	115.401	ug/L	97
42) Toluene	7.320	91	462668	51.633	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	196219	55.180	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	132314	53.191	ug/L	96
46) Tetrachloroethene	7.911	164	84149	44.159	ug/L	95
48) 2-Hexanone	8.082	43	306585	104.935	ug/L	95
49) Dibromochloromethane	8.182	129	142145	50.647	ug/L	96
50) 1,2-Dibromoethane	8.288	107	131095	53.007	ug/L	97
51) Chlorobenzene	8.818	112	301788	47.318	ug/L	93
52) Ethylbenzene	8.953	91	507654	49.482	ug/L	98
53) m,p-Xylene	9.079	106	186615	46.892	ug/L	92
54) o-Xylene	9.484	106	179126	45.626	ug/L	87
55) Styrene	9.503	104	340860	49.091	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.185	83	225193	55.098	ug/L	98
59) Bromoform	9.670	173	106066	45.930	ug/L	99
60) Isopropylbenzene	9.873	105	519775	48.799	ug/L	97
61) 1,2,3-Trichloropropane	10.214	75	185217	60.452	ug/L	97
62) 1,3,5-Trimethylbenzene	10.484	105	419774	47.945	ug/L	93
63) 1,2,4-Trimethylbenzene	10.857	105	434336	50.736	ug/L	93
64) 1,3-Dichlorobenzene	11.124	146	254206	46.578	ug/L	96
65) 1,4-Dichlorobenzene	11.214	146	268521	47.293	ug/L	96
67) 1,2-Dichlorobenzene	11.587	146	266914	48.199	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.371	75	45981	48.889	ug/L	84
69) 1,3,5-Trichlorobenzene	12.590	180	165871	39.315	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	130431	36.327	ug/L	98
71) Naphthalene	13.445	128	372605	39.952	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	150445	41.931	ug/L	97

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

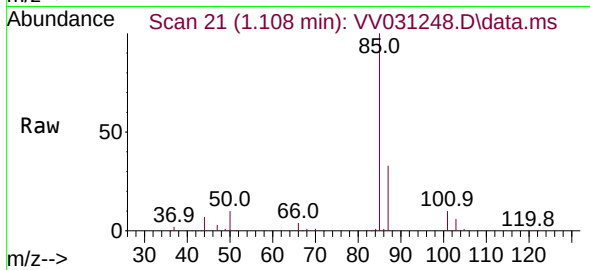
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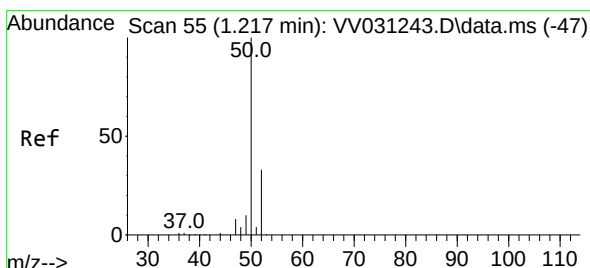
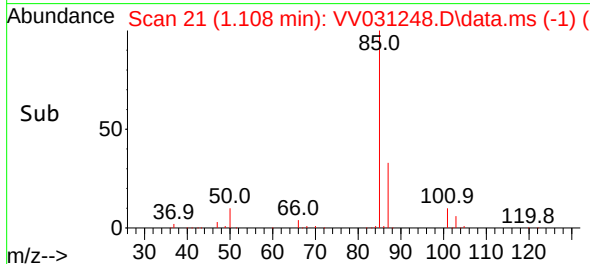
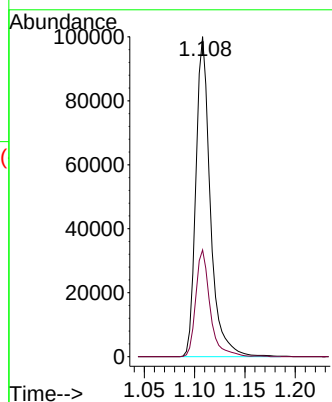


#2
 Dichlorodifluoromethane
 Concen: 43.191 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV031248.D
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Instrument :
 MSVOA_V
 ClientSampleId :

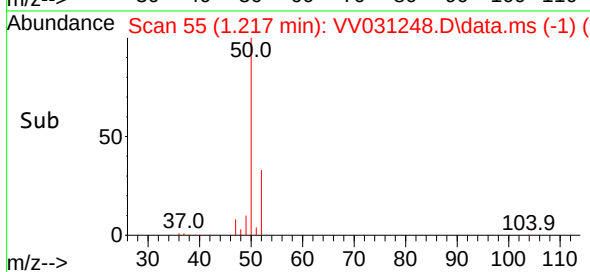
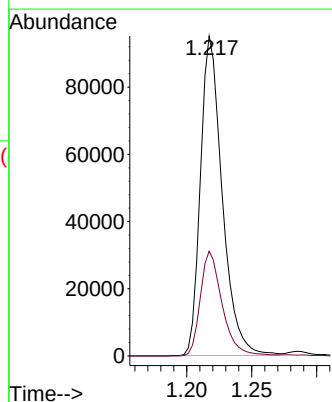
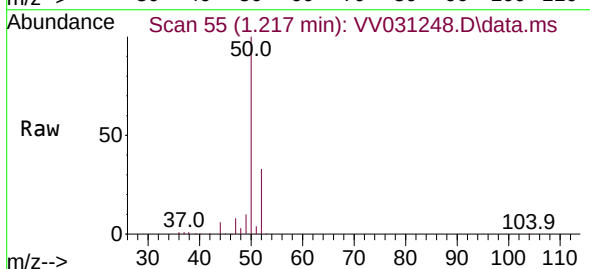


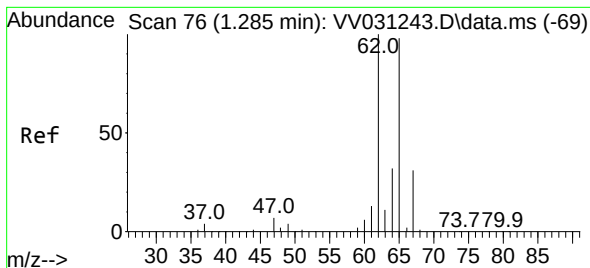
Tgt Ion: 85 Resp: 100022
 Ion Ratio Lower Upper
 85 100
 87 33.0 25.2 37.8



#3
 Chloromethane
 Concen: 43.853 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031248.D
 Acq: 26 May 2023 12:51

Tgt Ion: 50 Resp: 111183
 Ion Ratio Lower Upper
 50 100
 52 32.8 23.3 43.3





#5

Vinyl chloride

Concen: 48.415 ug/L

RT: 1.285 min Scan# 70

Delta R.T. -0.000 min

Lab File: VV031248.D

Acq: 26 May 2023 12:51

Instrument :

MSVOA_V

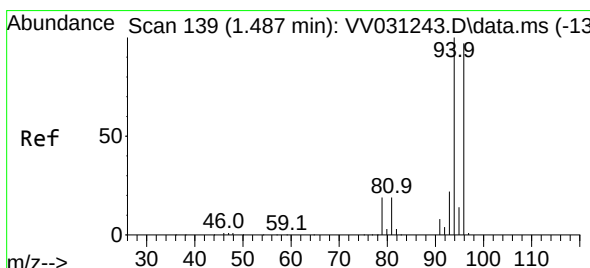
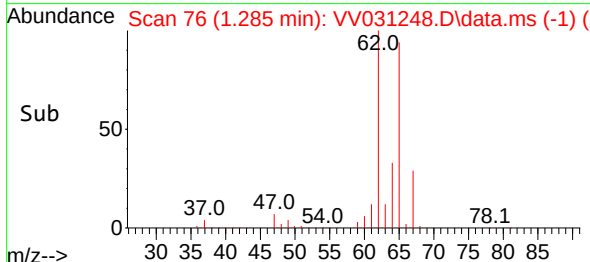
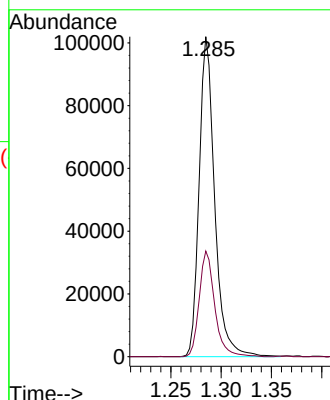
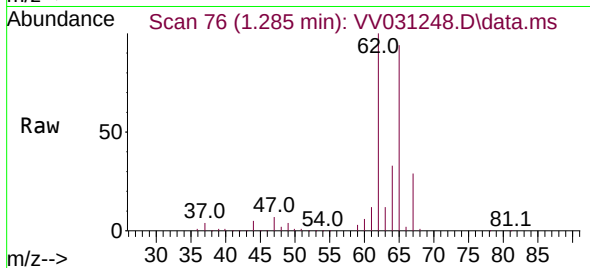
ClientSampleId :

Tgt Ion: 62 Resp: 109638

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



#6

Bromomethane

Concen: 49.877 ug/L

RT: 1.490 min Scan# 140

Delta R.T. 0.003 min

Lab File: VV031248.D

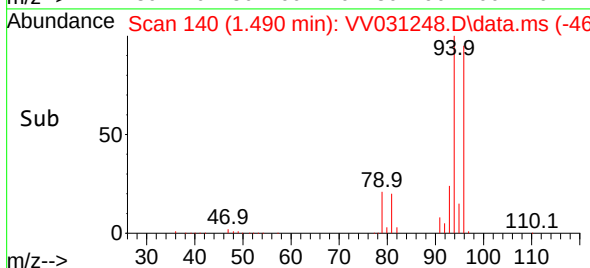
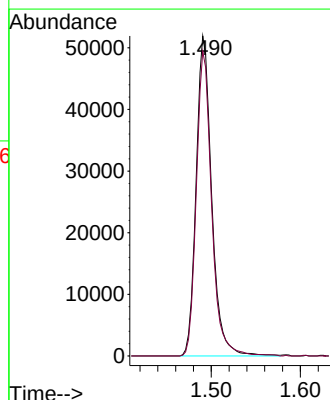
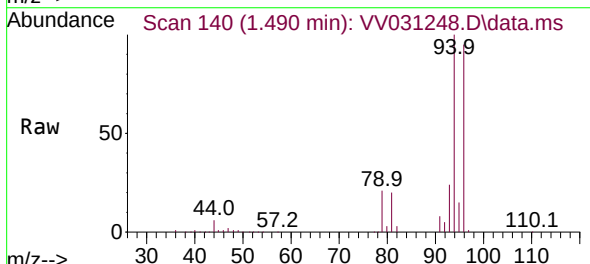
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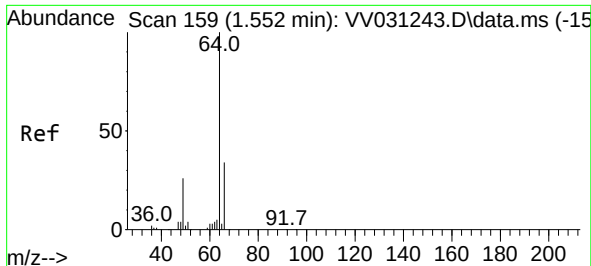
Tgt Ion: 94 Resp: 63299

Ion Ratio Lower Upper

94 100

96 95.2 63.9 118.7

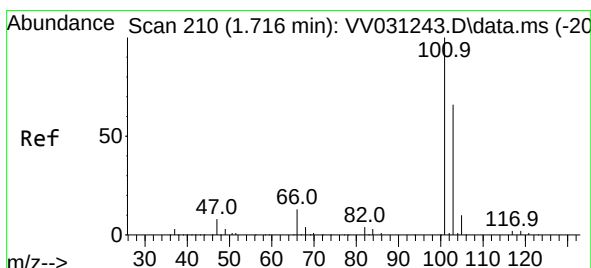
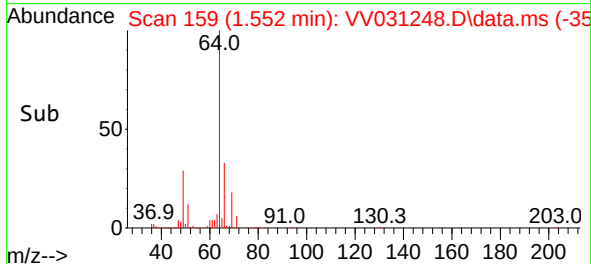
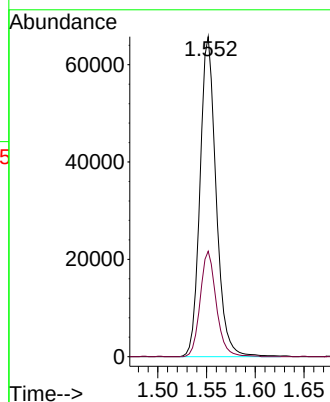
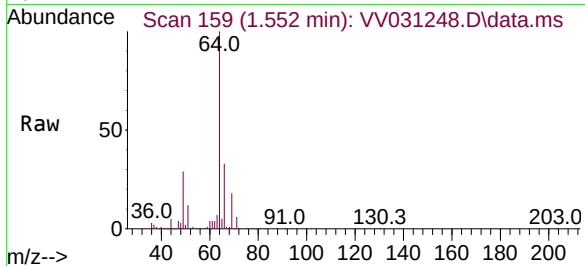




#8
Chloroethane
Concen: 51.871 ug/L
RT: 1.552 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV031248.D
Acq: 26 May 2023 12:51

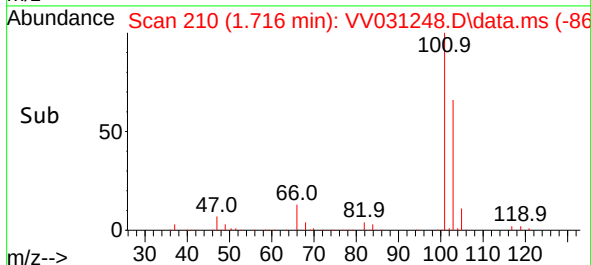
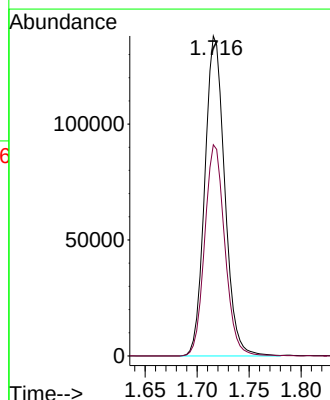
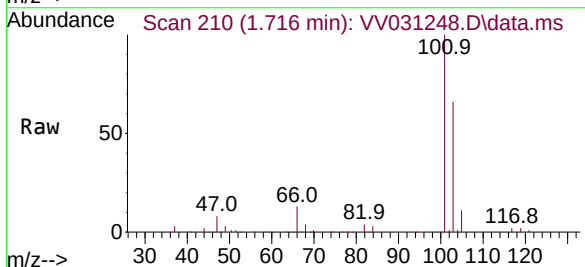
Instrument :
MSVOA_V
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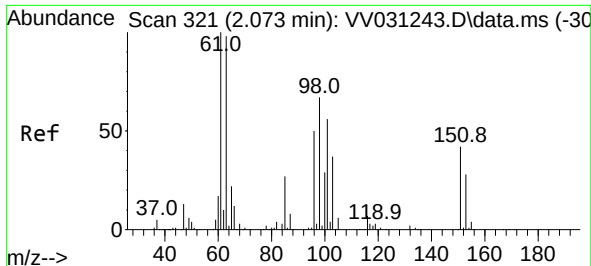
Tgt Ion: 64 Resp: 75691
Ion Ratio Lower Upper
64 100
66 32.9 22.1 41.1



#9
Trichlorofluoromethane
Concen: 41.338 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV031248.D
Acq: 26 May 2023 12:51

