

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW053123\
 Data File : VW031287.D
 Acq On : 31 May 2023 10:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 01 01:53:44 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	5.539	114	295623	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	291133	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	163524	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	99470	39.371	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.740%
7) Chloroethane-d5	1.532	69	90702	46.602	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.060	65	47322	39.943	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.880%
21) 2-Butanone-d5	3.796	46	161516	119.978	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.980%
24) Chloroform-d	4.256	84	200787	44.924	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.840%
26) 1,2-Dichloroethane-d4	4.947	65	132733	43.948	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.900%
32) Benzene-d6	4.966	84	357304	45.272	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.540%
36) 1,2-Dichloropropane-d6	5.995	67	127544	54.010	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.020%
41) Toluene-d8	7.249	98	335879	45.598	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.200%
43) trans-1,3-Dichloroprop...	7.558	79	59331	50.078	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.160%
47) 2-Hexanone-d5	8.034	63	106595	115.772	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.770%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	187000	52.797	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.600%
66) 1,2-Dichlorobenzene-d4	11.567	152	126509	43.052	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	80334	42.093	ug/L	99
3) Chloromethane	1.217	50	86542	41.419	ug/L	100
5) Vinyl chloride	1.285	62	91136	48.834	ug/L	97
6) Bromomethane	1.487	94	57273	54.760	ug/L	97
8) Chloroethane	1.548	64	65854	54.761	ug/L	98
9) Trichlorofluoromethane	1.716	101	159540	43.463	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	97050	50.136	ug/L	93
12) 1,1-Dichloroethene	2.073	96	72673	44.255	ug/L	99
13) Acetone	2.121	43	161726	92.407	ug/L	94
14) Carbon disulfide	2.243	76	146346	48.904	ug/L	98
15) Methyl Acetate	2.378	43	127275	63.986	ug/L	94
16) Methylene chloride	2.449	84	94108	51.477	ug/L	94
17) trans-1,2-Dichloroethene	2.700	96	68852	45.349	ug/L	92
18) Methyl tert-butyl Ether	2.709	73	293126	49.978	ug/L	93
19) 1,1-Dichloroethane	3.117	63	188595	54.506	ug/L	97
20) cis-1,2-Dichloroethene	3.822	96	87179	46.579	ug/L	88
22) 2-Butanone	3.876	43	187340	111.623	ug/L	96
23) Bromochloromethane	4.153	128	48049	46.717	ug/L	# 77
25) Chloroform	4.281	83	196568	50.855	ug/L	97

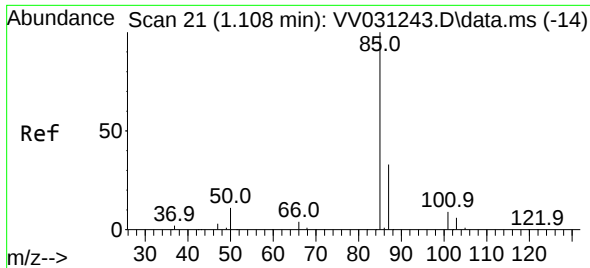
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW053123\
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 Quant Title : VOC Analysis
 QLast Update : Sat May 27 00:51:17 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	150121	45.775	ug/L	99
29) Cyclohexane	4.590	56	118240	51.612	ug/L	87
30) 1,1,1-Trichloroethane	4.519	97	163254	45.697	ug/L	98
31) Carbon tetrachloride	4.741	117	138966	44.651	ug/L	96
33) Benzene	5.015	78	352614	50.556	ug/L	100
34) Trichloroethene	5.838	95	96847	51.822	ug/L	94
35) Methylcyclohexane	6.056	83	124112	50.047	ug/L	91
37) 1,2-Dichloropropane	6.098	63	111350	58.004	ug/L #	96
38) Bromodichloromethane	6.439	83	153801	51.683	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	151892	51.311	ug/L	98
40) 4-Methyl-2-pentanone	7.166	43	346674	117.356	ug/L	96
42) Toluene	7.320	91	386774	51.255	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	162882	54.391	ug/L	100
45) 1,1,2-Trichloroethane	7.776	97	109829	52.429	ug/L	94
46) Tetrachloroethene	7.912	164	66999	41.750	ug/L	93
48) 2-Hexanone	8.082	43	291595	118.514	ug/L	97
49) Dibromochloromethane	8.182	129	113233	47.909	ug/L	99
50) 1,2-Dibromoethane	8.288	107	108738	52.210	ug/L #	98
51) Chlorobenzene	8.821	112	245406	45.691	ug/L	92
52) Ethylbenzene	8.953	91	425917	49.297	ug/L	97
53) m,p-Xylene	9.079	106	152459	45.491	ug/L	91
54) o-Xylene	9.487	106	147832	44.714	ug/L	89
55) Styrene	9.503	104	282032	48.233	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.185	83	187314	54.421	ug/L	98
59) Bromoform	9.670	173	83073	43.812	ug/L	99
60) Isopropylbenzene	9.873	105	424126	48.496	ug/L	97
61) 1,2,3-Trichloropropane	10.217	75	153050	60.839	ug/L	96
62) 1,3,5-Trimethylbenzene	10.484	105	345523	48.065	ug/L	92
63) 1,2,4-Trimethylbenzene	10.860	105	349901	49.781	ug/L	93
64) 1,3-Dichlorobenzene	11.124	146	206493	46.081	ug/L	97
65) 1,4-Dichlorobenzene	11.217	146	217067	46.562	ug/L	96
67) 1,2-Dichlorobenzene	11.587	146	211893	46.602	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.371	75	41686	53.982	ug/L #	79
69) 1,3,5-Trichlorobenzene	12.590	180	148452	42.855	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	125606	42.607	ug/L	95
71) Naphthalene	13.448	128	374478	48.903	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	139511	47.357	ug/L	97

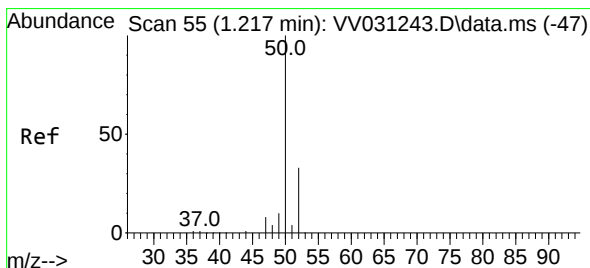
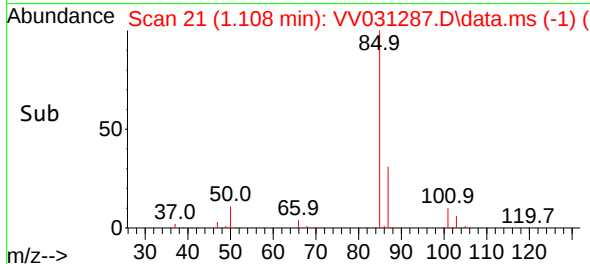
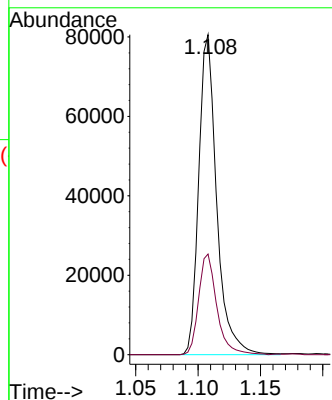
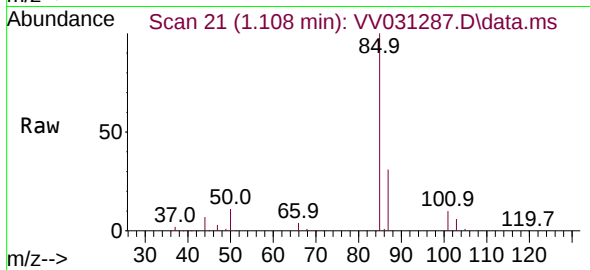
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 42.093 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV031287.D
 Acq: 31 May 2023 10:28

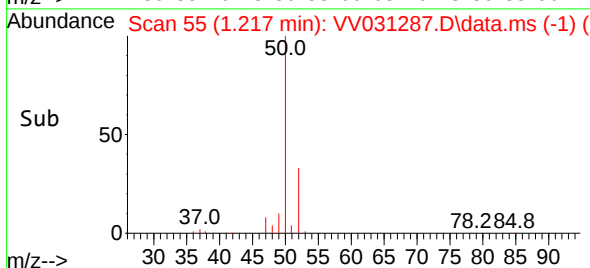
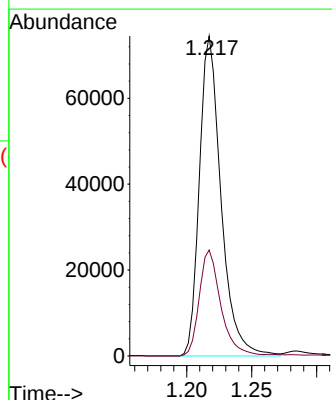
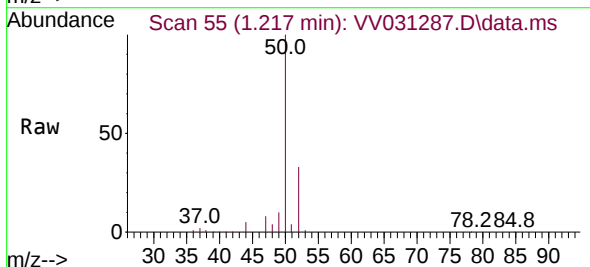
Instrument :
 MSVOA_V
 ClientSampleId :

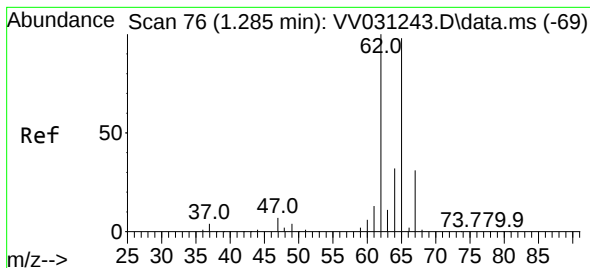
Tgt Ion: 85 Resp: 80334
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.2 37.8



#3
 Chloromethane
 Concen: 41.419 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031287.D
 Acq: 31 May 2023 10:28

Tgt Ion: 50 Resp: 86542
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.3 43.3





#5

Vinyl chloride

Concen: 48.834 ug/L

RT: 1.285 min Scan# 76

Delta R.T. -0.000 min

Lab File: VV031287.D

Acq: 31 May 2023 10:28

Instrument :

MSVOA_V

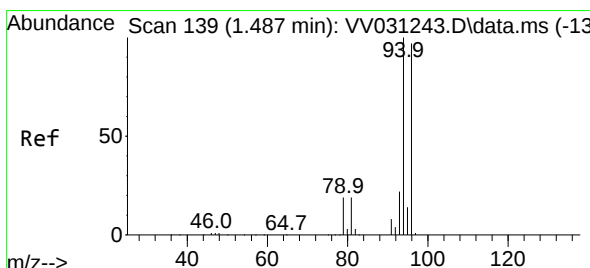
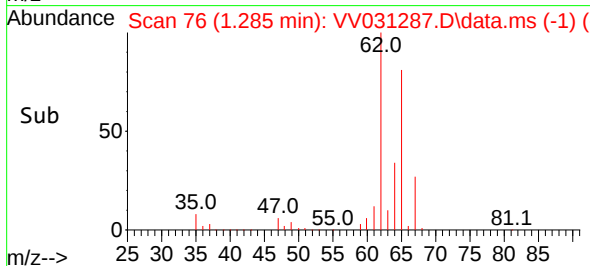
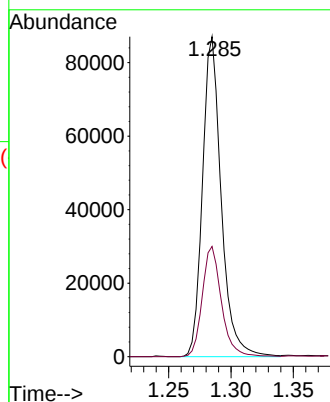
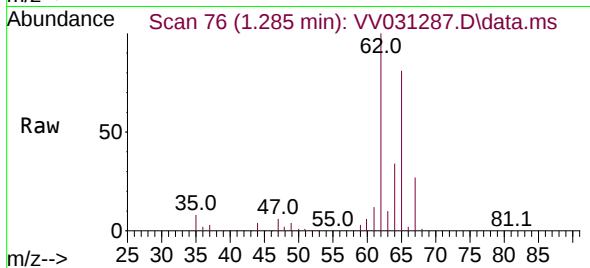
ClientSampleId :

Tgt Ion: 62 Resp: 91136

Ion Ratio Lower Upper

62 100

64 34.4 23.1 42.9



#6

Bromomethane

Concen: 54.760 ug/L

RT: 1.487 min Scan# 139

Delta R.T. -0.000 min

Lab File: VV031287.D

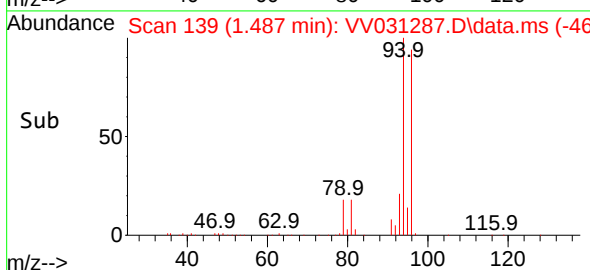
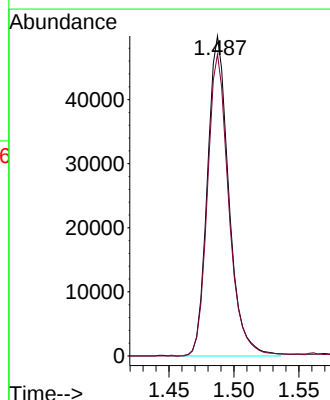
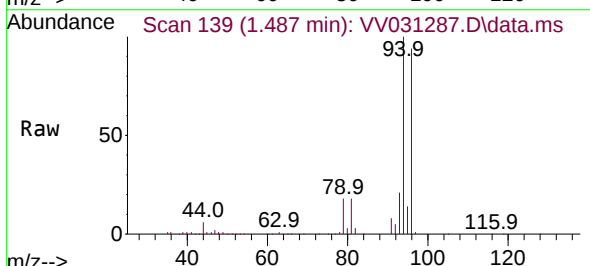
Acq: 31 May 2023 10:28

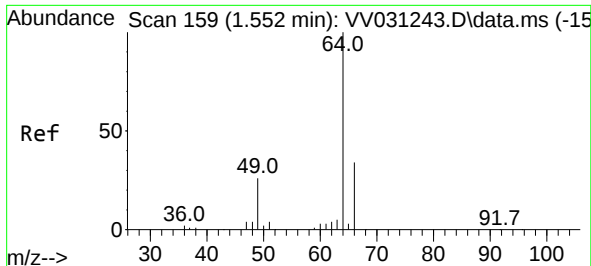
Tgt Ion: 94 Resp: 57273

Ion Ratio Lower Upper

94 100

96 94.3 63.9 118.7





#8

Chloroethane

Concen: 54.761 ug/L

RT: 1.548 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV031287.D

Acq: 31 May 2023 10:28

Instrument :

MSVOA_V

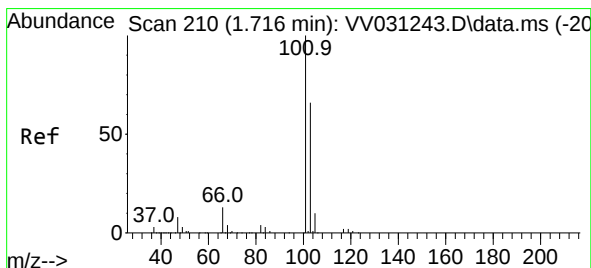
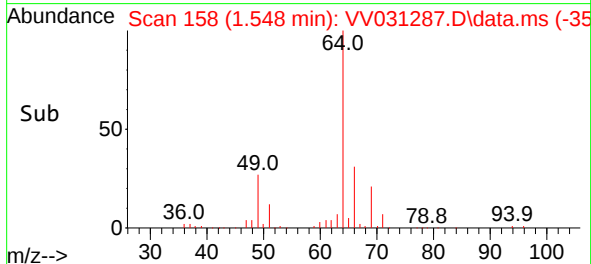
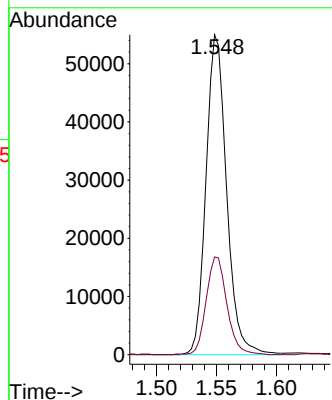
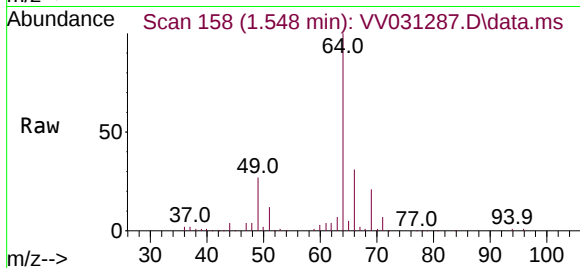
ClientSampleId :

