

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW053123\
 Data File : VW031309.D
 Acq On : 31 May 2023 20:15
 Operator : SY/MD
 Sample : 02961-11MS
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 01 02:01:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 01 01:56:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	268532	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	263101	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	146618	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	82975	36.156	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.320%
7) Chloroethane-d5	1.532	69	81206	45.933	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.860%
11) 1,1-Dichloroethene-d2	2.063	65	41839	38.878	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.760%
21) 2-Butanone-d5	3.796	46	151553	123.935	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	123.930%
24) Chloroform-d	4.259	84	179799	44.286	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.580%
26) 1,2-Dichloroethane-d4	4.950	65	125132	45.611	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.220%
32) Benzene-d6	4.966	84	324175	45.451	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.900%
36) 1,2-Dichloropropane-d6	5.995	67	119893	56.180	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.360%
41) Toluene-d8	7.249	98	312983	47.017	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.040%
43) trans-1,3-Dichloroprop...	7.558	79	53006	49.506	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.020%
47) 2-Hexanone-d5	8.034	63	98724	118.648	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.650%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	177869	55.569	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.140%
66) 1,2-Dichlorobenzene-d4	11.567	152	115432	43.812	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.620%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	71394	41.182	ug/L	97
3) Chloromethane	1.217	50	77953	41.072	ug/L	100
5) Vinyl chloride	1.285	62	84964	50.120	ug/L	98
6) Bromomethane	1.487	94	52552	55.315	ug/L	97
8) Chloroethane	1.552	64	60105	55.022	ug/L	98
9) Trichlorofluoromethane	1.716	101	145594	43.665	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	83571	47.528	ug/L	96
12) 1,1-Dichloroethene	2.072	96	65766	44.089	ug/L	97
13) Acetone	2.124	43	139260	87.598	ug/L	95
14) Carbon disulfide	2.243	76	125912	46.321	ug/L	99
15) Methyl Acetate	2.381	43	114343	63.284	ug/L	95
16) Methylene chloride	2.452	84	88471	53.276	ug/L	95
17) trans-1,2-Dichloroethene	2.699	96	63714	46.199	ug/L	92
18) Methyl tert-butyl Ether	2.712	73	274335	51.493	ug/L	95
19) 1,1-Dichloroethane	3.117	63	173873	55.321	ug/L	98
20) cis-1,2-Dichloroethene	3.825	96	80714	47.475	ug/L	90
22) 2-Butanone	3.883	43	166950	109.510	ug/L	97
23) Bromochloromethane	4.153	128	44150	47.256	ug/L	# 79
25) Chloroform	4.285	83	191033	54.409	ug/L	96

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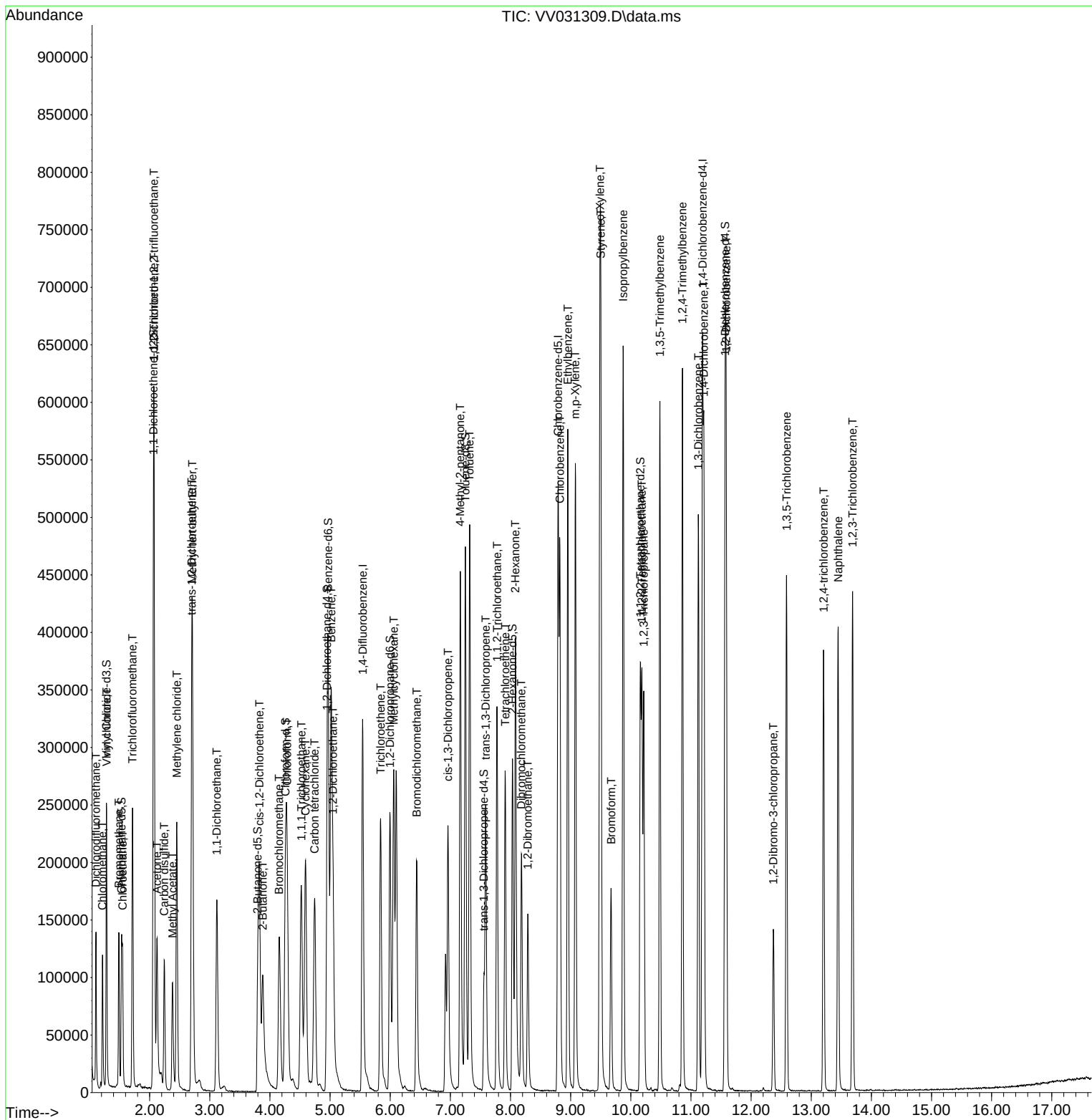
Instrument :
 MSVOA_V
 ClientSampleId :

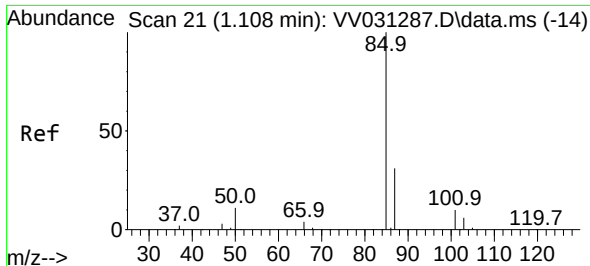
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 Quant Title : VOC Analysis
 QLast Update : Thu Jun 01 01:56:05 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	143389	48.134	ug/L	99
29) Cyclohexane	4.593	56	101585	49.067	ug/L	87
30) 1,1,1-Trichloroethane	4.523	97	149624	46.344	ug/L	99
31) Carbon tetrachloride	4.744	117	129999	46.220	ug/L	100
33) Benzene	5.018	78	328622	52.136	ug/L	100
34) Trichloroethene	5.841	95	91296	54.056	ug/L	91
35) Methylcyclohexane	6.059	83	101033	45.082	ug/L	89
38) Bromodichloromethane	6.442	83	146890	54.620	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	148042	55.339	ug/L	96
40) 4-Methyl-2-pentanone	7.166	43	332045	124.380	ug/L #	97
42) Toluene	7.320	91	355714	52.161	ug/L	96
44) trans-1,3-Dichloropropene	7.587	75	144728	53.479	ug/L	99
45) 1,1,2-Trichloroethane	7.776	97	104520	55.211	ug/L	96
46) Tetrachloroethene	7.912	164	61898	42.681	ug/L	93
48) 2-Hexanone	8.082	43	267923	120.495	ug/L	99
49) Dibromochloromethane	8.182	129	104723	49.029	ug/L	96
50) 1,2-Dibromoethane	8.288	107	102403	54.406	ug/L #	97
51) Chlorobenzene	8.821	112	227921	46.957	ug/L	93
52) Ethylbenzene	8.953	91	381479	48.858	ug/L	98
53) m,p-Xylene	9.079	106	137222	45.307	ug/L	88
54) o-Xylene	9.487	106	135735	45.429	ug/L	86
55) Styrene	9.503	104	259681	49.142	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.185	83	168304	54.108	ug/L	98
59) Bromoform	9.673	173	75391	44.346	ug/L	98
60) Isopropylbenzene	9.873	105	382478	48.777	ug/L	96
61) 1,2,3-Trichloropropane	10.217	75	141949	62.933	ug/L	96
62) 1,3,5-Trimethylbenzene	10.484	105	305855	47.453	ug/L	91
63) 1,2,4-Trimethylbenzene	10.860	105	310358	49.246	ug/L	94
64) 1,3-Dichlorobenzene	11.124	146	183173	45.590	ug/L	94
65) 1,4-Dichlorobenzene	11.217	146	192902	46.150	ug/L	96
67) 1,2-Dichlorobenzene	11.587	146	190618	46.757	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.371	75	36924	53.329	ug/L	86
69) 1,3,5-Trichlorobenzene	12.590	180	126862	40.845	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	107819	40.790	ug/L	99
71) Naphthalene	13.448	128	290460	42.305	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	119086	45.085	ug/L	97

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

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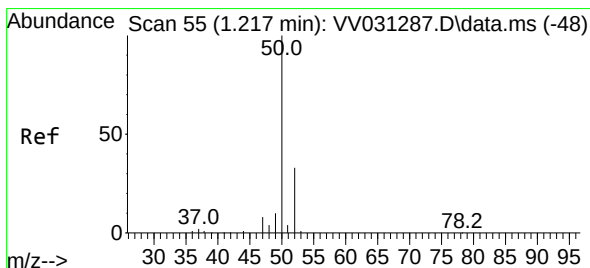
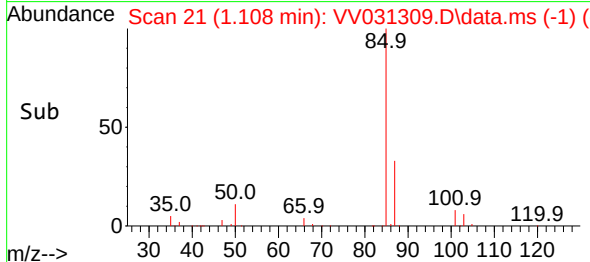
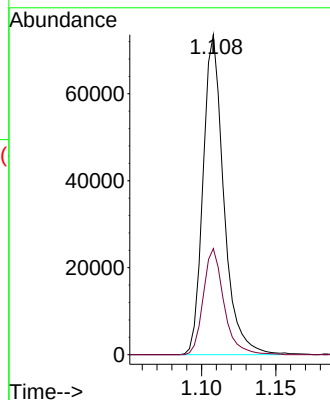
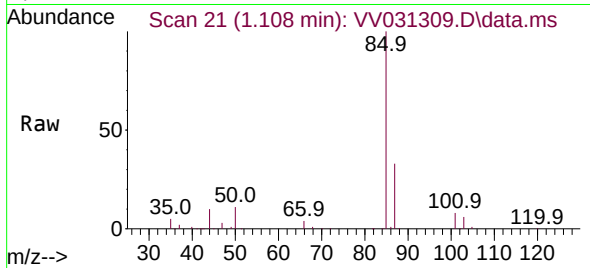




#2
 Dichlorodifluoromethane
 Concen: 41.182 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031309.D
 Acq: 31 May 2023 20:15

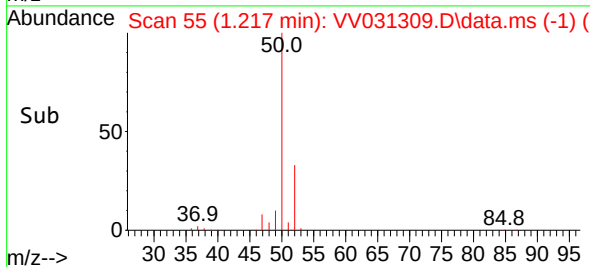
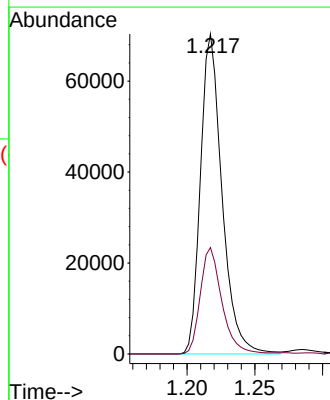
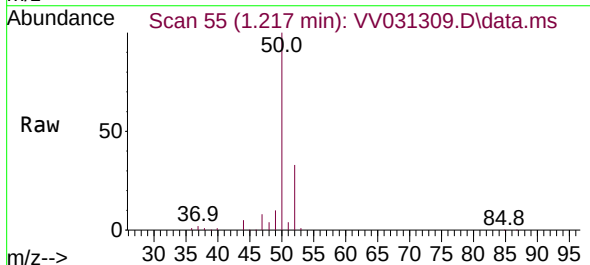
Instrument :
 MSVOA_V
 ClientSampleId :

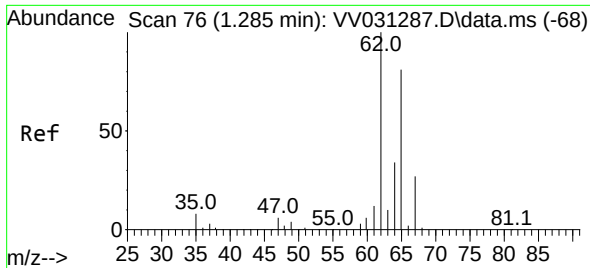
Tgt Ion: 85 Resp: 71394
 Ion Ratio Lower Upper
 85 100
 87 32.9 25.2 37.8



#3
 Chloromethane
 Concen: 41.072 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031309.D
 Acq: 31 May 2023 20:15

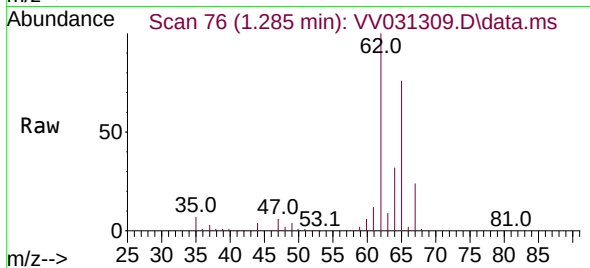
Tgt Ion: 50 Resp: 77953
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.3 43.3



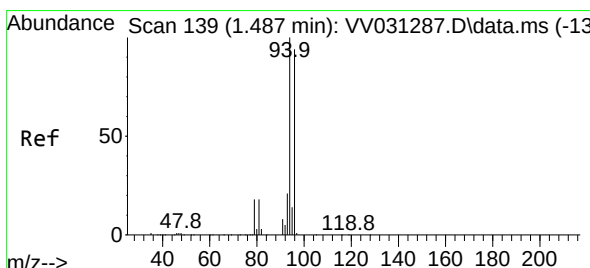
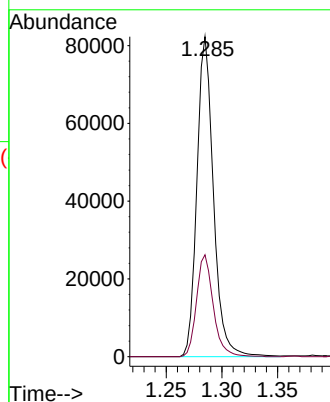
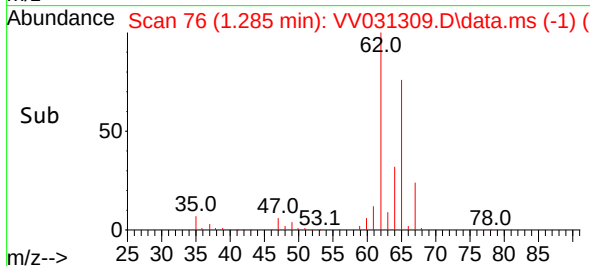


#5
 Vinyl chloride
 Concen: 50.120 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV031309.D
 Acq: 31 May 2023 20:15

Instrument :
 MSVOA_V
 ClientSampleId :