Tgt Ion:101 Resp: 184124
Ion Ratio Lower Upper
101 100
103 66.7 51.4 77.2

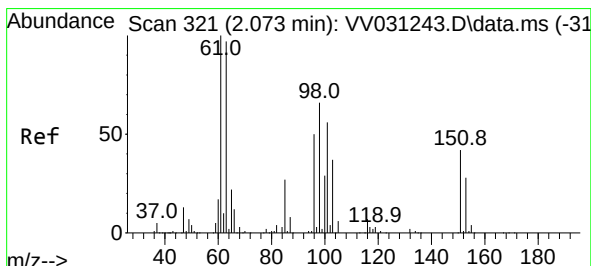
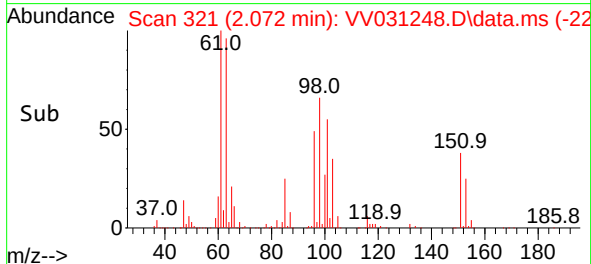
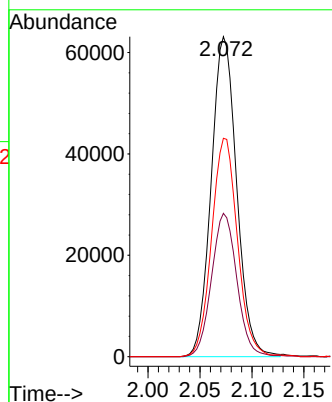
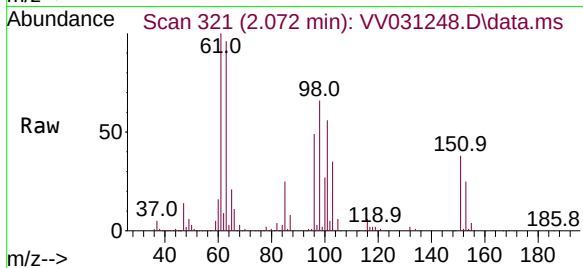




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 45.899 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV031248.D
 Acq: 26 May 2023 12:51

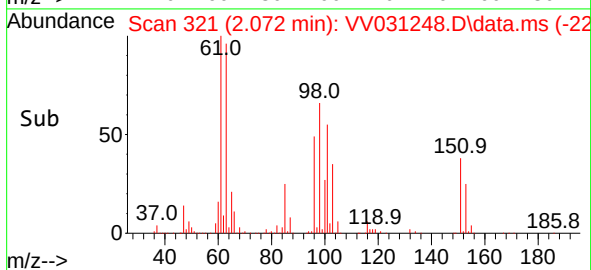
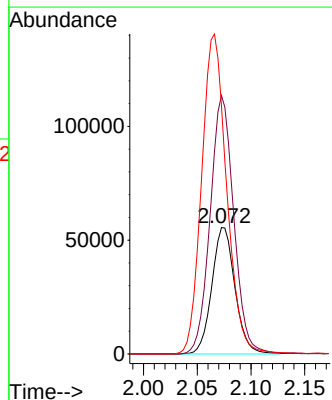
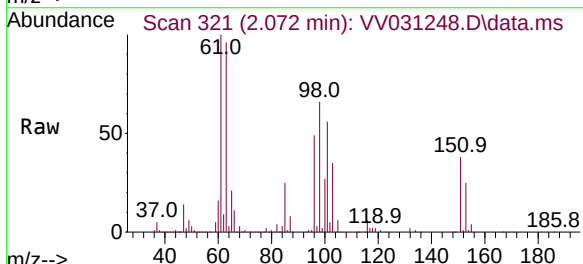
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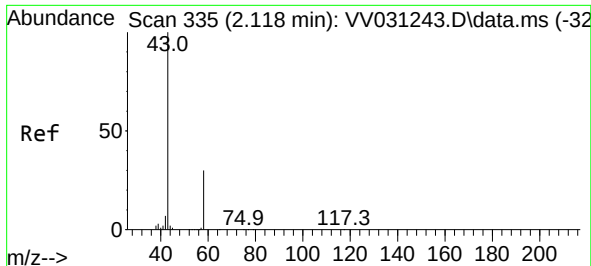
Tgt Ion:101 Resp: 107811
 Ion Ratio Lower Upper
 101 100
 85 44.4 38.0 57.0
 151 69.1 61.7 92.5



#12
 1,1-Dichloroethene
 Concen: 41.727 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV031248.D
 Acq: 26 May 2023 12:51

Tgt Ion: 96 Resp: 83145
 Ion Ratio Lower Upper
 96 100
 61 204.6 137.9 256.1
 63 196.3 114.2 212.0





#13

Acetone

Concen: 73.131 ug/L

RT: 2.124 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV031248.D

Acq: 26 May 2023 12:51

Instrument :

MSVOA_V

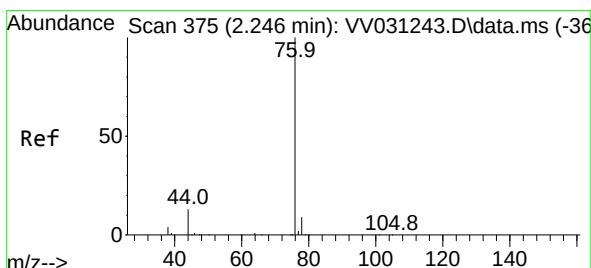
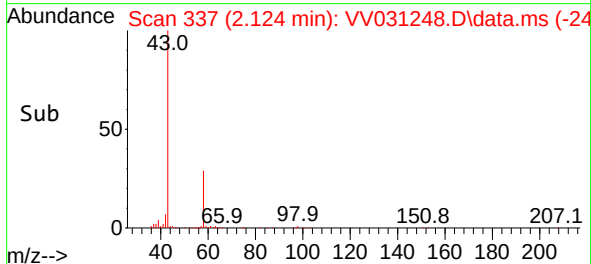
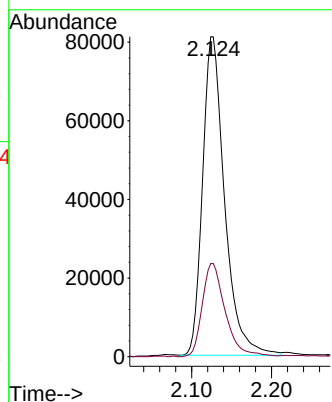
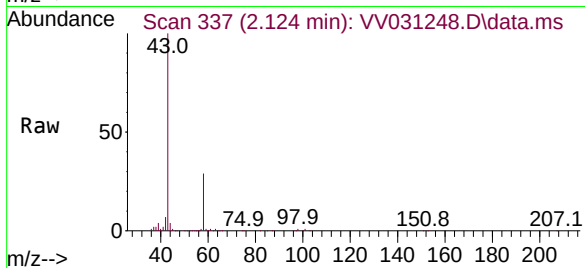
ClientSampleId :

Tgt Ion: 43 Resp: 155305

Ion Ratio Lower Upper

43 100

58 30.5 0.0 54.0



#14

Carbon disulfide

Concen: 47.583 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV031248.D

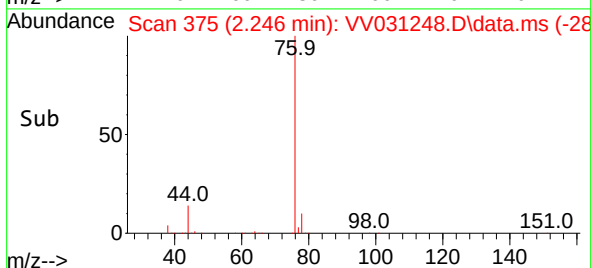
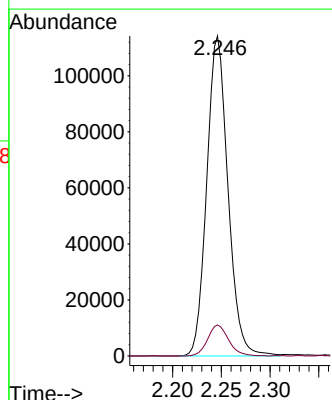
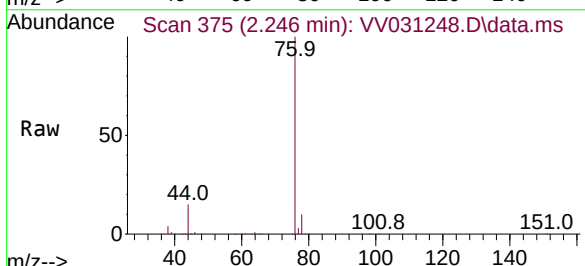
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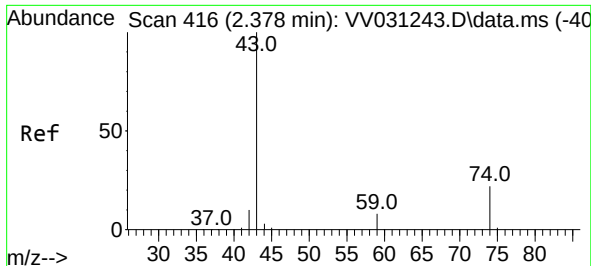
Tgt Ion: 76 Resp: 172782

Ion Ratio Lower Upper

76 100

78 9.7 7.0 10.4

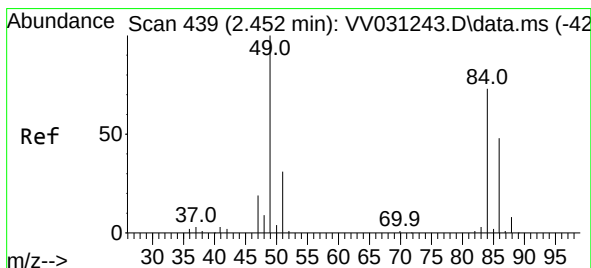
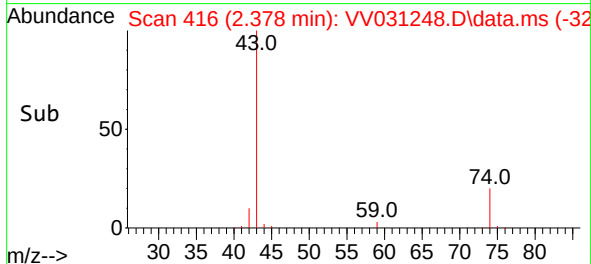
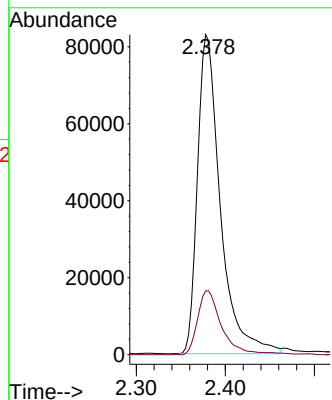
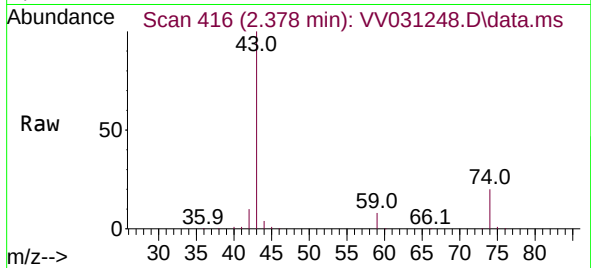




#15
Methyl Acetate
Concen: 61.446 ug/L
RT: 2.378 min Scan# 416
Delta R.T. -0.000 min
Lab File: VV031248.D
Acq: 26 May 2023 12:51

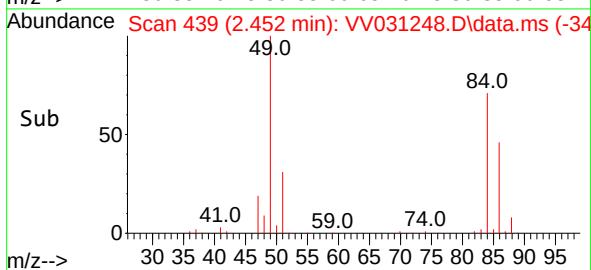
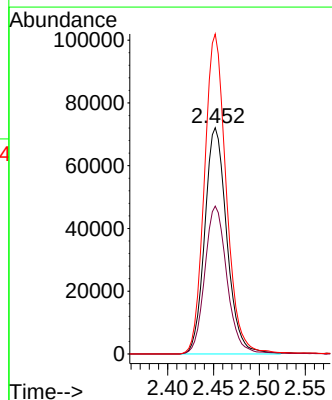
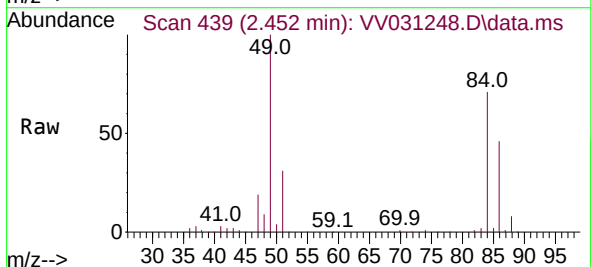
Instrument :
MSVOA_V
ClientSampleId :

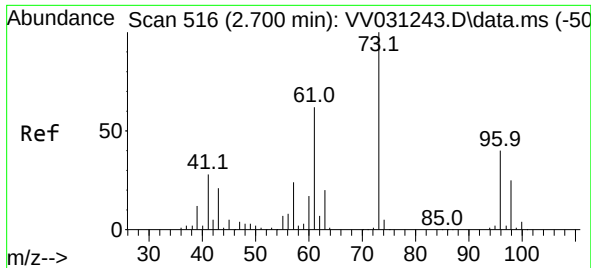
Tgt Ion: 43 Resp: 148306
Ion Ratio Lower Upper
43 100
74 20.7 18.1 27.1



#16
Methylene chloride
Concen: 54.476 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.000 min
Lab File: VV031248.D
Acq: 26 May 2023 12:51

Tgt Ion: 84 Resp: 120845
Ion Ratio Lower Upper
84 100
86 65.4 43.3 80.3
49 141.5 92.6 172.0





#17

trans-1,2-Dichloroethene

Concen: 47.305 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.000 min

Lab File: VV031248.D

Acq: 26 May 2023 12:51

Instrument :

MSVOA_V

ClientSampleId :

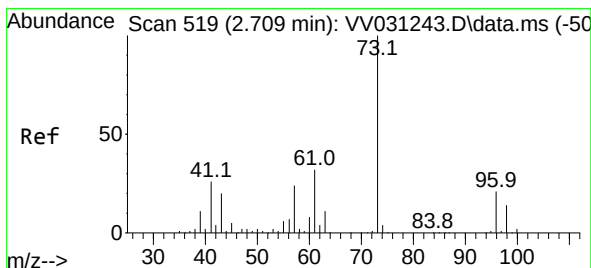
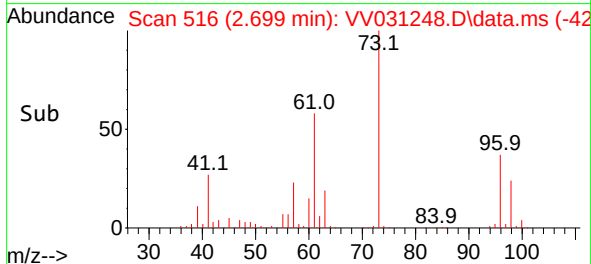
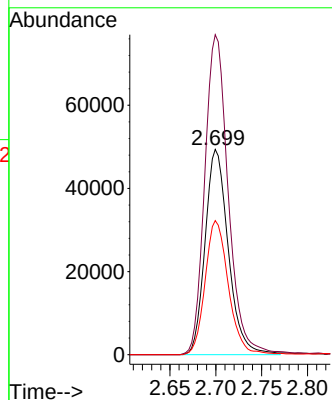
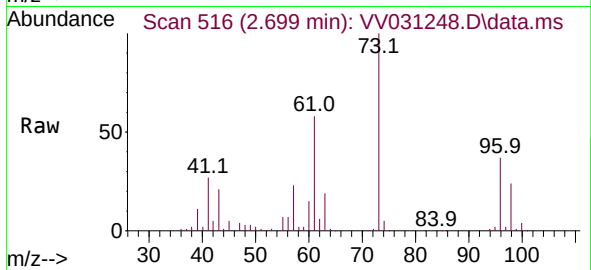
Tgt Ion: 96 Resp: 87149

