

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052024\
 Data File : VV035629.D
 Acq On : 20 May 2024 09:59
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 21 02:05:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 09 01:17:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	401186	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	415725	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	243993	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	116706	18.821	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.280%
7) Chloroethane-d5	1.529	69	102415	20.473	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.880%
11) 1,1-Dichloroethene-d2	2.053	65	53294	19.414	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.640%
21) 2-Butanone-d5	3.844	46	33818	19.218	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	38.440%
24) Chloroform-d	4.243	84	265900	22.294	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.160%
26) 1,2-Dichloroethane-d4	4.937	65	132051	22.396	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.600%
32) Benzene-d6	4.953	84	473217	20.795	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.160%
36) 1,2-Dichloropropane-d6	5.982	67	151902	21.630	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.520%
41) Toluene-d8	7.239	98	424321	20.951	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.800%
43) trans-1,3-Dichloroprop...	7.551	79	64478	21.468	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.880%
47) 2-Hexanone-d5	8.030	63	54943	43.508	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.020%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	144345	21.330	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.320%
66) 1,2-Dichlorobenzene-d4	11.558	152	175833	20.765	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	180352	22.112	ug/L	100
3) Chloromethane	1.211	50	178835	21.838	ug/L	99
5) Vinyl chloride	1.278	62	194187	22.953	ug/L	99
6) Bromomethane	1.484	94	119717	22.348	ug/L	98
8) Chloroethane	1.545	64	124504	23.873	ug/L	99
9) Trichlorofluoromethane	1.709	101	266018	24.089	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	174058	24.982	ug/L	99
12) 1,1-Dichloroethene	2.063	96	151064	24.004	ug/L	97
13) Acetone	2.153	43	41431	16.084	ug/L #	1
14) Carbon disulfide	2.233	76	401169	20.125	ug/L	100
16) Methylene chloride	2.442	84	209552	22.651	ug/L	97
17) trans-1,2-Dichloroethene	2.687	96	162836	23.307	ug/L	98
18) Methyl tert-butyl Ether	2.699	73	421104	24.987	ug/L	99
19) 1,1-Dichloroethane	3.105	63	330627	25.243	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	180893	23.884	ug/L	96
22) 2-Butanone	3.905	43	97953	40.946	ug/L	76
23) Bromochloromethane	4.140	128	90770	24.779	ug/L	98
25) Chloroform	4.269	83	348125	25.739	ug/L	97
27) 1,2-Dichloroethane	5.037	62	216511	25.707	ug/L	98

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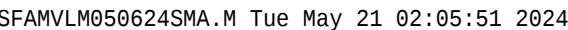
Instrument :
 MSVOA_V
 ClientSampleId :

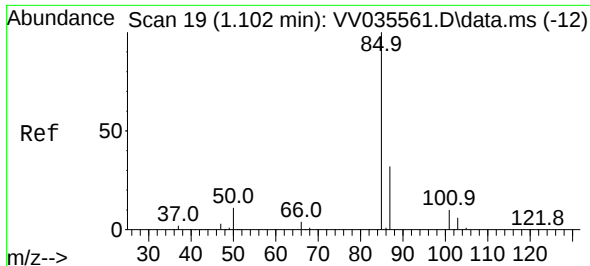
Quant Time: May 21 02:05:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 09 01:17:39 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.574	56	224775	22.610	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	288521	25.030	ug/L	99
31) Carbon tetrachloride	4.725	117	248908	24.611	ug/L	99
33) Benzene	5.002	78	689157	25.047	ug/L	100
34) Trichloroethene	5.825	95	200734	25.792	ug/L	97
35) Methylcyclohexane	6.043	83	267387	22.629	ug/L	97
37) 1,2-Dichloropropane	6.085	63	188563	26.268	ug/L	100
38) Bromodichloromethane	6.426	83	249645	25.672	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	279546	24.898	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	221447	51.509	ug/L	98
42) Toluene	7.310	91	746330	25.632	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	248873	25.339	ug/L	100
45) 1,1,2-Trichloroethane	7.764	97	157472	25.818	ug/L	99
46) Tetrachloroethene	7.902	164	153053	24.206	ug/L	99
48) 2-Hexanone	8.079	43	167931	52.097	ug/L	100
49) Dibromochloromethane	8.172	129	179112	26.025	ug/L	99
50) 1,2-Dibromoethane	8.278	107	152460	25.373	ug/L	99
51) Chlorobenzene	8.809	112	495222	24.511	ug/L	99
52) Ethylbenzene	8.944	91	814807	25.345	ug/L	100
53) m,p-Xylene	9.069	106	310371	25.446	ug/L	99
54) o-Xylene	9.474	106	294790	25.501	ug/L	99
55) Styrene	9.490	104	547723	27.165	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.175	83	159959	21.529	ug/L	100
59) Bromoform	9.661	173	115887	24.168	ug/L	99
60) Isopropylbenzene	9.863	105	828698	25.497	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	144263	25.232	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	667893	26.195	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	677843	25.871	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	425715	24.959	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	436340	24.711	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	394350	24.561	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	32197	24.281	ug/L	94
69) 1,3,5-Trichlorobenzene	12.577	180	322871	24.223	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	267265	24.013	ug/L	98
71) Naphthalene	13.435	128	458223	23.452	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	254956	25.464	ug/L	100