Tgt Ion: 64 Resp: 65854

Ion Ratio Lower Upper

64 100

66 30.6 22.1 41.1



#9

Trichlorofluoromethane

Concen: 43.463 ug/L

RT: 1.716 min Scan# 210

Delta R.T. -0.000 min

Lab File: VV031287.D

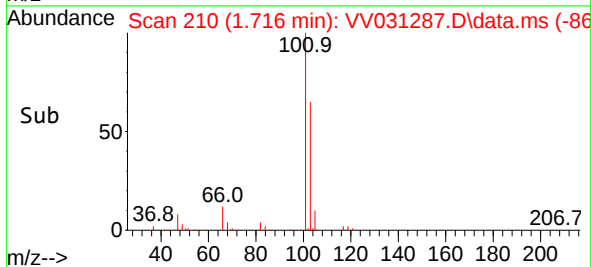
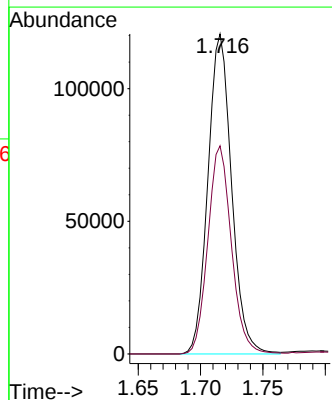
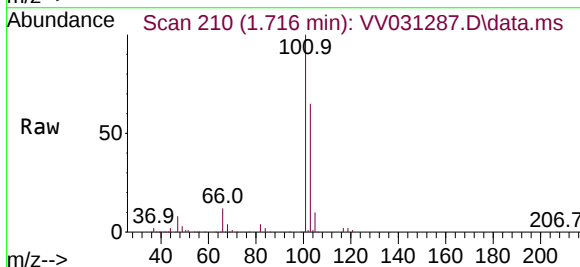
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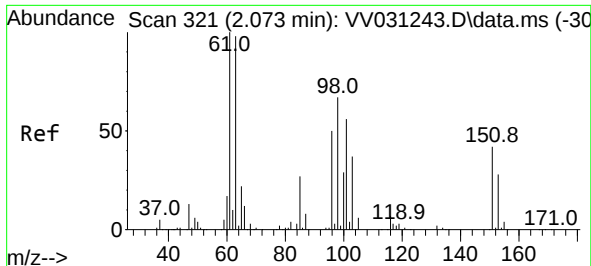
Tgt Ion:101 Resp: 159540

Ion Ratio Lower Upper

101 100

103 64.7 51.4 77.2





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 50.136 ug/L

RT: 2.073 min Scan# 321

Delta R.T. -0.000 min

Lab File: VV031287.D

Acq: 31 May 2023 10:28

Instrument :

MSVOA_V

ClientSampleId :

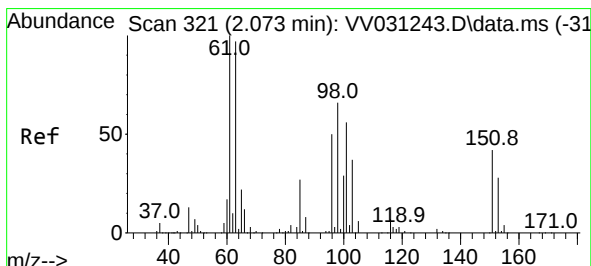
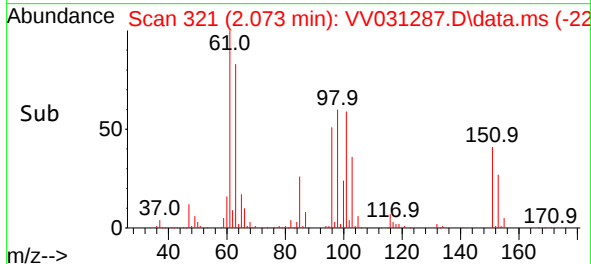
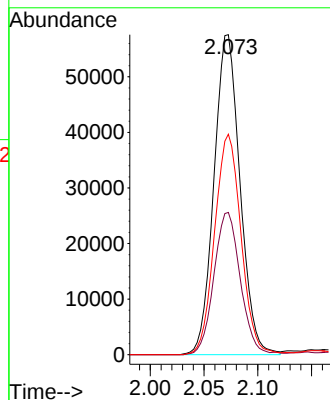
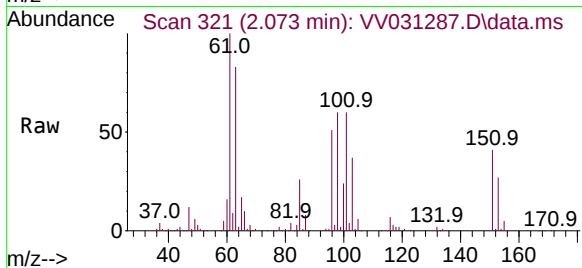
Tgt Ion:101 Resp: 97050

Ion Ratio Lower Upper

101 100

85 44.8 38.0 57.0

151 69.8 61.7 92.5



#12

1,1-Dichloroethene

Concen: 44.255 ug/L

RT: 2.073 min Scan# 321

Delta R.T. -0.000 min

Lab File: VV031287.D

Acq: 31 May 2023 10:28

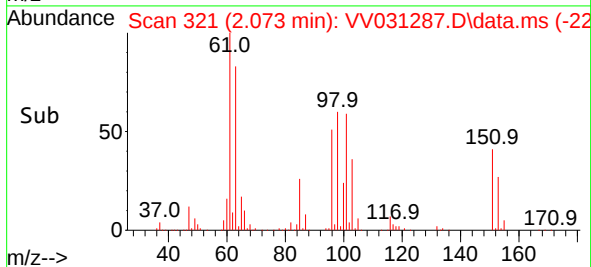
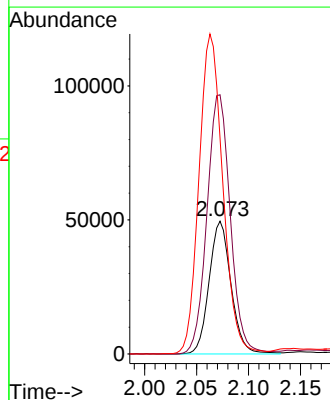
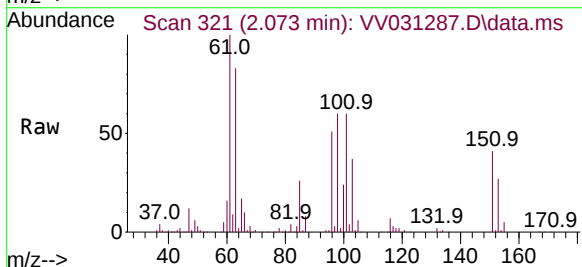
Tgt Ion: 96 Resp: 72673

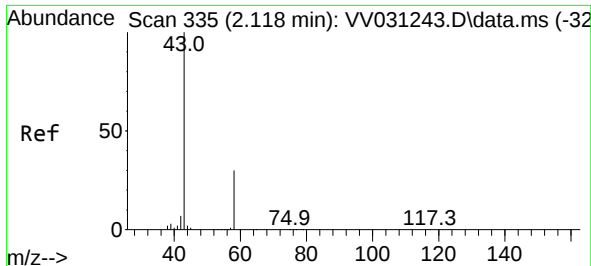
Ion Ratio Lower Upper

96 100

61 195.1 137.9 256.1

63 162.5 114.2 212.0





#13

Acetone

Concen: 92.407 ug/L

RT: 2.121 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV031287.D

Acq: 31 May 2023 10:28

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MSVOA_V

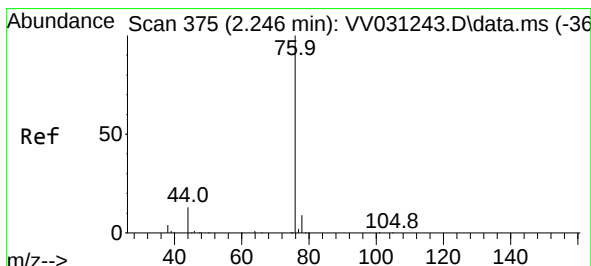
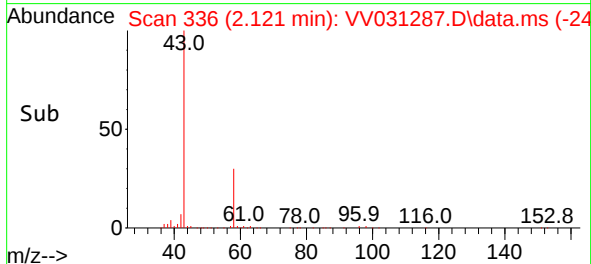
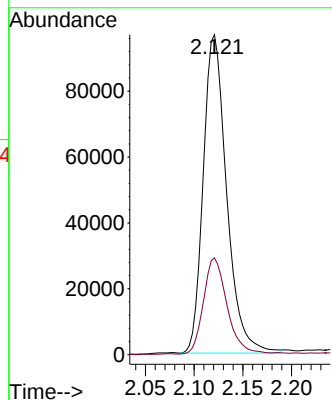
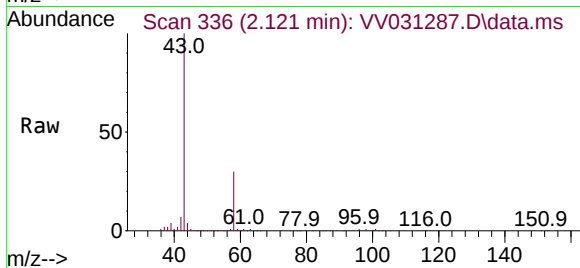
ClientSampleId :

Tgt Ion: 43 Resp: 161726

Ion Ratio Lower Upper

43 100

58 30.3 0.0 54.0



#14

Carbon disulfide

Concen: 48.904 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.003 min

Lab File: VV031287.D

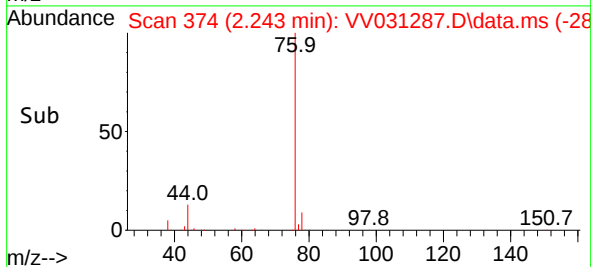
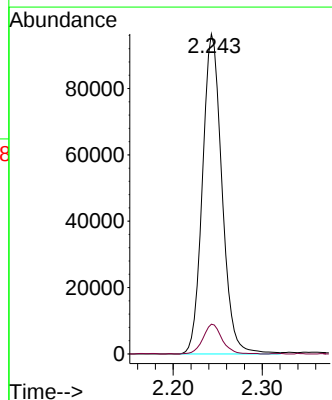
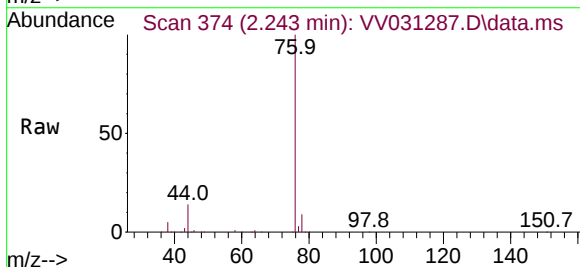
Acq: 31 May 2023 10:28

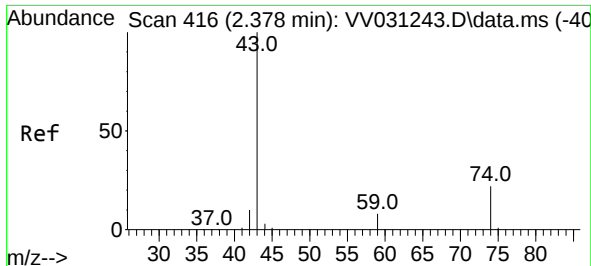
Tgt Ion: 76 Resp: 146346

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4

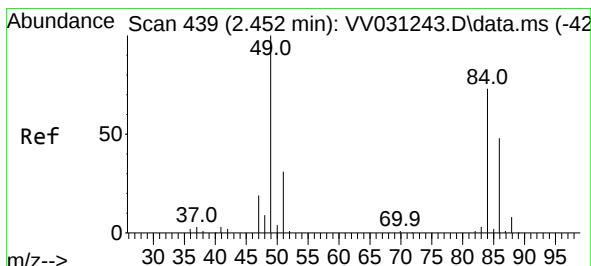
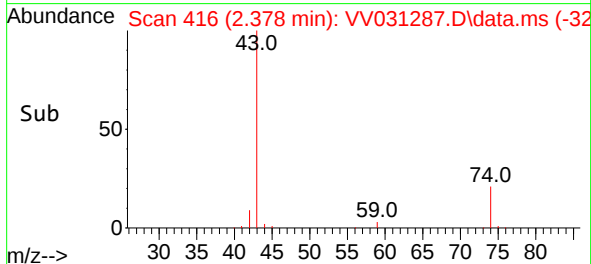
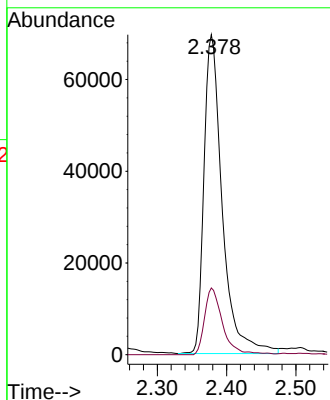
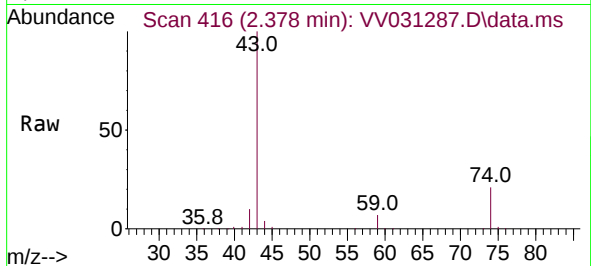




#15
Methyl Acetate
Concen: 63.986 ug/L
RT: 2.378 min Scan# 416
Delta R.T. -0.000 min
Lab File: VV031287.D
Acq: 31 May 2023 10:28

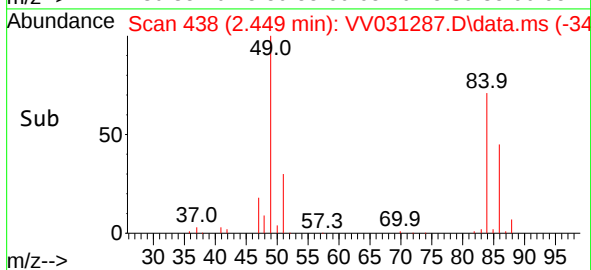
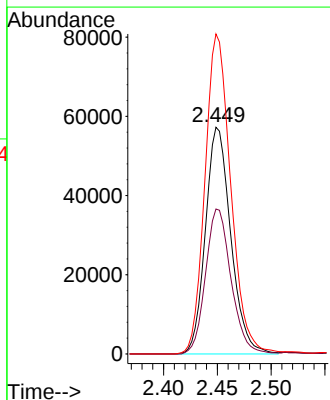
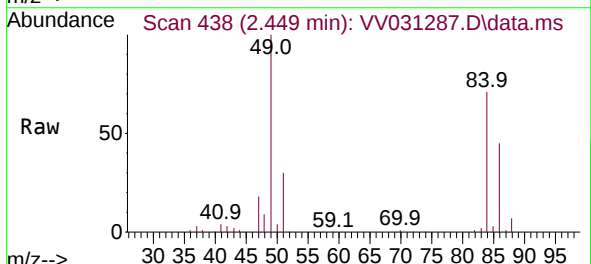
Instrument :
MSVOA_V
ClientSampleId :

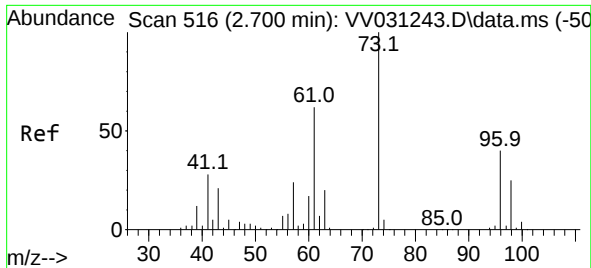
Tgt Ion: 43 Resp: 127275
Ion Ratio Lower Upper
43 100
74 19.8 18.1 27.1



#16
Methylene chloride
Concen: 51.477 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.003 min
Lab File: VV031287.D
Acq: 31 May 2023 10:28

Tgt Ion: 84 Resp: 94108
Ion Ratio Lower Upper
84 100
86 63.9 43.3 80.3
49 141.1 92.6 172.0





#17

trans-1,2-Dichloroethene

Concen: 45.349 ug/L

RT: 2.700 min Scan# 516

Delta R.T. -0.000 min

Lab File: VV031287.D

Acq: 31 May 2023 10:28

Instrument :