Ion Ratio Lower Upper

96 100

61 155.9 100.0 185.6

98 65.3 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 52.015 ug/L

RT: 2.709 min Scan# 519

Delta R.T. -0.000 min

Lab File: VV031248.D

Acq: 26 May 2023 12:51

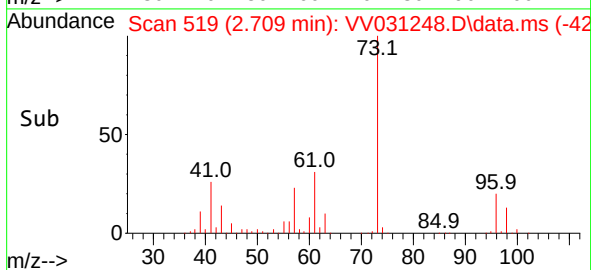
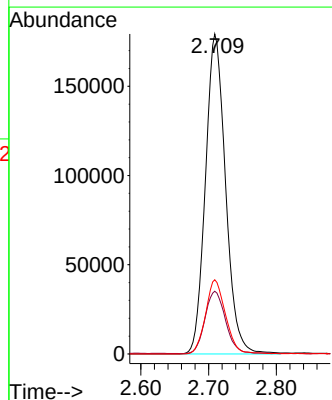
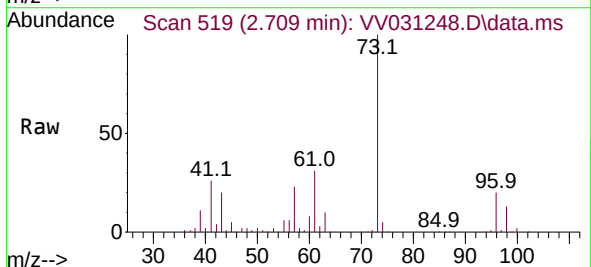
Tgt Ion: 73 Resp: 370176

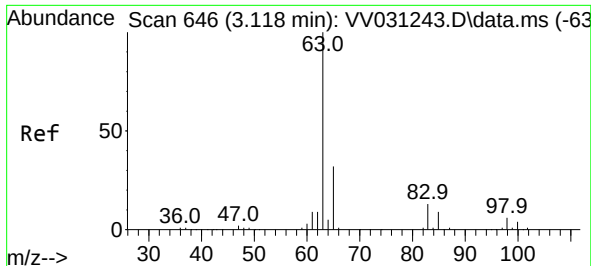
Ion Ratio Lower Upper

73 100

43 19.8 19.4 29.2

57 23.0 17.1 25.7





#19

1,1-Dichloroethane

Concen: 55.689 ug/L

RT: 3.117 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV031248.D

Acq: 26 May 2023 12:51

Instrument :

MSVOA_V

ClientSampleId :

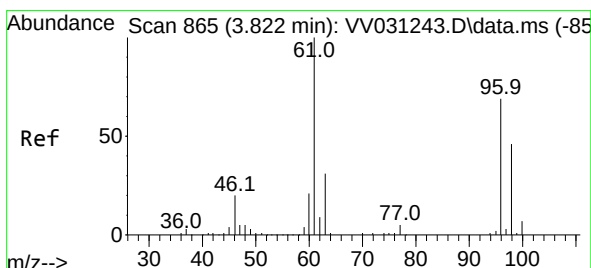
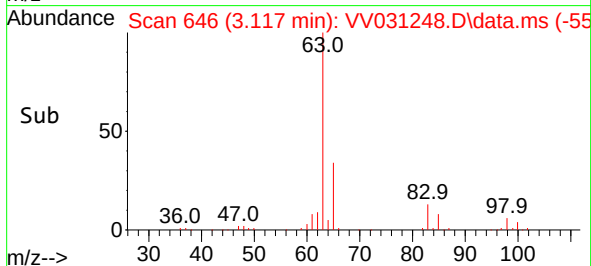
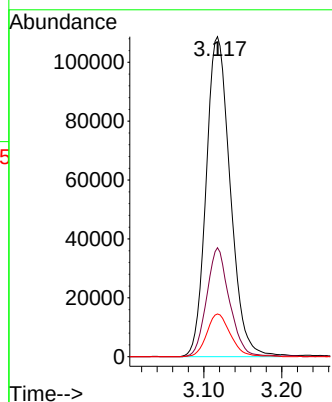
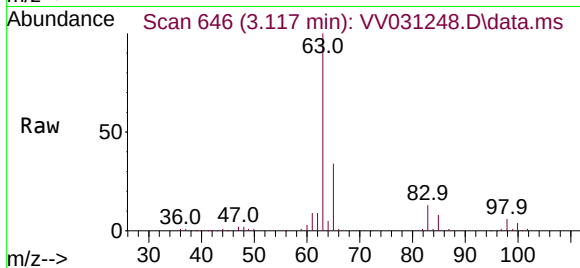
Tgt Ion: 63 Resp: 233811

Ion Ratio Lower Upper

63 100

65 34.1 21.9 40.7

83 13.3 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 48.870 ug/L

RT: 3.822 min Scan# 865

Delta R.T. -0.000 min

Lab File: VV031248.D

Acq: 26 May 2023 12:51

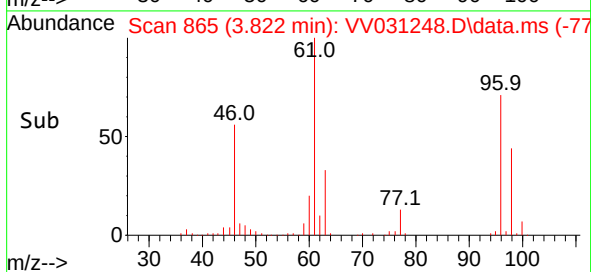
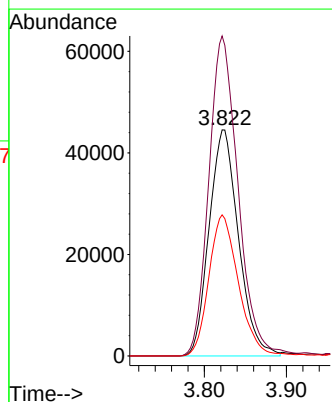
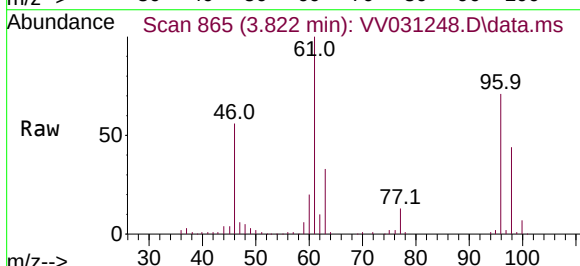
Tgt Ion: 96 Resp: 110988

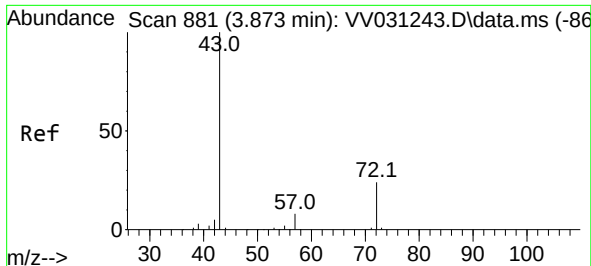
Ion Ratio Lower Upper

96 100

61 141.5 89.2 165.6

98 62.4 43.0 80.0

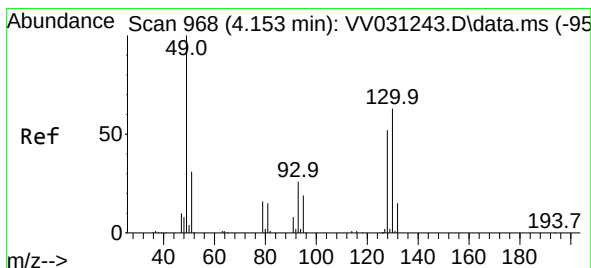
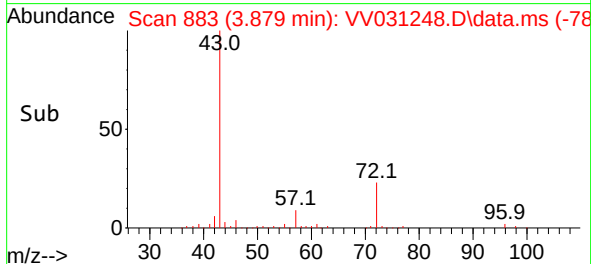
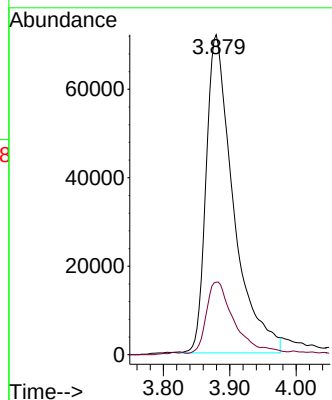
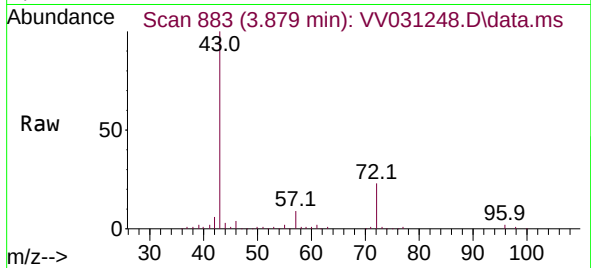




#22
2-Butanone
Concen: 100.929 ug/L
RT: 3.879 min Scan# 881
Delta R.T. 0.006 min
Lab File: VV031248.D
Acq: 26 May 2023 12:51

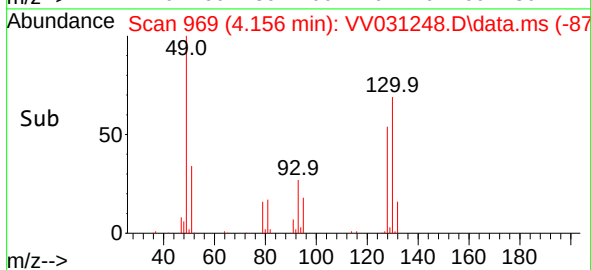
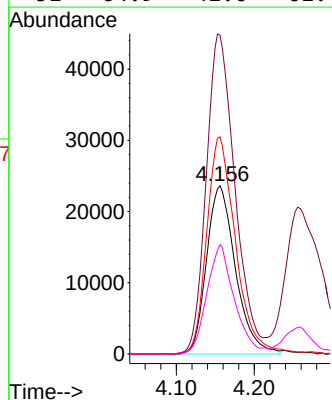
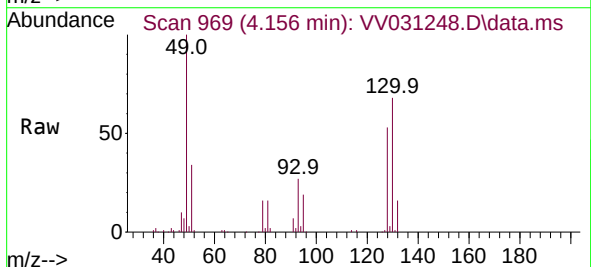
Instrument :
MSVOA_V
ClientSampleId :

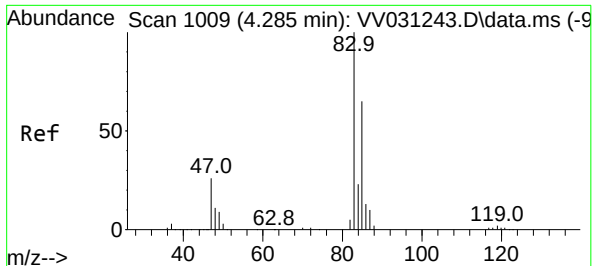
Tgt Ion: 43 Resp: 205542
Ion Ratio Lower Upper
43 100
72 21.7 11.9 35.7



#23
Bromochloromethane
Concen: 48.778 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.003 min
Lab File: VV031248.D
Acq: 26 May 2023 12:51

Tgt Ion:128 Resp: 60876
Ion Ratio Lower Upper
128 100
49 189.4 113.2 210.2
130 129.1 87.5 162.5
51 64.9 41.0 61.4#





#25

Chloroform

Concen: 53.610 ug/L

RT: 4.281 min Scan# 1009

Delta R.T. -0.003 min

Lab File: VV031248.D

Acq: 26 May 2023 12:51

Instrument :

MSVOA_V

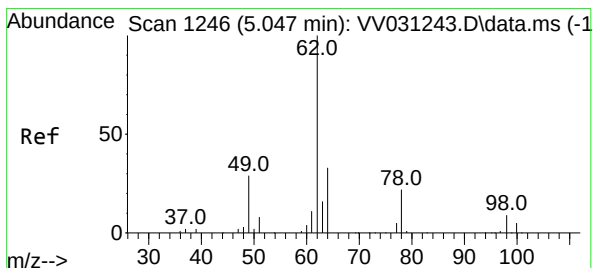
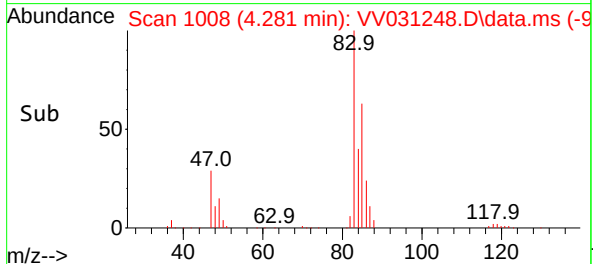
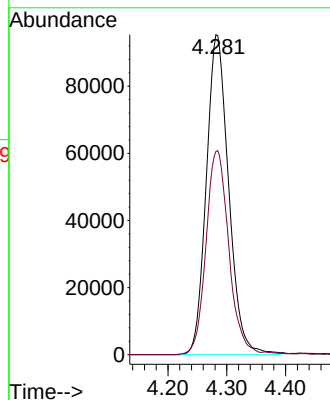
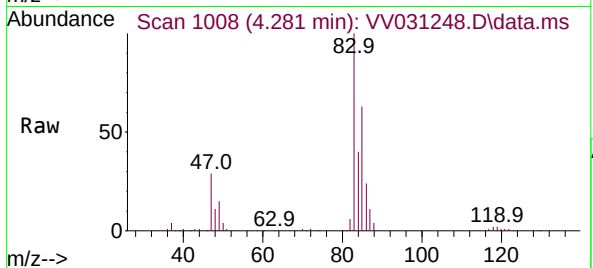
ClientSampleId :

Tgt Ion: 83 Resp: 251437

Ion Ratio Lower Upper

83 100

85 63.5 47.3 87.9



#27

1,2-Dichloroethane

Concen: 47.801 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.000 min

Lab File: VV031248.D

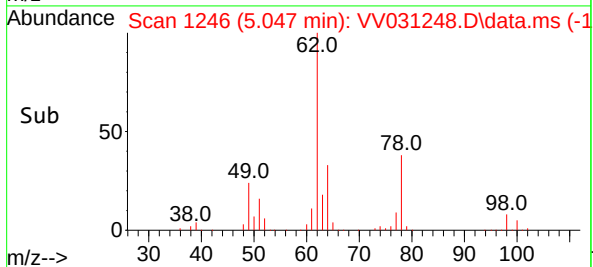
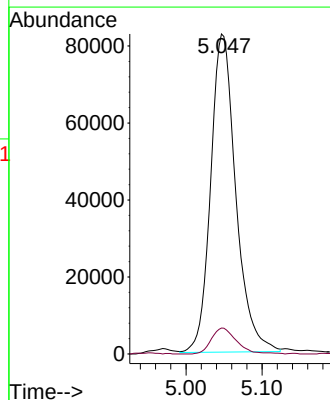
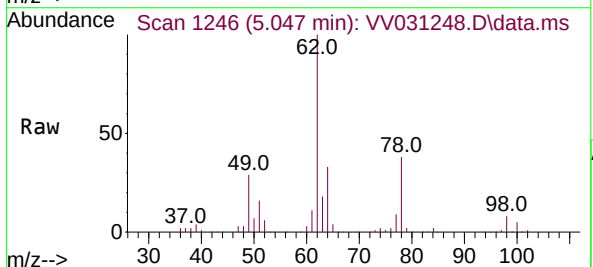
Acq: 26 May 2023 12:51

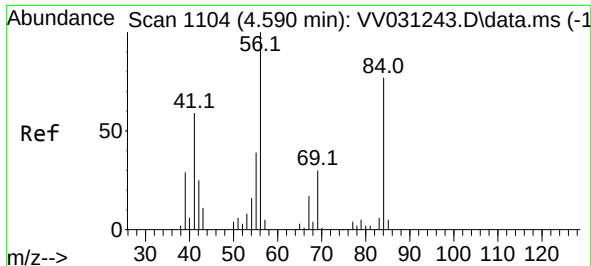
Tgt Ion: 62 Resp: 190220

Ion Ratio Lower Upper

62 100

98 8.1 6.3 9.5





#29

Cyclohexane

Concen: 51.579 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VV031248.D

Acq: 26 May 2023 12:51

Instrument :

MSVOA_V

ClientSampleId :