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

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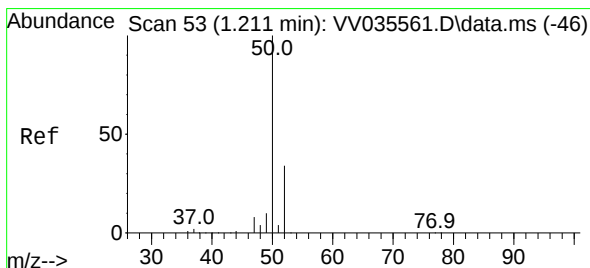
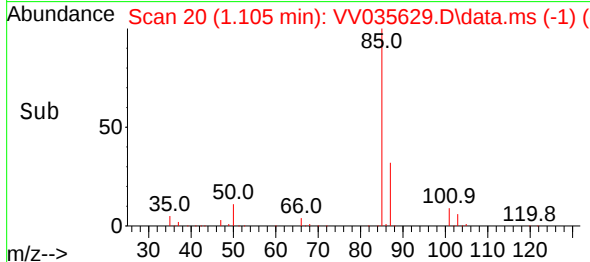
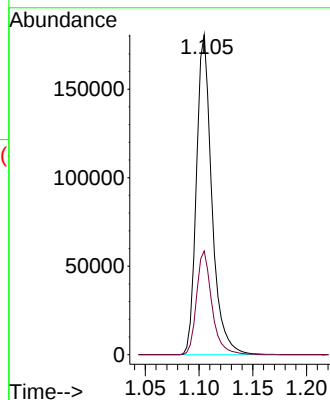
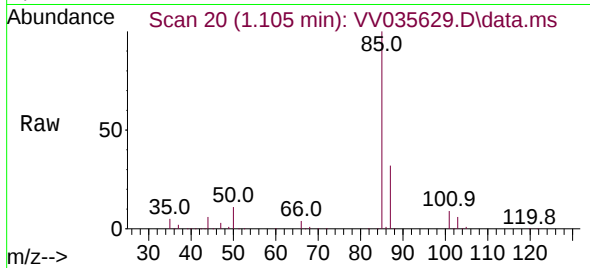




#2
Dichlorodifluoromethane
Concen: 22.112 ug/L
RT: 1.105 min Scan# 20
Delta R.T. -0.000 min
Lab File: VV035629.D
Acq: 20 May 2024 09:59

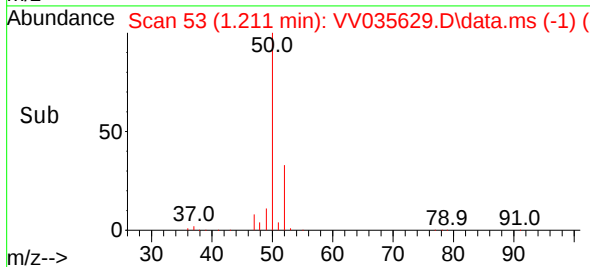
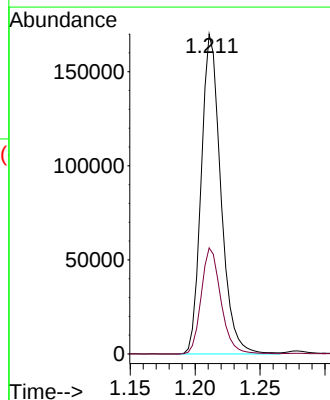
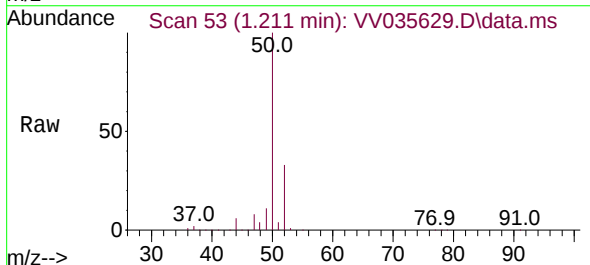
Instrument :
MSVOA_V
ClientSampleId :