MSVOA_V

ClientSampleId :

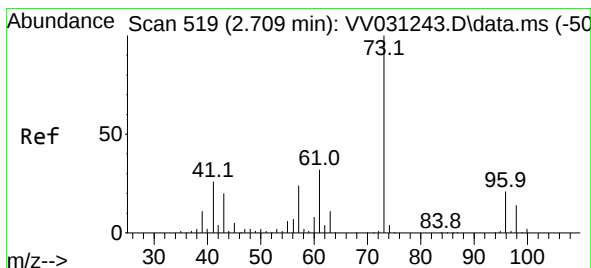
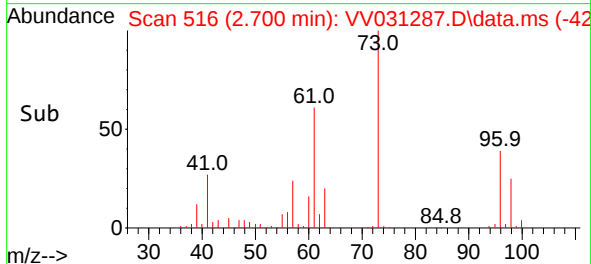
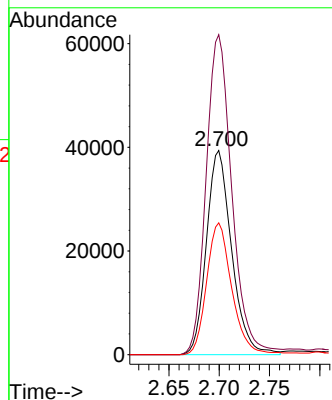
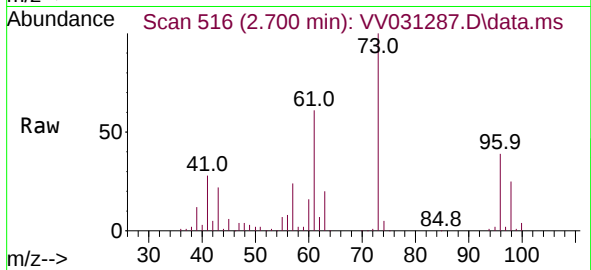
Tgt Ion: 96 Resp: 68852

Ion Ratio Lower Upper

96 100

61 156.7 100.0 185.6

98 64.6 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 49.978 ug/L

RT: 2.709 min Scan# 519

Delta R.T. -0.000 min

Lab File: VV031287.D

Acq: 31 May 2023 10:28

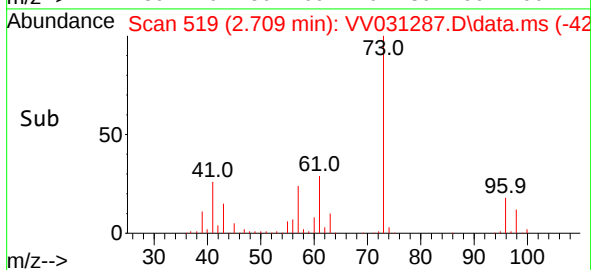
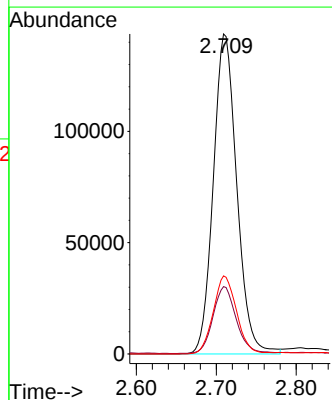
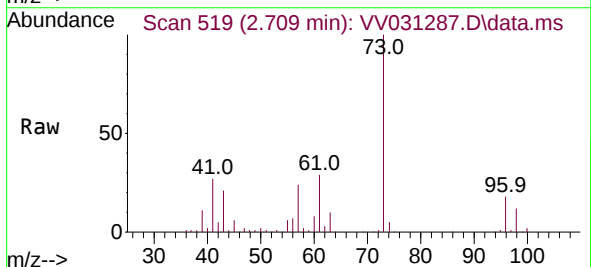
Tgt Ion: 73 Resp: 293126

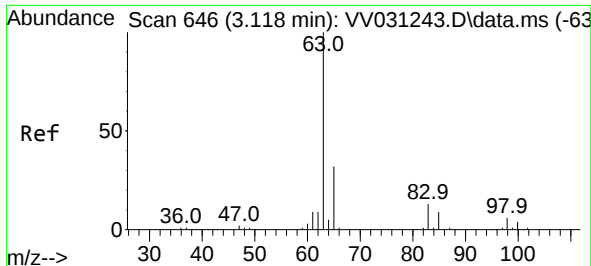
Ion Ratio Lower Upper

73 100

43 20.5 19.4 29.2

57 24.1 17.1 25.7





#19

1,1-Dichloroethane

Concen: 54.506 ug/L

RT: 3.117 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV031287.D

Acq: 31 May 2023 10:28

Instrument :

MSVOA_V

ClientSampleId :

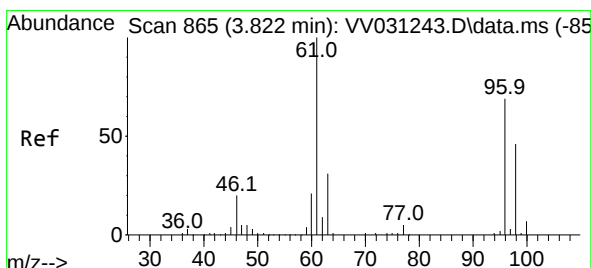
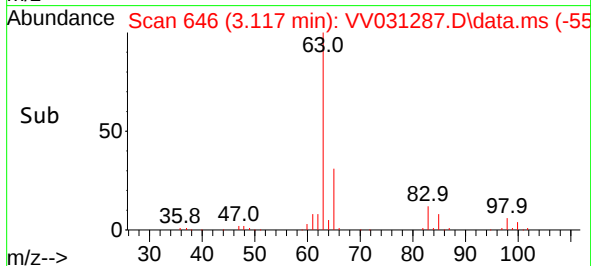
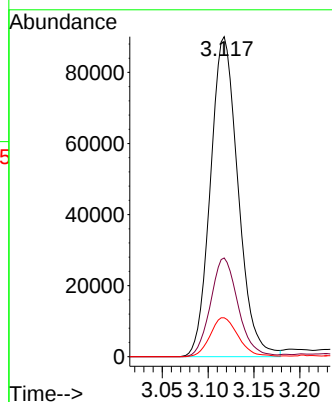
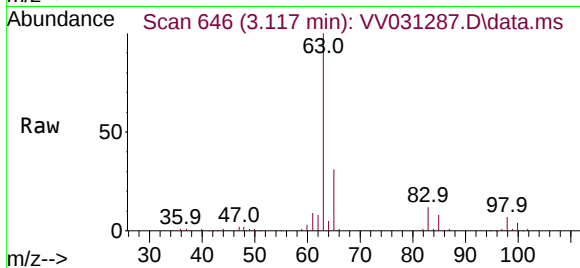
Tgt Ion: 63 Resp: 188595

Ion Ratio Lower Upper

63 100

65 30.9 21.9 40.7

83 12.1 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 46.579 ug/L

RT: 3.822 min Scan# 865

Delta R.T. -0.000 min

Lab File: VV031287.D

Acq: 31 May 2023 10:28

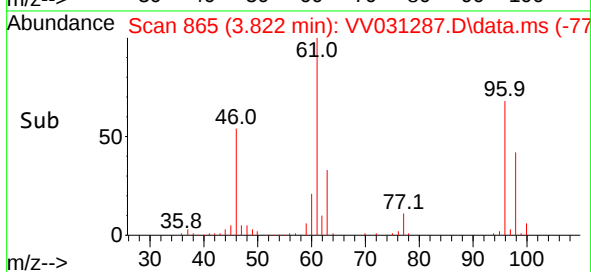
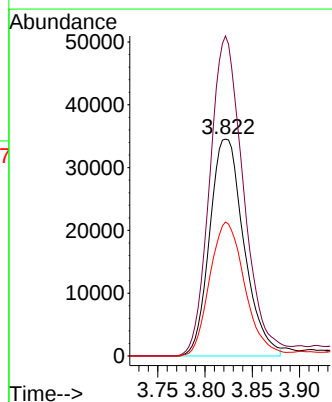
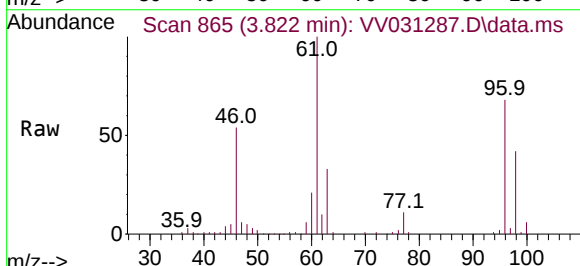
Tgt Ion: 96 Resp: 87179

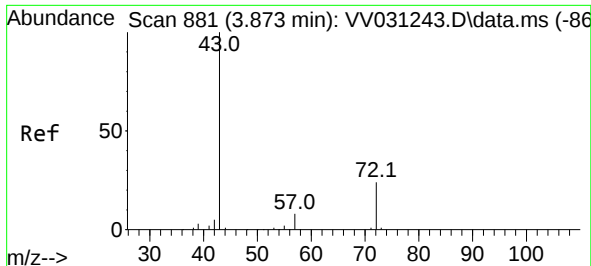
Ion Ratio Lower Upper

96 100

61 147.6 89.2 165.6

98 61.8 43.0 80.0

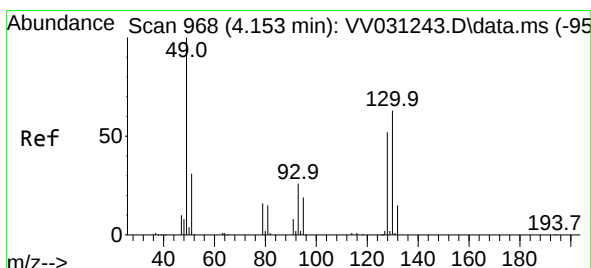
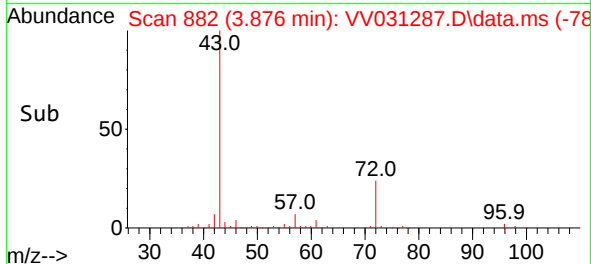
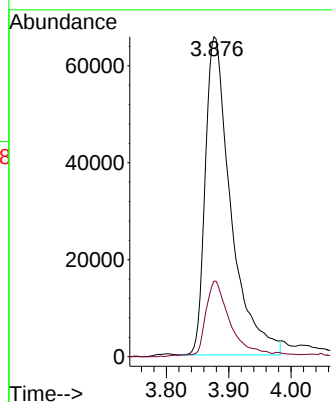
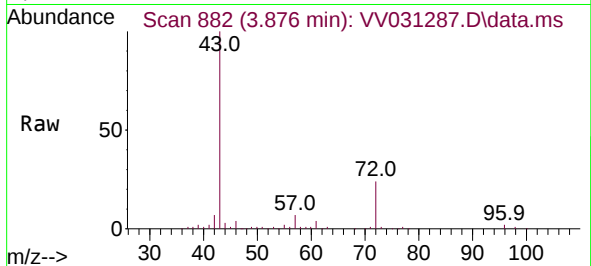




#22
2-Butanone
Concen: 111.623 ug/L
RT: 3.876 min Scan# 881
Delta R.T. 0.003 min
Lab File: VV031287.D
Acq: 31 May 2023 10:28

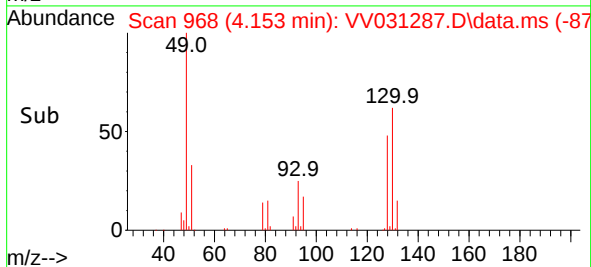
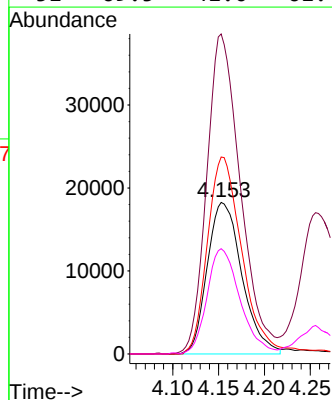
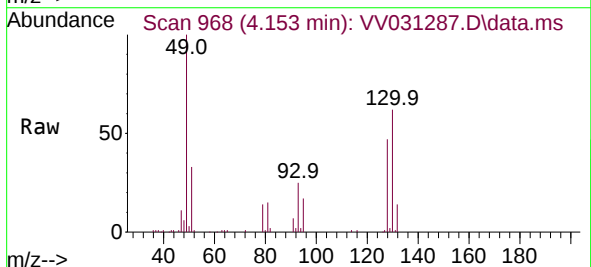
Instrument :
MSVOA_V
ClientSampleId :

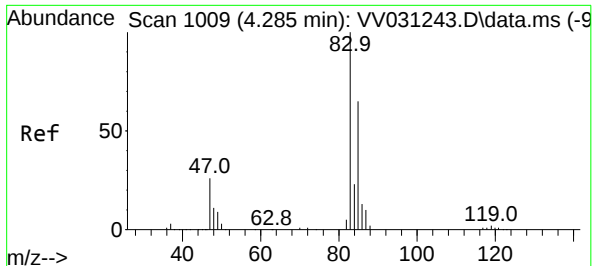
Tgt Ion: 43 Resp: 187340
Ion Ratio Lower Upper
43 100
72 21.9 11.9 35.7



#23
Bromochloromethane
Concen: 46.717 ug/L
RT: 4.153 min Scan# 968
Delta R.T. -0.000 min
Lab File: VV031287.D
Acq: 31 May 2023 10:28

Tgt Ion:128 Resp: 48049
Ion Ratio Lower Upper
128 100
49 211.1 113.2 210.2#
130 130.0 87.5 162.5
51 69.5 41.0 61.4#





#25

Chloroform

Concen: 50.855 ug/L

RT: 4.281 min Scan# 1009

Delta R.T. -0.003 min

Lab File: VV031287.D

Acq: 31 May 2023 10:28

Instrument :

MSVOA_V

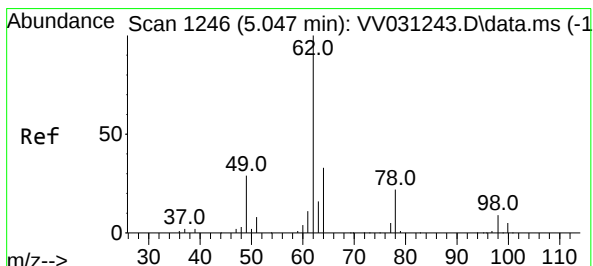
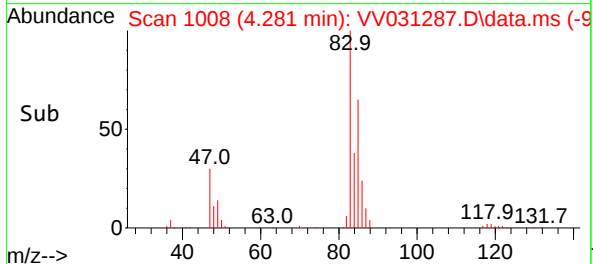
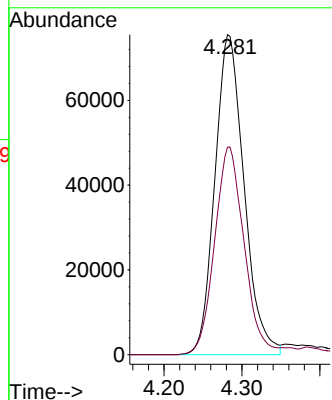
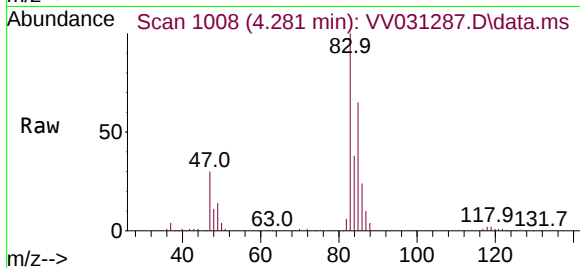
ClientSampleId :