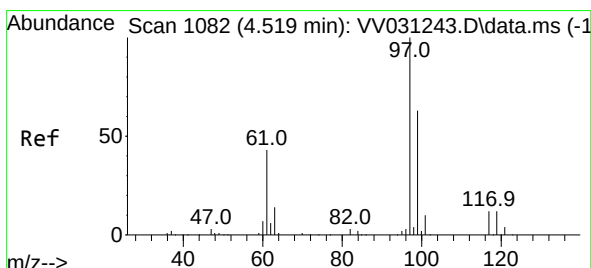
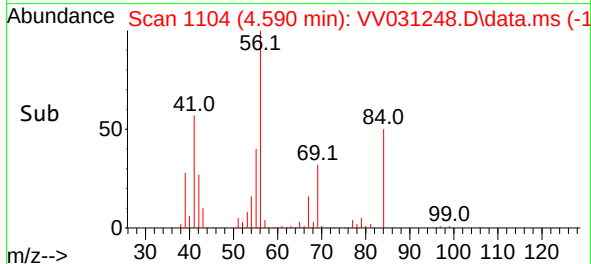
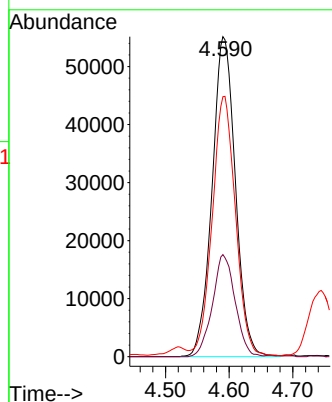
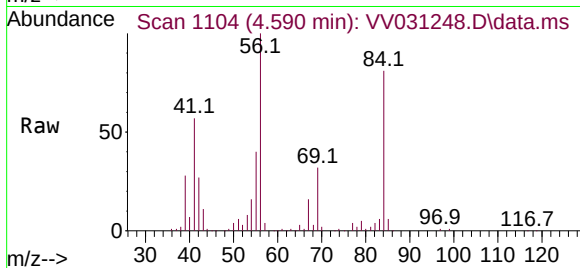
Tgt Ion: 56 Resp: 140314

Ion Ratio Lower Upper

56 100

69 30.9 25.1 37.7

84 80.3 71.5 107.3



#30

1,1,1-Trichloroethane

Concen: 50.560 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.000 min

Lab File: VV031248.D

Acq: 26 May 2023 12:51

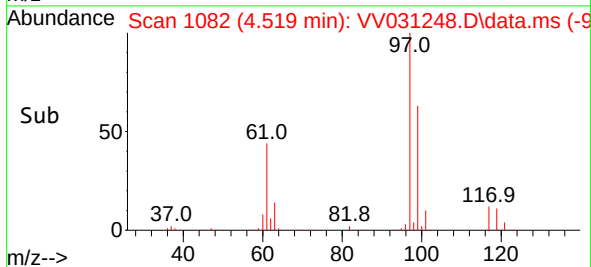
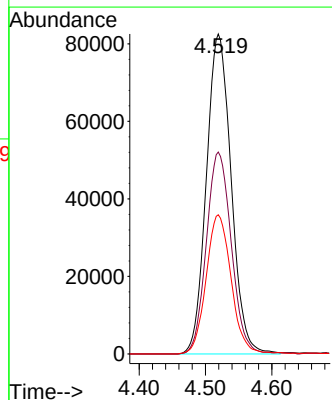
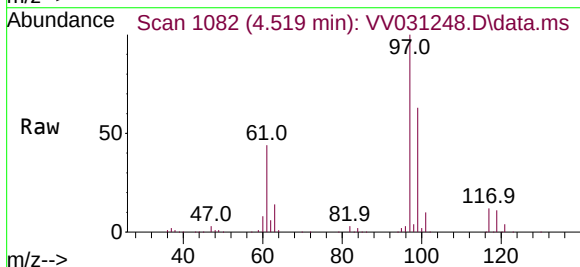
Tgt Ion: 97 Resp: 214490

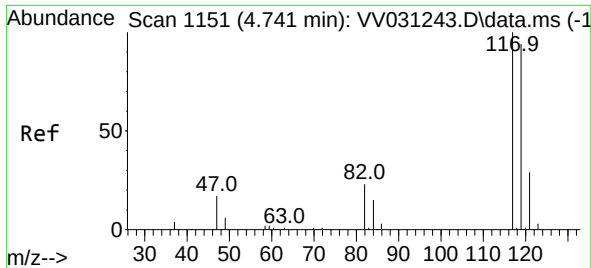
Ion Ratio Lower Upper

97 100

99 63.4 51.9 77.9

61 43.7 38.2 57.2

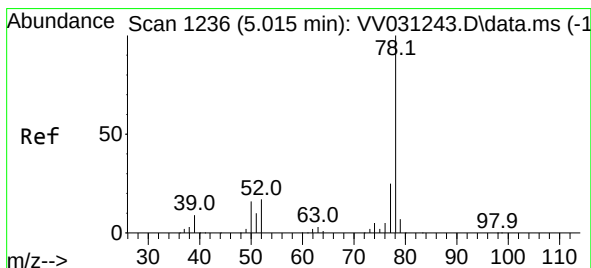
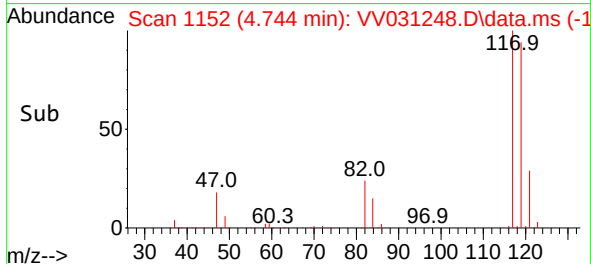
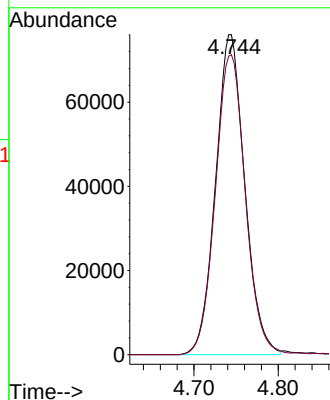
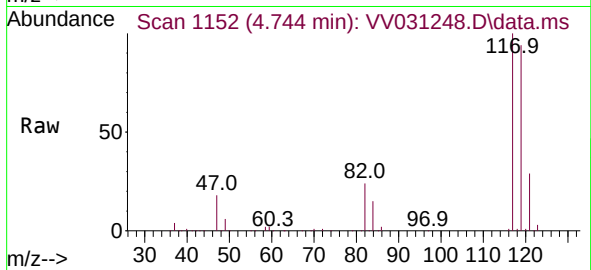




#31
Carbon tetrachloride
Concen: 49.472 ug/L
RT: 4.744 min Scan# 1151
Delta R.T. 0.003 min
Lab File: VV031248.D
Acq: 26 May 2023 12:51

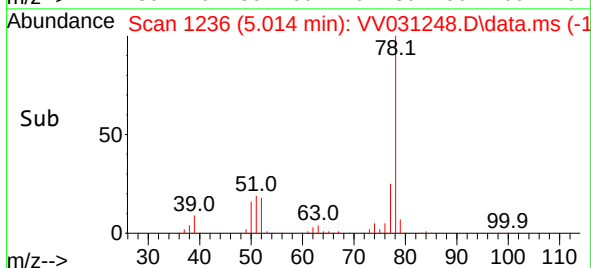
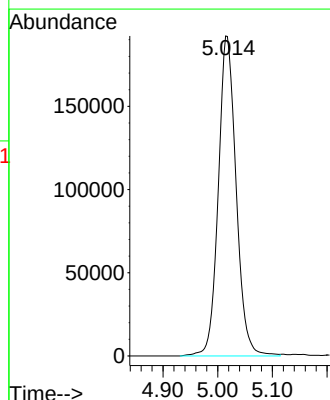
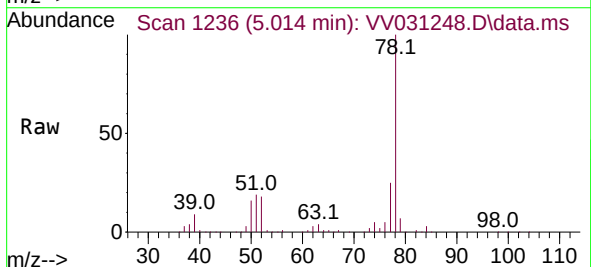
Instrument :
MSVOA_V
ClientSampleId :

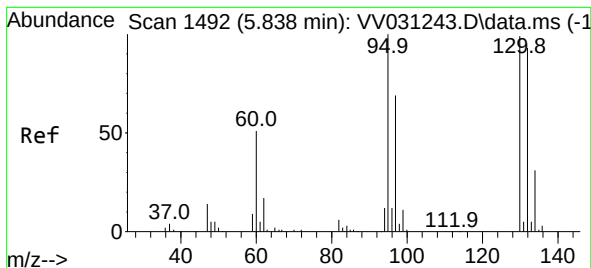
Tgt Ion:117 Resp: 182835
Ion Ratio Lower Upper
117 100
119 96.1 76.9 115.3



#33
Benzene
Concen: 52.529 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. -0.000 min
Lab File: VV031248.D
Acq: 26 May 2023 12:51

Tgt Ion: 78 Resp: 435056





#34

Trichloroethene

Concen: 47.085 ug/L

RT: 5.838 min Scan# 1492

Delta R.T. -0.000 min

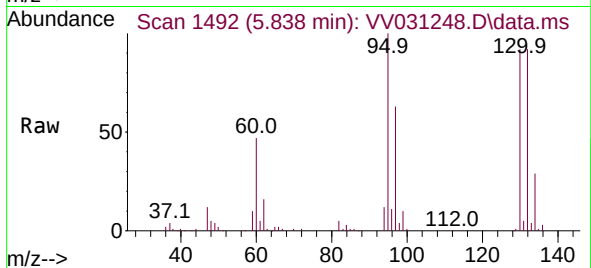
Lab File: VV031248.D

Acq: 26 May 2023 12:51

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 104490

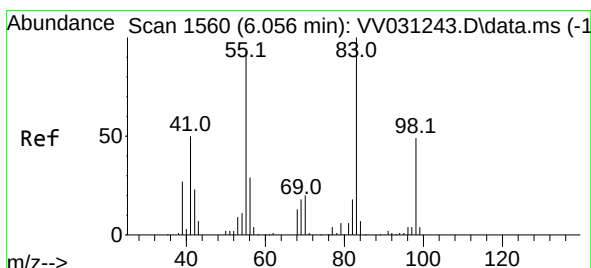
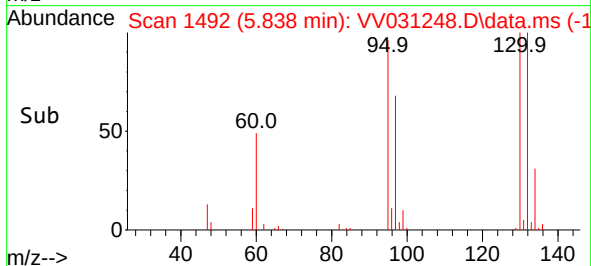
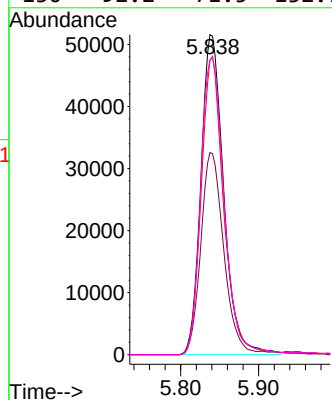
Ion Ratio Lower Upper

95 100

97 63.1 44.4 82.5

132 91.9 70.2 130.4

130 92.2 71.5 132.7



#35

Methylcyclohexane

Concen: 45.048 ug/L

RT: 6.056 min Scan# 1560

Delta R.T. -0.000 min

Lab File: VV031248.D

Acq: 26 May 2023 12:51

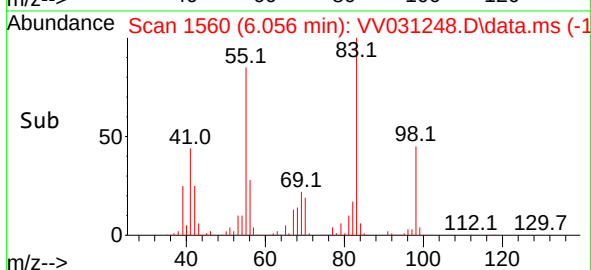
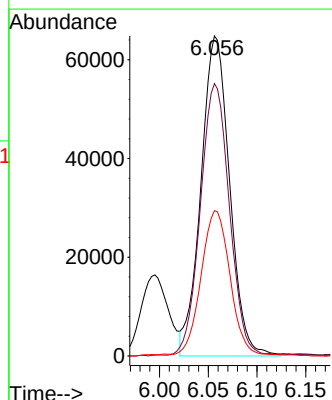
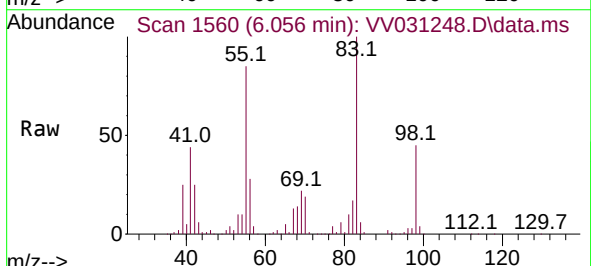
Tgt Ion: 83 Resp: 132656

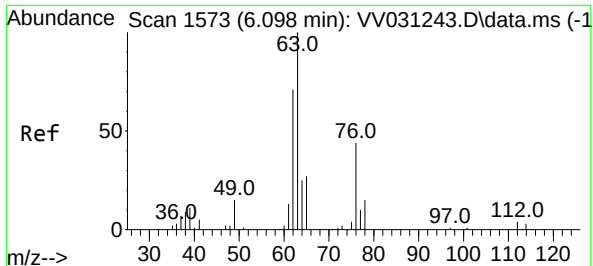
Ion Ratio Lower Upper

83 100

55 85.9 64.2 96.2

98 45.8 40.0 60.0





#37

1,2-Dichloropropane

Concen: 55.090 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV031248.D

Acq: 26 May 2023 12:51

Instrument :

MSVOA_V

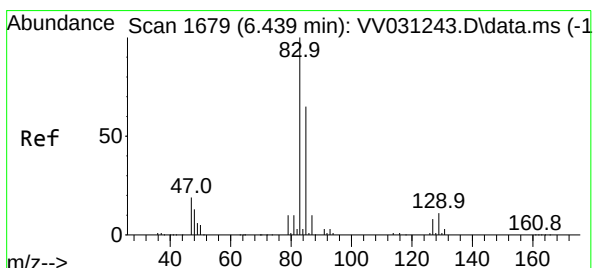
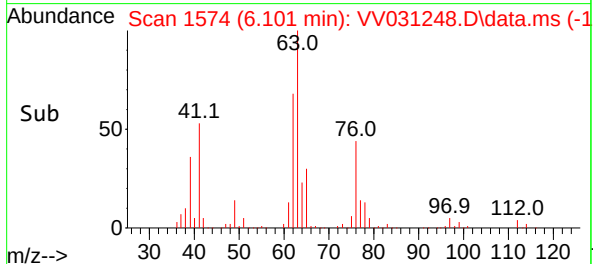
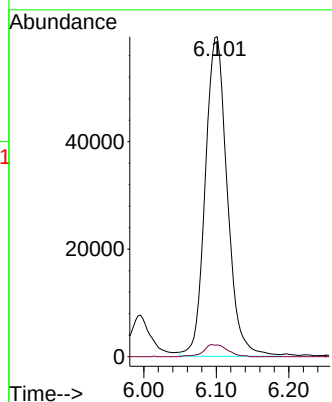
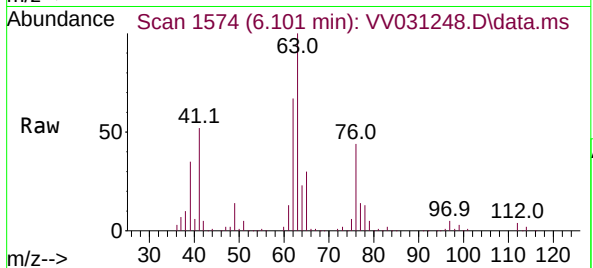
ClientSampleId :