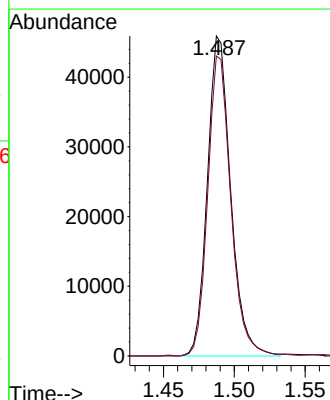
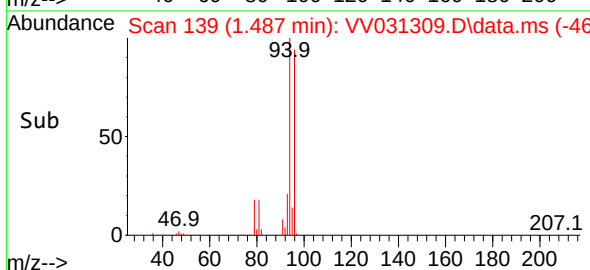
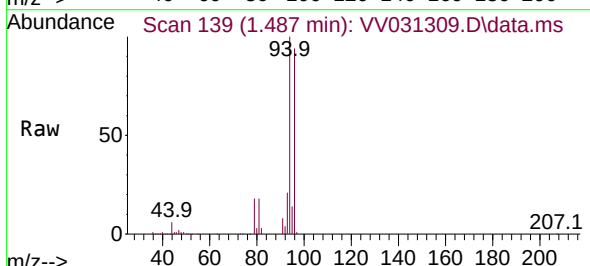


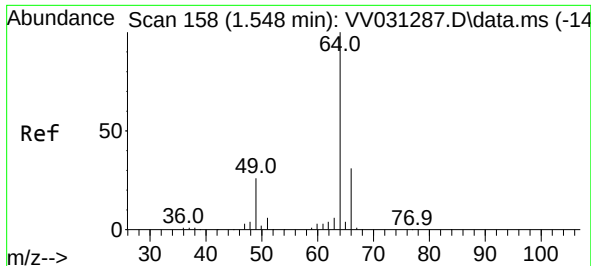
Tgt Ion: 62 Resp: 84964
 Ion Ratio Lower Upper
 62 100
 64 31.9 23.1 42.9



#6
 Bromomethane
 Concen: 55.315 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV031309.D
 Acq: 31 May 2023 20:15

Tgt Ion: 94 Resp: 52552
 Ion Ratio Lower Upper
 94 100
 96 93.8 63.9 118.7





#8

Chloroethane

Concen: 55.022 ug/L

RT: 1.552 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV031309.D

Acq: 31 May 2023 20:15

Instrument :

MSVOA_V

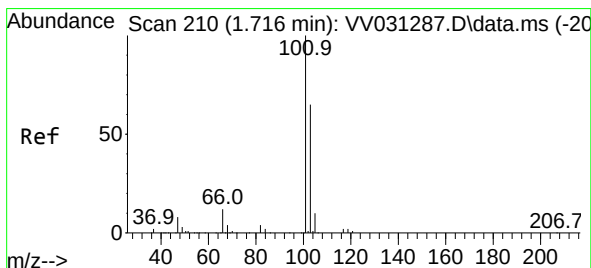
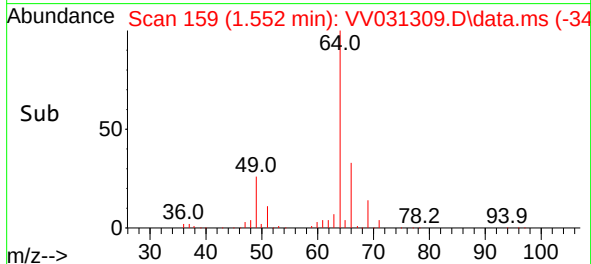
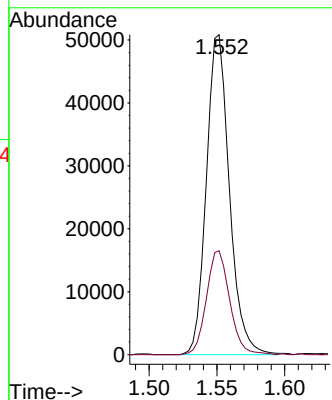
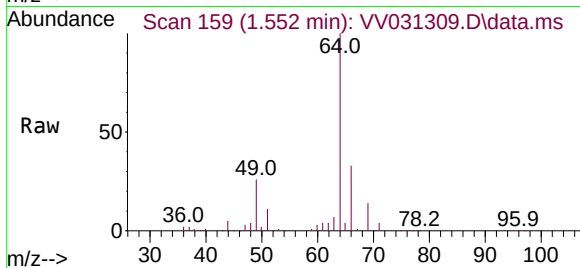
ClientSampleId :

Tgt Ion: 64 Resp: 60105

Ion Ratio Lower Upper

64 100

66 32.5 22.1 41.1



#9

Trichlorofluoromethane

Concen: 43.665 ug/L

RT: 1.716 min Scan# 210

Delta R.T. -0.000 min

Lab File: VV031309.D

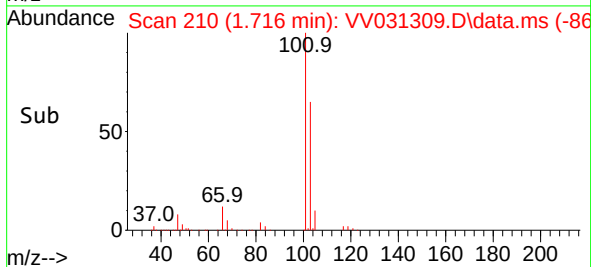
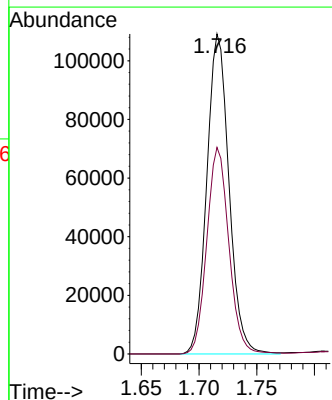
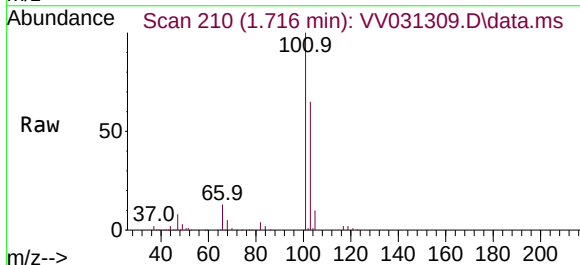
Acq: 31 May 2023 20:15

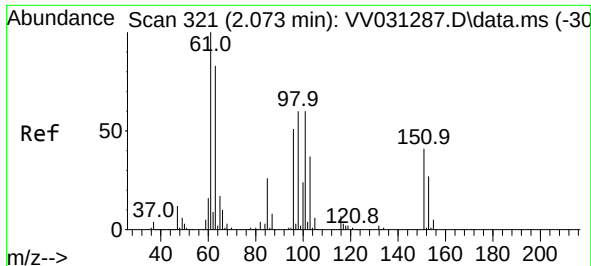
Tgt Ion:101 Resp: 145594

Ion Ratio Lower Upper

101 100

103 64.2 51.4 77.2





#10

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

Concen: 47.528 ug/L

RT: 2.072 min Scan# 321

Delta R.T. -0.000 min

Lab File: VV031309.D

Acq: 31 May 2023 20:15

Instrument :

MSVOA_V

ClientSampleId :

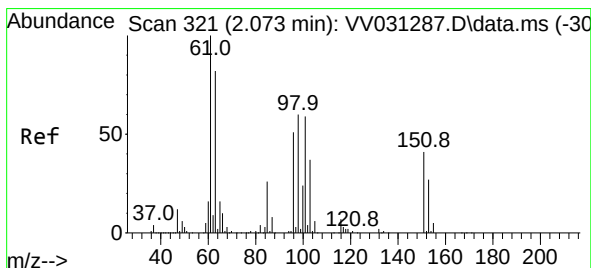
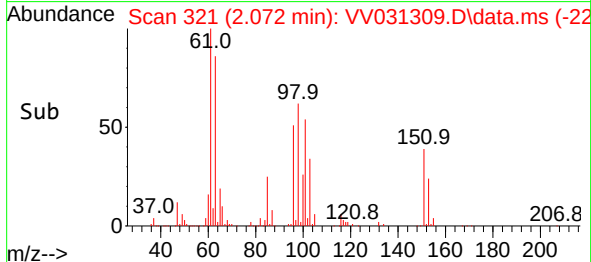
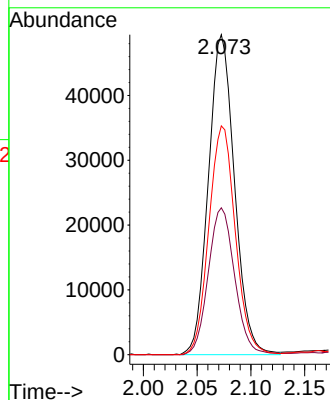
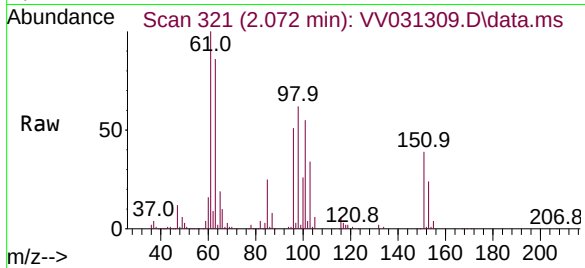
Tgt Ion:101 Resp: 83571

Ion Ratio Lower Upper

101 100

85 46.3 38.0 57.0

151 72.5 61.7 92.5



#12

1,1-Dichloroethene

Concen: 44.089 ug/L

RT: 2.072 min Scan# 321

Delta R.T. -0.000 min

Lab File: VV031309.D

Acq: 31 May 2023 20:15

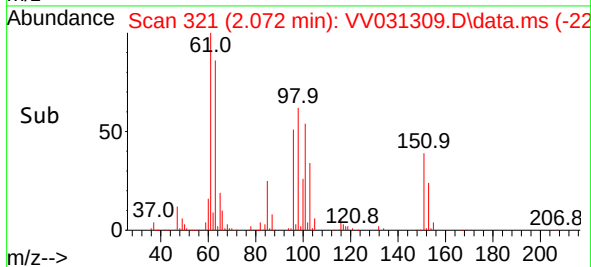
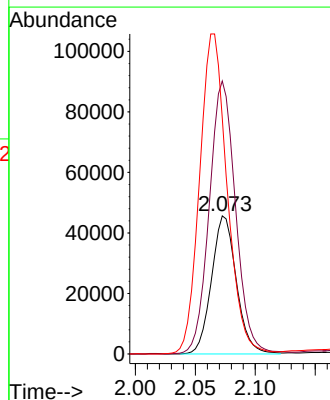
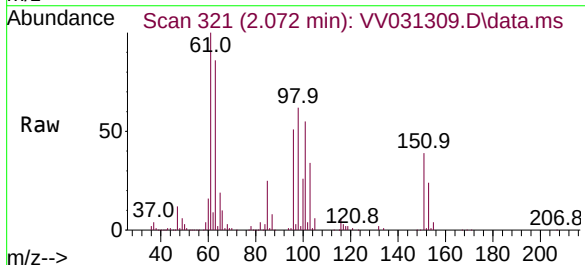
Tgt Ion: 96 Resp: 65766

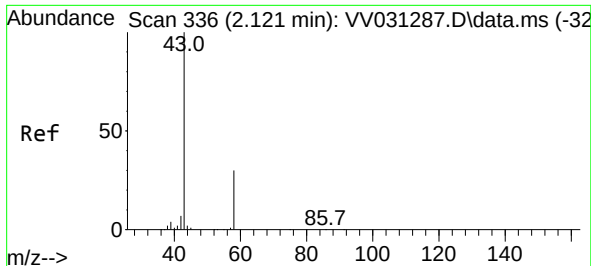
Ion Ratio Lower Upper

96 100

61 197.7 137.9 256.1

63 170.8 114.2 212.0





#13

Acetone

Concen: 87.598 ug/L

RT: 2.124 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV031309.D

Acq: 31 May 2023 20:15

Instrument :

MSVOA_V

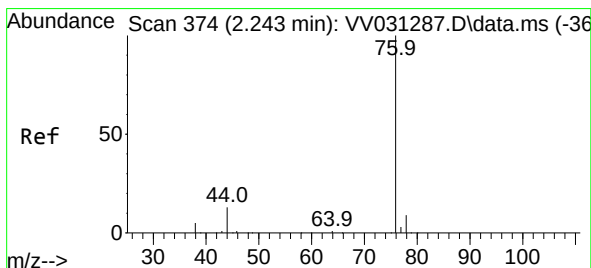
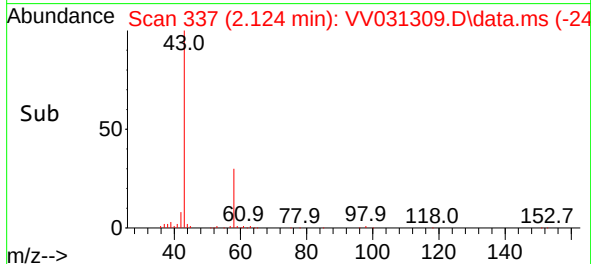
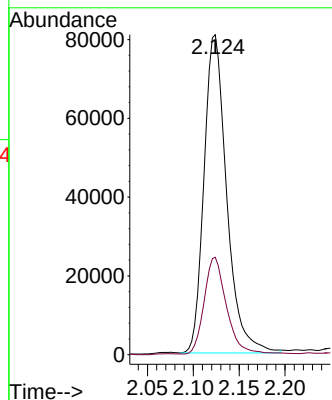
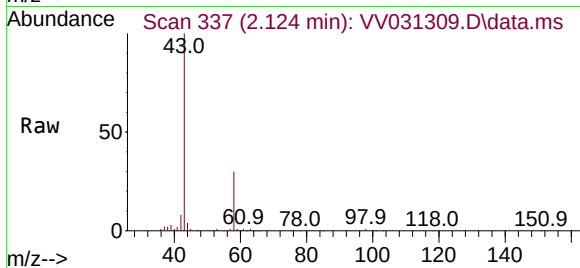
ClientSampleId :

Tgt Ion: 43 Resp: 139260

Ion Ratio Lower Upper

43 100

58 29.7 0.0 54.0



#14

Carbon disulfide

Concen: 46.321 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV031309.D

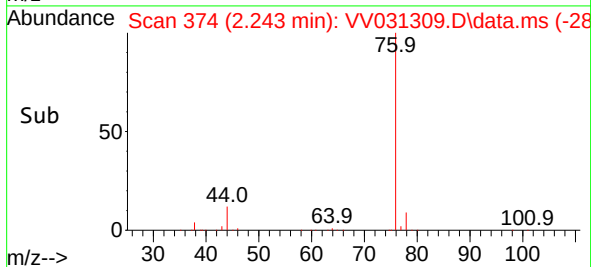
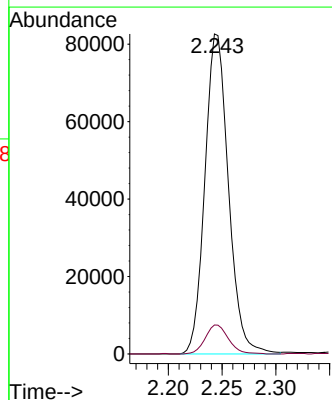
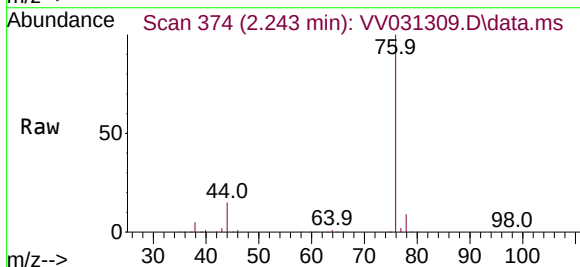
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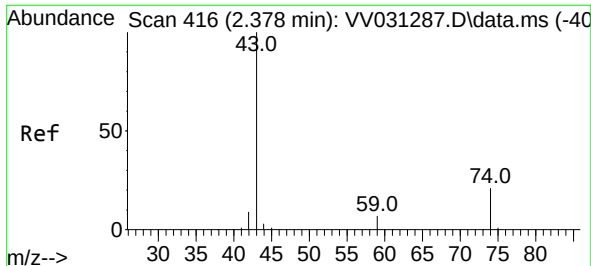
Tgt Ion: 76 Resp: 125912

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4

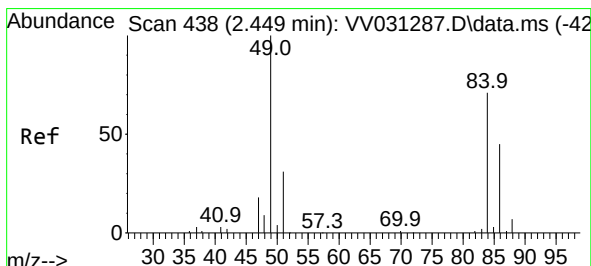
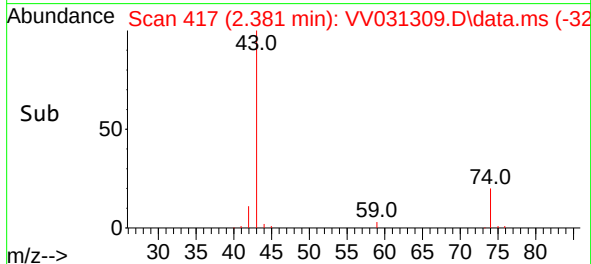
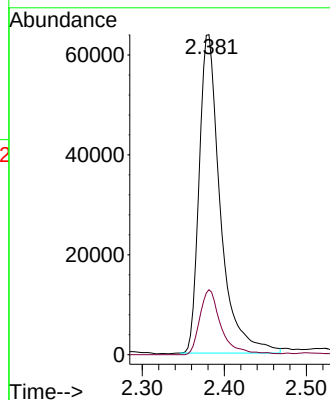
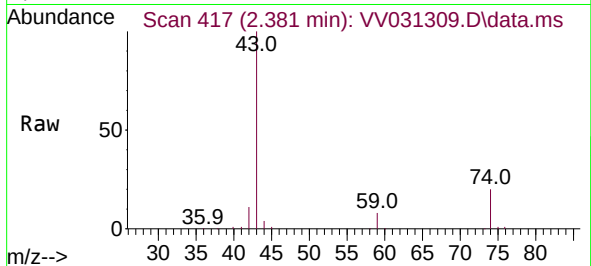