Tgt Ion: 83 Resp: 196568

Ion Ratio Lower Upper

83 100

85 64.8 47.3 87.9



#27

1,2-Dichloroethane

Concen: 45.775 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.000 min

Lab File: VV031287.D

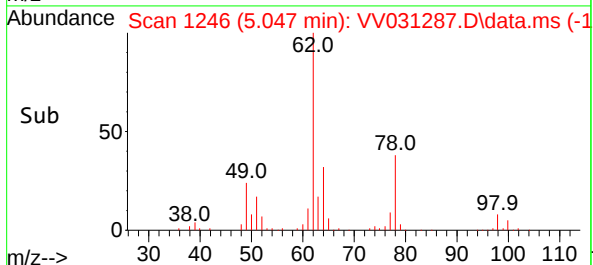
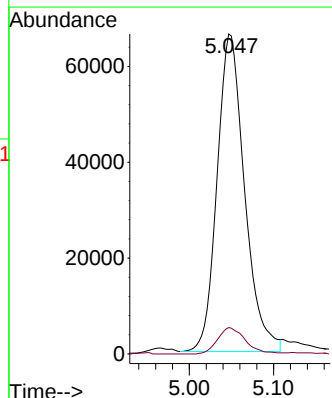
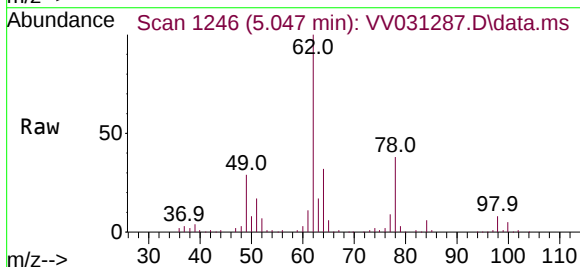
Acq: 31 May 2023 10:28

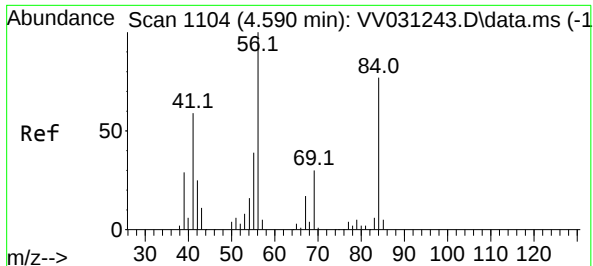
Tgt Ion: 62 Resp: 150121

Ion Ratio Lower Upper

62 100

98 8.2 6.3 9.5





#29

Cyclohexane

Concen: 51.612 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VV031287.D

Acq: 31 May 2023 10:28

Instrument :

MSVOA_V

ClientSampleId :

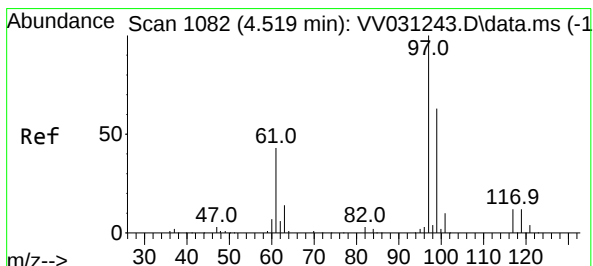
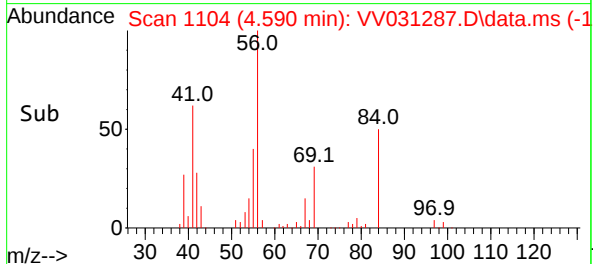
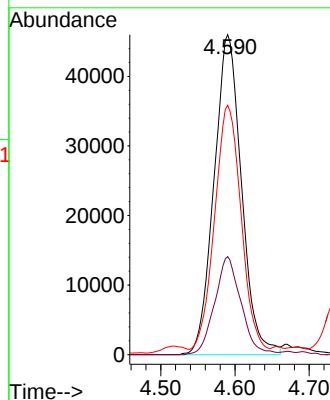
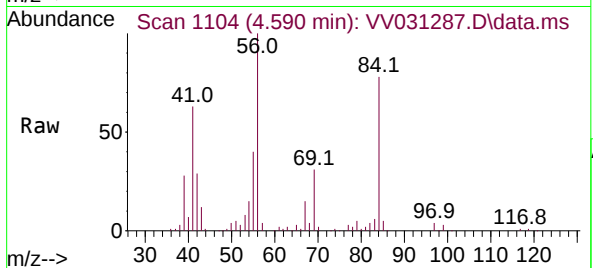
Tgt Ion: 56 Resp: 118240

Ion Ratio Lower Upper

56 100

69 29.1 25.1 37.7

84 73.7 71.5 107.3



#30

1,1,1-Trichloroethane

Concen: 45.697 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.000 min

Lab File: VV031287.D

Acq: 31 May 2023 10:28

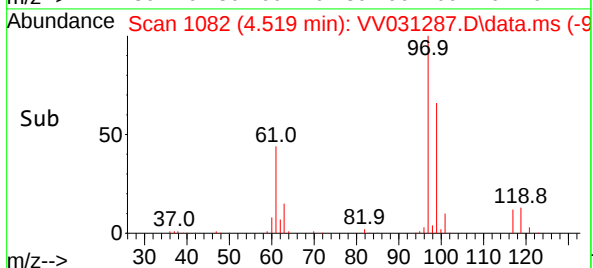
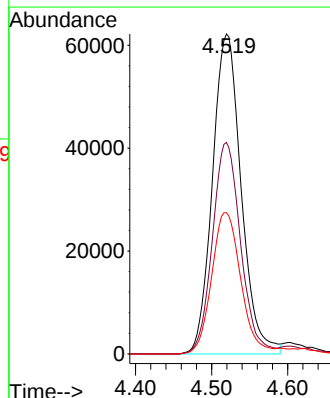
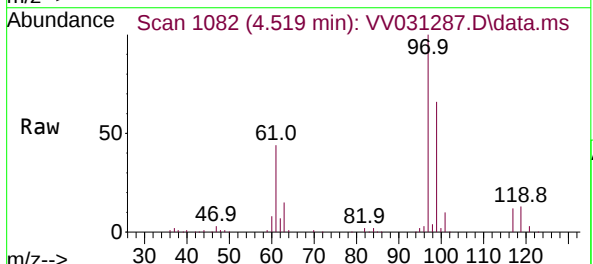
Tgt Ion: 97 Resp: 163254

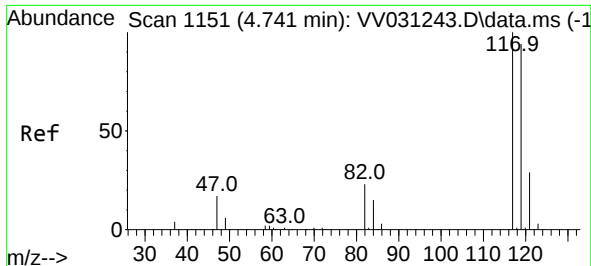
Ion Ratio Lower Upper

97 100

99 64.9 51.9 77.9

61 44.8 38.2 57.2

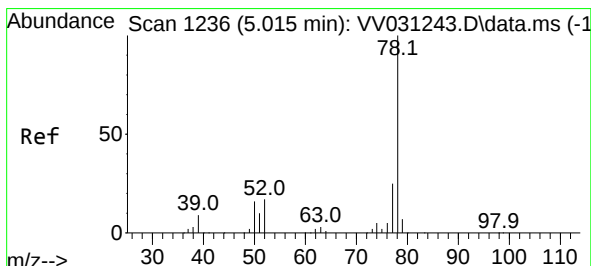
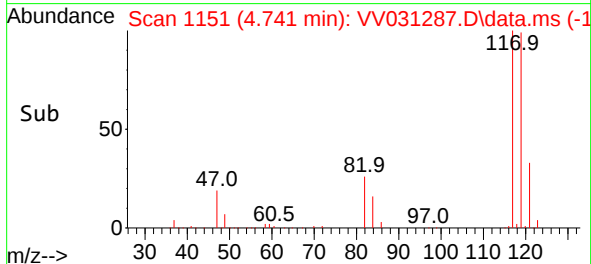
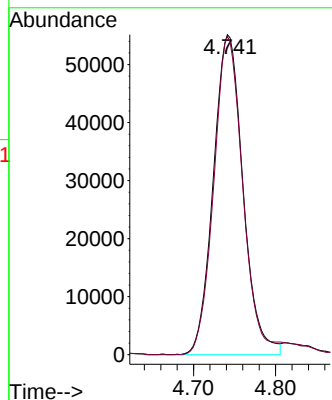
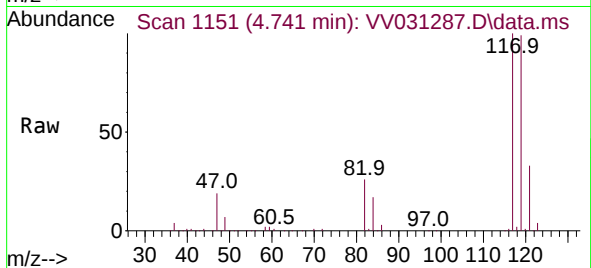




#31
Carbon tetrachloride
Concen: 44.651 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. -0.000 min
Lab File: VV031287.D
Acq: 31 May 2023 10:28

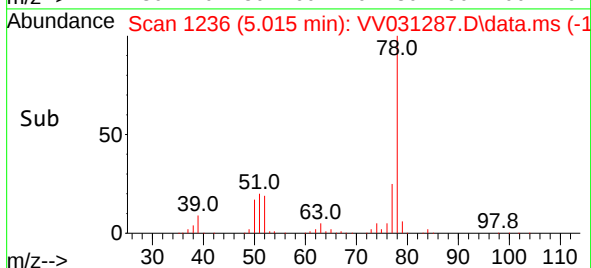
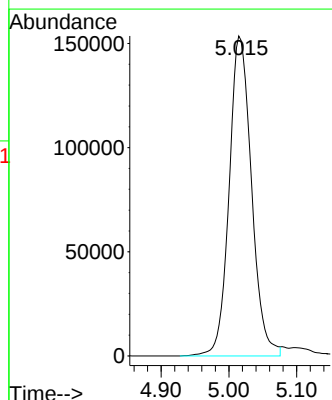
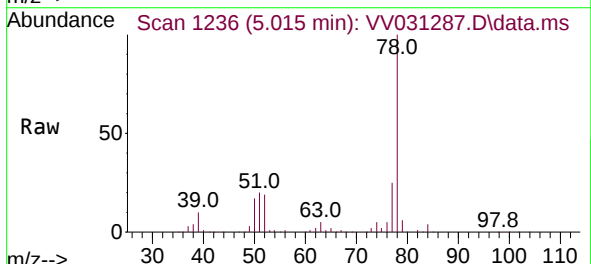
Instrument :
MSVOA_V
ClientSampleId :

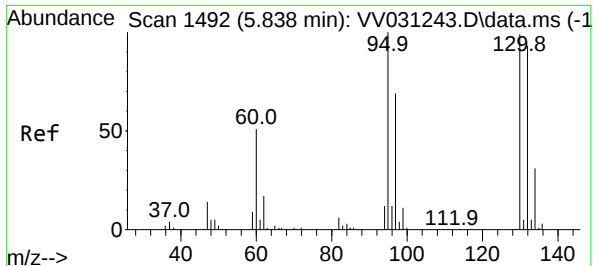
Tgt Ion:117 Resp: 138966
Ion Ratio Lower Upper
117 100
119 100.4 76.9 115.3



#33
Benzene
Concen: 50.556 ug/L
RT: 5.015 min Scan# 1236
Delta R.T. -0.000 min
Lab File: VV031287.D
Acq: 31 May 2023 10:28

Tgt Ion: 78 Resp: 352614

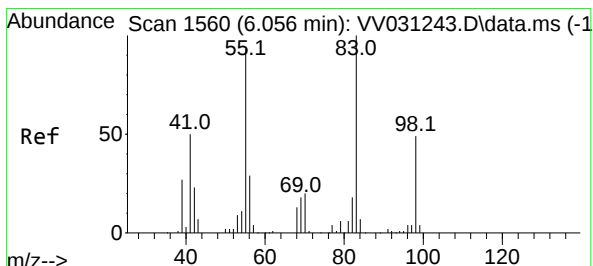
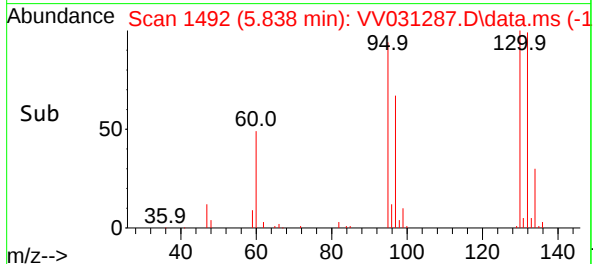
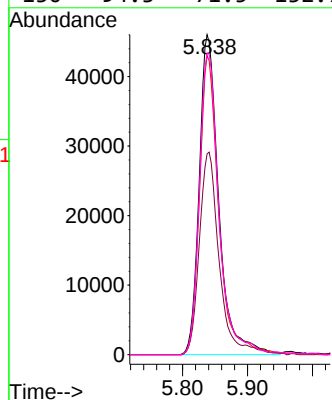
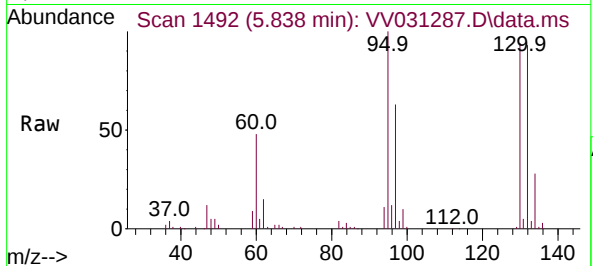




#34
Trichloroethene
Concen: 51.822 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. -0.000 min
Lab File: VV031287.D
Acq: 31 May 2023 10:28

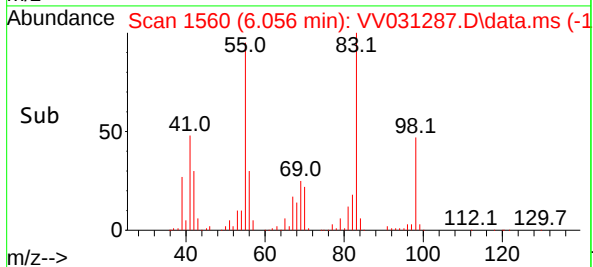
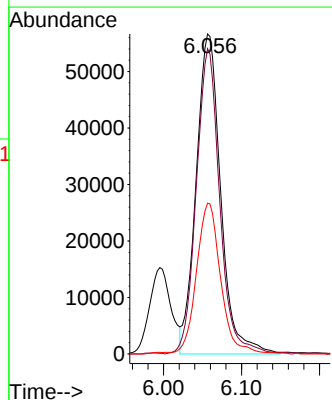
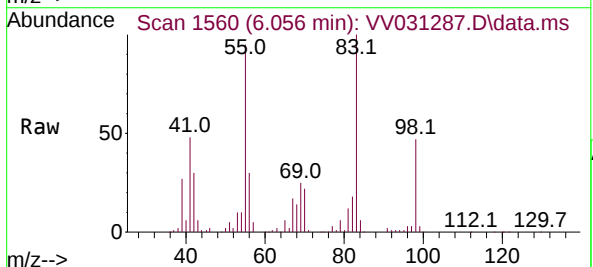
Instrument :
MSVOA_V
ClientSampleId :

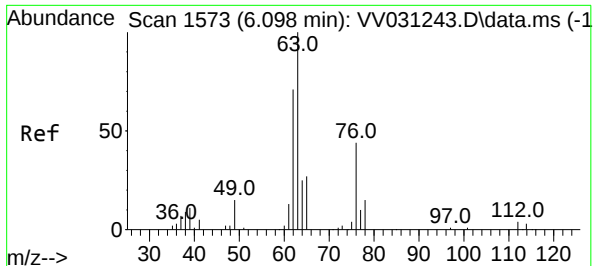
Tgt Ion: 95 Resp: 96847
Ion Ratio Lower Upper
95 100
97 62.7 44.4 82.5
132 93.5 70.2 130.4
130 94.3 71.5 132.7



#35
Methylcyclohexane
Concen: 50.047 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.000 min
Lab File: VV031287.D
Acq: 31 May 2023 10:28

Tgt Ion: 83 Resp: 124112
Ion Ratio Lower Upper
83 100
55 91.0 64.2 96.2
98 46.6 40.0 60.0





#37

1,2-Dichloropropane

Concen: 58.004 ug/L

RT: 6.098 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV031287.D

Acq: 31 May 2023 10:28

Instrument :