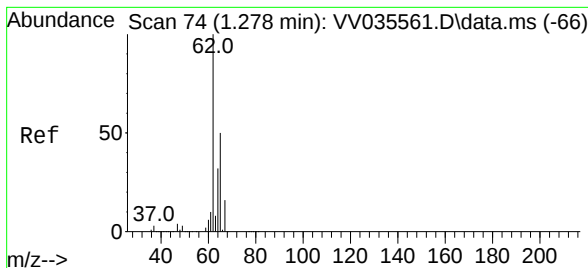
Tgt Ion: 85 Resp: 180352
Ion Ratio Lower Upper
85 100
87 32.3 25.8 38.6



#3
Chloromethane
Concen: 21.838 ug/L
RT: 1.211 min Scan# 53
Delta R.T. -0.000 min
Lab File: VV035629.D
Acq: 20 May 2024 09:59

Tgt Ion: 50 Resp: 178835
Ion Ratio Lower Upper
50 100
52 33.2 22.7 42.1





#5

Vinyl chloride

Concen: 22.953 ug/L

RT: 1.278 min Scan# 74

Delta R.T. 0.000 min

Lab File: VV035629.D

Acq: 20 May 2024 09:59

Instrument :

MSVOA_V

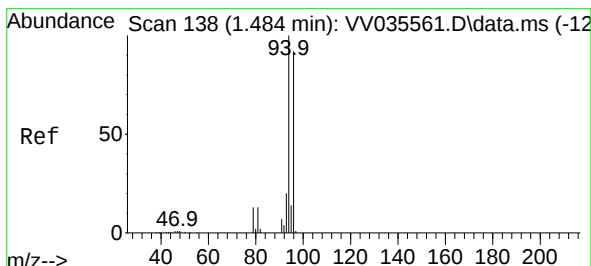
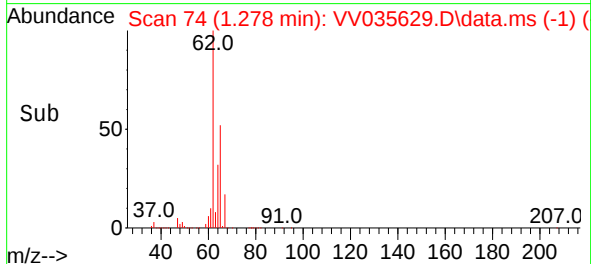
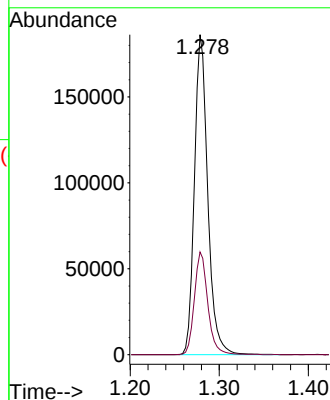
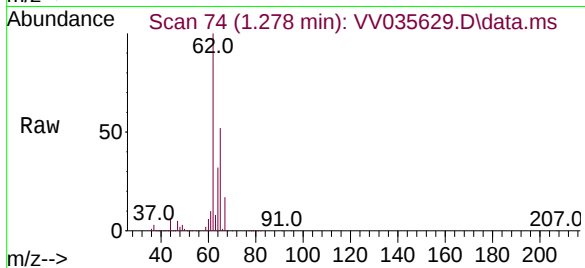
ClientSampleId :