#15
Methyl Acetate
Concen: 63.284 ug/L
RT: 2.381 min Scan# 416
Delta R.T. 0.003 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15

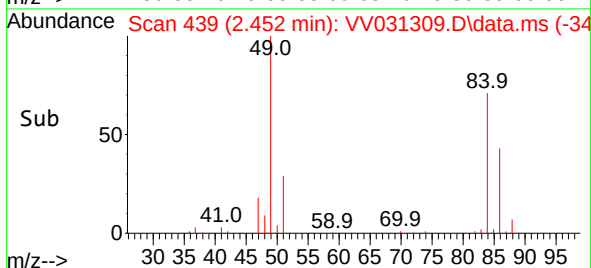
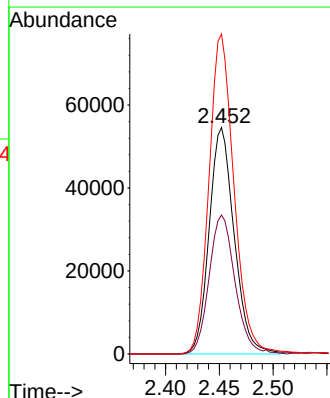
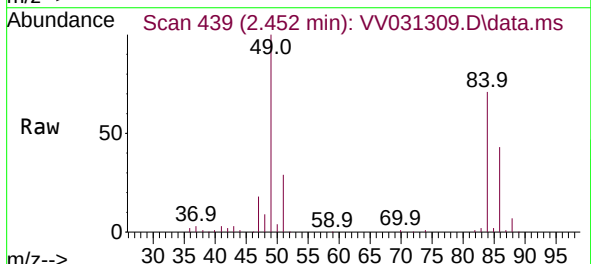
Instrument :
MSVOA_V
ClientSampleId :

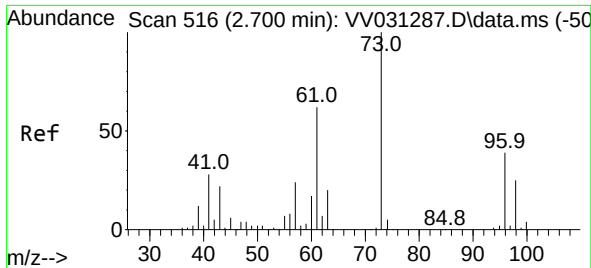
Tgt Ion: 43 Resp: 114343
Ion Ratio Lower Upper
43 100
74 20.0 18.1 27.1



#16
Methylene chloride
Concen: 53.276 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.003 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15

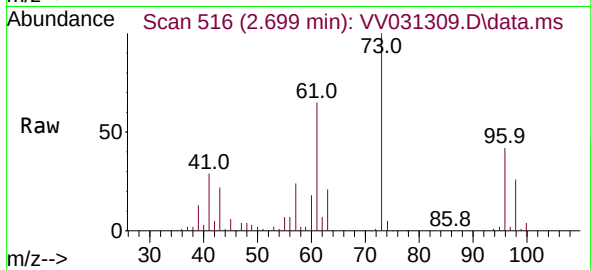
Tgt Ion: 84 Resp: 88471
Ion Ratio Lower Upper
84 100
86 61.3 43.3 80.3
49 141.3 92.6 172.0



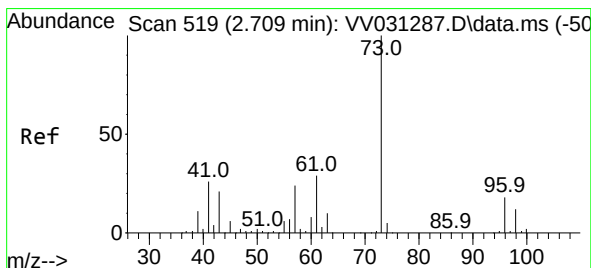
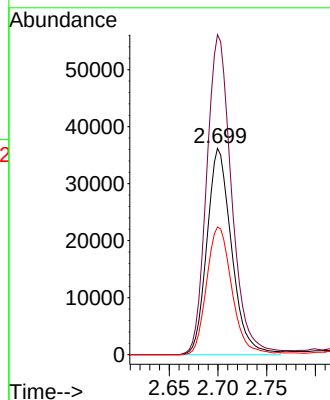
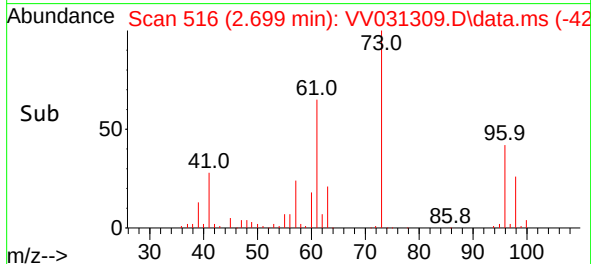


#17
trans-1,2-Dichloroethene
Concen: 46.199 ug/L
RT: 2.699 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15

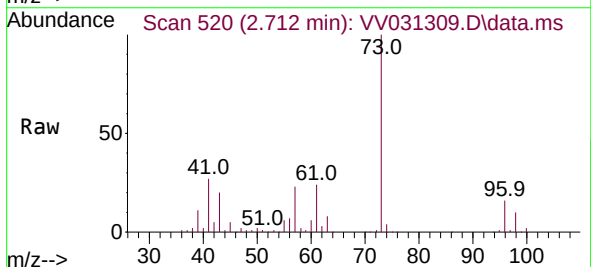
Instrument :
MSVOA_V
ClientSampleId :



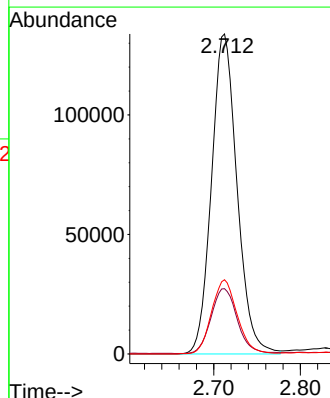
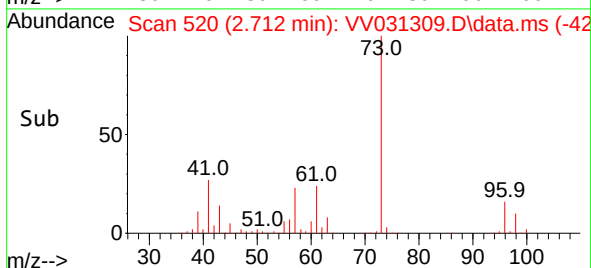
Tgt Ion: 96 Resp: 63714
Ion Ratio Lower Upper
96 100
61 155.0 100.0 185.6
98 61.9 45.4 84.2

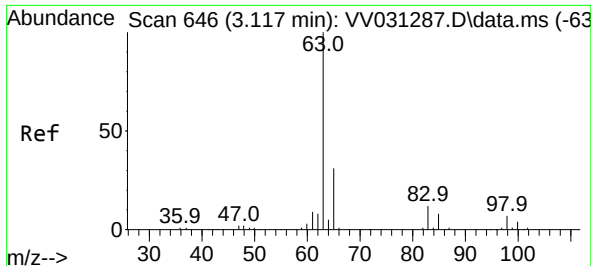


#18
Methyl tert-butyl Ether
Concen: 51.493 ug/L
RT: 2.712 min Scan# 520
Delta R.T. 0.003 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15



Tgt Ion: 73 Resp: 274335
Ion Ratio Lower Upper
73 100
43 20.9 19.4 29.2
57 23.0 17.1 25.7





#19

1,1-Dichloroethane

Concen: 55.321 ug/L

RT: 3.117 min Scan# 646

Delta R.T. 0.000 min

Lab File: VV031309.D

Acq: 31 May 2023 20:15

Instrument :

MSVOA_V

ClientSampleId :

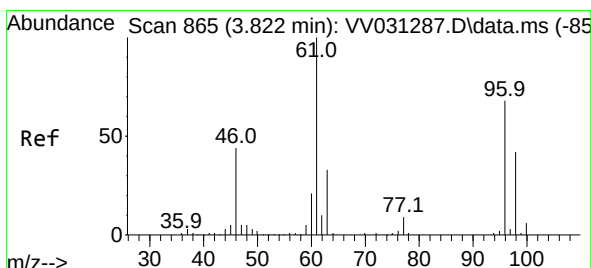
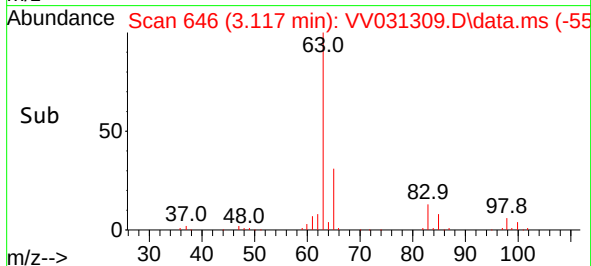
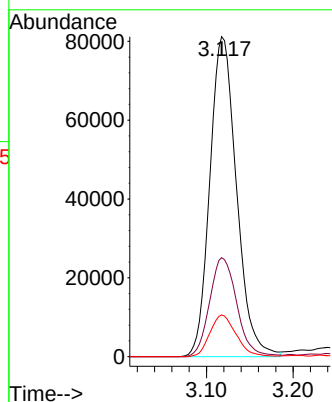
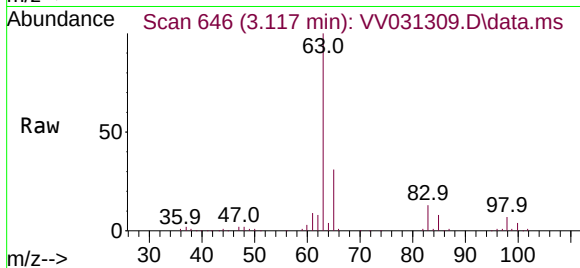
Tgt Ion: 63 Resp: 173873

Ion Ratio Lower Upper

63 100

65 31.0 21.9 40.7

83 13.0 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 47.475 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.003 min

Lab File: VV031309.D

Acq: 31 May 2023 20:15

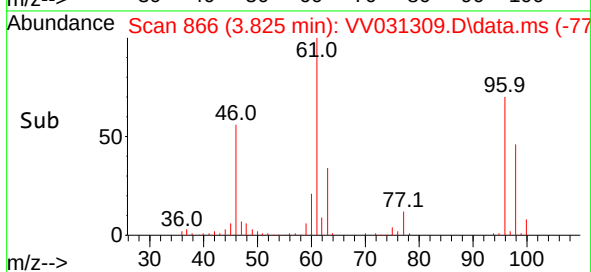
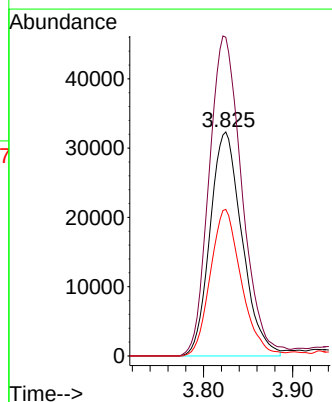
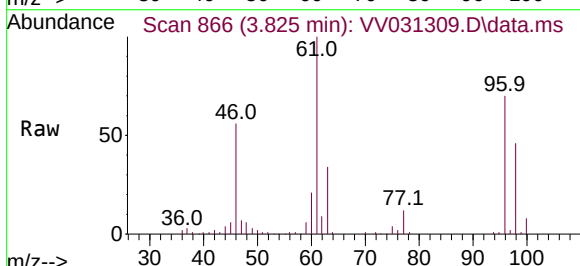
Tgt Ion: 96 Resp: 80714

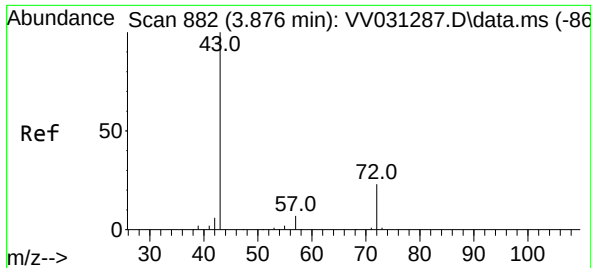
Ion Ratio Lower Upper

96 100

61 142.2 89.2 165.6

98 65.4 43.0 80.0

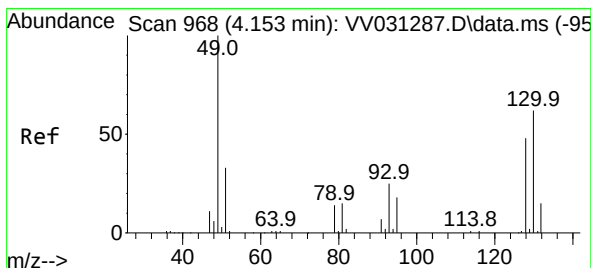
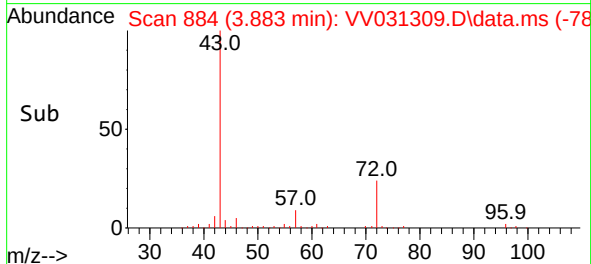
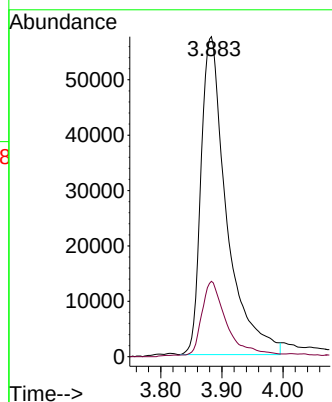
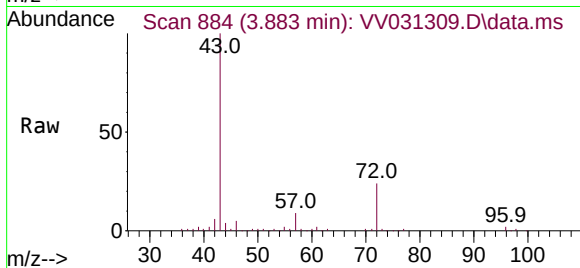




#22
2-Butanone
Concen: 109.510 ug/L
RT: 3.883 min Scan# 882
Delta R.T. 0.006 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15

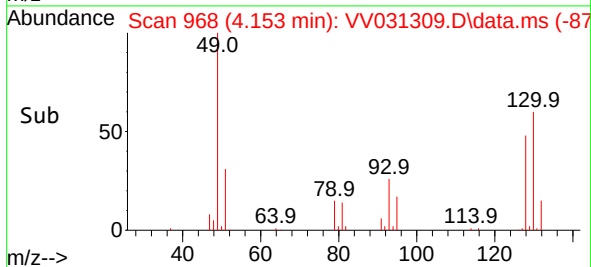
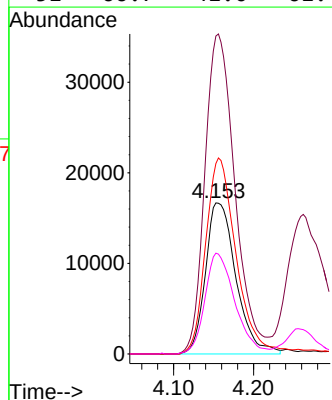
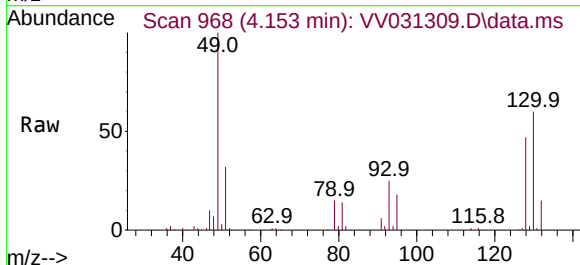
Instrument :
MSVOA_V
ClientSampleId :

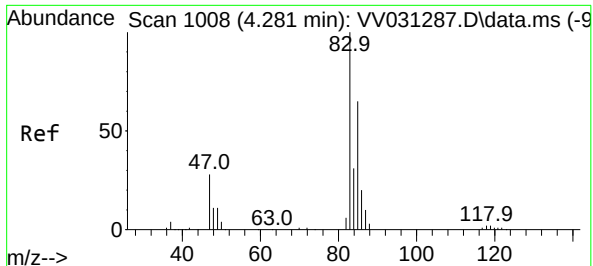
Tgt Ion: 43 Resp: 166950
Ion Ratio Lower Upper
43 100
72 22.3 11.9 35.7