Tgt Ion: 63 Resp: 125581

Ion Ratio Lower Upper

63 100

112 2.1 4.3 6.5#



#38

Bromodichloromethane

Concen: 51.710 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.000 min

Lab File: VV031248.D

Acq: 26 May 2023 12:51

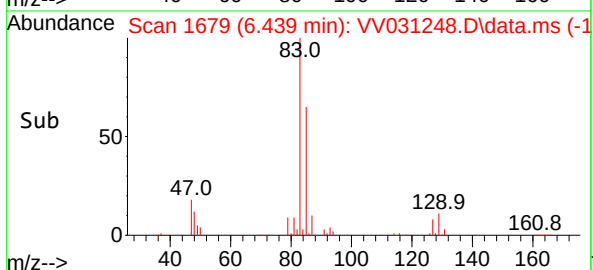
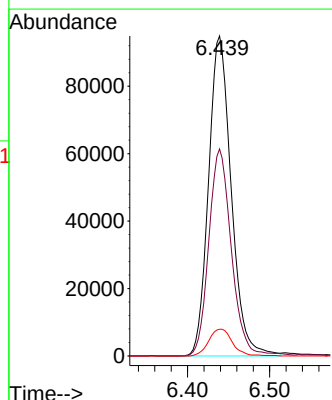
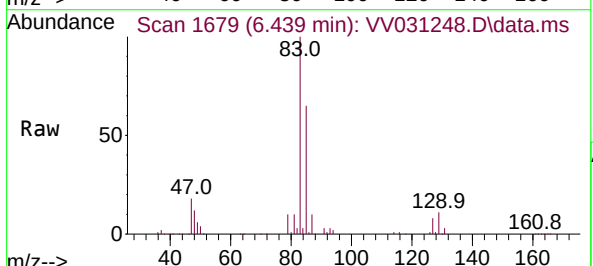
Tgt Ion: 83 Resp: 182728

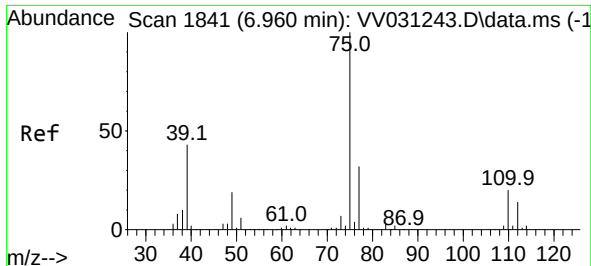
Ion Ratio Lower Upper

83 100

85 64.7 44.0 81.6

127 8.4 6.9 10.3

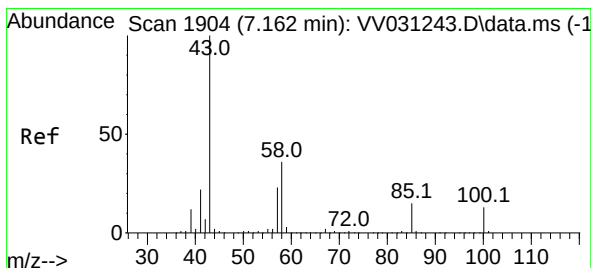
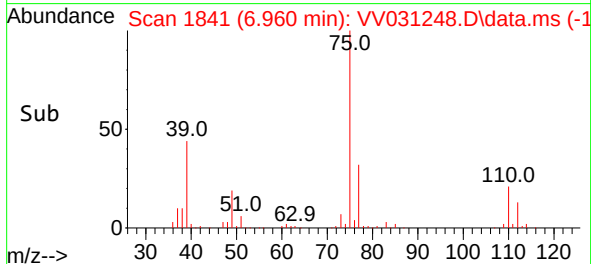
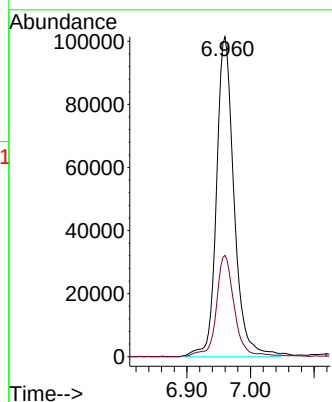
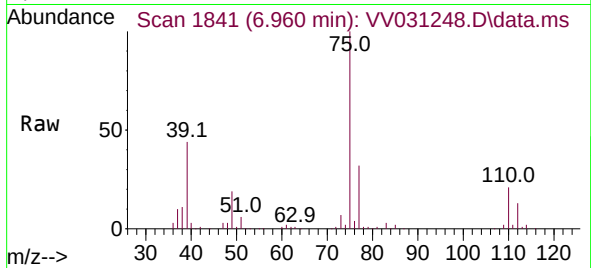




#39
 cis-1,3-Dichloropropene
 Concen: 55.433 ug/L
 RT: 6.960 min Scan# 1841
 Delta R.T. -0.000 min
 Lab File: VV031248.D
 Acq: 26 May 2023 12:51

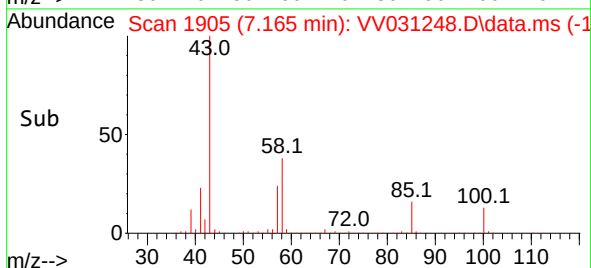
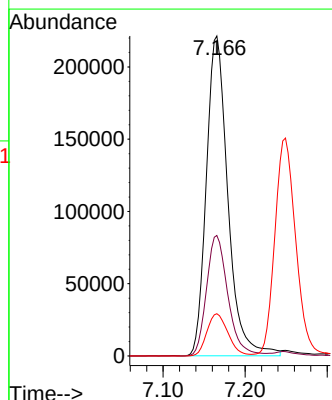
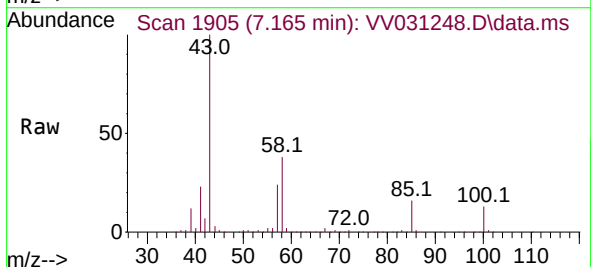
Instrument :
 MSVOA_V
 ClientSampleId :

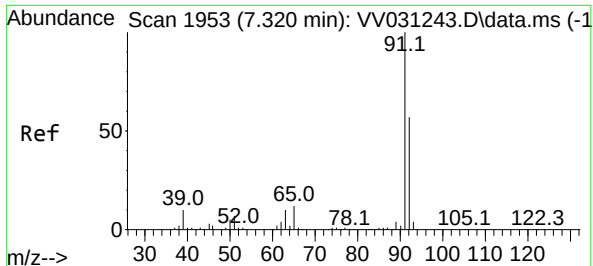
Tgt Ion: 75 Resp: 194856
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 115.401 ug/L
 RT: 7.165 min Scan# 1905
 Delta R.T. 0.003 min
 Lab File: VV031248.D
 Acq: 26 May 2023 12:51

Tgt Ion: 43 Resp: 404803
 Ion Ratio Lower Upper
 43 100
 58 37.4 29.0 43.4
 100 12.9 12.2 18.4





#42

Toluene

Concen: 51.633 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VV031248.D

Acq: 26 May 2023 12:51

Instrument :

MSVOA_V

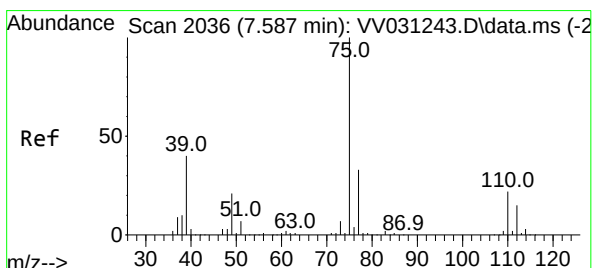
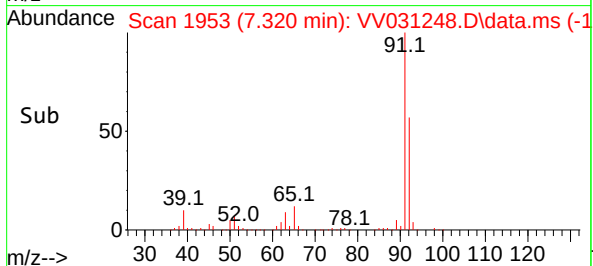
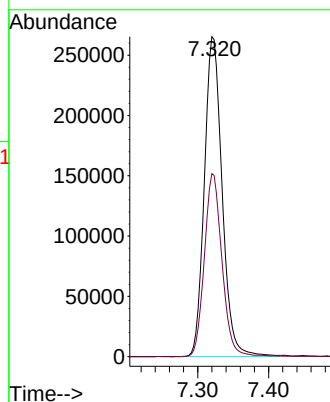
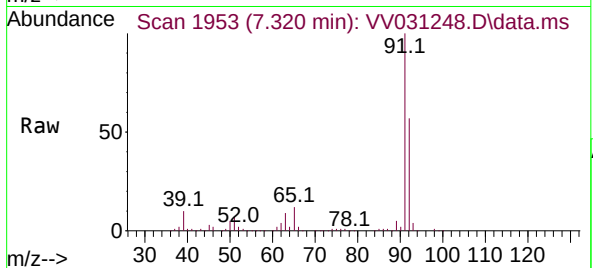
ClientSampleId :

Tgt Ion: 91 Resp: 462668

Ion Ratio Lower Upper

91 100

92 57.2 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 55.180 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.000 min

Lab File: VV031248.D

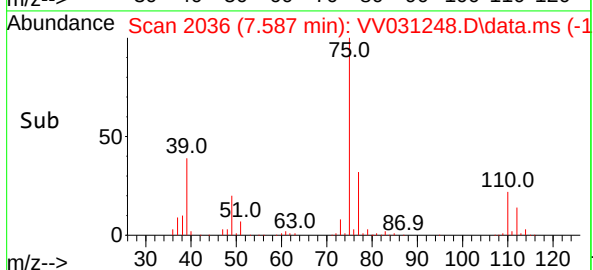
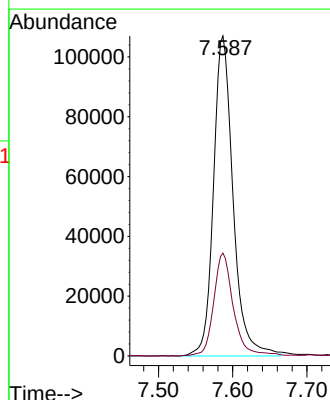
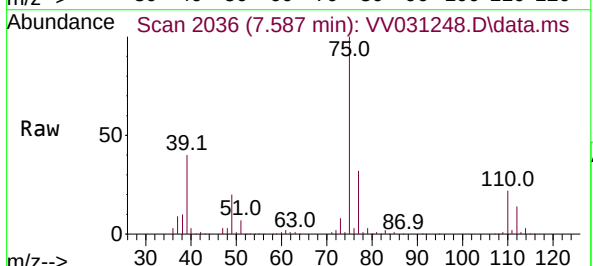
Acq: 26 May 2023 12:51

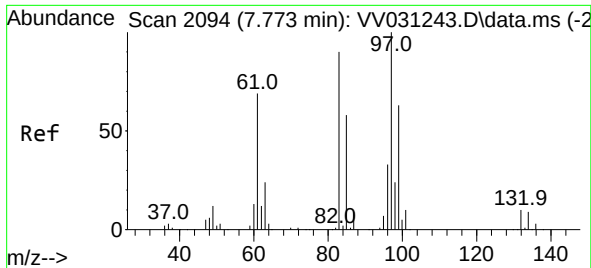
Tgt Ion: 75 Resp: 196219

Ion Ratio Lower Upper

75 100

77 32.2 22.2 41.2

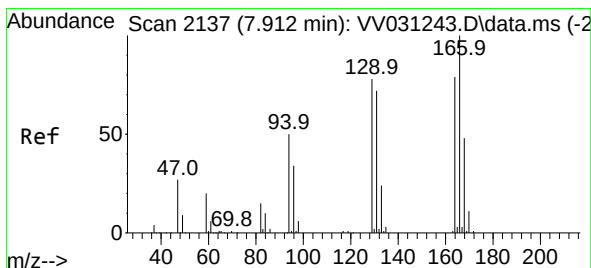
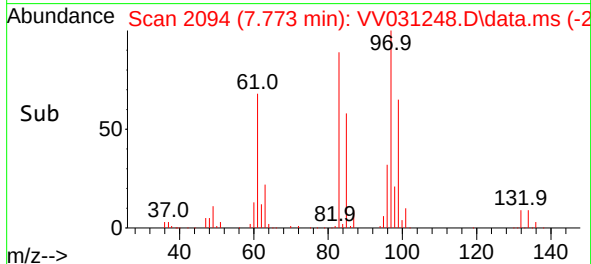
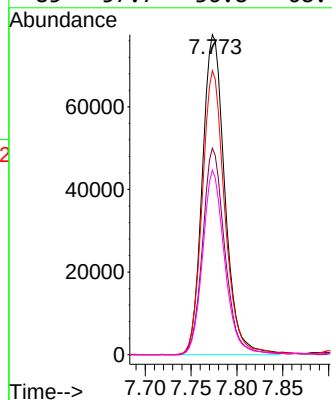
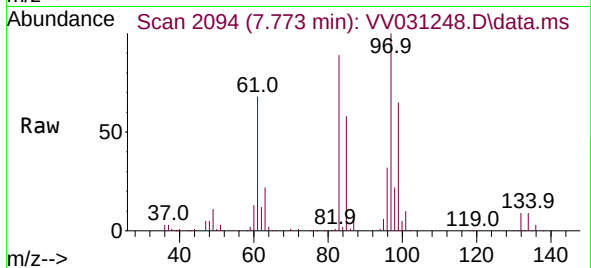




#45
1,1,2-Trichloroethane
Concen: 53.191 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. -0.000 min
Lab File: VV031248.D
Acq: 26 May 2023 12:51

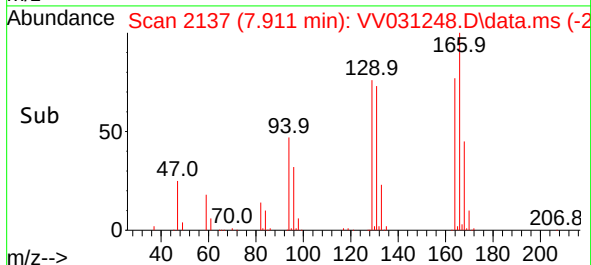
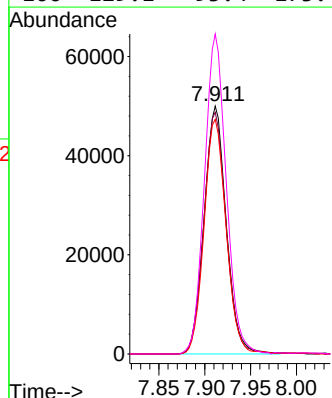
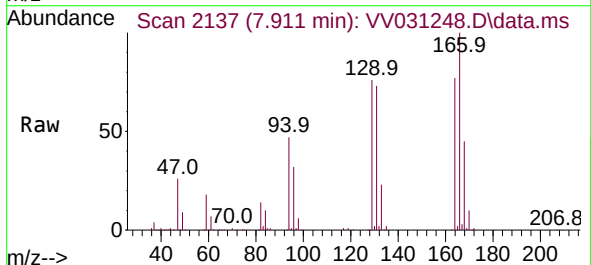
Instrument :
MSVOA_V
ClientSampleId :

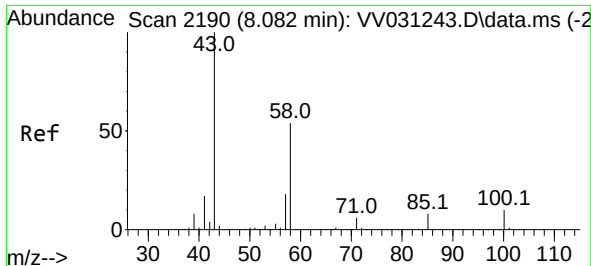
Tgt Ion: 97	Resp: 132314
Ion Ratio	Lower Upper
97 100	
99 64.5	43.2 80.2
83 88.8	60.5 112.3
85 57.7	36.8 68.4



#46
Tetrachloroethene
Concen: 44.159 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV031248.D
Acq: 26 May 2023 12:51

Tgt	Ion:164	Resp:	84149
Ion	Ratio	Lower	Upper
164	100		
129	97.5	65.5	121.7
131	94.7	62.1	115.3
166	129.1	93.4	173.4