MSVOA_V

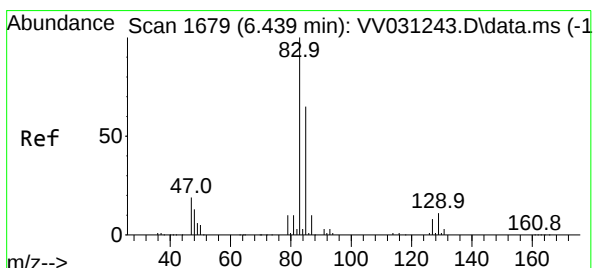
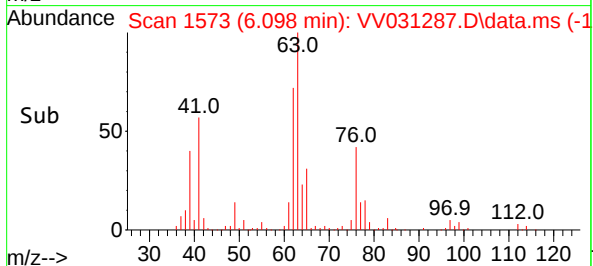
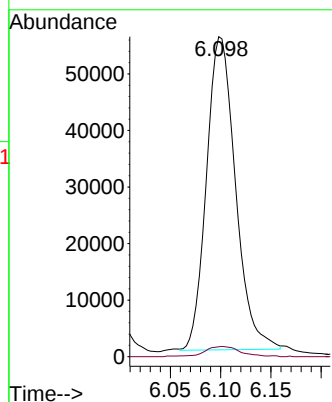
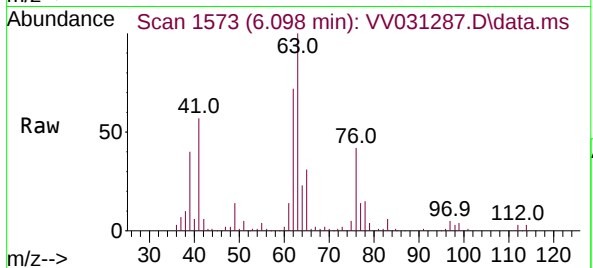
ClientSampleId :

Tgt Ion: 63 Resp: 111350

Ion Ratio Lower Upper

63 100

112 3.9 4.3 6.5#



#38

Bromodichloromethane

Concen: 51.683 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.000 min

Lab File: VV031287.D

Acq: 31 May 2023 10:28

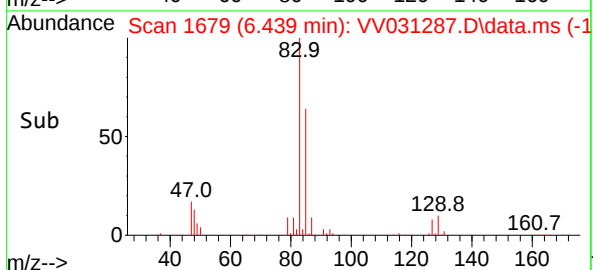
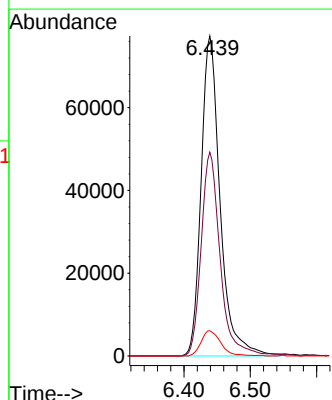
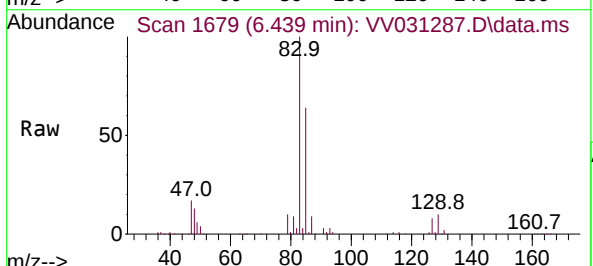
Tgt Ion: 83 Resp: 153801

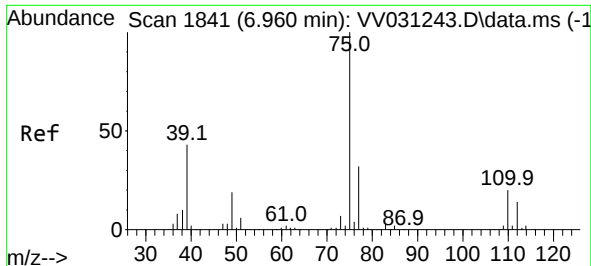
Ion Ratio Lower Upper

83 100

85 63.7 44.0 81.6

127 7.9 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 51.311 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VV031287.D

Acq: 31 May 2023 10:28

Instrument :

MSVOA_V

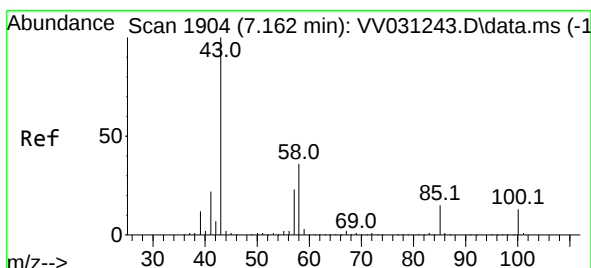
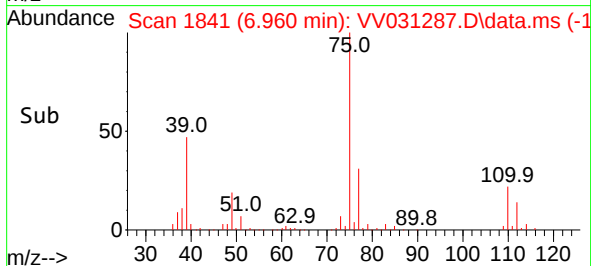
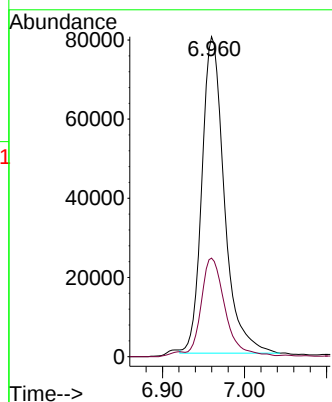
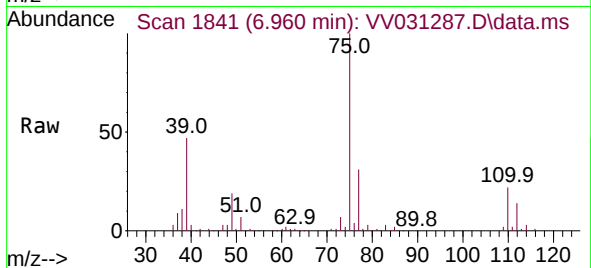
ClientSampleId :

Tgt Ion: 75 Resp: 151892

Ion Ratio Lower Upper

75 100

77 30.8 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 117.356 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. 0.003 min

Lab File: VV031287.D

Acq: 31 May 2023 10:28

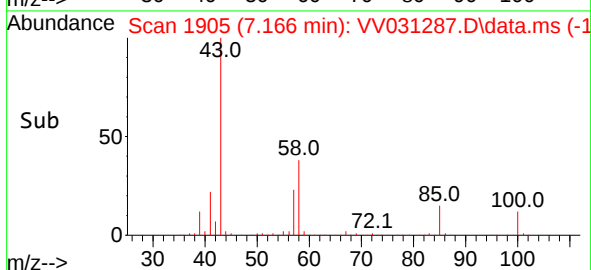
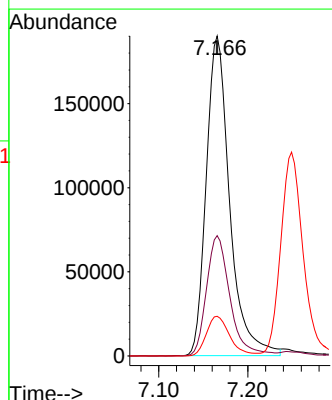
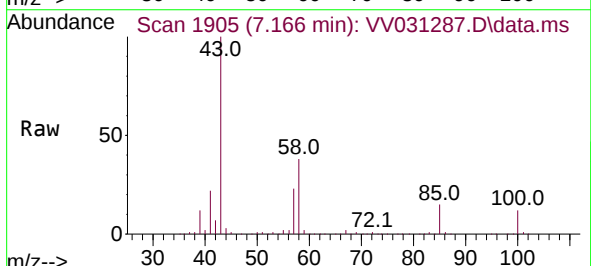
Tgt Ion: 43 Resp: 346674

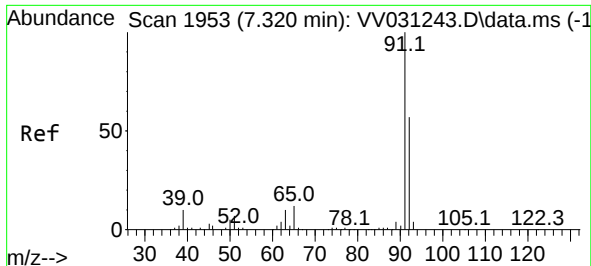
Ion Ratio Lower Upper

43 100

58 37.5 29.0 43.4

100 12.5 12.2 18.4





#42

Toluene

Concen: 51.255 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VV031287.D

Acq: 31 May 2023 10:28

Instrument :

MSVOA_V

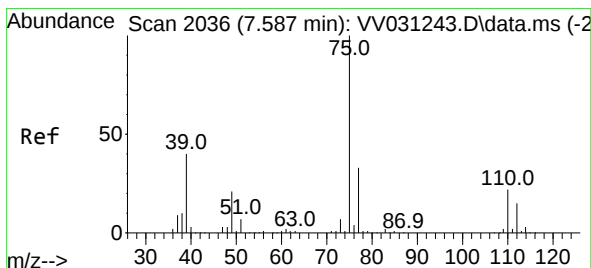
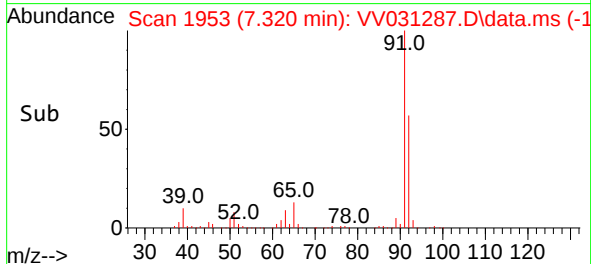
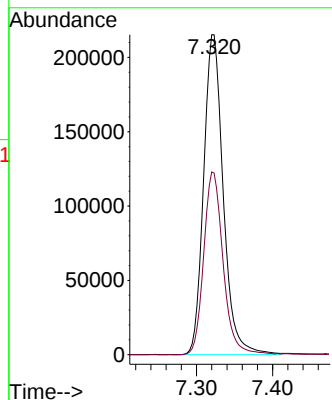
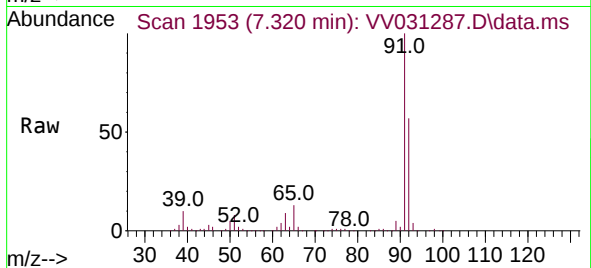
ClientSampleId :

Tgt Ion: 91 Resp: 386774

Ion Ratio Lower Upper

91 100

92 57.1 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 54.391 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.000 min

Lab File: VV031287.D

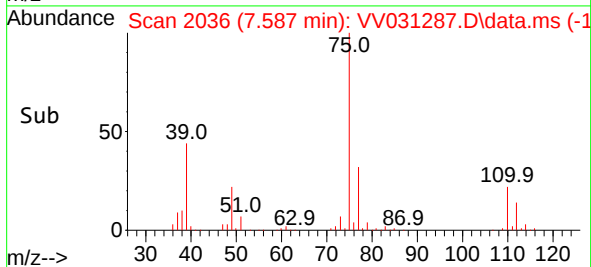
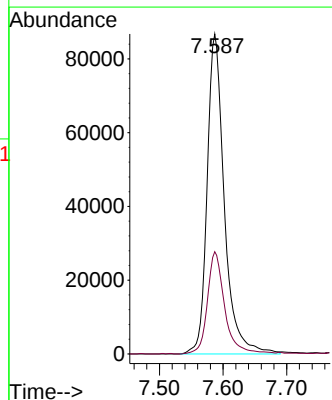
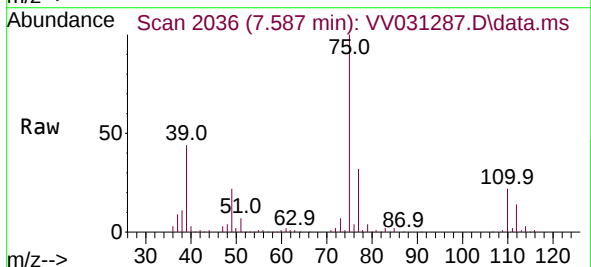
Acq: 31 May 2023 10:28

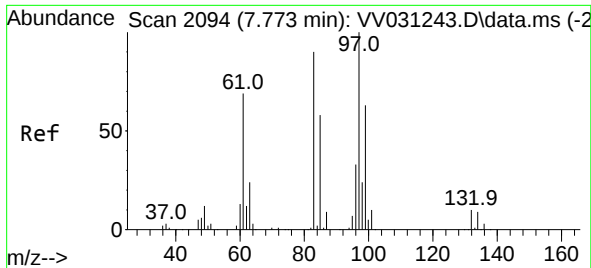
Tgt Ion: 75 Resp: 162882

Ion Ratio Lower Upper

75 100

77 32.0 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 52.429 ug/L

RT: 7.776 min Scan# 2094

Delta R.T. 0.003 min

Lab File: VV031287.D

Acq: 31 May 2023 10:28

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 109829

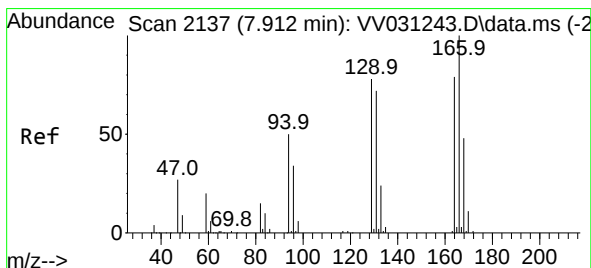
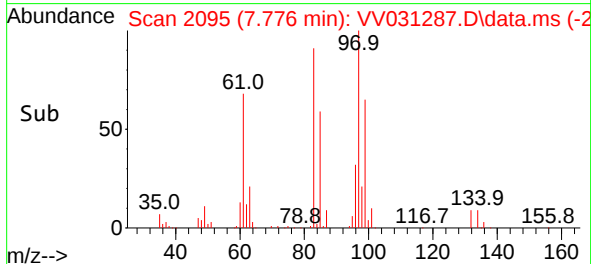
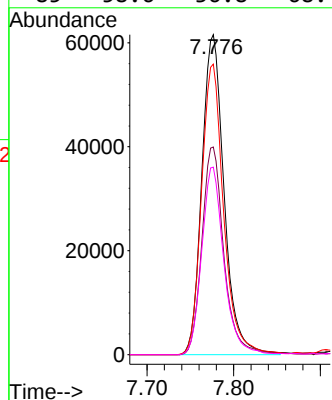
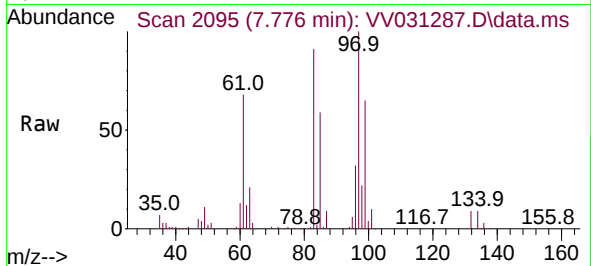
Ion Ratio Lower Upper

97 100

99 64.9 43.2 80.2

83 90.8 60.5 112.3

85 58.6 36.8 68.4



#46

Tetrachloroethene

Concen: 41.750 ug/L

RT: 7.912 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VV031287.D

Acq: 31 May 2023 10:28

Tgt Ion:164 Resp: 66999

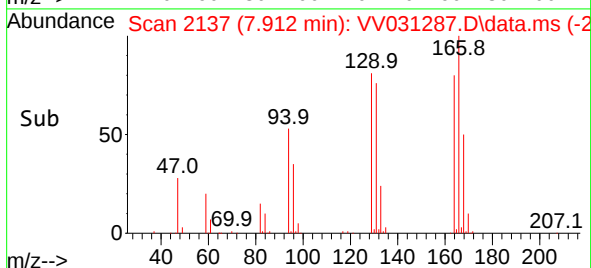
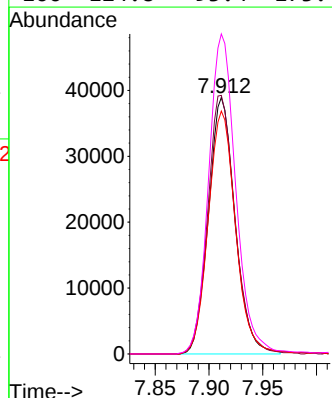
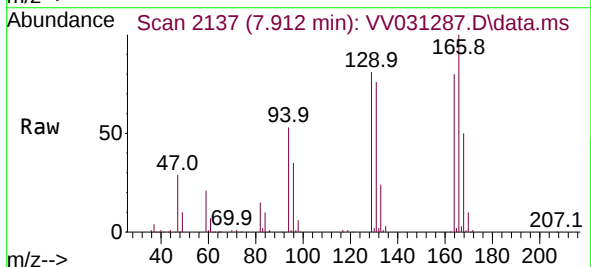
Ion Ratio Lower Upper