#23
Bromochloromethane
Concen: 47.256 ug/L
RT: 4.153 min Scan# 968
Delta R.T. -0.000 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15

Tgt Ion:128 Resp: 44150
Ion Ratio Lower Upper
128 100
49 210.6 113.2 210.2#
130 126.1 87.5 162.5
51 66.7 41.0 61.4#

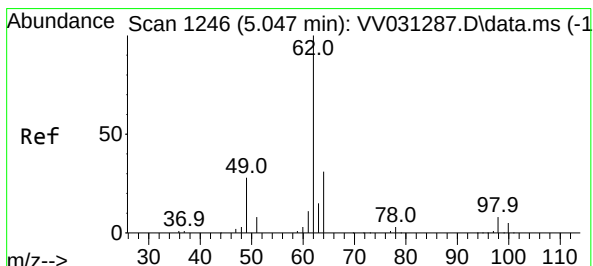
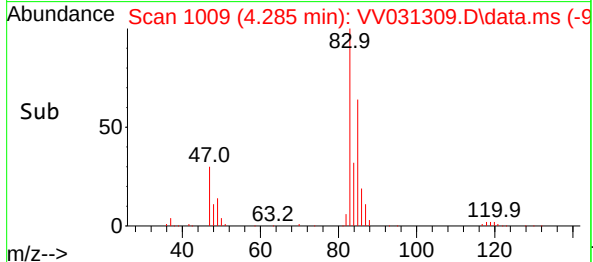
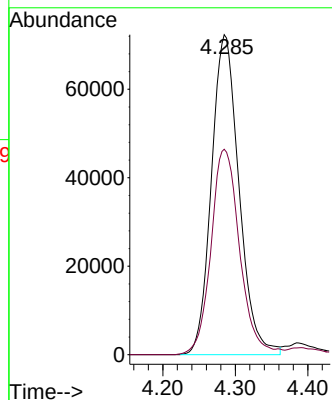
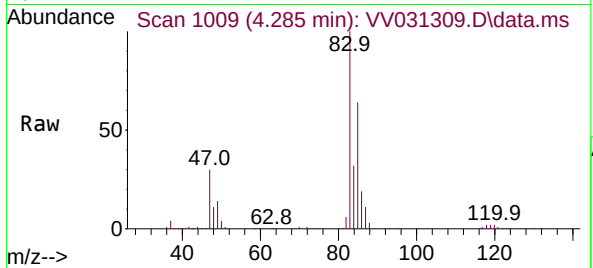




#25
Chloroform
Concen: 54.409 ug/L
RT: 4.285 min Scan# 1008
Delta R.T. 0.003 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15

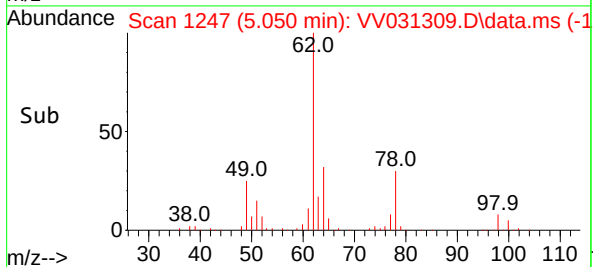
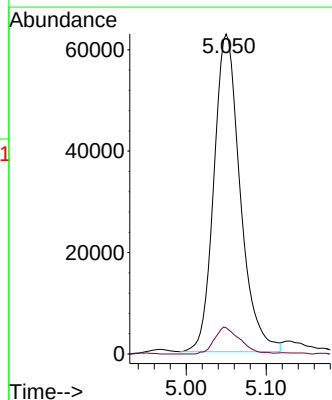
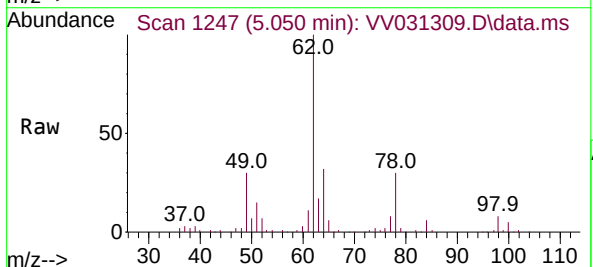
Instrument :
MSVOA_V
ClientSampleId :

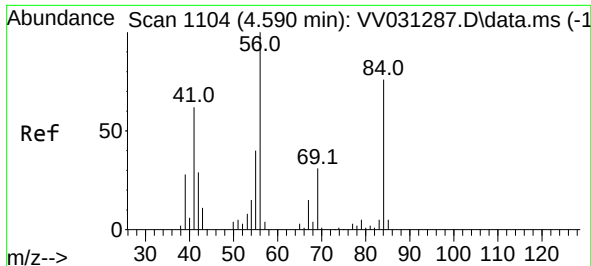
Tgt Ion: 83 Resp: 191033
Ion Ratio Lower Upper
83 100
85 64.2 47.3 87.9



#27
1,2-Dichloroethane
Concen: 48.134 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. 0.003 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15

Tgt Ion: 62 Resp: 143389
Ion Ratio Lower Upper
62 100
98 8.2 6.3 9.5





#29

Cyclohexane

Concen: 49.067 ug/L

RT: 4.593 min Scan# 1104

Delta R.T. 0.003 min

Lab File: VV031309.D

Acq: 31 May 2023 20:15

Instrument :

MSVOA_V

ClientSampleId :

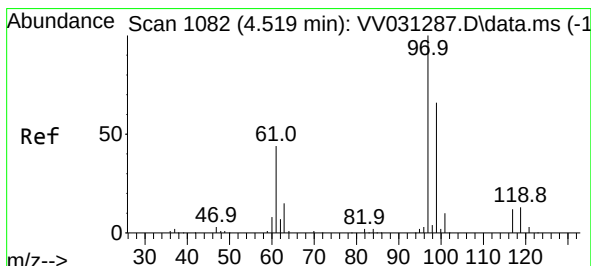
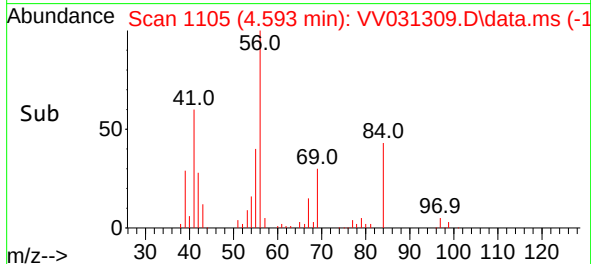
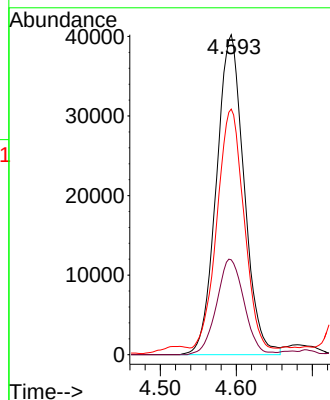
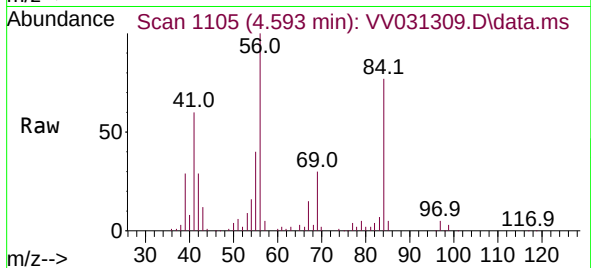
Tgt Ion: 56 Resp: 101585

Ion Ratio Lower Upper

56 100

69 29.5 25.1 37.7

84 73.5 71.5 107.3



#30

1,1,1-Trichloroethane

Concen: 46.344 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV031309.D

Acq: 31 May 2023 20:15

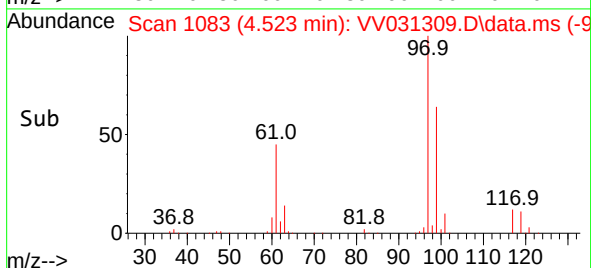
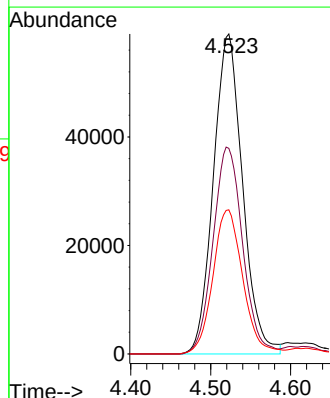
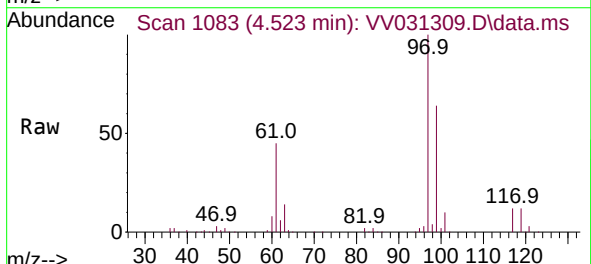
Tgt Ion: 97 Resp: 149624

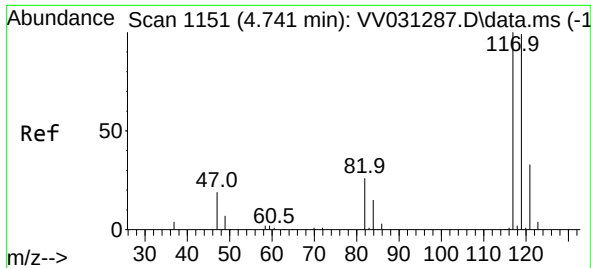
Ion Ratio Lower Upper

97 100

99 65.5 51.9 77.9

61 46.2 38.2 57.2

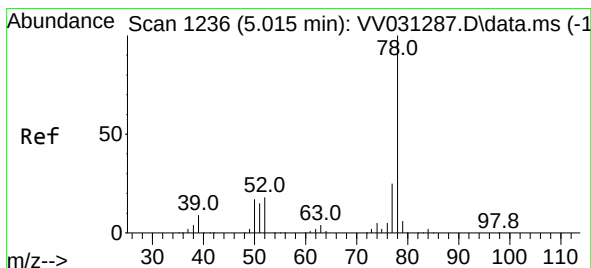
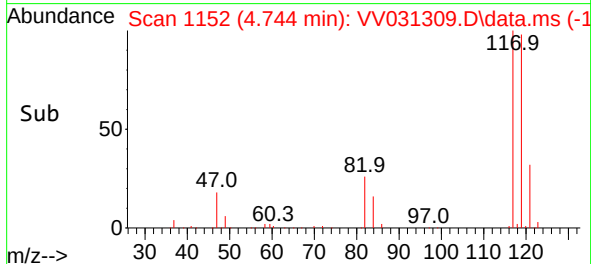
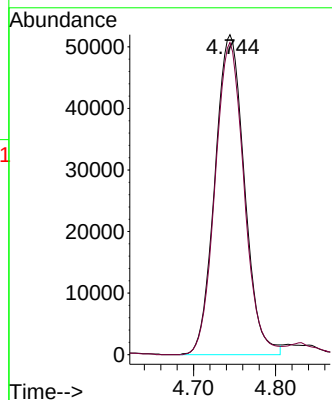
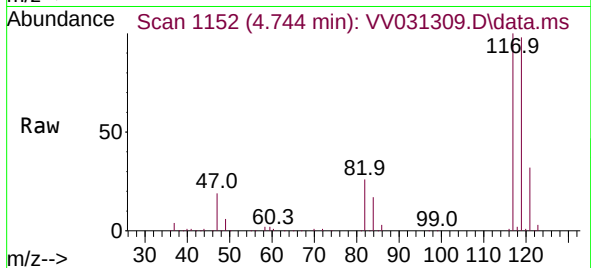




#31
Carbon tetrachloride
Concen: 46.220 ug/L
RT: 4.744 min Scan# 1151
Delta R.T. 0.003 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15

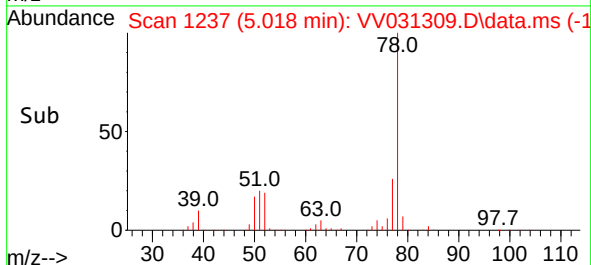
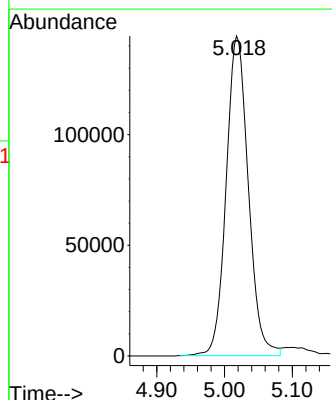
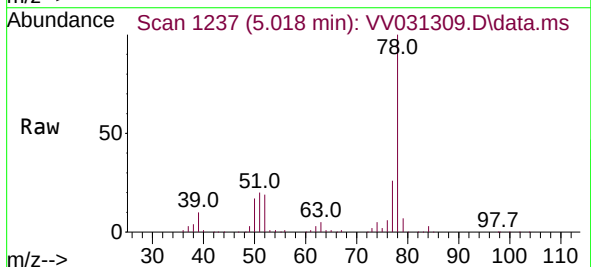
Instrument :
MSVOA_V
ClientSampleId :

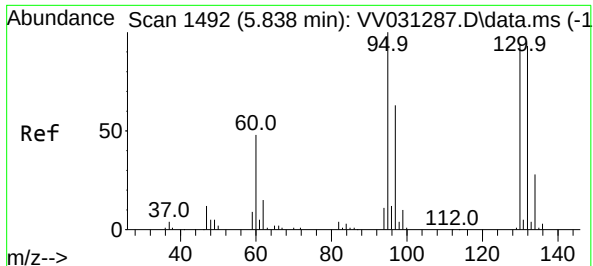
Tgt Ion:117 Resp: 129999
Ion Ratio Lower Upper
117 100
119 95.6 76.9 115.3



#33
Benzene
Concen: 52.136 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.003 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15

Tgt Ion: 78 Resp: 328622

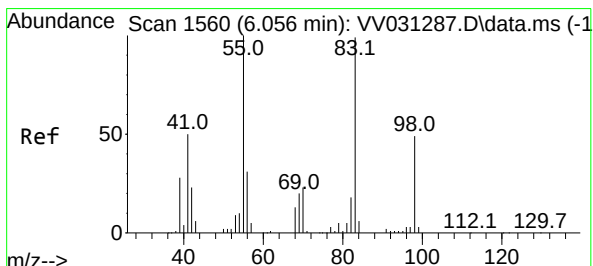
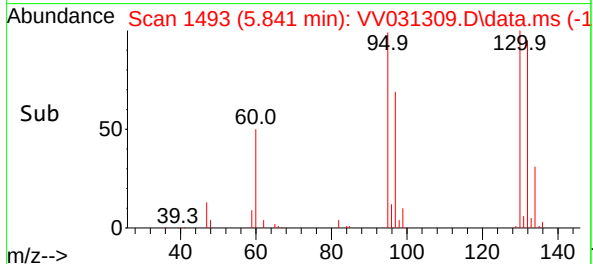
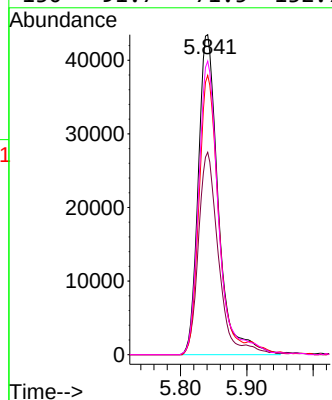
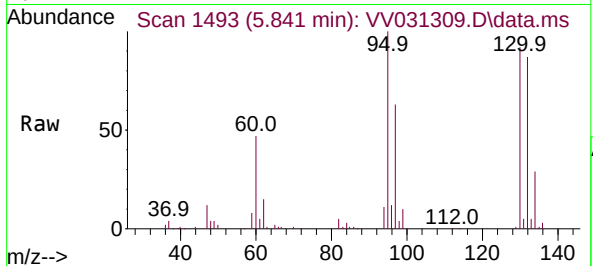




#34
Trichloroethene
Concen: 54.056 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15