Tgt Ion: 62 Resp: 194187

Ion Ratio Lower Upper

62 100

64 32.1 23.0 42.6



#6

Bromomethane

Concen: 22.348 ug/L

RT: 1.484 min Scan# 138

Delta R.T. 0.000 min

Lab File: VV035629.D

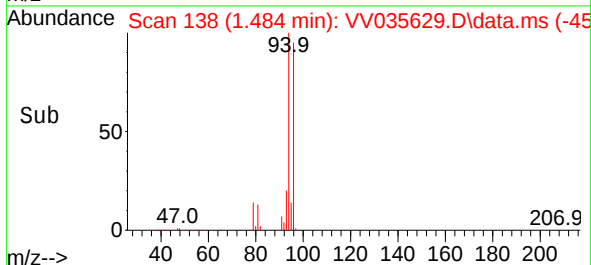
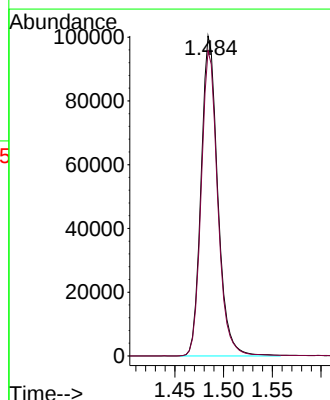
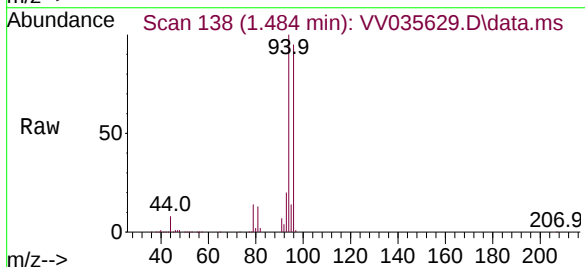
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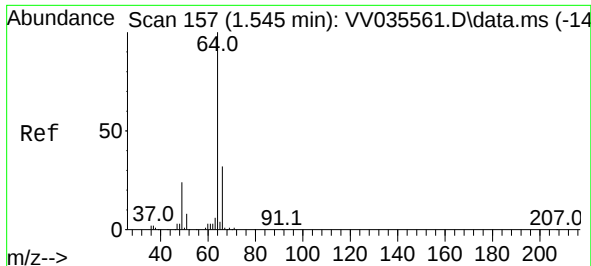
Tgt Ion: 94 Resp: 119717

Ion Ratio Lower Upper

94 100

96 95.3 65.2 121.0

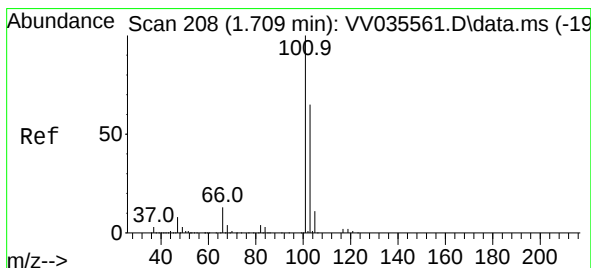
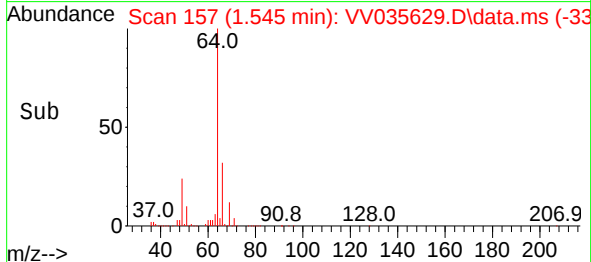
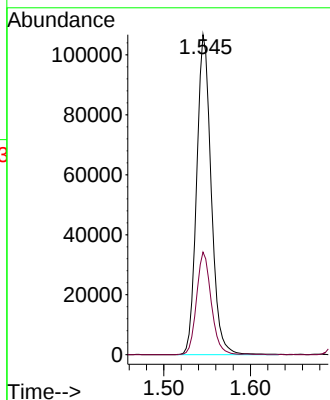
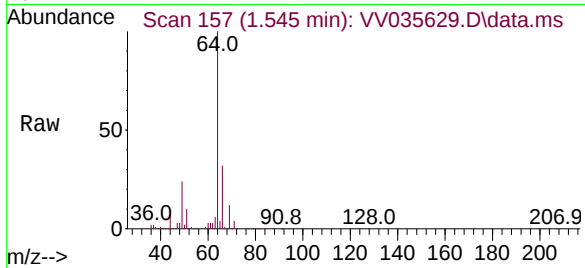




#8
Chloroethane
Concen: 23.873 ug/L
RT: 1.545 min Scan# 157
Delta R.T. 0.000 min
Lab File: VV035629.D
Acq: 20 May 2024 09:59