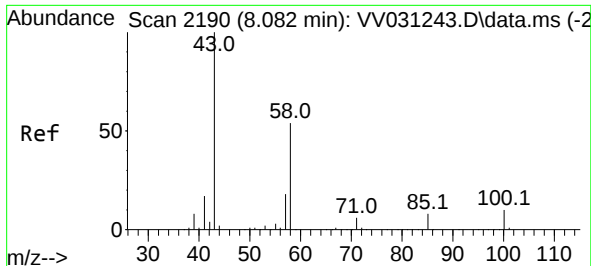
164 100

129 100.8 65.5 121.7

131 94.7 62.1 115.3

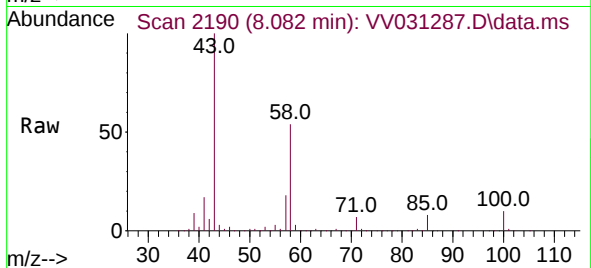
166 124.8 93.4 173.4



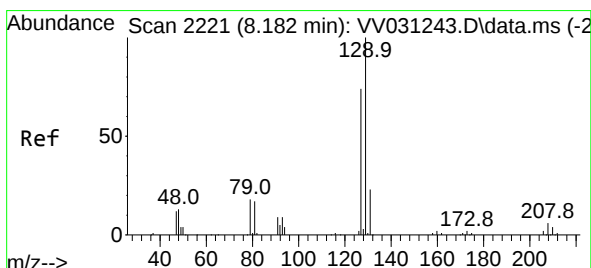
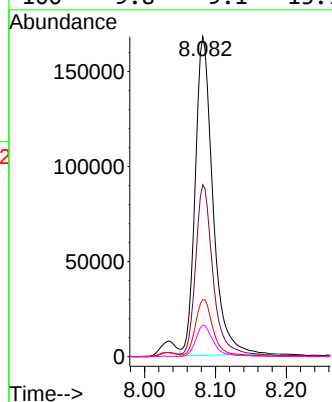
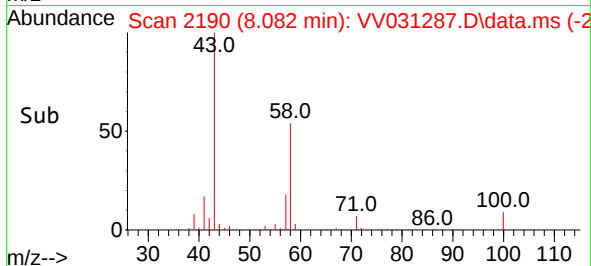


#48
2-Hexanone
Concen: 118.514 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.000 min
Lab File: VV031287.D
Acq: 31 May 2023 10:28

Instrument :
MSVOA_V
ClientSampleId :

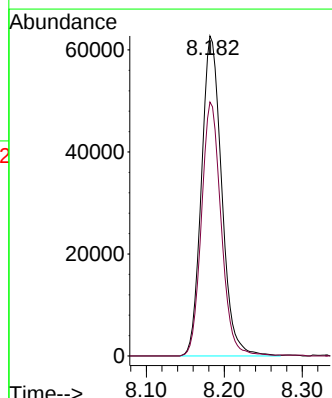
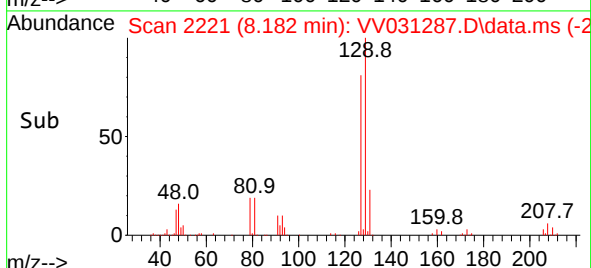
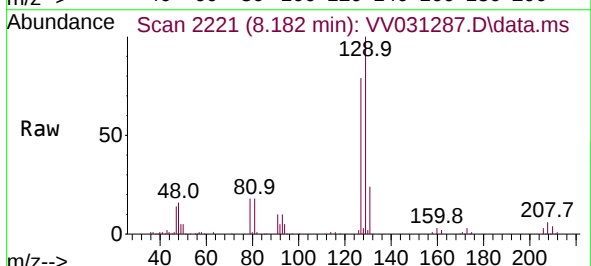


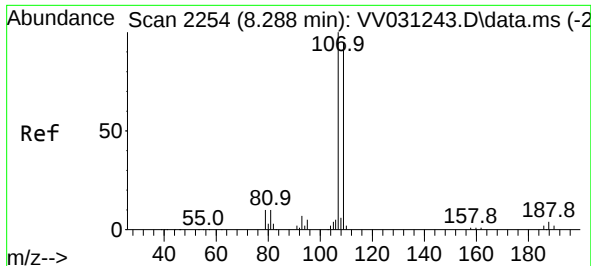
Tgt Ion: 43 Resp: 291595
Ion Ratio Lower Upper
43 100
58 52.3 39.8 59.6
57 17.5 14.4 21.6
100 9.8 9.1 13.7



#49
Dibromochloromethane
Concen: 47.909 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. -0.000 min
Lab File: VV031287.D
Acq: 31 May 2023 10:28

Tgt Ion: 129 Resp: 113233
Ion Ratio Lower Upper
129 100
127 79.4 56.1 104.1





#50

1,2-Dibromoethane

Concen: 52.210 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031287.D

Acq: 31 May 2023 10:28

Instrument :

MSVOA_V

ClientSampleId :

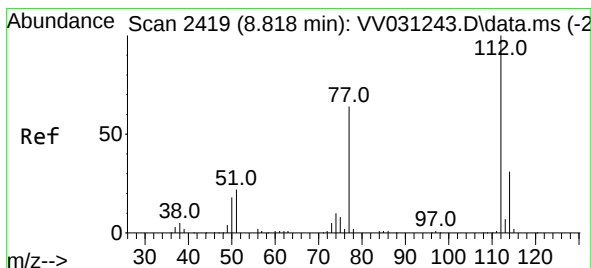
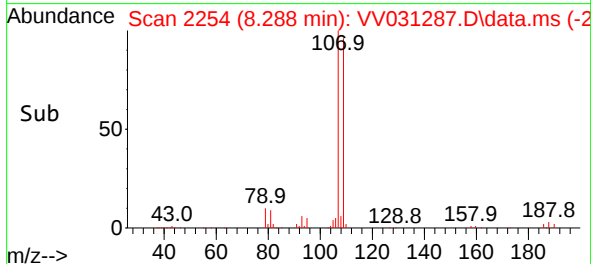
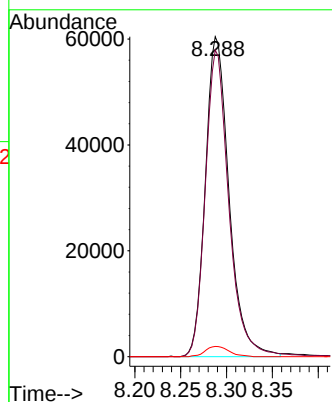
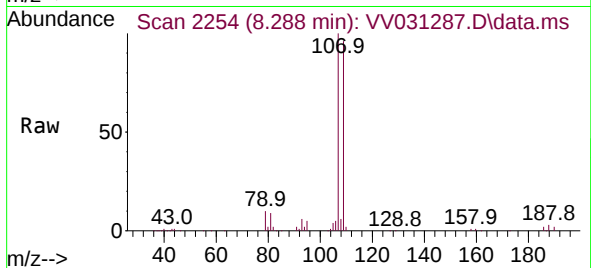
Tgt Ion:107 Resp: 108738

Ion Ratio Lower Upper

107 100

109 95.8 65.6 121.8

188 3.2 3.8 5.6#



#51

Chlorobenzene

Concen: 45.691 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.003 min

Lab File: VV031287.D

Acq: 31 May 2023 10:28

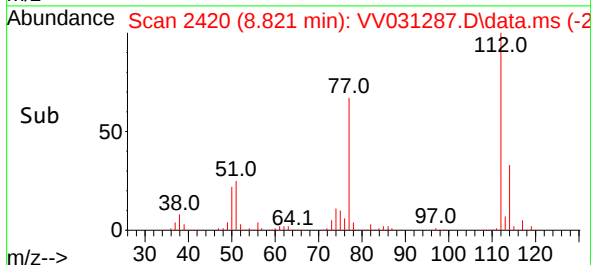
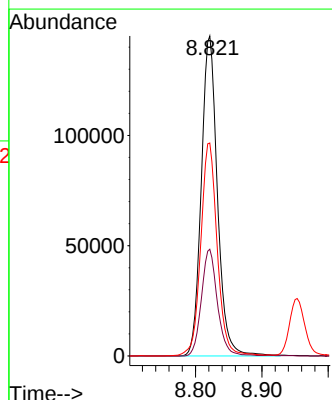
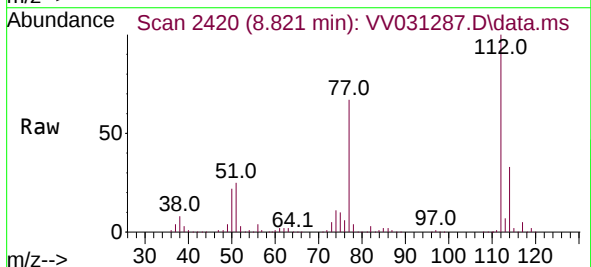
Tgt Ion:112 Resp: 245406

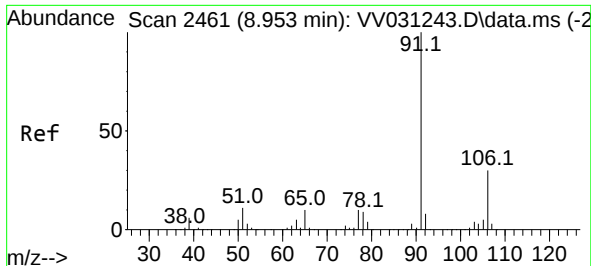
Ion Ratio Lower Upper

112 100

114 33.4 23.0 42.8

77 66.6 46.2 69.4

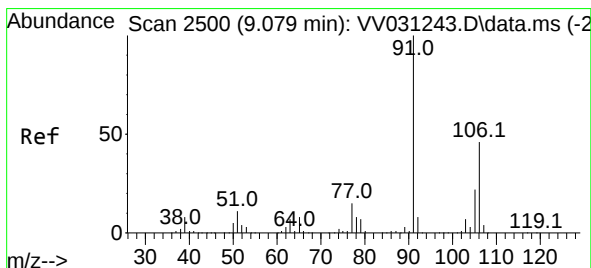
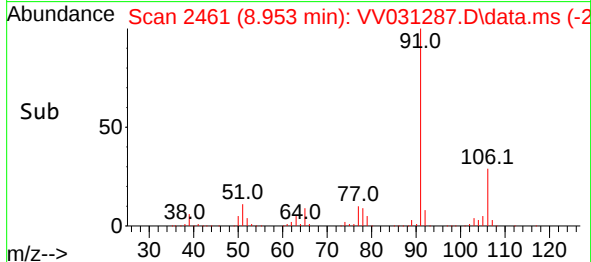
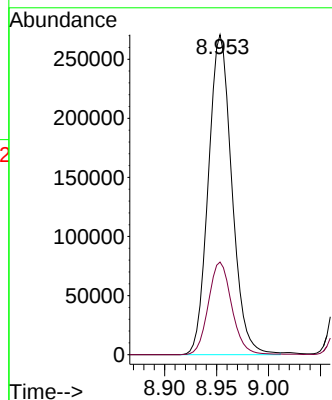
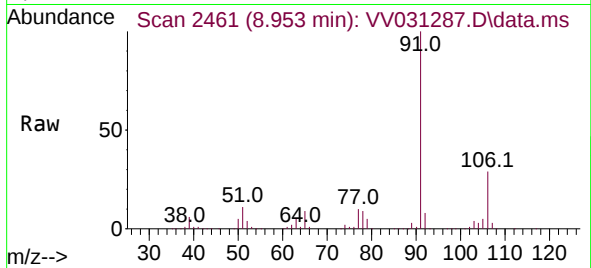




#52
Ethylbenzene
Concen: 49.297 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. -0.000 min
Lab File: VV031287.D
Acq: 31 May 2023 10:28

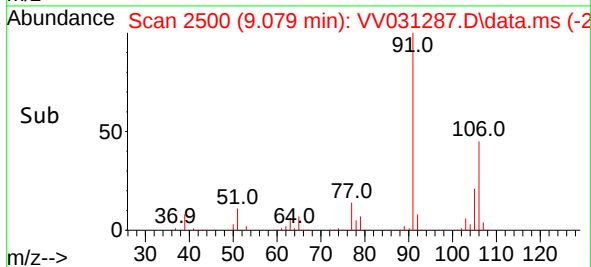
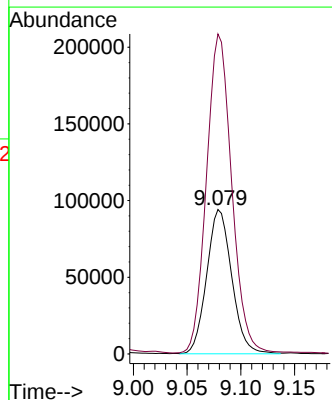
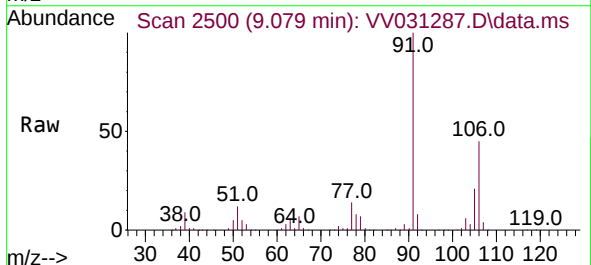
Instrument :
MSVOA_V
ClientSampleId :

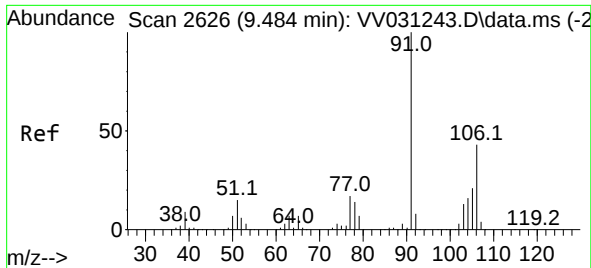
Tgt Ion: 91 Resp: 425917
Ion Ratio Lower Upper
91 100
106 28.9 21.5 39.9



#53
m,p-Xylene
Concen: 45.491 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. -0.000 min
Lab File: VV031287.D
Acq: 31 May 2023 10:28

Tgt Ion: 106 Resp: 152459
Ion Ratio Lower Upper
106 100
91 221.5 145.3 269.8

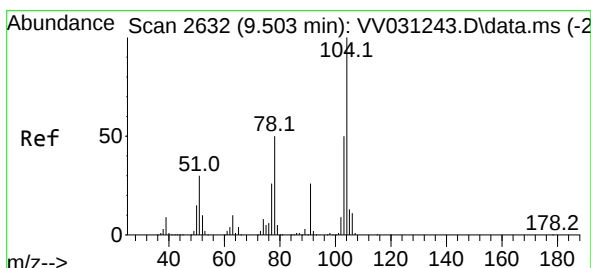
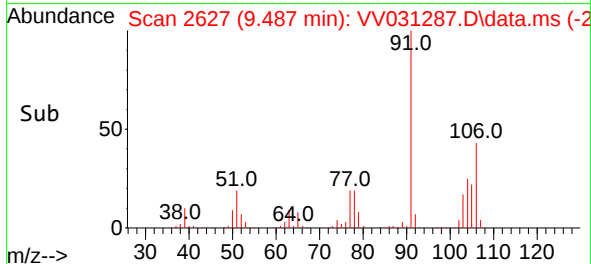
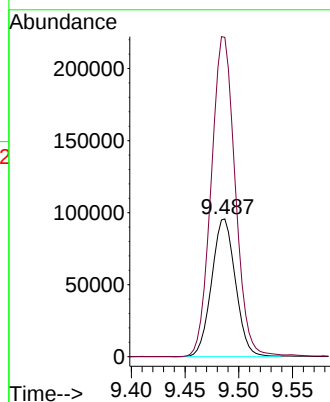
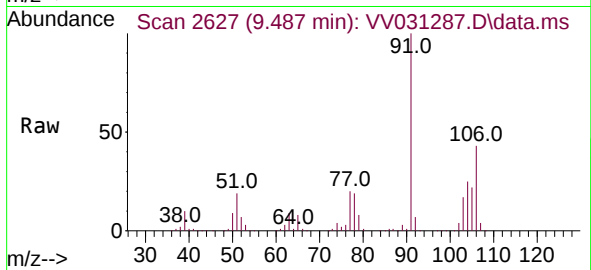