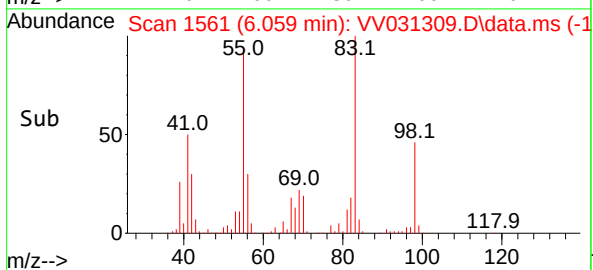
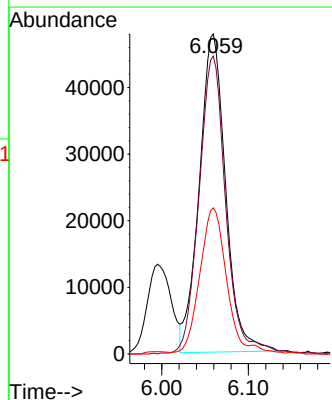
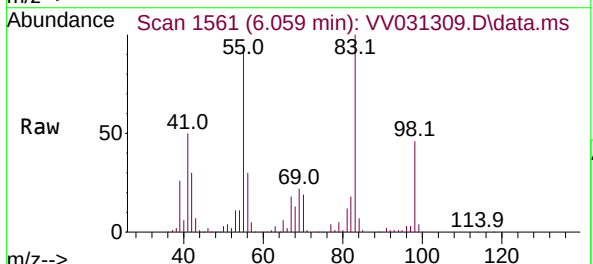
Instrument :
MSVOA_V
ClientSampleId :

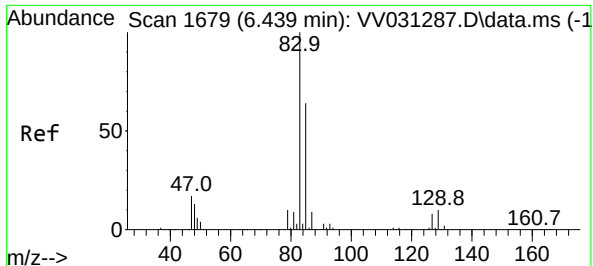
Tgt Ion: 95 Resp: 91296
Ion Ratio Lower Upper
95 100
97 63.2 44.4 82.5
132 87.3 70.2 130.4
130 91.7 71.5 132.7



#35
Methylcyclohexane
Concen: 45.082 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.003 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15

Tgt Ion: 83 Resp: 101033
Ion Ratio Lower Upper
83 100
55 91.9 64.2 96.2
98 44.4 40.0 60.0





#38

Bromodichloromethane

Concen: 54.620 ug/L

RT: 6.442 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV031309.D

Acq: 31 May 2023 20:15

Instrument :

MSVOA_V

ClientSampleId :

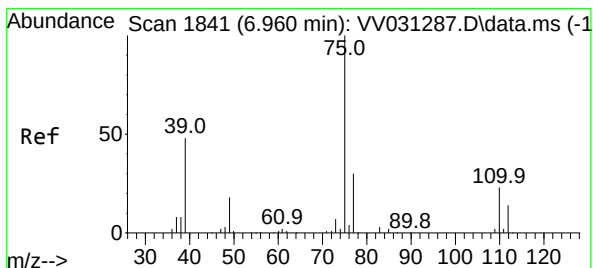
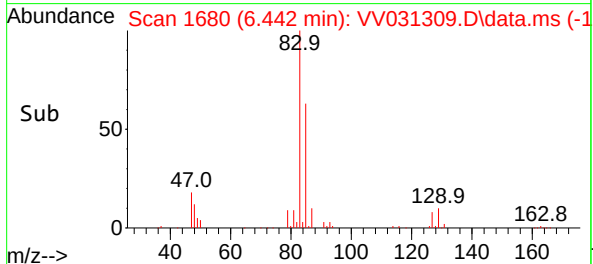
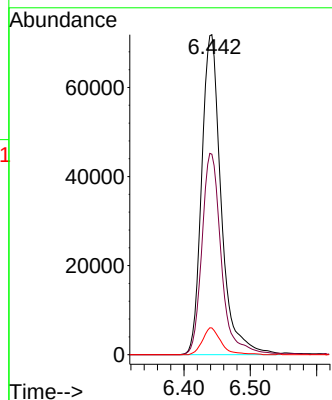
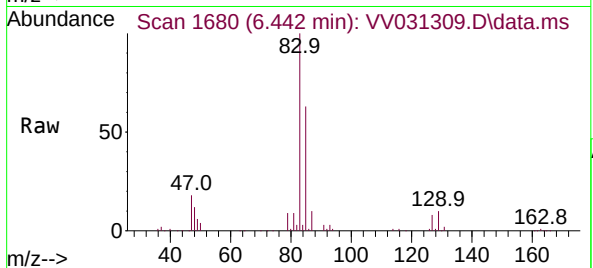
Tgt Ion: 83 Resp: 146890

Ion Ratio Lower Upper

83 100

85 62.6 44.0 81.6

127 8.3 6.9 10.3



#39

cis-1,3-Dichloropropene

Concen: 55.339 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV031309.D

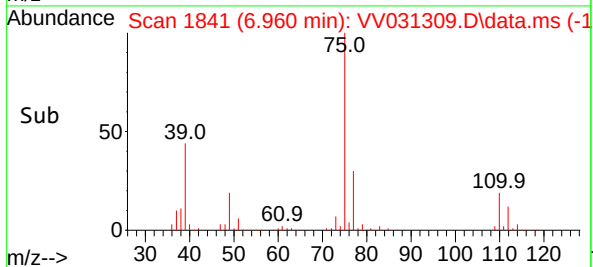
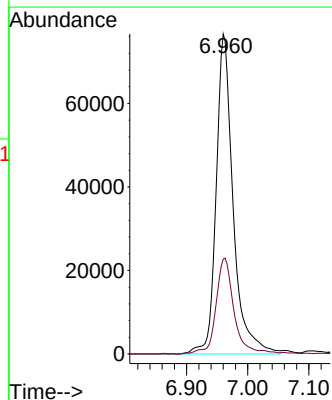
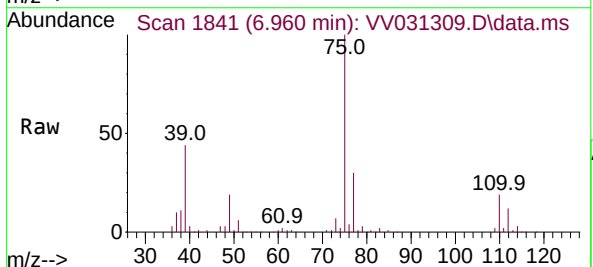
Acq: 31 May 2023 20:15

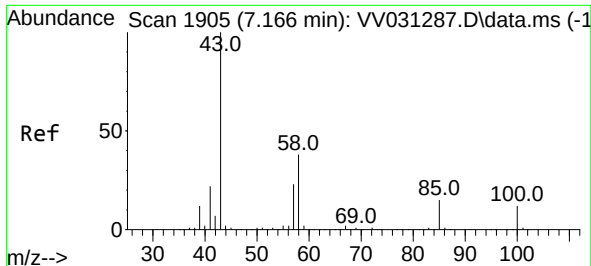
Tgt Ion: 75 Resp: 148042

Ion Ratio Lower Upper

75 100

77 29.7 22.3 41.3





#40

4-Methyl-2-pentanone

Concen: 124.380 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VV031309.D

Acq: 31 May 2023 20:15

Instrument :

MSVOA_V

ClientSampleId :

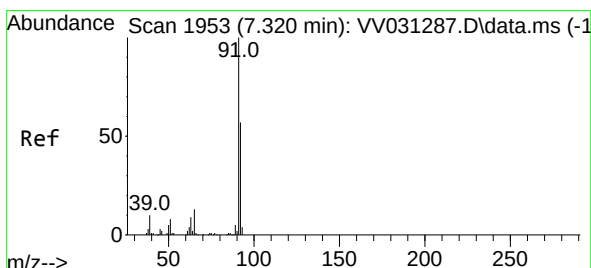
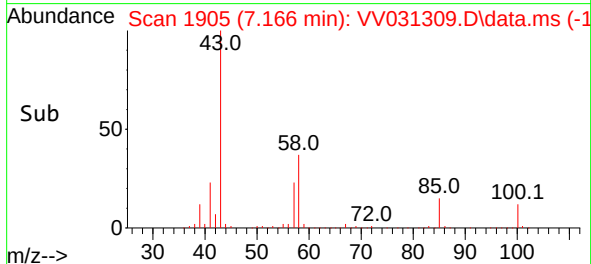
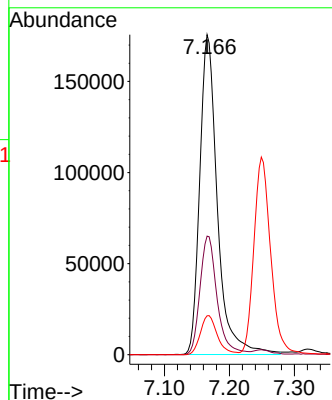
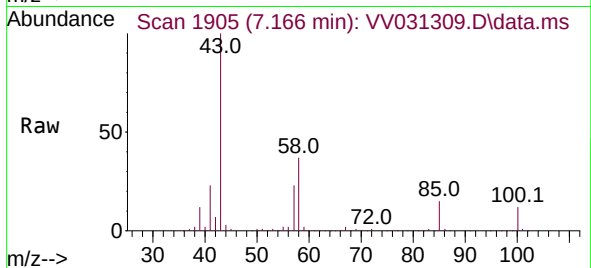
Tgt Ion: 43 Resp: 332045

Ion Ratio Lower Upper

43 100

58 36.1 29.0 43.4

100 11.9 12.2 18.4#



#42

Toluene

Concen: 52.161 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031309.D

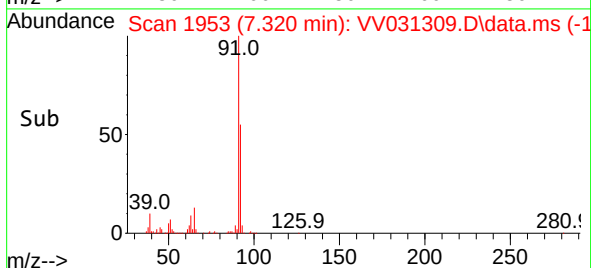
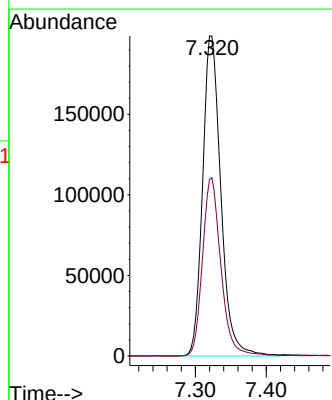
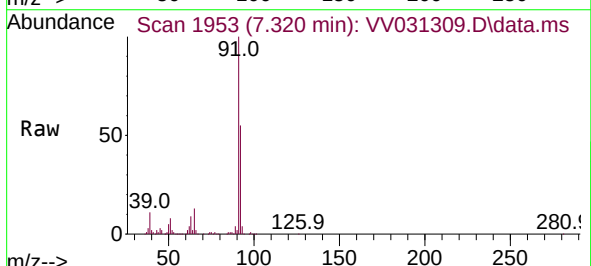
Acq: 31 May 2023 20:15

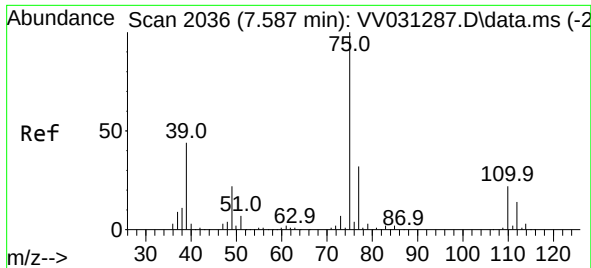
Tgt Ion: 91 Resp: 355714

Ion Ratio Lower Upper

91 100

92 55.2 40.9 76.0

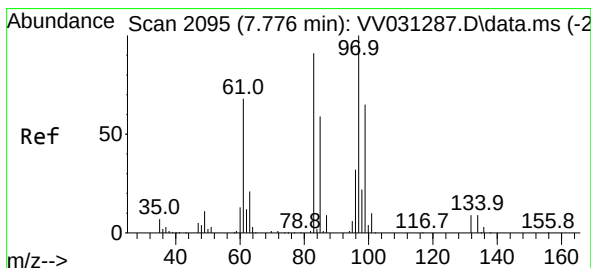
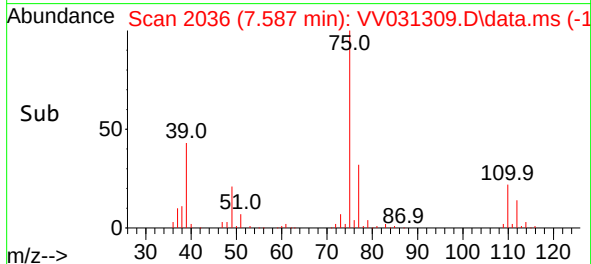
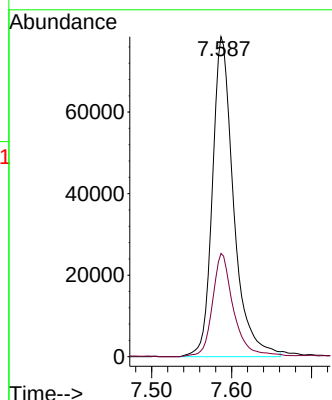
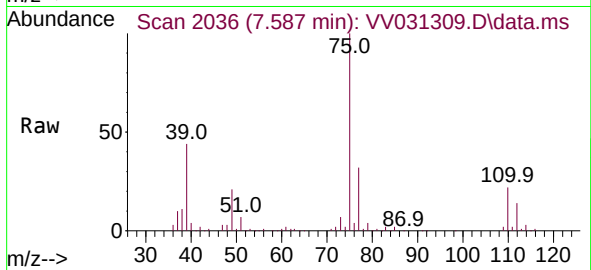




#44
trans-1,3-Dichloropropene
Concen: 53.479 ug/L
RT: 7.587 min Scan# 2036
Delta R.T. 0.000 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15

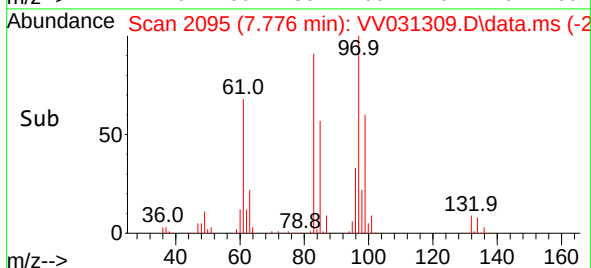
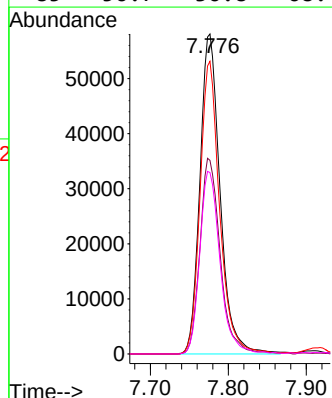
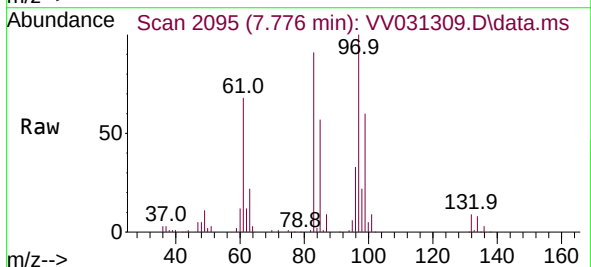
Instrument :
MSVOA_V
ClientSampleId :

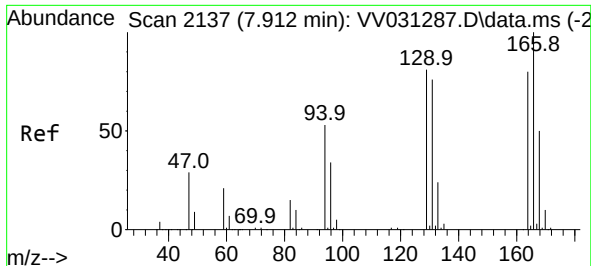
Tgt Ion: 75 Resp: 144728
Ion Ratio Lower Upper
75 100
77 32.2 22.2 41.2



#45
1,1,2-Trichloroethane
Concen: 55.211 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. -0.000 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15

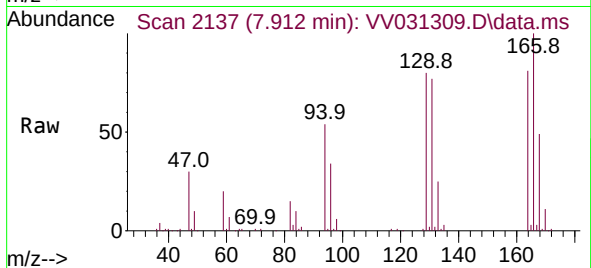
Tgt Ion: 97 Resp: 104520
Ion Ratio Lower Upper
97 100
99 60.5 43.2 80.2
83 91.5 60.5 112.3
85 56.7 36.8 68.4