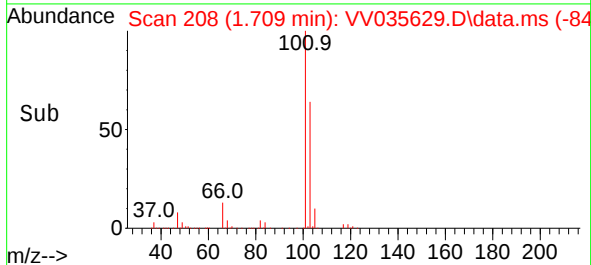
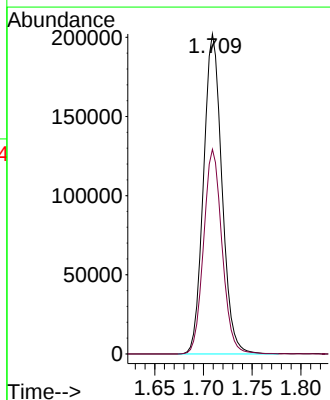
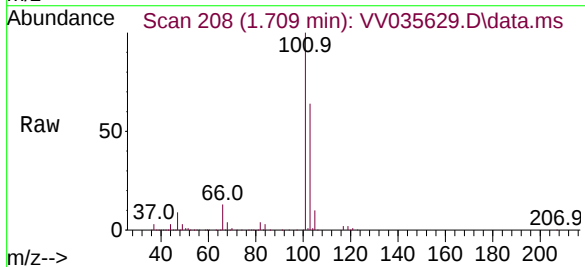
Instrument :
MSVOA_V
ClientSampleId :

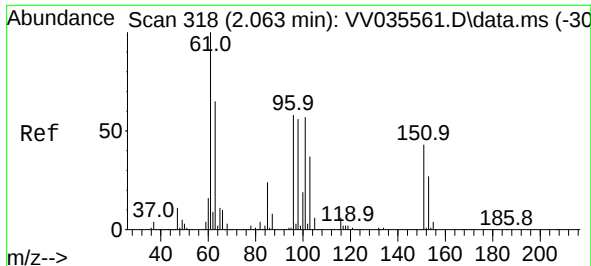
Tgt Ion: 64 Resp: 124504
Ion Ratio Lower Upper
64 100
66 32.0 22.0 40.8



#9
Trichlorofluoromethane
Concen: 24.089 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV035629.D
Acq: 20 May 2024 09:59

Tgt Ion:101 Resp: 266018
Ion Ratio Lower Upper
101 100
103 63.9 51.5 77.3





#10

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

Concen: 24.982 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.000 min

Lab File: VV035629.D

Acq: 20 May 2024 09:59

Instrument :

MSVOA_V

ClientSampleId :

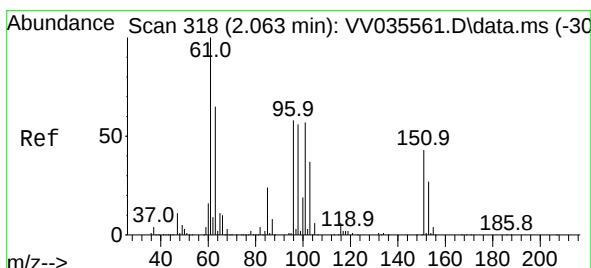
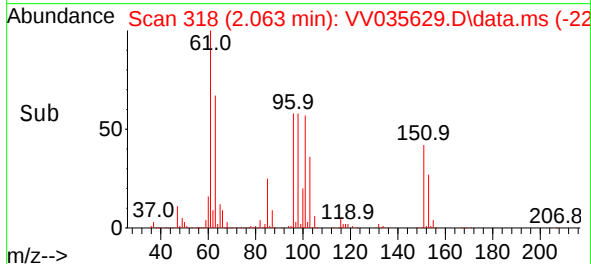
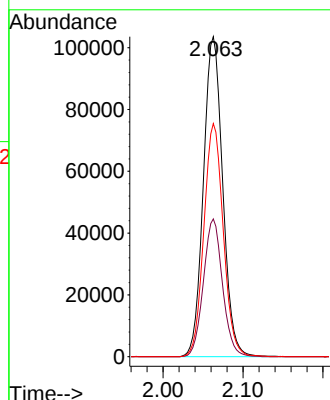
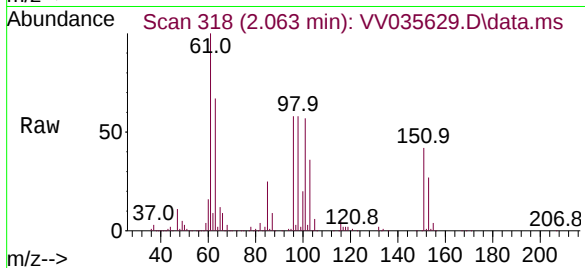
Tgt Ion:101 Resp: 174058