#54
o-Xylene
Concen: 44.714 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.003 min
Lab File: VV031287.D
Acq: 31 May 2023 10:28

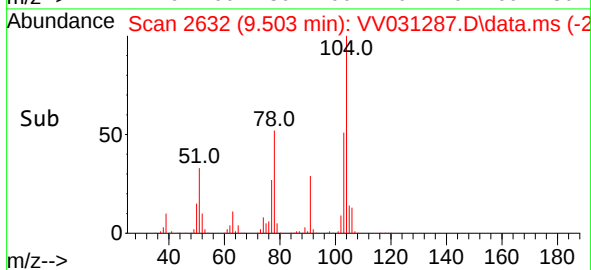
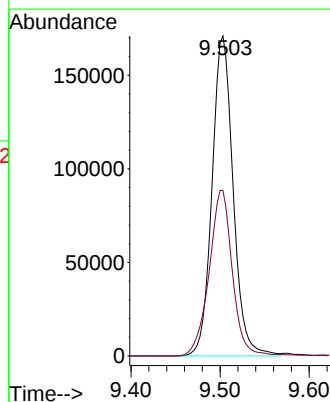
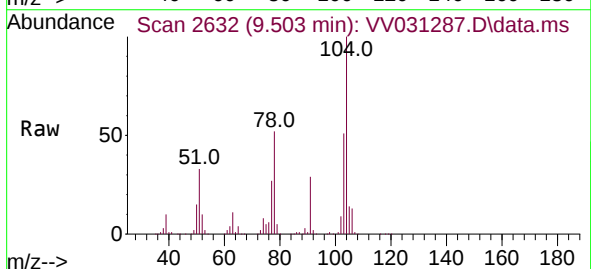
Instrument :
MSVOA_V
ClientSampleId :

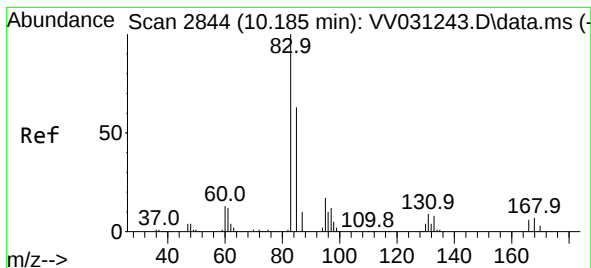
Tgt Ion:106 Resp: 147832
Ion Ratio Lower Upper
106 100
91 231.9 150.4 279.2



#55
Styrene
Concen: 48.233 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV031287.D
Acq: 31 May 2023 10:28

Tgt Ion:104 Resp: 282032
Ion Ratio Lower Upper
104 100
78 51.7 33.2 61.6

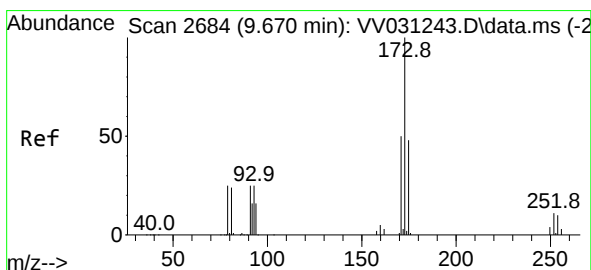
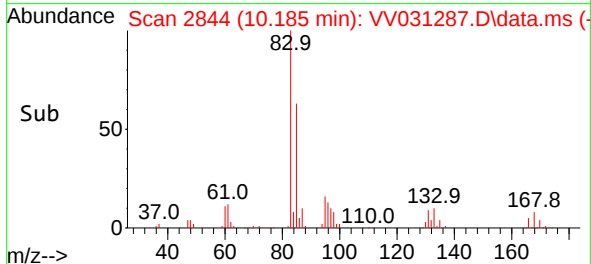
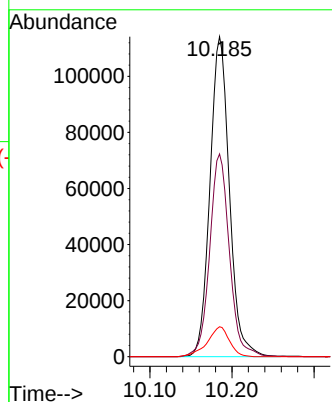
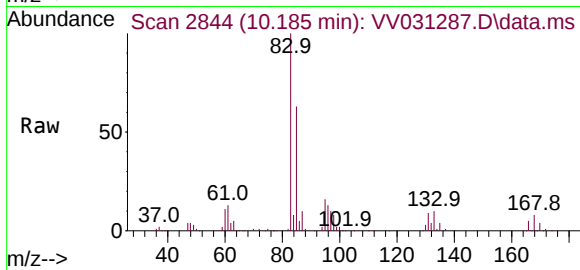




#57
1,1,2,2-Tetrachloroethane
Concen: 54.421 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VV031287.D
Acq: 31 May 2023 10:28

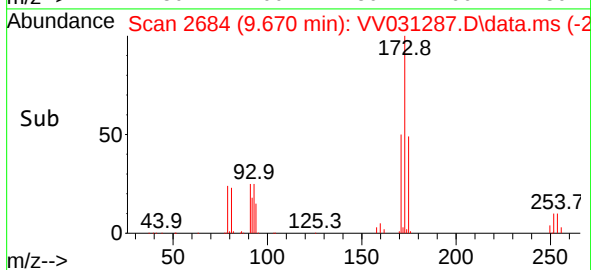
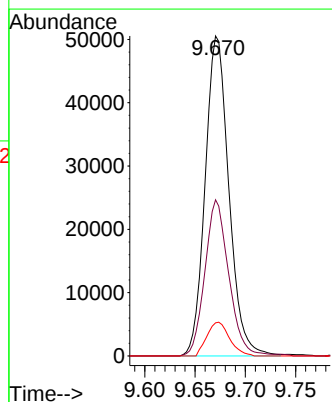
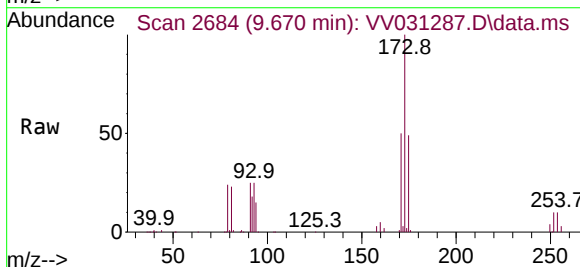
Instrument :
MSVOA_V
ClientSampleId :

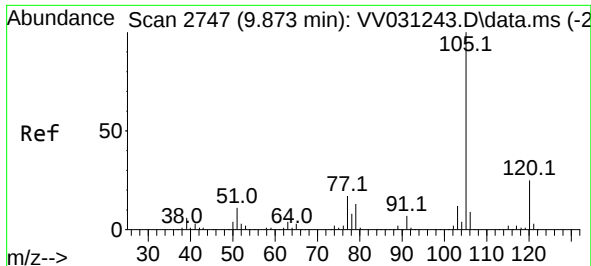
Tgt Ion: 83 Resp: 187314
Ion Ratio Lower Upper
83 100
85 63.3 45.0 83.6
131 9.4 9.2 13.8



#59
Bromoform
Concen: 43.812 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. -0.000 min
Lab File: VV031287.D
Acq: 31 May 2023 10:28

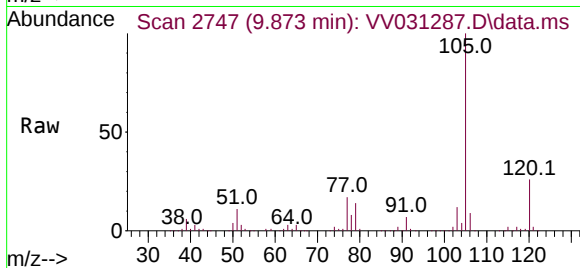
Tgt Ion: 173 Resp: 83073
Ion Ratio Lower Upper
173 100
175 49.0 38.8 58.2
254 10.1 8.8 13.2



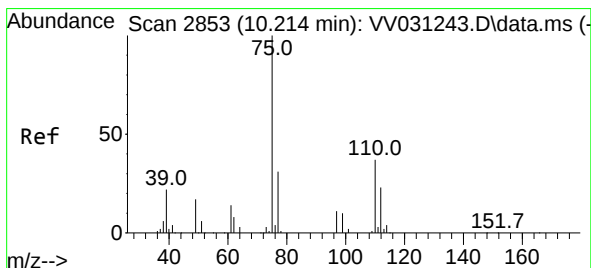
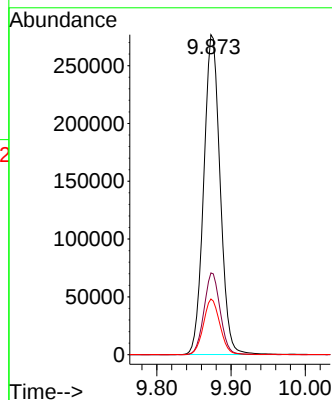
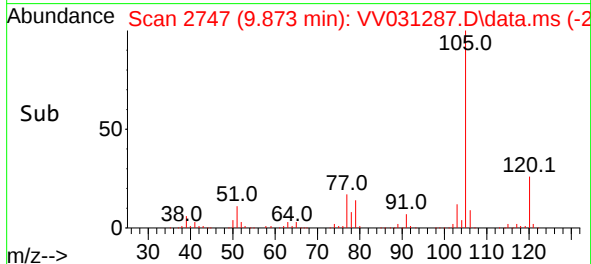


#60
Isopropylbenzene
Concen: 48.496 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031287.D
Acq: 31 May 2023 10:28

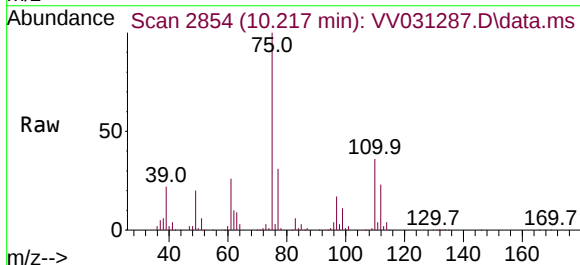
Instrument :
MSVOA_V
ClientSampleId :



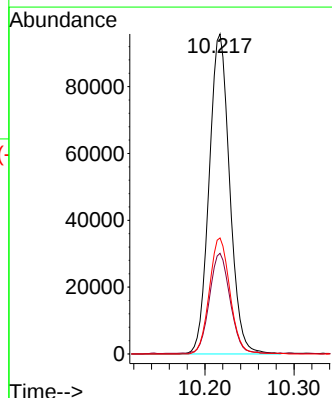
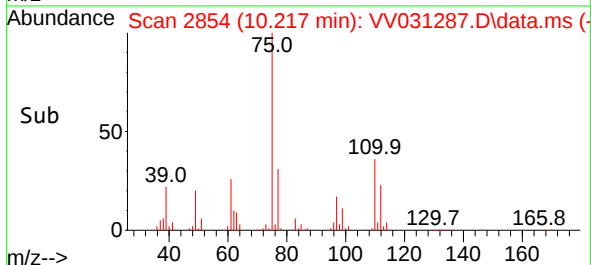
Tgt Ion:105 Resp: 424126
Ion Ratio Lower Upper
105 100
120 25.2 21.4 32.0
77 17.6 13.0 19.6

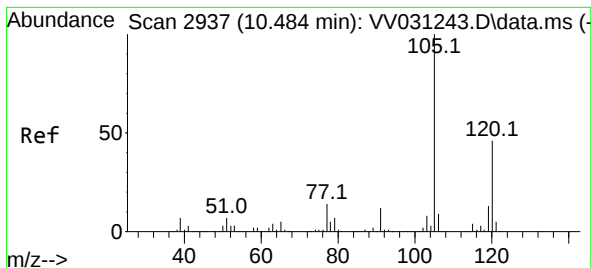


#61
1,2,3-Trichloropropane
Concen: 60.839 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.003 min
Lab File: VV031287.D
Acq: 31 May 2023 10:28



Tgt Ion: 75 Resp: 153050
Ion Ratio Lower Upper
75 100
77 31.6 25.5 38.3
110 36.3 32.5 48.7





#62

1,3,5-Trimethylbenzene

Concen: 48.065 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VV031287.D

Acq: 31 May 2023 10:28

Instrument :

MSVOA_V

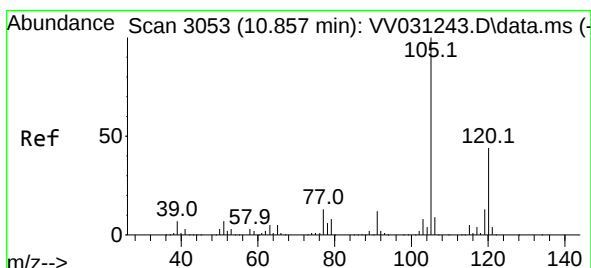
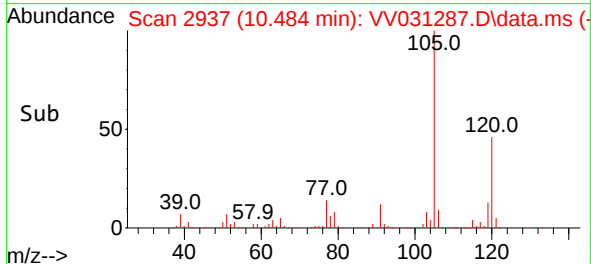
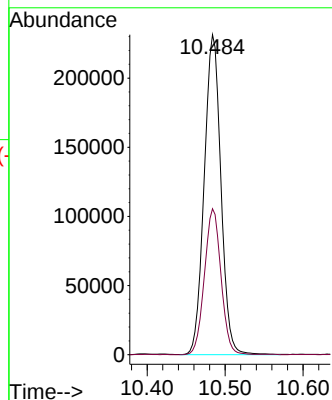
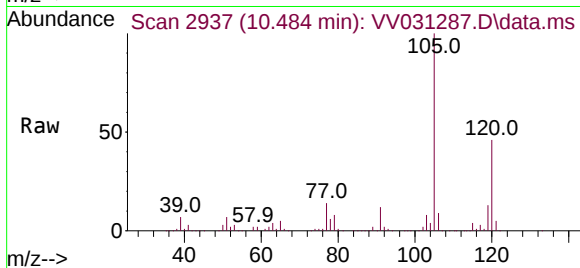
ClientSampleId :

Tgt Ion:105 Resp: 345523

Ion Ratio Lower Upper

105 100

120 45.1 40.5 60.7



#63

1,2,4-Trimethylbenzene

Concen: 49.781 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.003 min

Lab File: VV031287.D

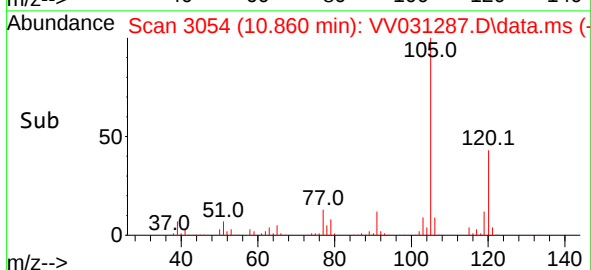
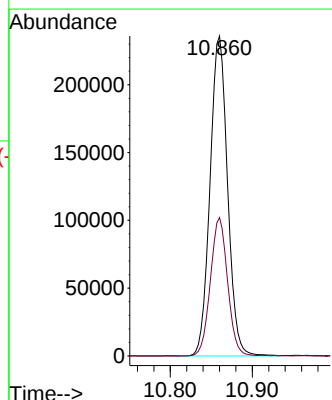
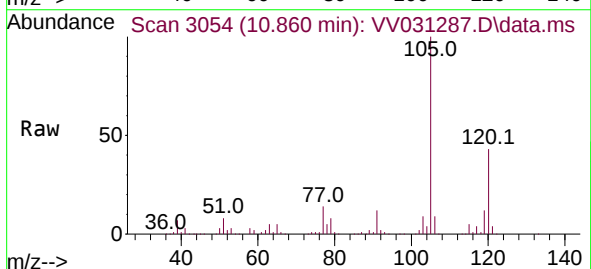
Acq: 31 May 2023 10:28