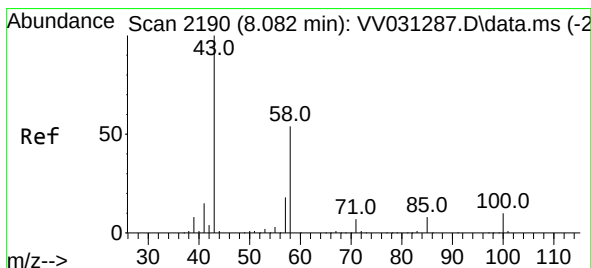
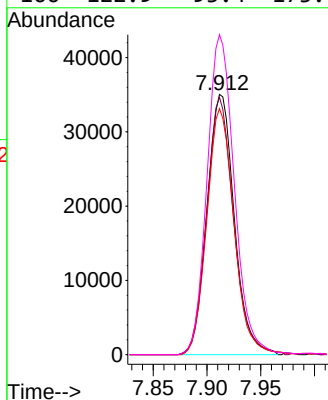
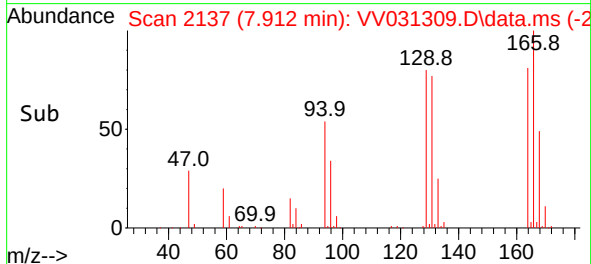
#46
Tetrachloroethene
Concen: 42.681 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15

Instrument :
MSVOA_V
ClientSampleId :

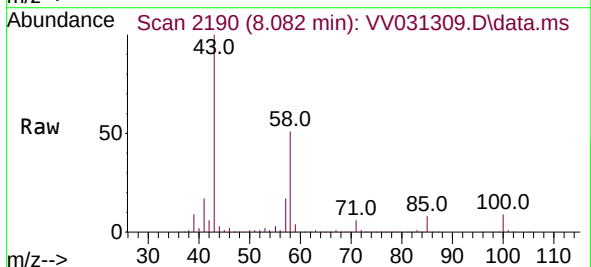


Tgt Ion:164 Resp: 61898

Ion	Ratio	Lower	Upper
164	100		
129	98.9	65.5	121.7
131	94.5	62.1	115.3
166	122.9	93.4	173.4

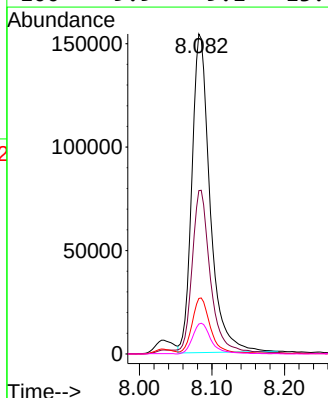
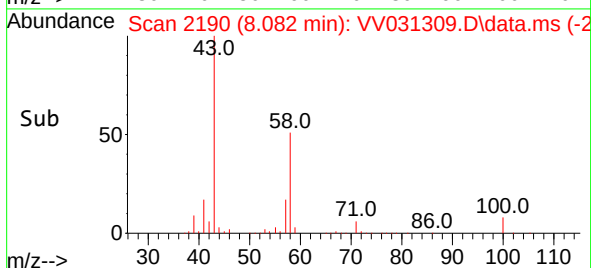


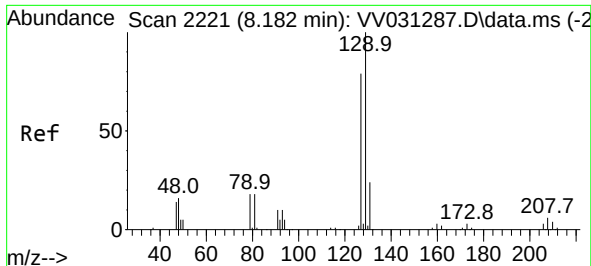
#48
2-Hexanone
Concen: 120.495 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.000 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15



Tgt Ion: 43 Resp: 267923

Ion	Ratio	Lower	Upper
43	100		
58	49.1	39.8	59.6
57	17.9	14.4	21.6
100	9.9	9.1	13.7

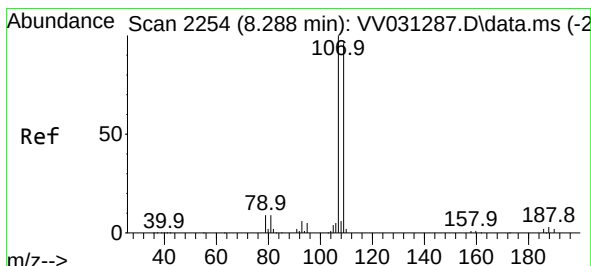
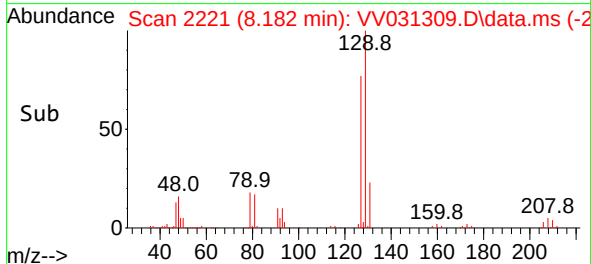
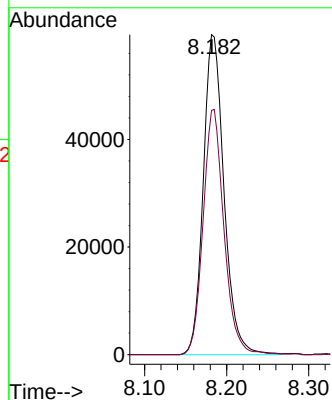
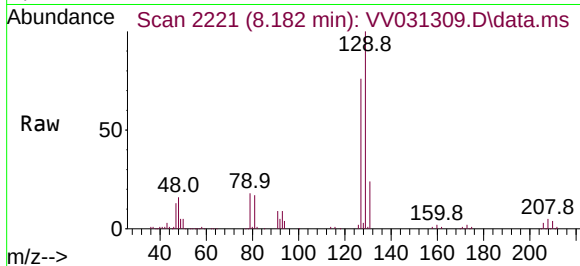




#49
Dibromochloromethane
Concen: 49.029 ug/L
RT: 8.182 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15

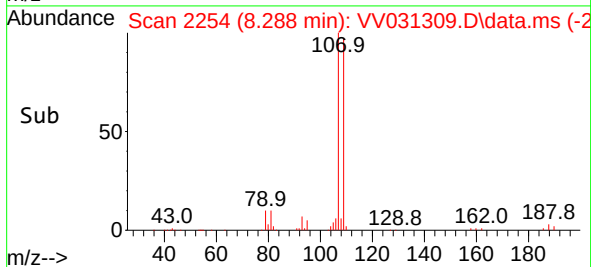
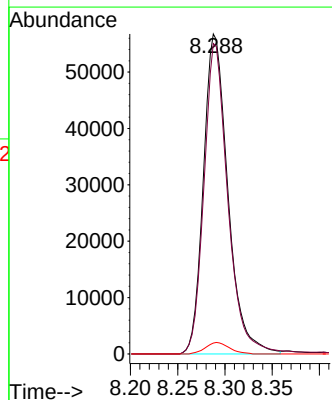
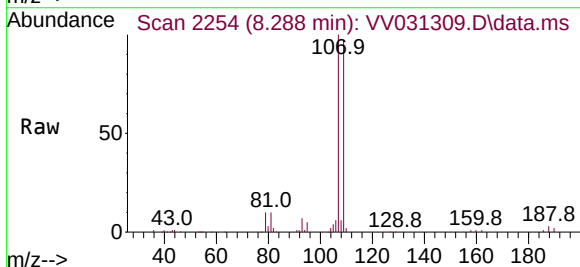
Instrument :
MSVOA_V
ClientSampleId :

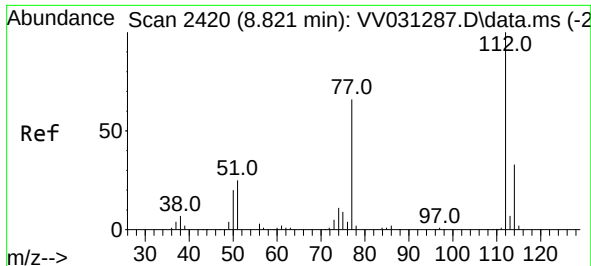
Tgt Ion:129 Resp: 104723
Ion Ratio Lower Upper
129 100
127 76.3 56.1 104.1



#50
1,2-Dibromoethane
Concen: 54.406 ug/L
RT: 8.288 min Scan# 2254
Delta R.T. -0.000 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15

Tgt Ion:107 Resp: 102403
Ion Ratio Lower Upper
107 100
109 97.0 65.6 121.8
188 3.4 3.8 5.6#

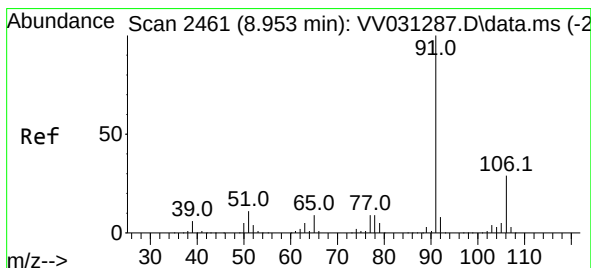
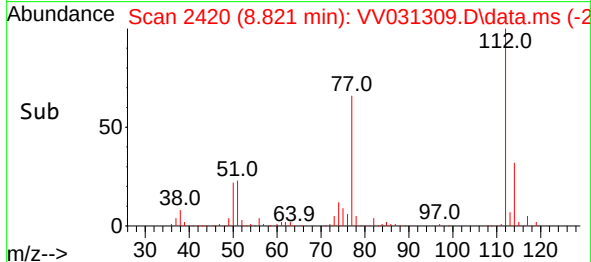
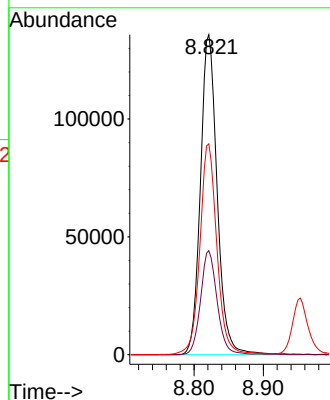
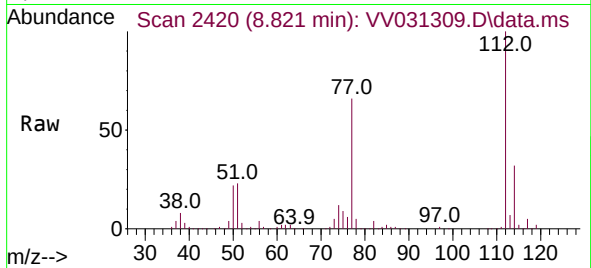




#51
Chlorobenzene
Concen: 46.957 ug/L
RT: 8.821 min Scan# 2420
Delta R.T. 0.000 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15

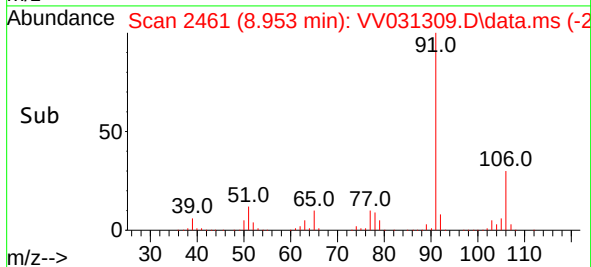
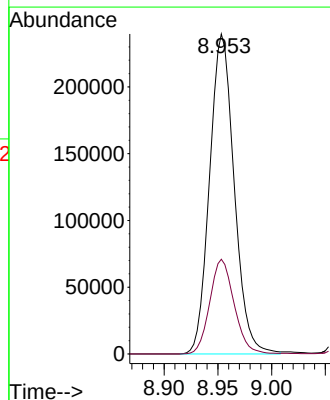
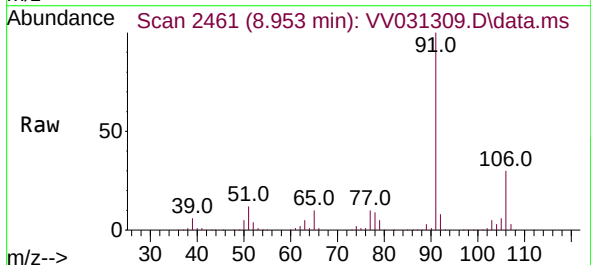
Instrument :
MSVOA_V
ClientSampleId :

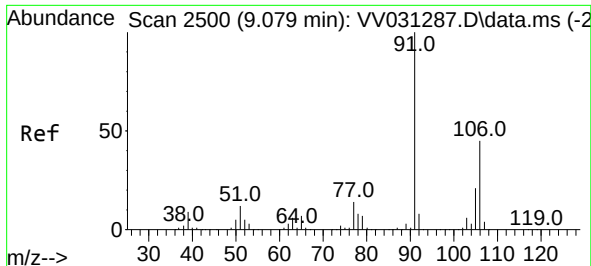
Tgt Ion:112 Resp: 227921
Ion Ratio Lower Upper
112 100
114 32.5 23.0 42.8
77 65.9 46.2 69.4



#52
Ethylbenzene
Concen: 48.858 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. -0.000 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15

Tgt Ion: 91 Resp: 381479
Ion Ratio Lower Upper
91 100
106 29.6 21.5 39.9

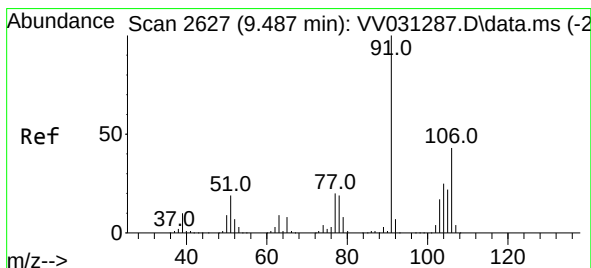
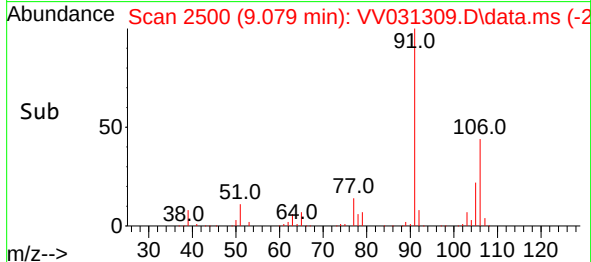
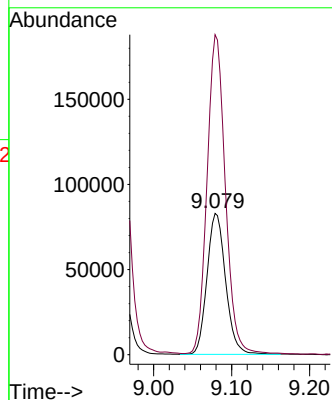
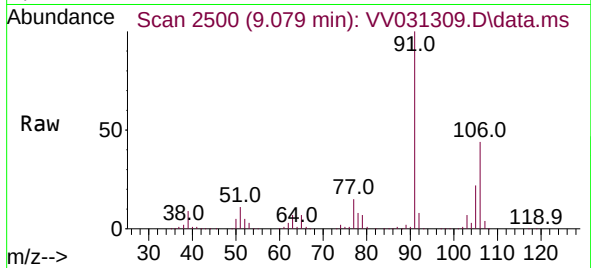




#53
m,p-Xylene
Concen: 45.307 ug/L
RT: 9.079 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15

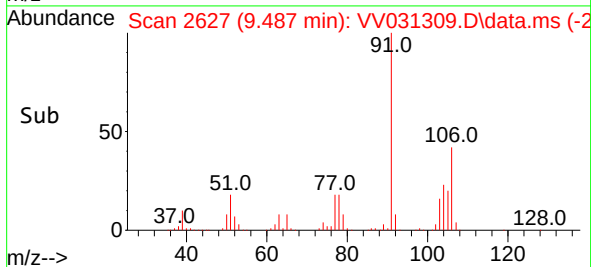
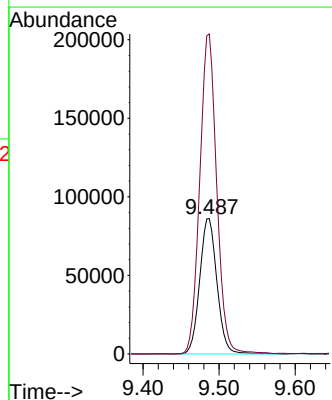
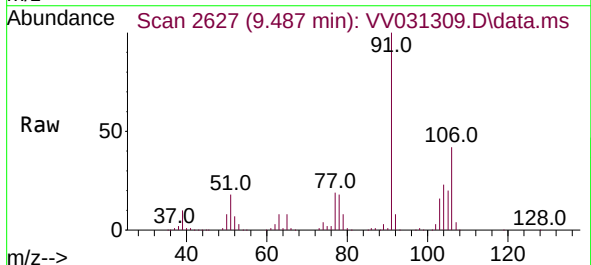
Instrument :
MSVOA_V
ClientSampleId :

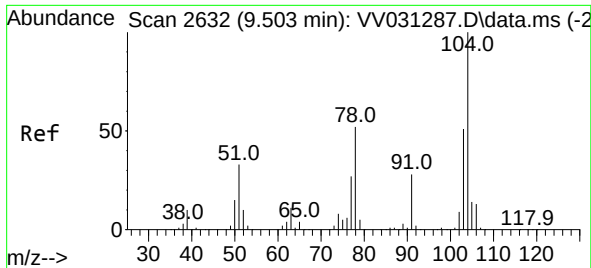
Tgt Ion:106 Resp: 137222
Ion Ratio Lower Upper
106 100
91 226.4 145.3 269.8