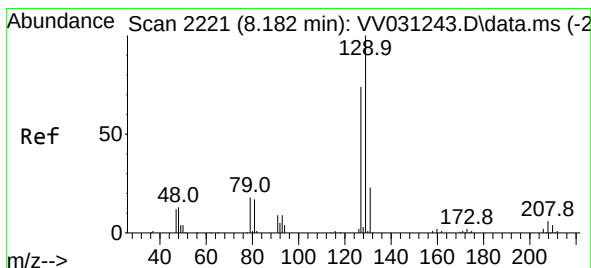
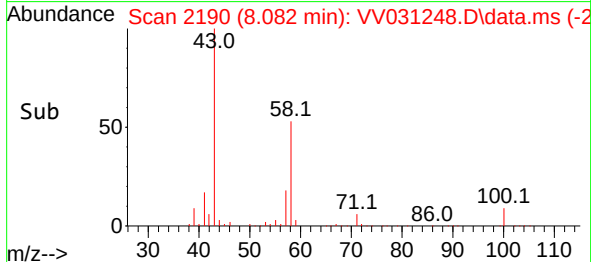
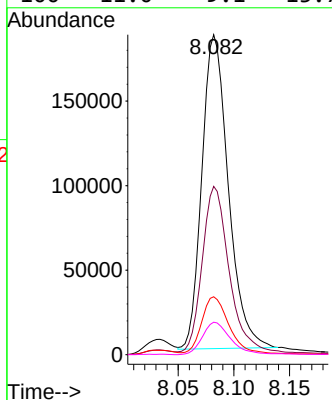
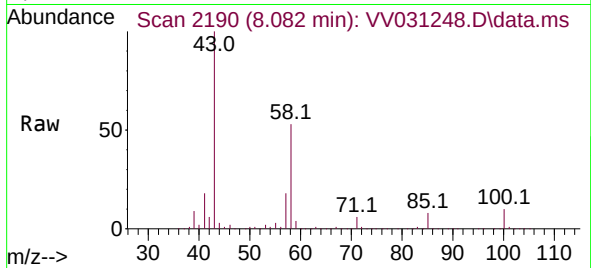


#48
2-Hexanone
Concen: 104.935 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.000 min
Lab File: VV031248.D
Acq: 26 May 2023 12:51

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 306585

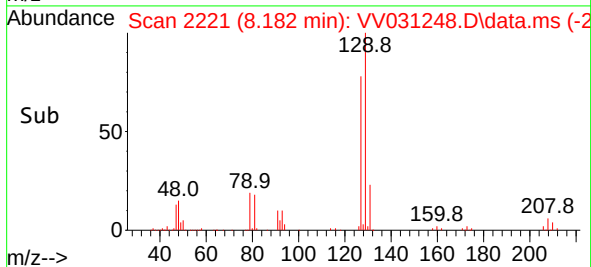
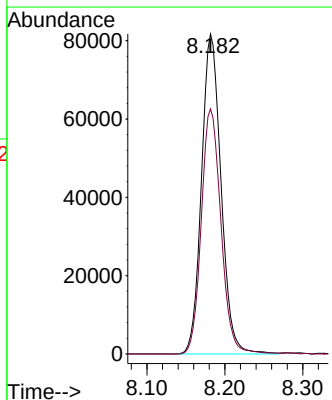
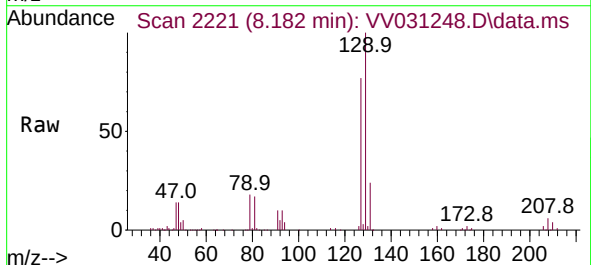
Ion	Ratio	Lower	Upper
43	100		
58	54.5	39.8	59.6
57	18.3	14.4	21.6
100	11.0	9.1	13.7

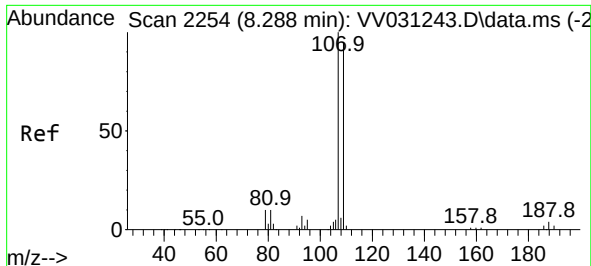


#49
Dibromochloromethane
Concen: 50.647 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. -0.000 min
Lab File: VV031248.D
Acq: 26 May 2023 12:51

Tgt Ion: 129 Resp: 142145

Ion	Ratio	Lower	Upper
129	100		
127	76.6	56.1	104.1





#50

1,2-Dibromoethane

Concen: 53.007 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.000 min

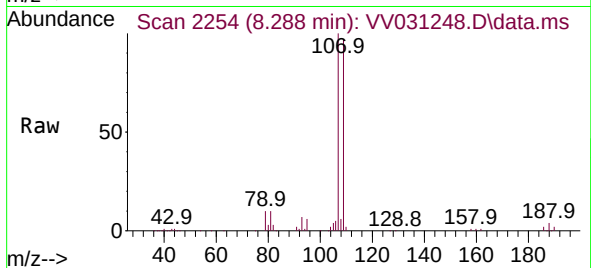
Lab File: VV031248.D

Acq: 26 May 2023 12:51

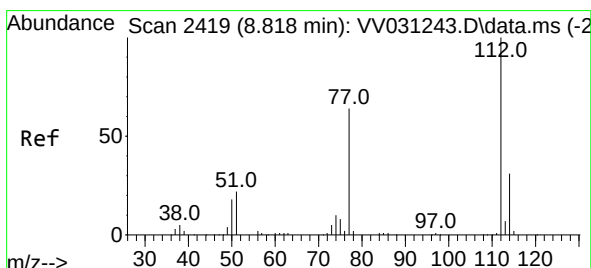
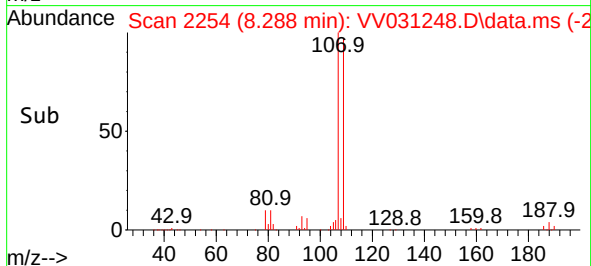
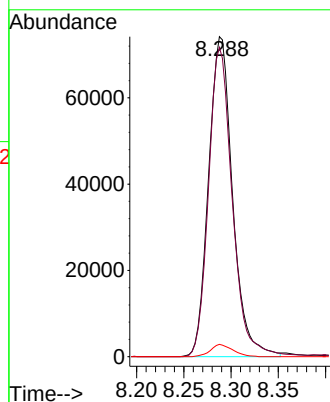
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	107	Resp:	131095
Ion	Ratio	Lower	Upper
107	100		
109	96.7	65.6	121.8
188	4.1	3.8	5.6



#51

Chlorobenzene

Concen: 47.318 ug/L

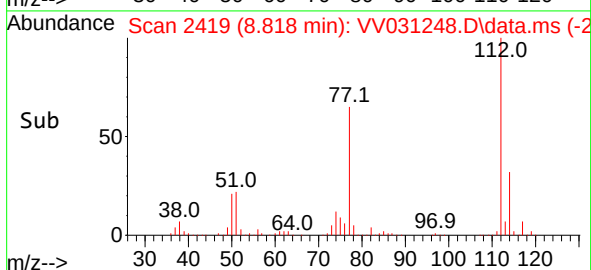
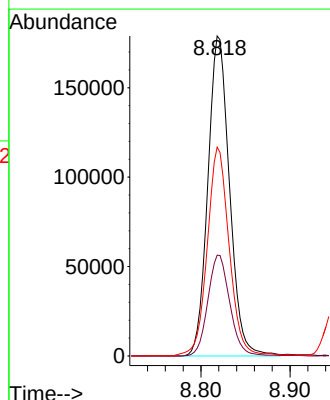
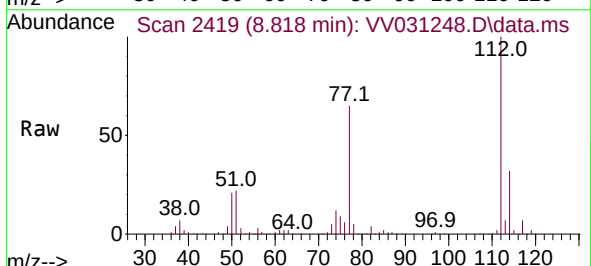
RT: 8.818 min Scan# 2419

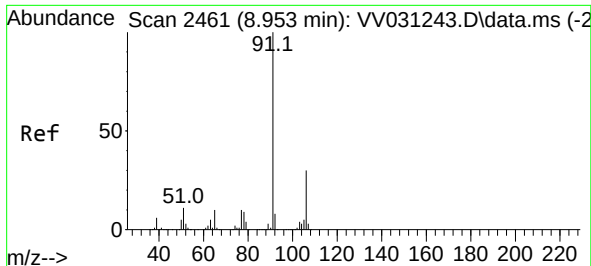
Delta R.T. -0.000 min

Lab File: VV031248.D

Acq: 26 May 2023 12:51

Tgt Ion:	112	Resp:	301788
Ion	Ratio	Lower	Upper
112	100		
114	31.5	23.0	42.8
77	65.3	46.2	69.4





#52

Ethylbenzene

Concen: 49.482 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. -0.000 min

Lab File: VV031248.D

Acq: 26 May 2023 12:51

Instrument :

MSVOA_V

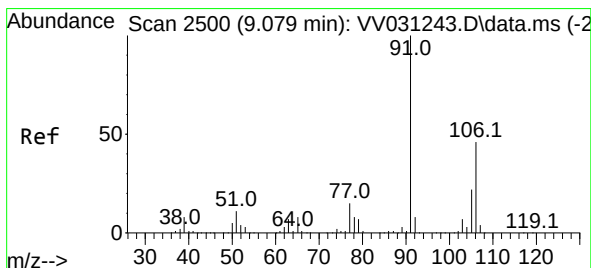
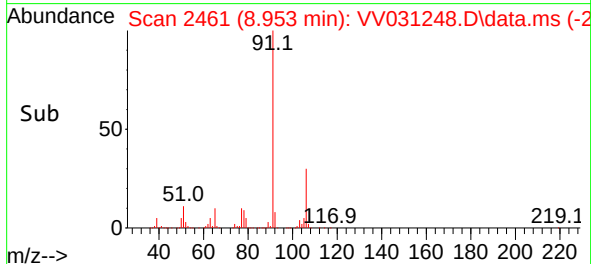
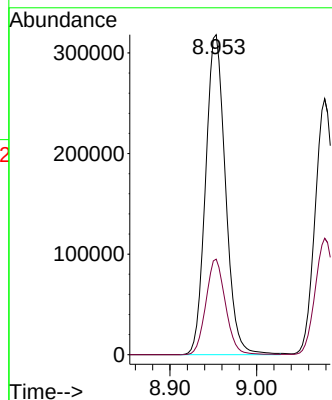
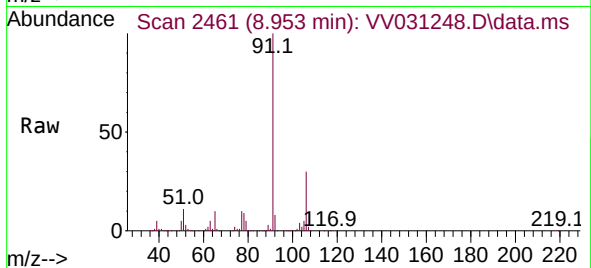
ClientSampleId :

Tgt Ion: 91 Resp: 507654

Ion Ratio Lower Upper

91 100

106 29.9 21.5 39.9



#53

m,p-Xylene

Concen: 46.892 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. -0.000 min

Lab File: VV031248.D

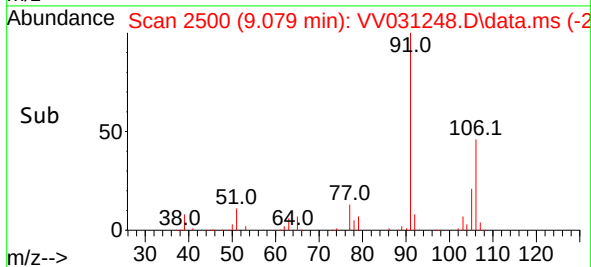
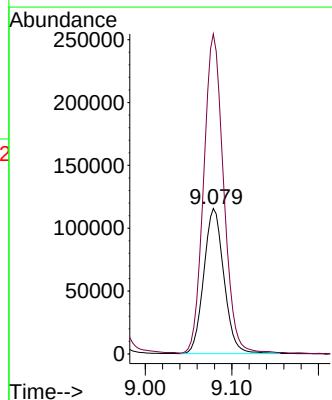
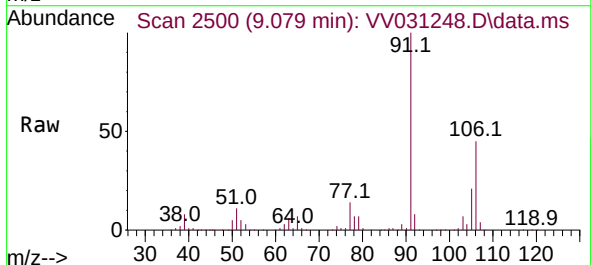
Acq: 26 May 2023 12:51

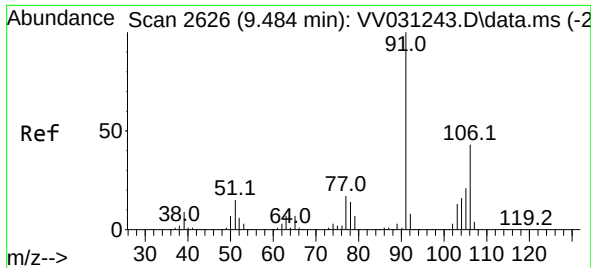
Tgt Ion: 106 Resp: 186615

Ion Ratio Lower Upper

106 100

91 219.9 145.3 269.8

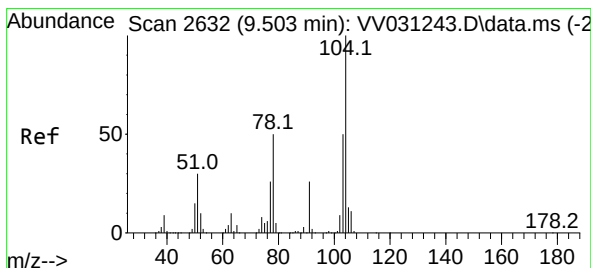
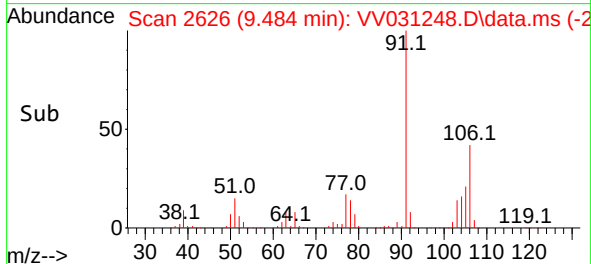
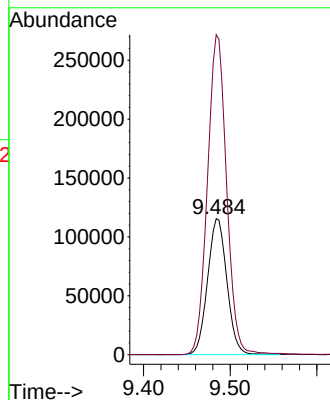
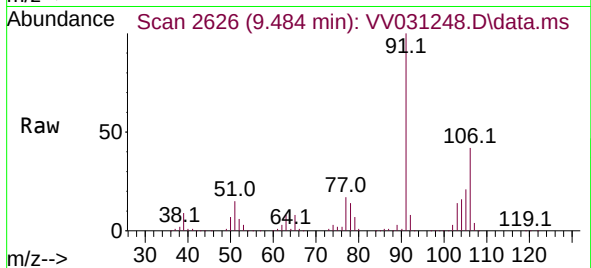




#54
o-Xylene
Concen: 45.626 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031248.D
Acq: 26 May 2023 12:51