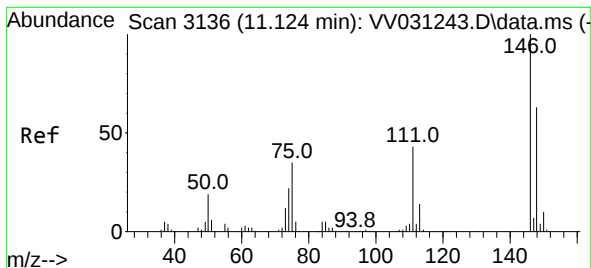
Tgt Ion:105 Resp: 349901

Ion Ratio Lower Upper

105 100

120 42.4 37.5 56.3





#64

1,3-Dichlorobenzene

Concen: 46.081 ug/L

RT: 11.124 min Scan# 3136

Delta R.T. -0.000 min

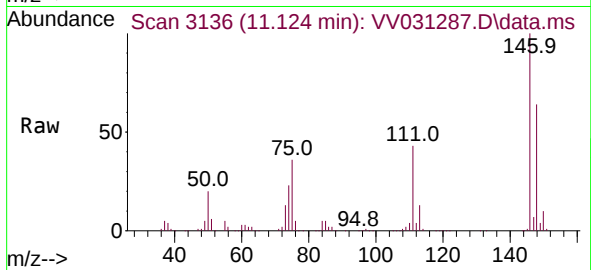
Lab File: VV031287.D

Acq: 31 May 2023 10:28

Instrument :

MSVOA_V

ClientSampleId :



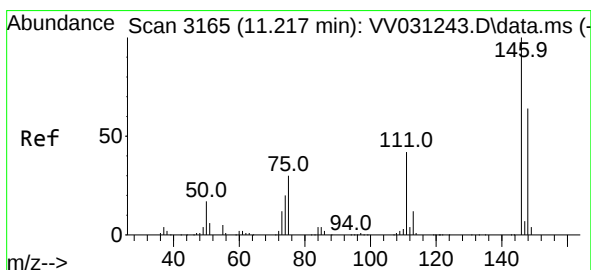
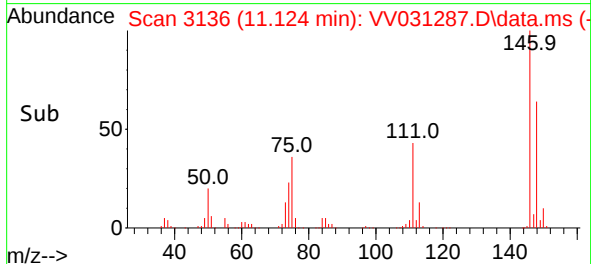
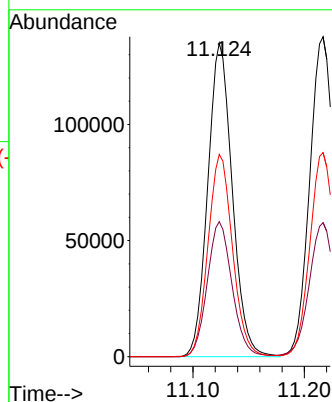
Tgt Ion:146 Resp: 206493

Ion Ratio Lower Upper

146 100

111 43.0 27.2 50.4

148 64.5 44.4 82.5



#65

1,4-Dichlorobenzene

Concen: 46.562 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. -0.000 min

Lab File: VV031287.D

Acq: 31 May 2023 10:28

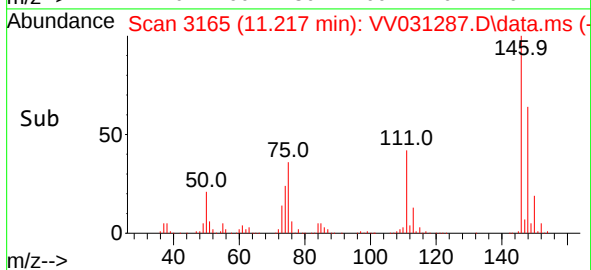
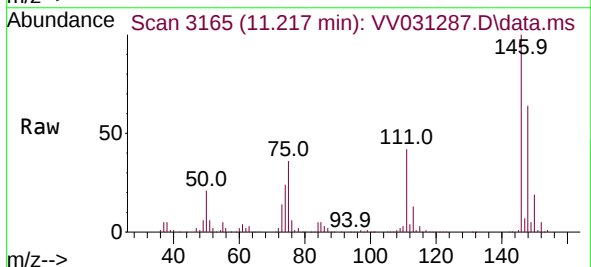
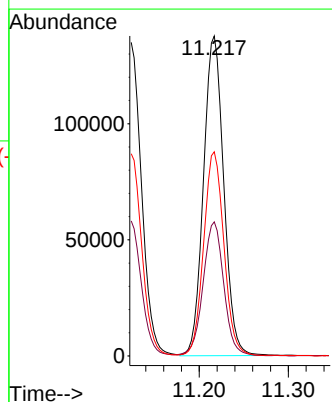
Tgt Ion:146 Resp: 217067

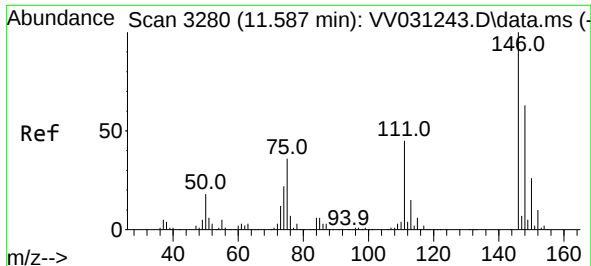
Ion Ratio Lower Upper

146 100

111 41.9 25.5 47.3

148 63.8 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 46.602 ug/L

RT: 11.587 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031287.D

Acq: 31 May 2023 10:28

Instrument :

MSVOA_V

ClientSampleId :

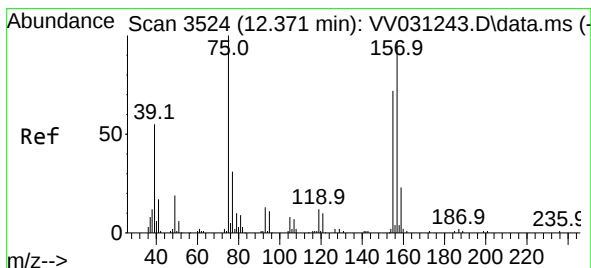
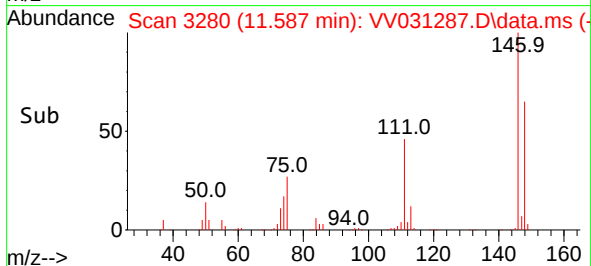
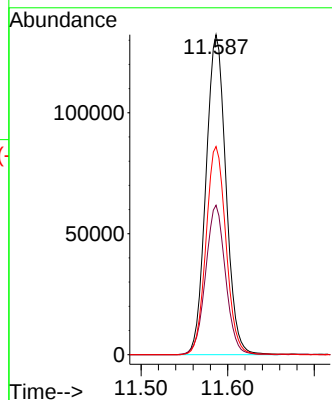
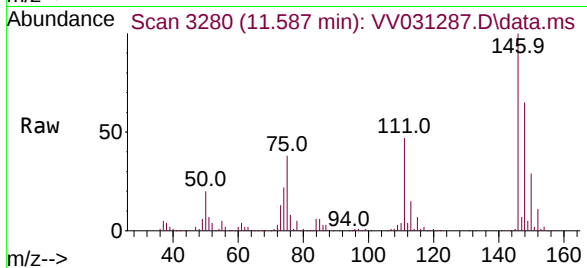
Tgt Ion:146 Resp: 211893

Ion Ratio Lower Upper

146 100

111 46.7 31.4 47.2

148 65.0 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 53.982 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. -0.000 min

Lab File: VV031287.D

Acq: 31 May 2023 10:28

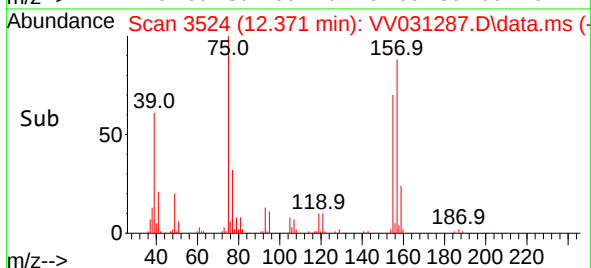
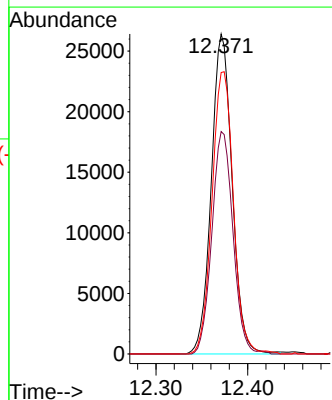
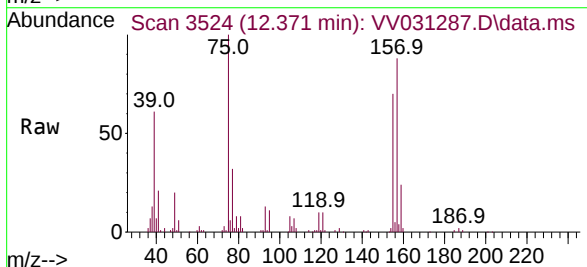
Tgt Ion: 75 Resp: 41686

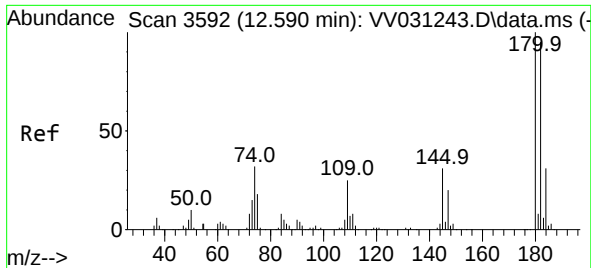
Ion Ratio Lower Upper

75 100

155 69.5 70.9 106.3#

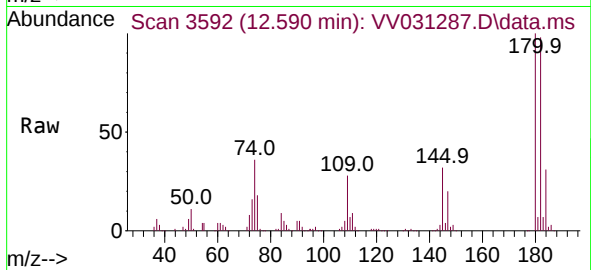
157 87.9 88.1 132.1#



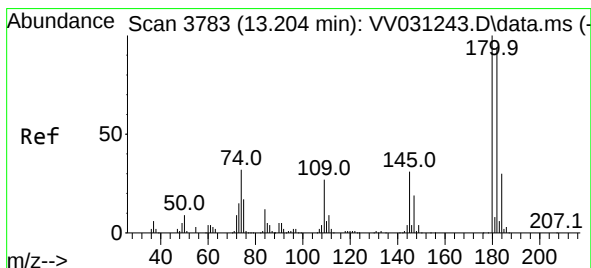
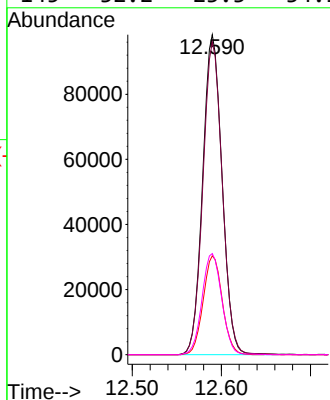
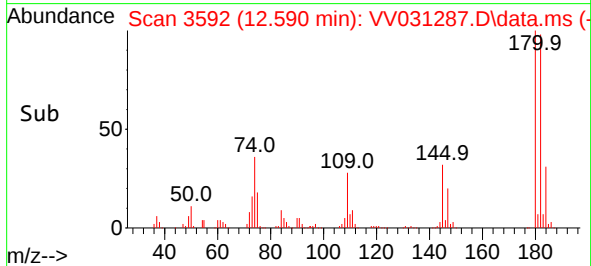


#69
 1,3,5-Trichlorobenzene
 Concen: 42.855 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. -0.000 min
 Lab File: VV031287.D
 Acq: 31 May 2023 10:28

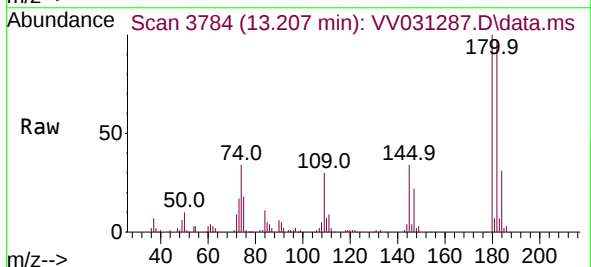
Instrument :
 MSVOA_V
 ClientSampleId :



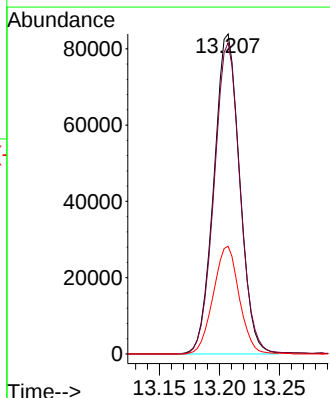
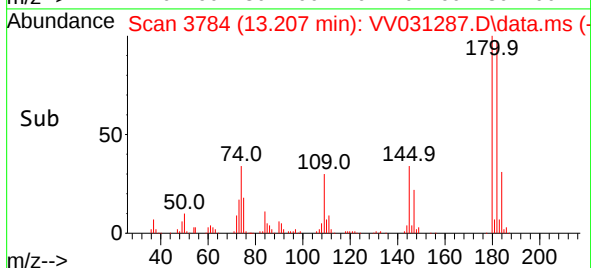
Tgt Ion:180 Resp: 148452
 Ion Ratio Lower Upper
 180 100
 182 97.7 76.6 115.0
 184 30.5 24.6 37.0
 145 32.2 23.3 34.9

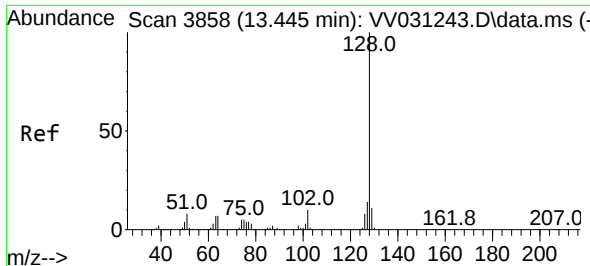


#70
 1,2,4-trichlorobenzene
 Concen: 42.607 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. 0.003 min
 Lab File: VV031287.D
 Acq: 31 May 2023 10:28



Tgt Ion:180 Resp: 125606
 Ion Ratio Lower Upper
 180 100
 182 97.4 75.4 113.2
 145 33.8 23.1 34.7

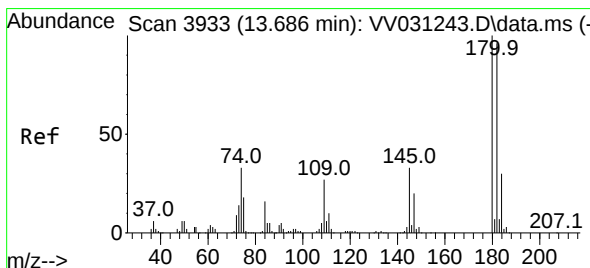
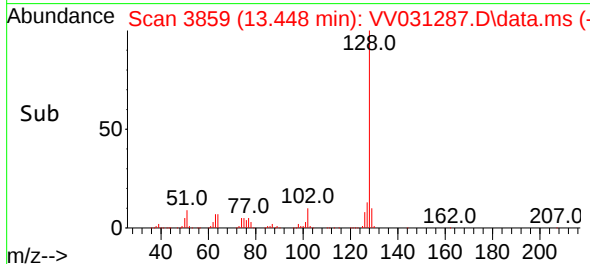
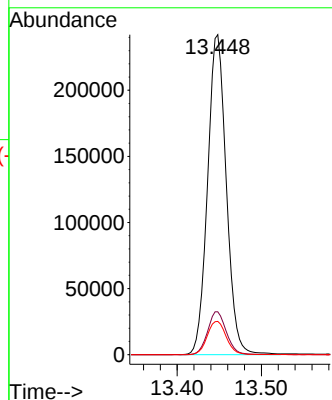
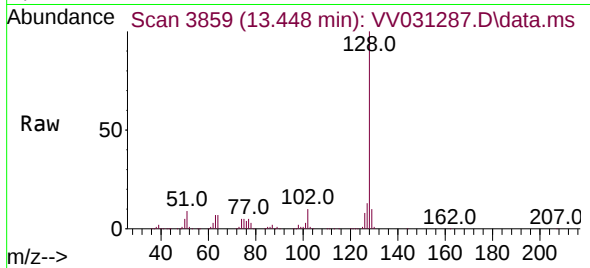




#71
Naphthalene
Concen: 48.903 ug/L
RT: 13.448 min Scan# 3858
Delta R.T. 0.003 min
Lab File: VV031287.D
Acq: 31 May 2023 10:28

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 374478
Ion Ratio Lower Upper
128 100
127 13.5 10.6 16.0
129 10.6 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 47.357 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. 0.003 min
Lab File: VV031287.D
Acq: 31 May 2023 10:28

Tgt Ion:180 Resp: 139511
Ion Ratio Lower Upper
180 100
182 96.7 75.4 113.0
145 33.6 24.2 36.4