#54
o-Xylene
Concen: 45.429 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15

Tgt Ion:106 Resp: 135735
Ion Ratio Lower Upper
106 100
91 236.4 150.4 279.2

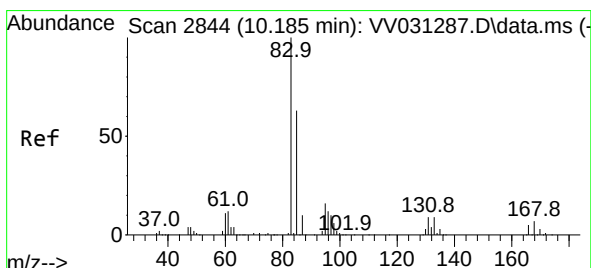
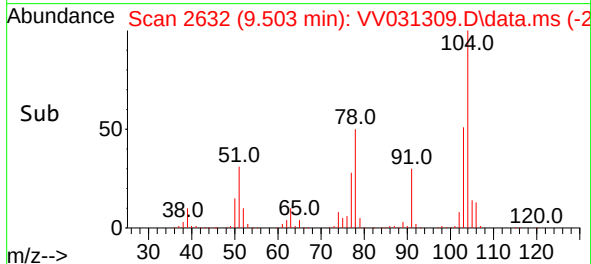
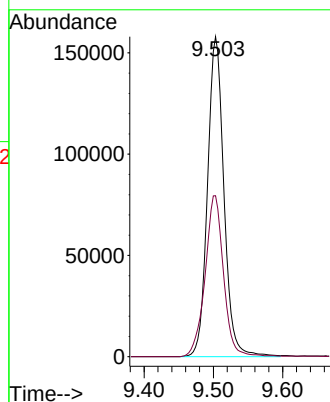
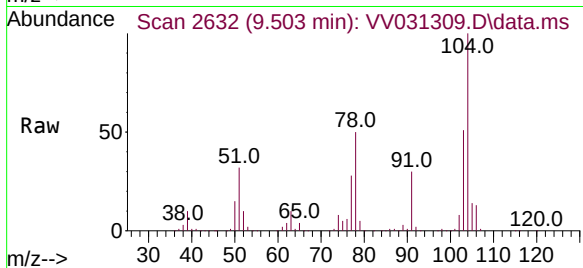




#55
Styrene
Concen: 49.142 ug/L
RT: 9.503 min Scan# 20
Delta R.T. -0.000 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15

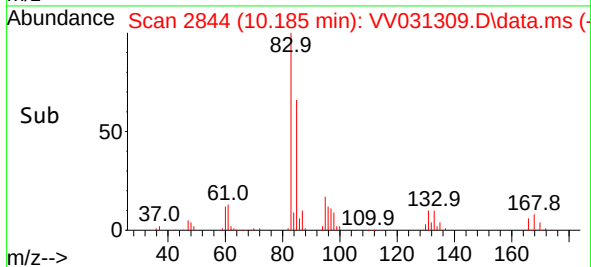
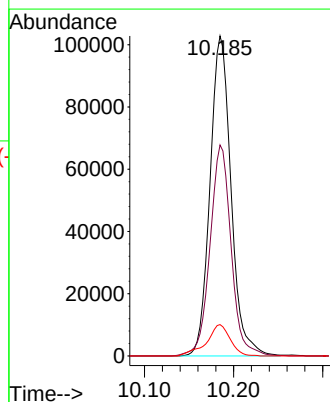
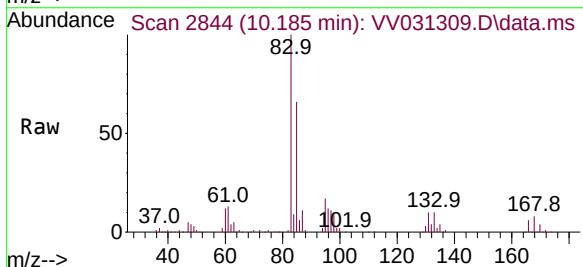
Instrument :
MSVOA_V
ClientSampleId :

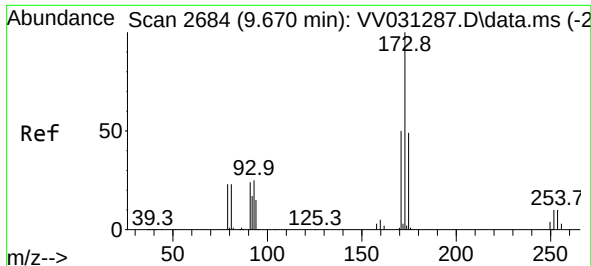
Tgt Ion:104 Resp: 259681
Ion Ratio Lower Upper
104 100
78 50.3 33.2 61.6



#57
1,1,2,2-Tetrachloroethane
Concen: 54.108 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15

Tgt Ion: 83 Resp: 168304
Ion Ratio Lower Upper
83 100
85 66.0 45.0 83.6
131 9.8 9.2 13.8

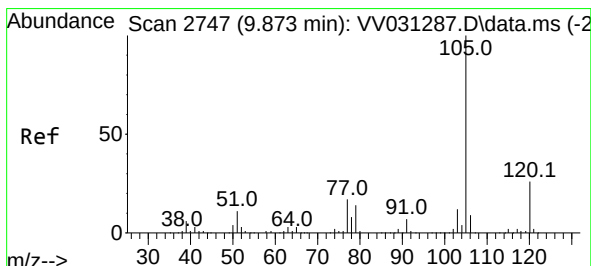
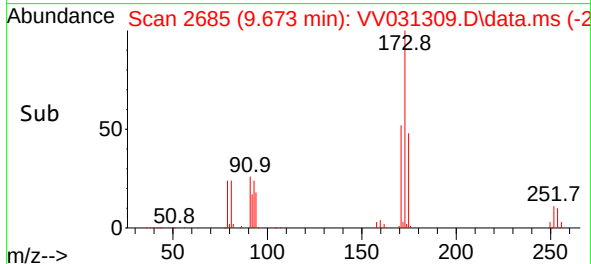
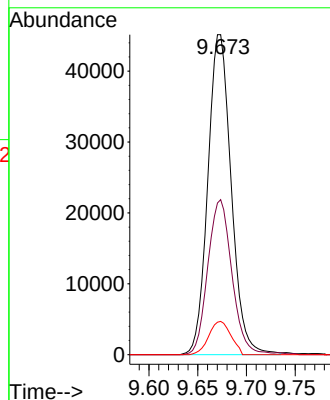
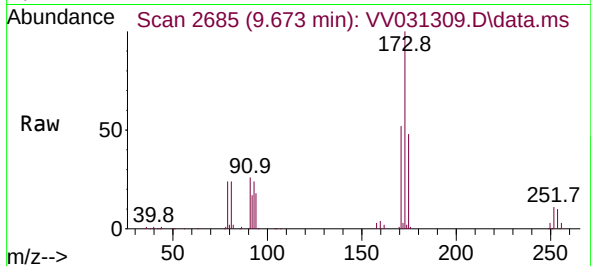




#59
Bromoform
Concen: 44.346 ug/L
RT: 9.673 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15

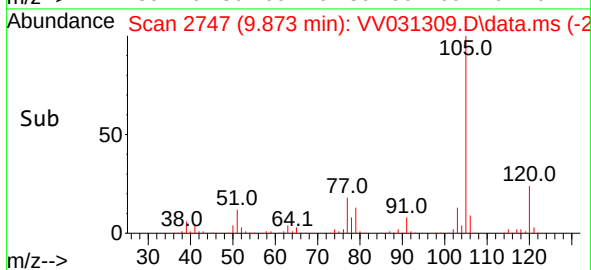
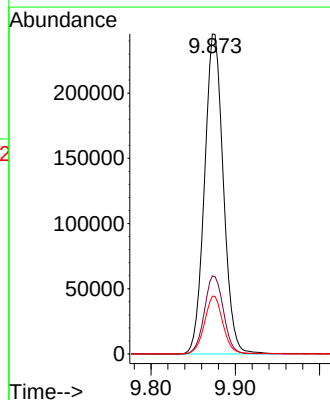
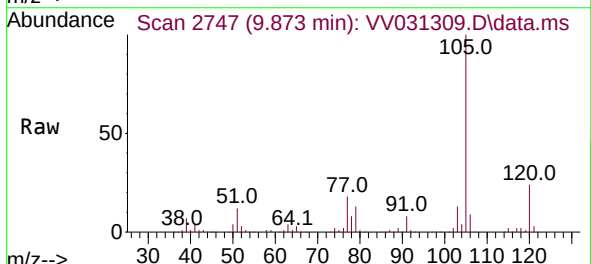
Instrument :
MSVOA_V
ClientSampleId :

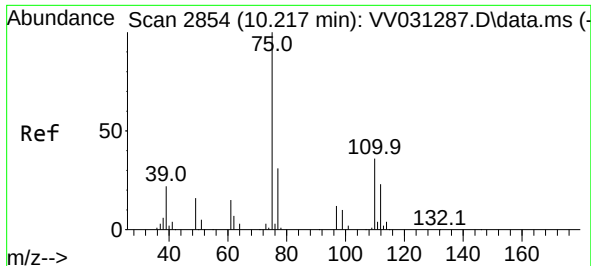
Tgt Ion:173	Resp:	75391
Ion Ratio	Lower	Upper
173	100	
175	49.8	38.8 58.2
254	9.8	8.8 13.2



#60
Isopropylbenzene
Concen: 48.777 ug/L
RT: 9.873 min Scan# 2747
Delta R.T. 0.000 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15

Tgt Ion:105	Resp:	382478
Ion Ratio	Lower	Upper
105	100	
120	24.7	21.4 32.0
77	17.8	13.0 19.6





#61

1,2,3-Trichloropropane

Concen: 62.933 ug/L

RT: 10.217 min Scan# 2854

Delta R.T. -0.000 min

Lab File: VV031309.D

Acq: 31 May 2023 20:15

Instrument :

MSVOA_V

ClientSampleId :

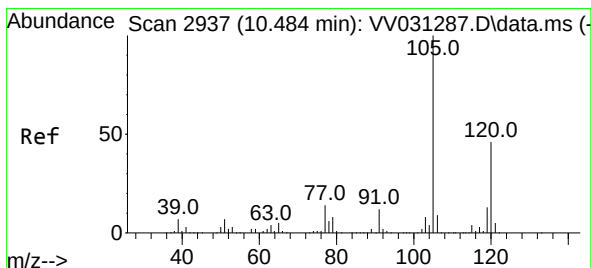
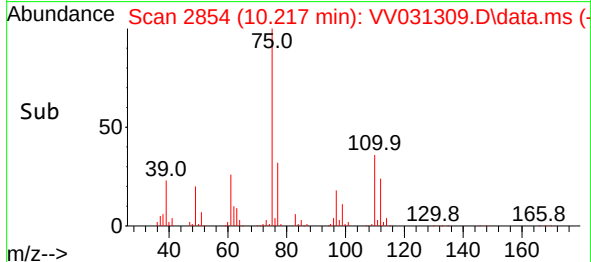
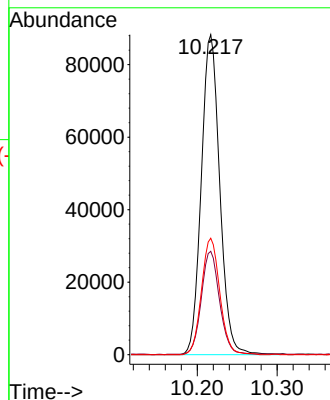
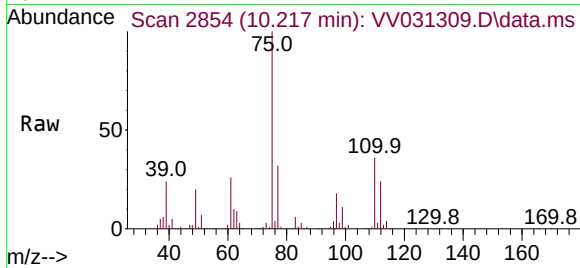
Tgt Ion: 75 Resp: 141949

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3

110 36.1 32.5 48.7



#62

1,3,5-Trimethylbenzene

Concen: 47.453 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VV031309.D

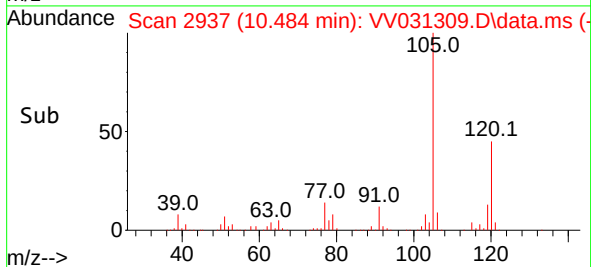
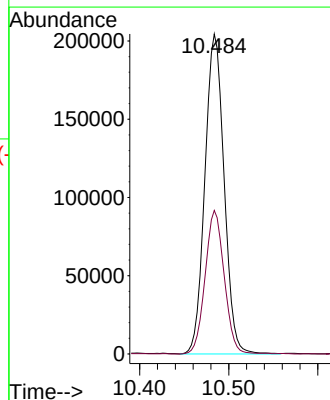
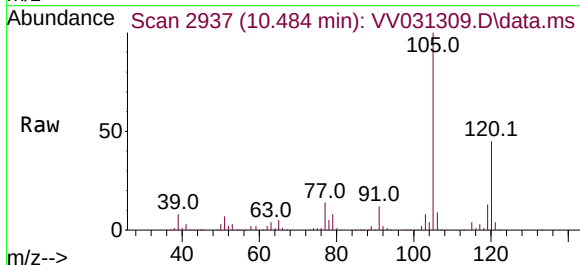
Acq: 31 May 2023 20:15

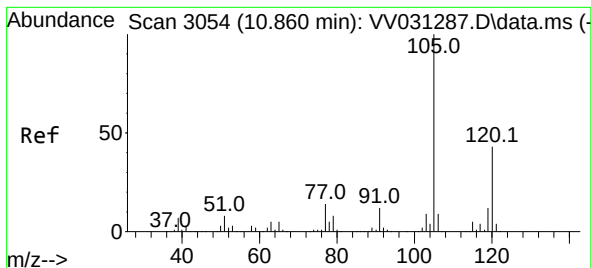
Tgt Ion: 105 Resp: 305855

Ion Ratio Lower Upper

105 100

120 44.4 40.5 60.7





#63

1,2,4-Trimethylbenzene

Concen: 49.246 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VV031309.D

Acq: 31 May 2023 20:15

Instrument :

MSVOA_V

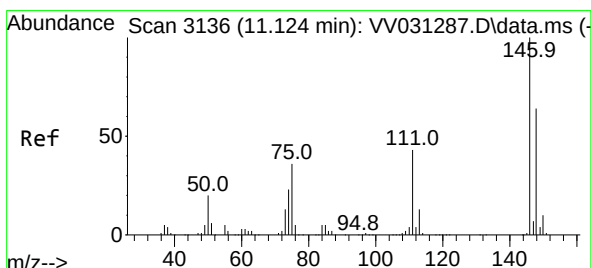
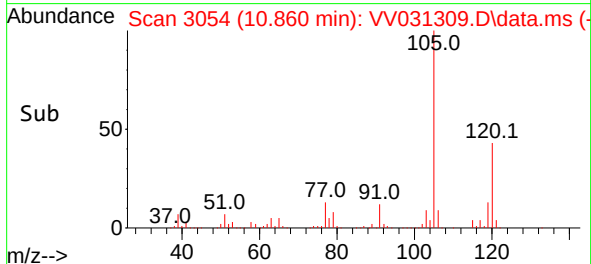
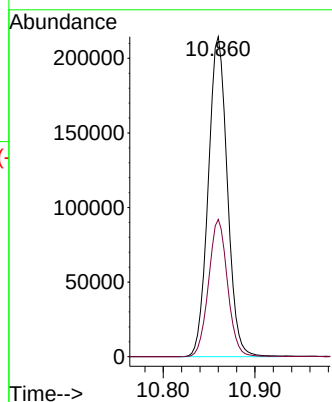
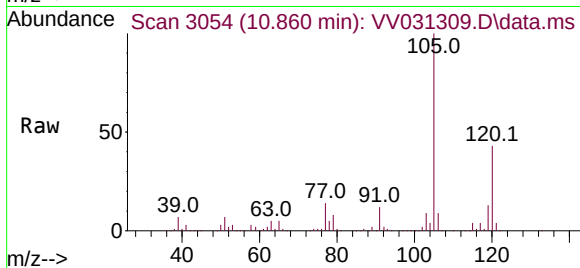
ClientSampleId :