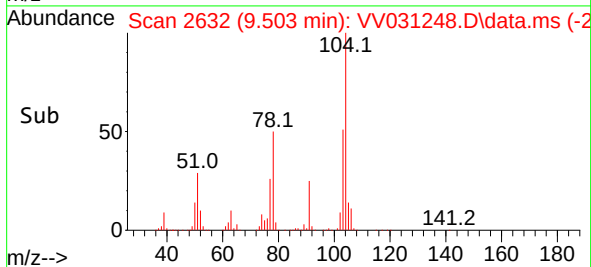
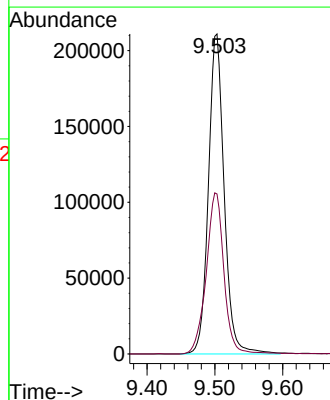
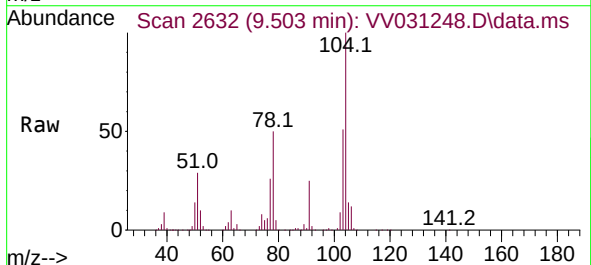
Instrument :
MSVOA_V
ClientSampleId :

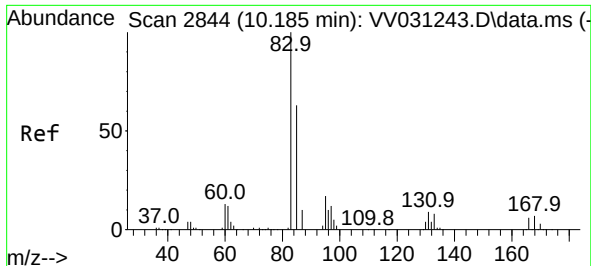
Tgt Ion:106 Resp: 179126
Ion Ratio Lower Upper
106 100
91 235.3 150.4 279.2



#55
Styrene
Concen: 49.091 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV031248.D
Acq: 26 May 2023 12:51

Tgt Ion:104 Resp: 340860
Ion Ratio Lower Upper
104 100
78 50.0 33.2 61.6

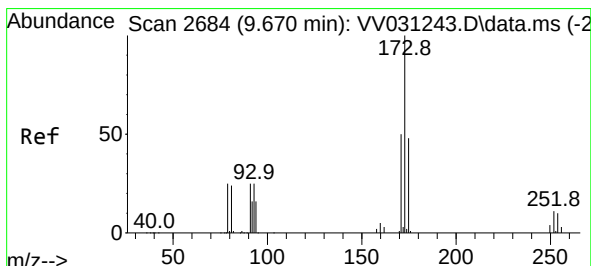
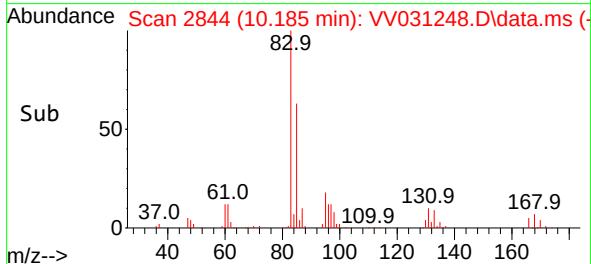
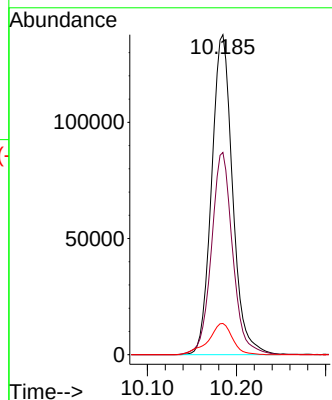
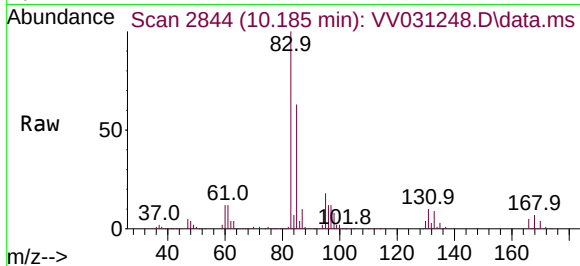




#57
1,1,2,2-Tetrachloroethane
Concen: 55.098 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VV031248.D
Acq: 26 May 2023 12:51

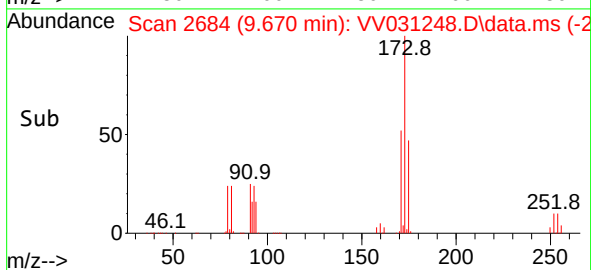
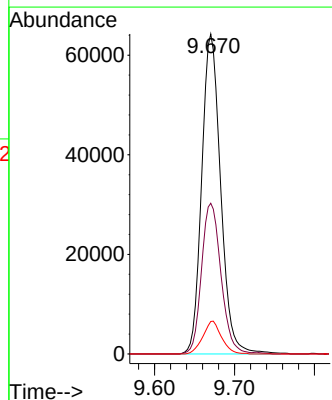
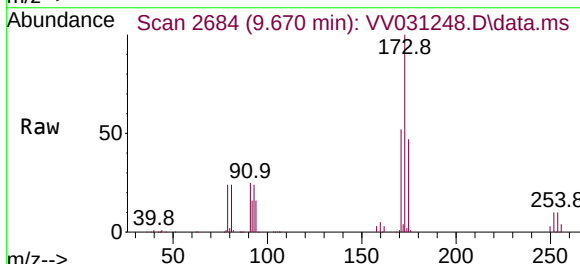
Instrument :
MSVOA_V
ClientSampleId :

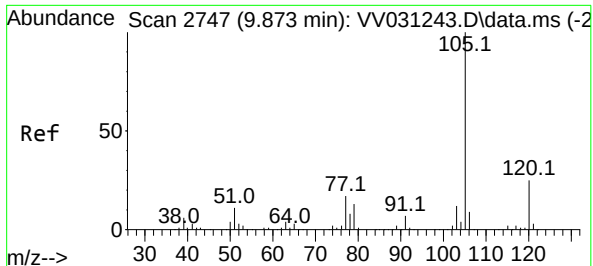
Tgt Ion: 83 Resp: 225193
Ion Ratio Lower Upper
83 100
85 63.2 45.0 83.6
131 9.8 9.2 13.8



#59
Bromoform
Concen: 45.930 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. -0.000 min
Lab File: VV031248.D
Acq: 26 May 2023 12:51

Tgt Ion: 173 Resp: 106066
Ion Ratio Lower Upper
173 100
175 48.3 38.8 58.2
254 10.1 8.8 13.2

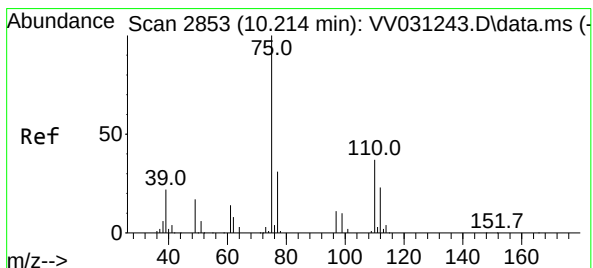
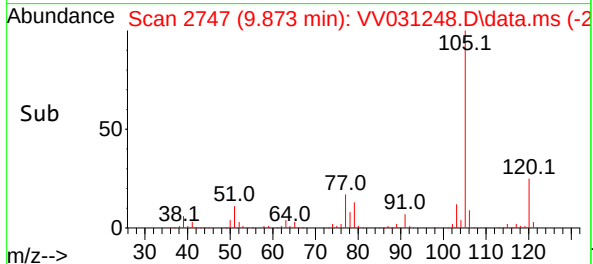
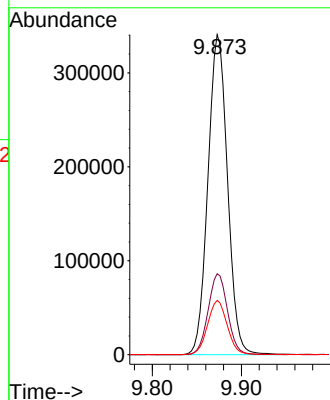
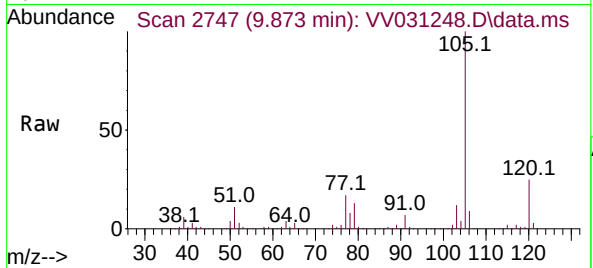




#60
Isopropylbenzene
Concen: 48.799 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031248.D
Acq: 26 May 2023 12:51

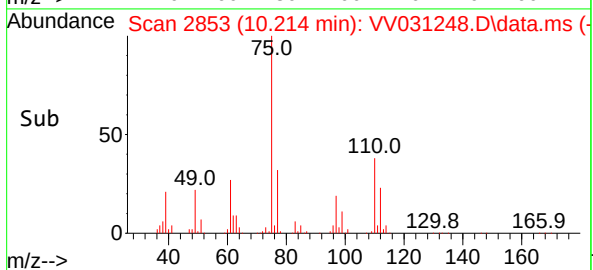
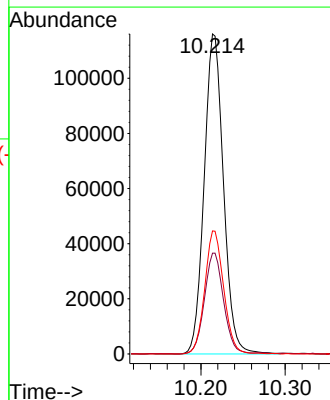
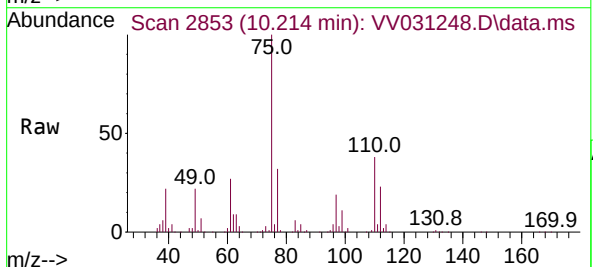
Instrument :
MSVOA_V
ClientSampleId :

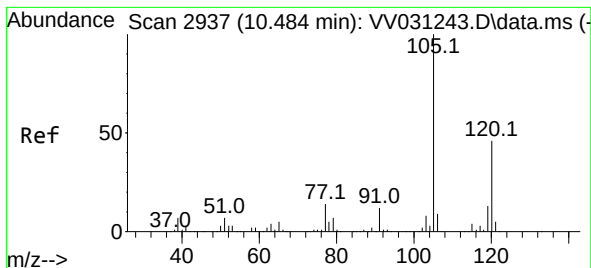
Tgt Ion:105 Resp: 519775
Ion Ratio Lower Upper
105 100
120 25.0 21.4 32.0
77 16.9 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 60.452 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV031248.D
Acq: 26 May 2023 12:51

Tgt Ion: 75 Resp: 185217
Ion Ratio Lower Upper
75 100
77 31.3 25.5 38.3
110 37.6 32.5 48.7





#62

1,3,5-Trimethylbenzene

Concen: 47.945 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VV031248.D

Acq: 26 May 2023 12:51

Instrument :

MSVOA_V

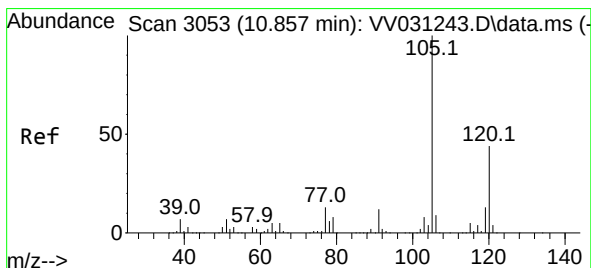
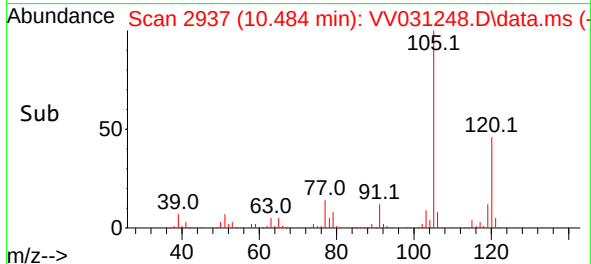
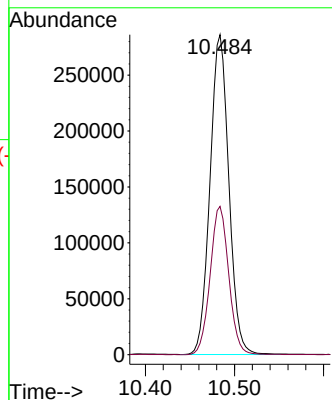
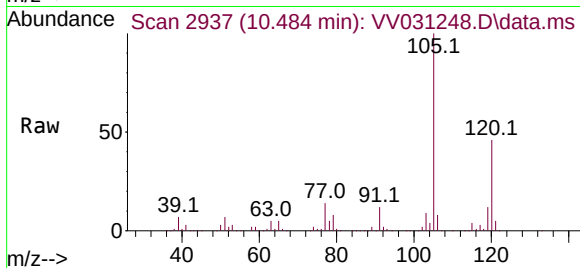
ClientSampleId :

Tgt Ion:105 Resp: 419774

Ion Ratio Lower Upper

105 100

120 45.8 40.5 60.7



#63

1,2,4-Trimethylbenzene

Concen: 50.736 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. -0.000 min

Lab File: VV031248.D

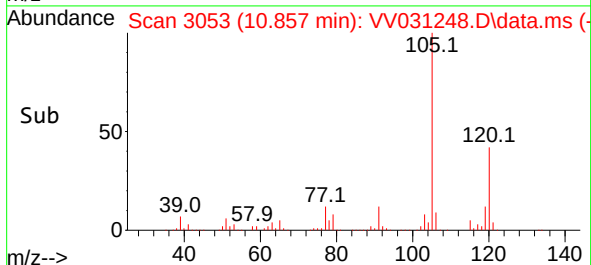
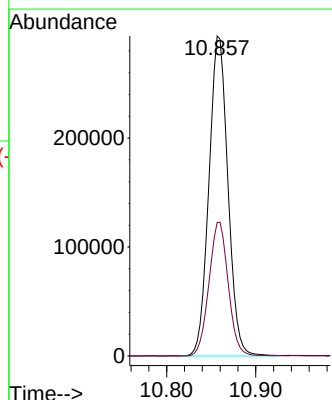
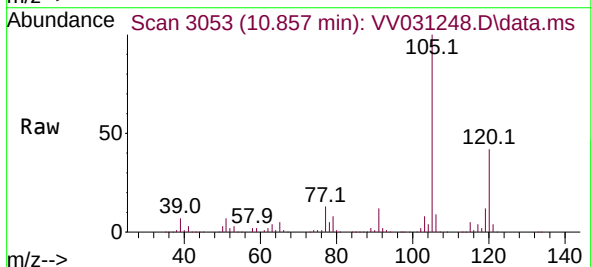
Acq: 26 May 2023 12:51

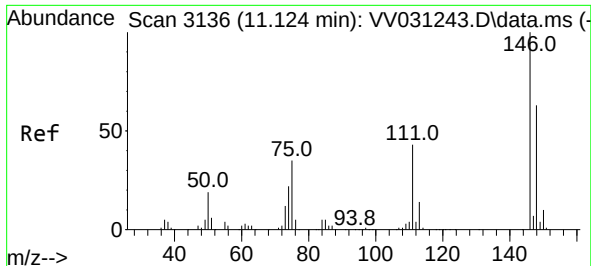
Tgt Ion:105 Resp: 434336

Ion Ratio Lower Upper

105 100

120 42.3 37.5 56.3

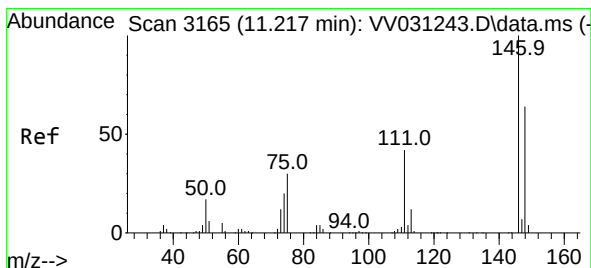
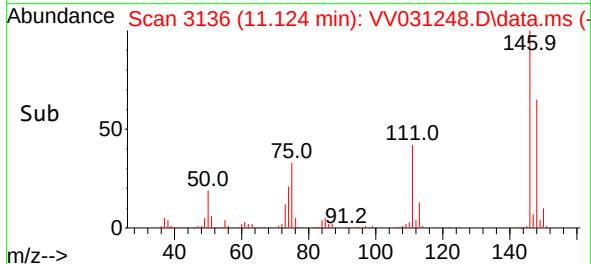
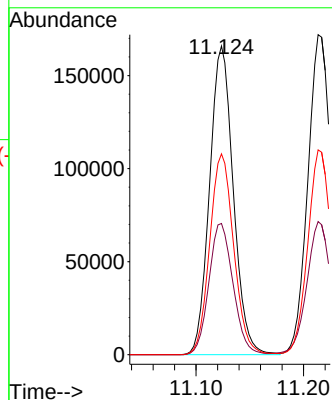
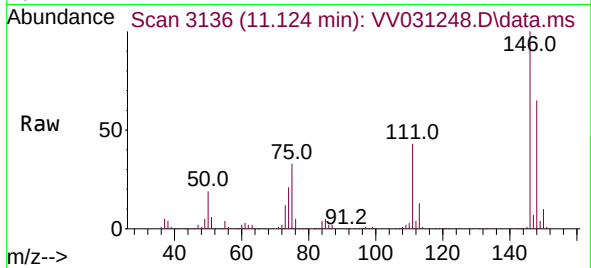




#64
1,3-Dichlorobenzene
Concen: 46.578 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. -0.000 min
Lab File: VV031248.D
Acq: 26 May 2023 12:51

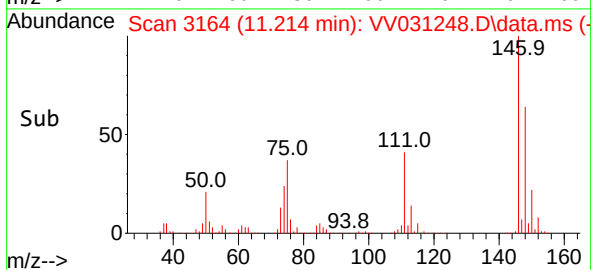
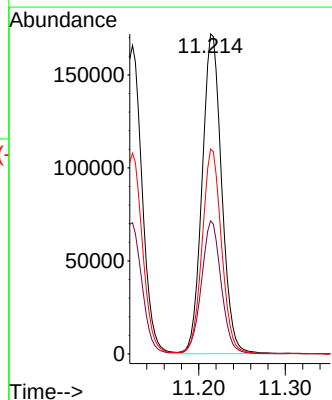
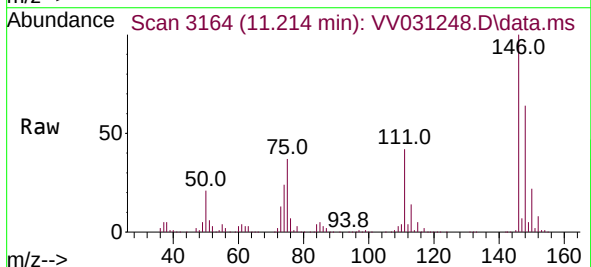
Instrument :
MSVOA_V
ClientSampleId :

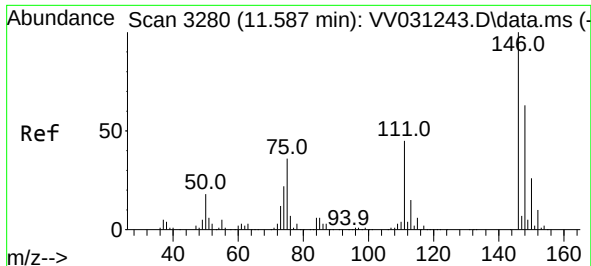
Tgt Ion:146 Resp: 254206
Ion Ratio Lower Upper
146 100
111 42.5 27.2 50.4
148 65.1 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 47.293 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. -0.003 min
Lab File: VV031248.D
Acq: 26 May 2023 12:51

Tgt Ion:146 Resp: 268521
Ion Ratio Lower Upper
146 100
111 41.6 25.5 47.3
148 64.0 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 48.199 ug/L

RT: 11.587 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031248.D

Acq: 26 May 2023 12:51

Instrument :

MSVOA_V

ClientSampleId :

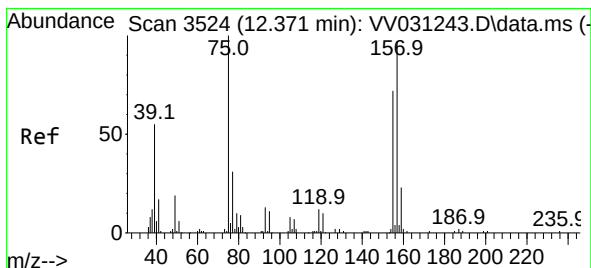
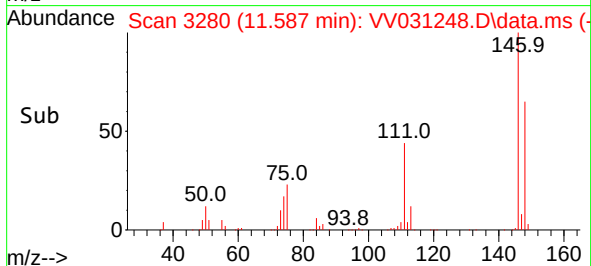
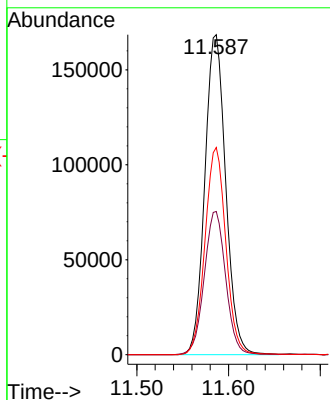
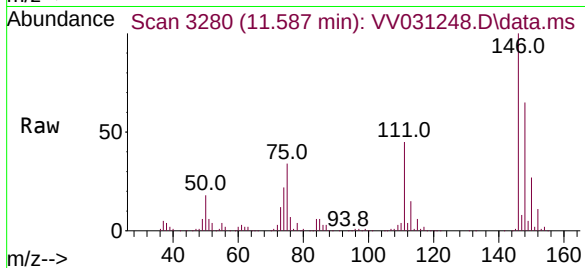
Tgt Ion:146 Resp: 266914

Ion Ratio Lower Upper

146 100

111 44.7 31.4 47.2

148 64.8 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 48.889 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. -0.000 min

Lab File: VV031248.D

Acq: 26 May 2023 12:51

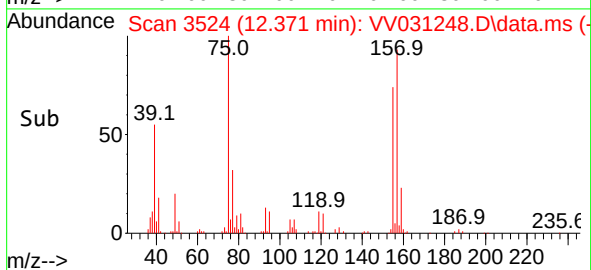
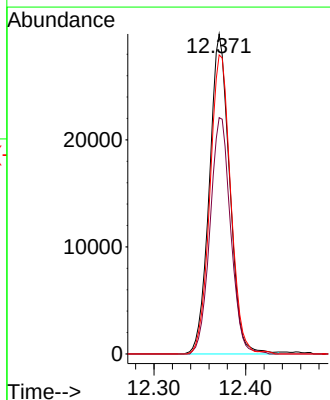
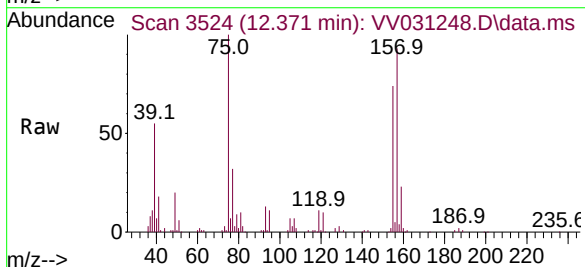
Tgt Ion: 75 Resp: 45981

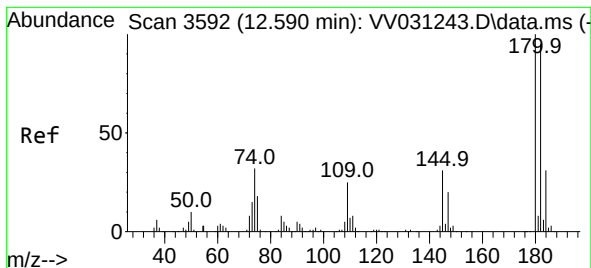
Ion Ratio Lower Upper

75 100

155 73.8 70.9 106.3

157 93.4 88.1 132.1





#69

1,3,5-Trichlorobenzene

Concen: 39.315 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. -0.000 min

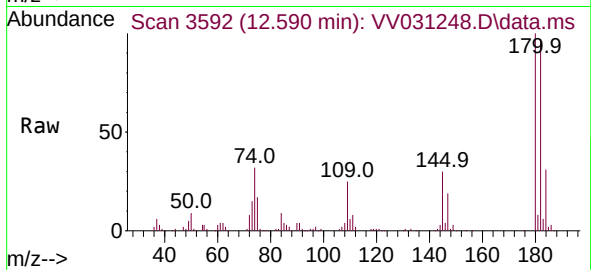
Lab File: VV031248.D

Acq: 26 May 2023 12:51

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 165871

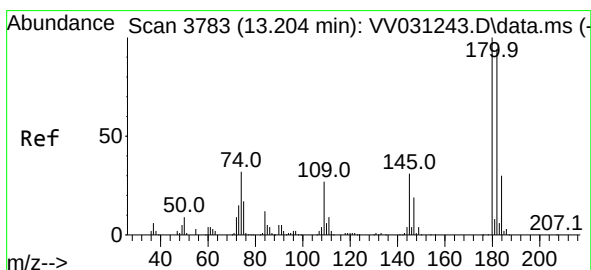
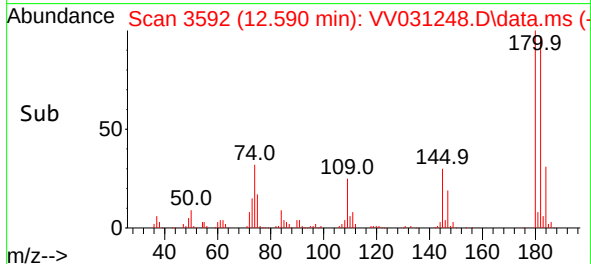
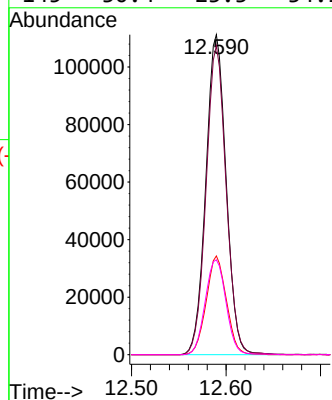
Ion Ratio Lower Upper

180 100

182 95.3 76.6 115.0

184 30.7 24.6 37.0

145 30.4 23.3 34.9



#70

1,2,4-trichlorobenzene

Concen: 36.327 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. -0.000 min

Lab File: VV031248.D

Acq: 26 May 2023 12:51

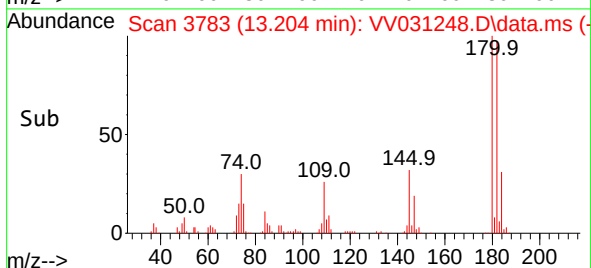
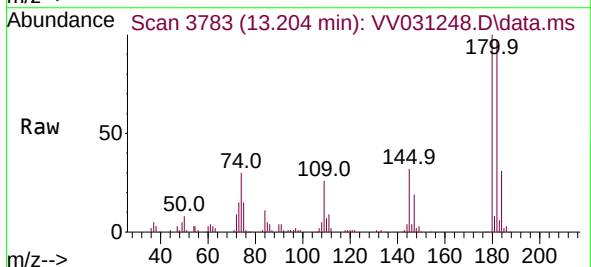
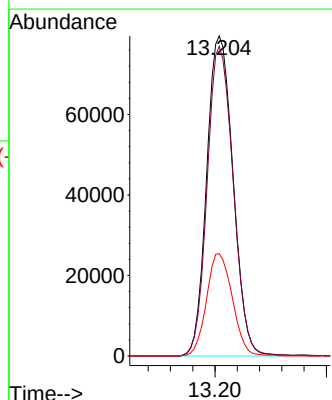
Tgt Ion:180 Resp: 130431

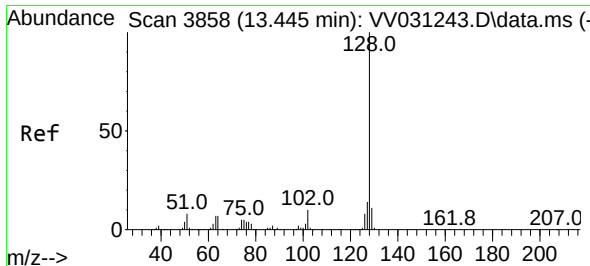
Ion Ratio Lower Upper

180 100

182 95.6 75.4 113.2

145 31.3 23.1 34.7

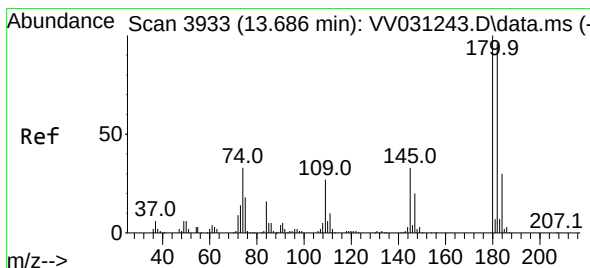
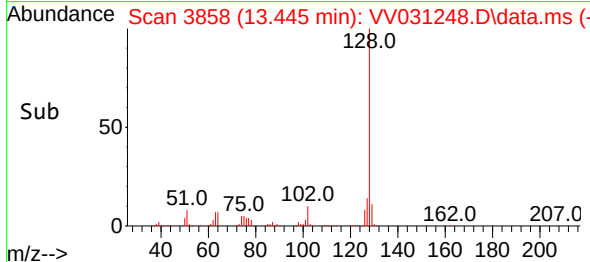
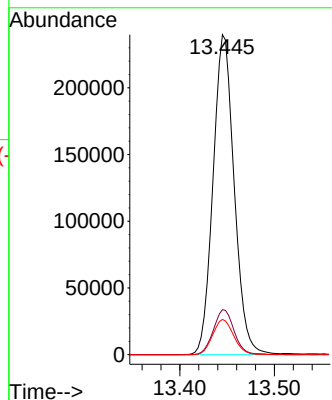
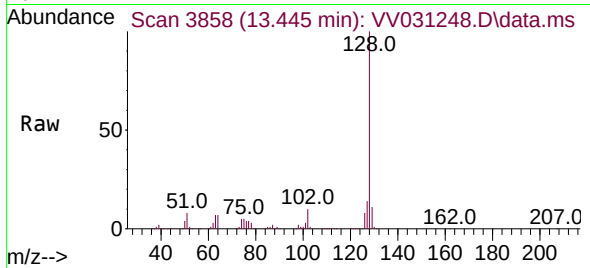




#71
Naphthalene
Concen: 39.952 ug/L
RT: 13.445 min Scan# 3858
Delta R.T. -0.000 min
Lab File: VV031248.D
Acq: 26 May 2023 12:51

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 372605
Ion Ratio Lower Upper
128 100
127 13.8 10.6 16.0
129 10.9 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 41.931 ug/L
RT: 13.686 min Scan# 3933
Delta R.T. -0.000 min
Lab File: VV031248.D
Acq: 26 May 2023 12:51

Tgt Ion:180 Resp: 150445
Ion Ratio Lower Upper
180 100
182 96.9 75.4 113.0
145 33.1 24.2 36.4