Tgt Ion:105 Resp: 310358

Ion Ratio Lower Upper

105 100

120 42.6 37.5 56.3



#64

1,3-Dichlorobenzene

Concen: 45.590 ug/L

RT: 11.124 min Scan# 3136

Delta R.T. 0.000 min

Lab File: VV031309.D

Acq: 31 May 2023 20:15

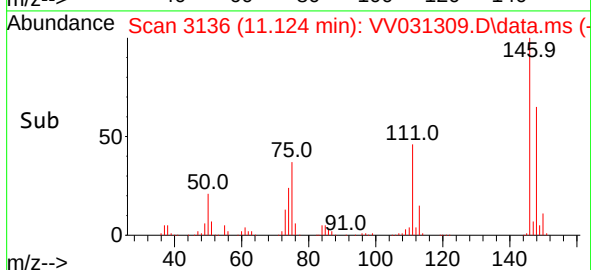
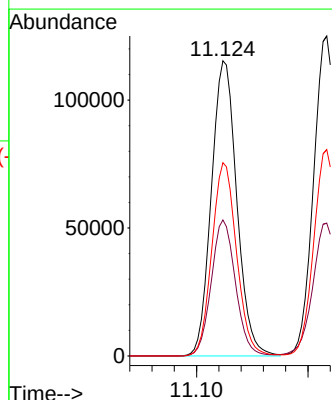
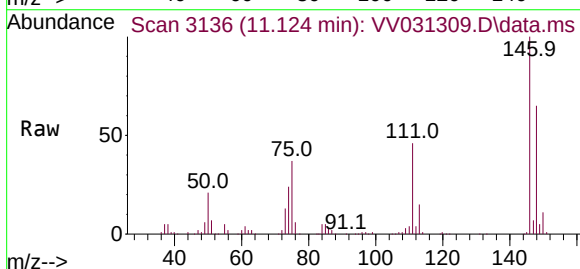
Tgt Ion:146 Resp: 183173

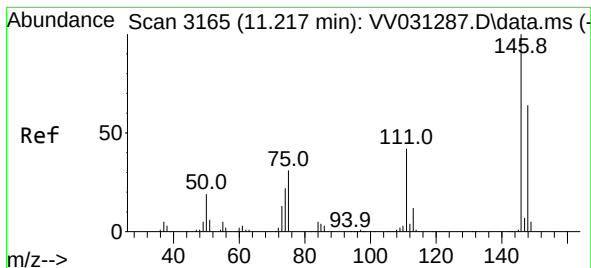
Ion Ratio Lower Upper

146 100

111 46.1 27.2 50.4

148 65.5 44.4 82.5





#65

1,4-Dichlorobenzene

Concen: 46.150 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VV031309.D

Acq: 31 May 2023 20:15

Instrument :

MSVOA_V

ClientSampleId :

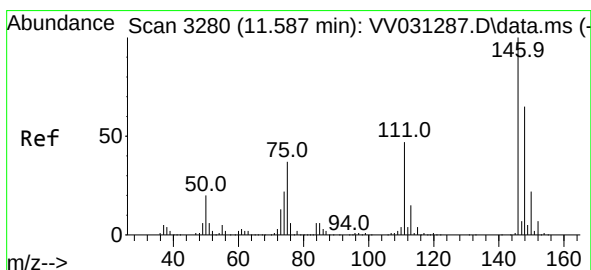
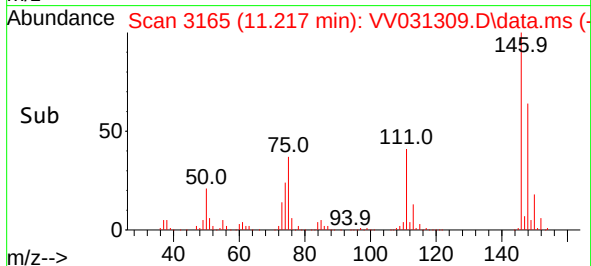
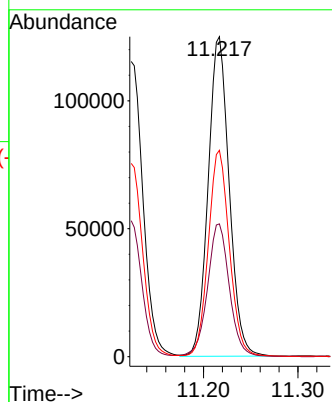
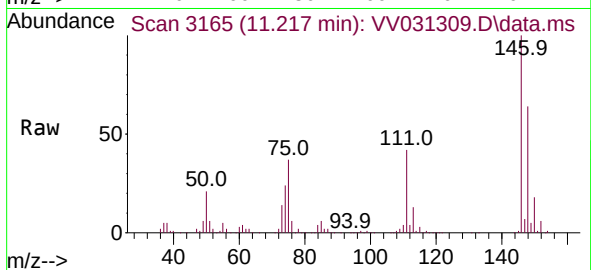
Tgt Ion:146 Resp: 192902

Ion Ratio Lower Upper

146 100

111 41.5 25.5 47.3

148 64.5 44.5 82.7



#67

1,2-Dichlorobenzene

Concen: 46.757 ug/L

RT: 11.587 min Scan# 3280

Delta R.T. -0.000 min

Lab File: VV031309.D

Acq: 31 May 2023 20:15

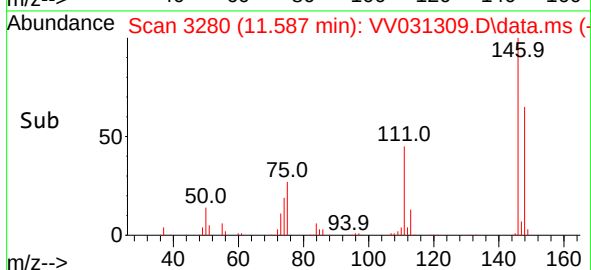
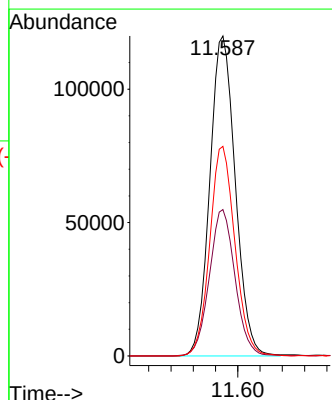
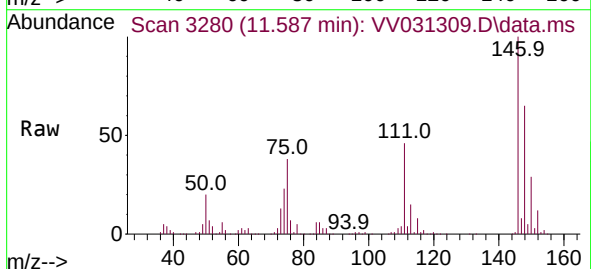
Tgt Ion:146 Resp: 190618

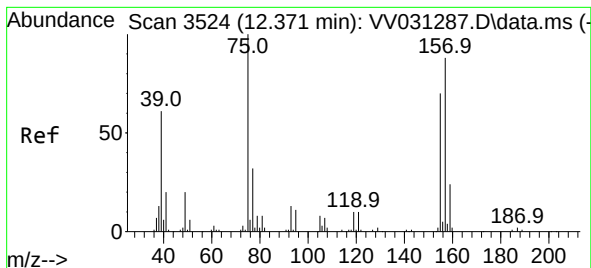
Ion Ratio Lower Upper

146 100

111 45.7 31.4 47.2

148 65.5 50.2 75.4

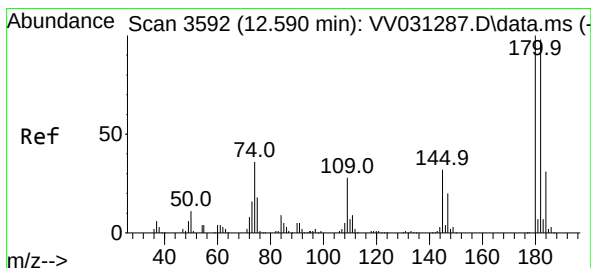
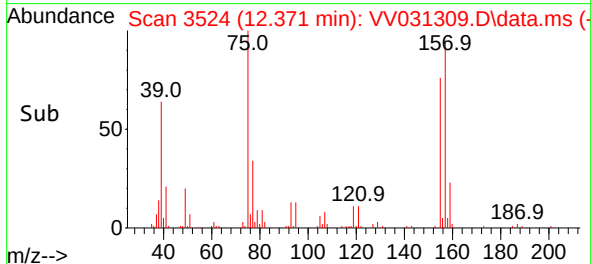
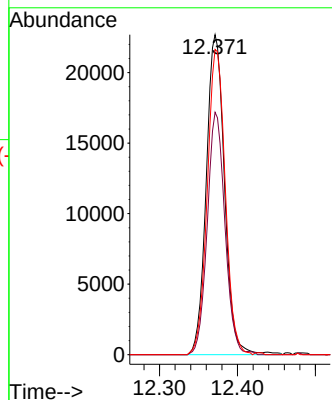
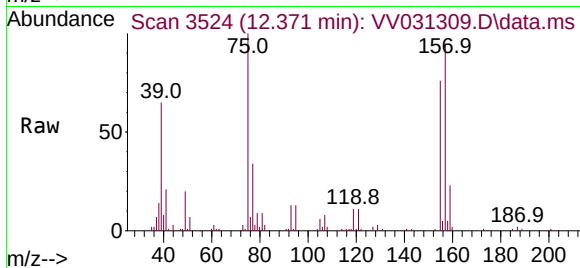




#68
 1,2-Dibromo-3-chloropropane
 Concen: 53.329 ug/L
 RT: 12.371 min Scan# 3524
 Delta R.T. -0.000 min
 Lab File: VV031309.D
 Acq: 31 May 2023 20:15

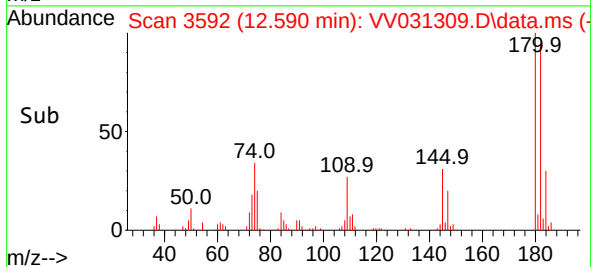
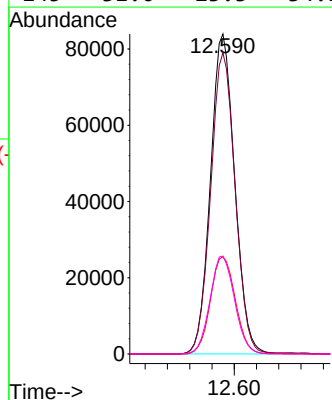
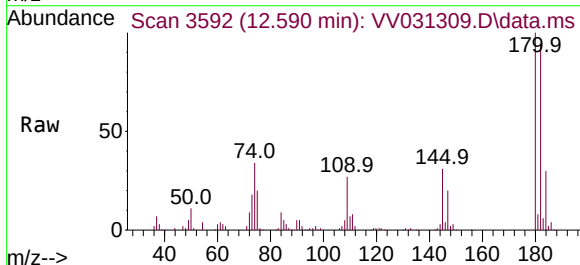
Instrument :
 MSVOA_V
 ClientSampleId :

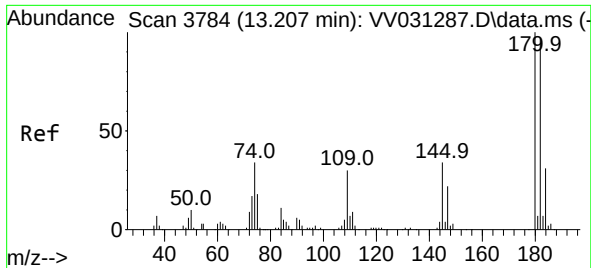
Tgt Ion: 75 Resp: 36924
 Ion Ratio Lower Upper
 75 100
 155 75.7 70.9 106.3
 157 95.4 88.1 132.1



#69
 1,3,5-Trichlorobenzene
 Concen: 40.845 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. 0.000 min
 Lab File: VV031309.D
 Acq: 31 May 2023 20:15

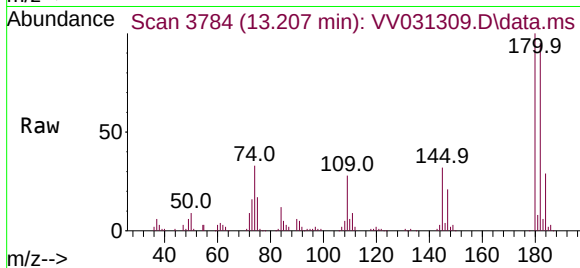
Tgt Ion:180 Resp: 126862
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.6 115.0
 184 31.2 24.6 37.0
 145 31.0 23.3 34.9



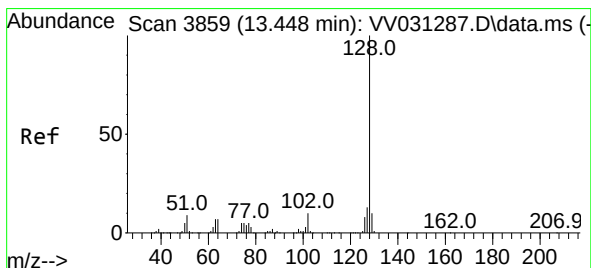
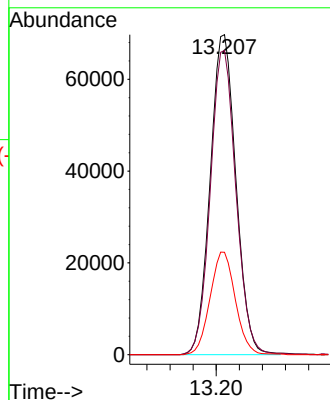
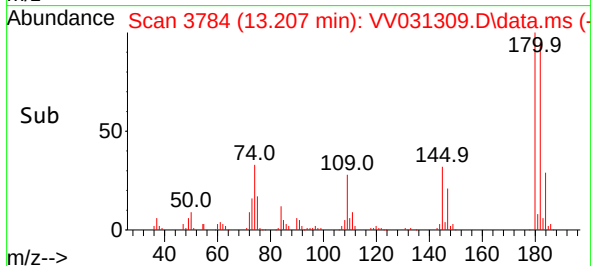


#70
1,2,4-trichlorobenzene
Concen: 40.790 ug/L
RT: 13.207 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15

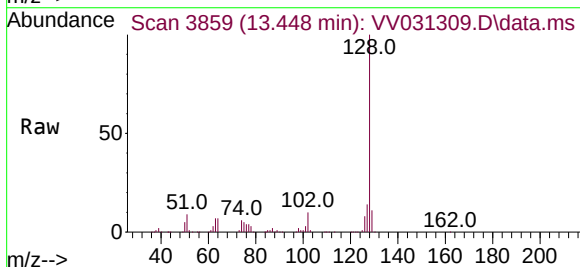
Instrument :
MSVOA_V
ClientSampleId :



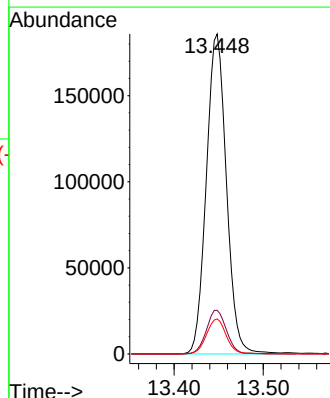
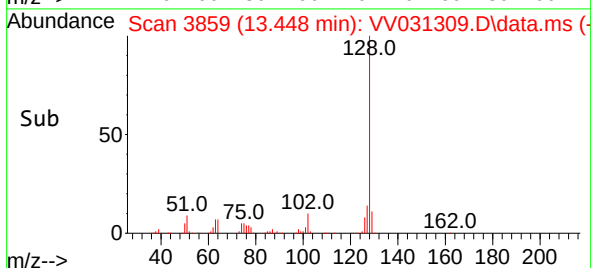
Tgt Ion:180 Resp: 107819
Ion Ratio Lower Upper
180 100
182 94.7 75.4 113.2
145 31.5 23.1 34.7

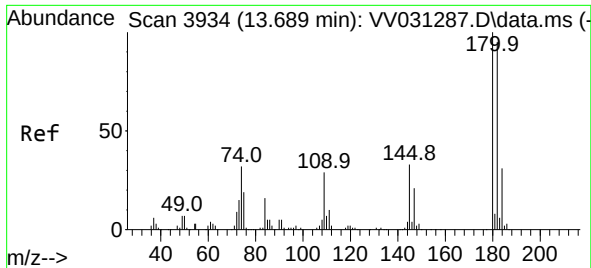


#71
Naphthalene
Concen: 42.305 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.000 min
Lab File: VV031309.D
Acq: 31 May 2023 20:15



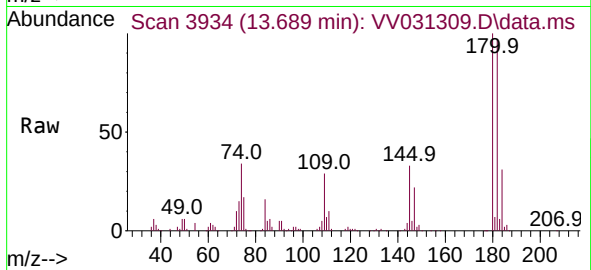
Tgt Ion:128 Resp: 290460
Ion Ratio Lower Upper
128 100
127 13.7 10.6 16.0
129 10.7 8.8 13.2





#72
 1,2,3-Trichlorobenzene
 Concen: 45.085 ug/L
 RT: 13.689 min Scan# 3934
 Delta R.T. 0.000 min
 Lab File: VV031309.D
 Acq: 31 May 2023 20:15

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:180 Resp: 119086
 Ion Ratio Lower Upper
 180 100
 182 96.0 75.4 113.0
 145 34.3 24.2 36.4