Ion Ratio Lower Upper

101 100

85 42.5 34.2 51.4

151 73.2 59.5 89.3



#12

1,1-Dichloroethene

Concen: 24.004 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.000 min

Lab File: VV035629.D

Acq: 20 May 2024 09:59

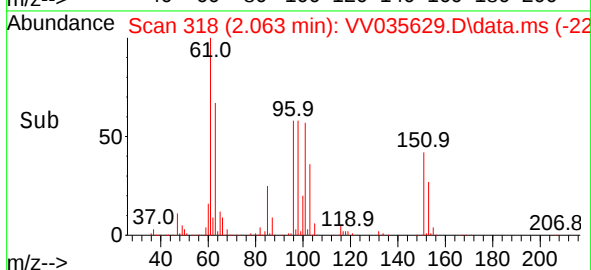
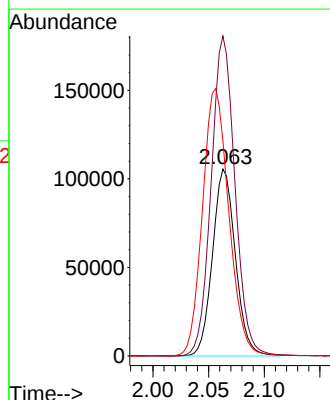
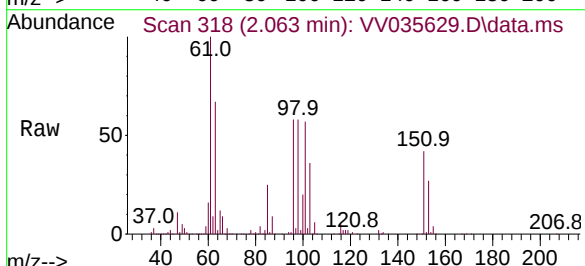
Tgt Ion: 96 Resp: 151064

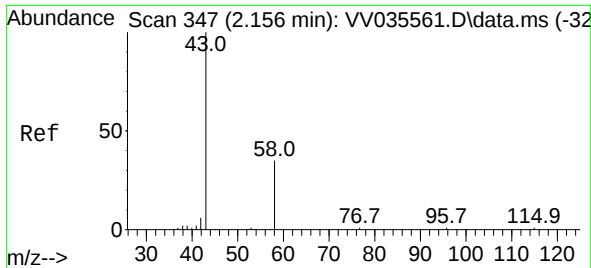
Ion Ratio Lower Upper

96 100

61 171.2 119.8 222.4

63 115.0 75.6 140.4





#13

Acetone

Concen: 16.084 ug/L

RT: 2.153 min Scan# 347

Delta R.T. -0.003 min

Lab File: VV035629.D

Acq: 20 May 2024 09:59

Instrument :

MSVOA_V

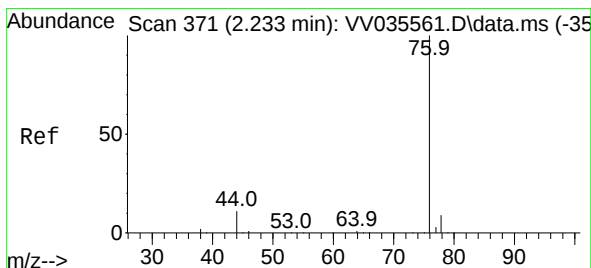
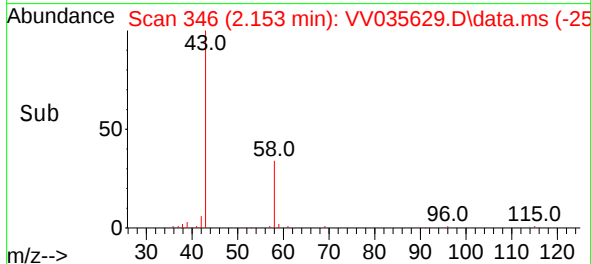
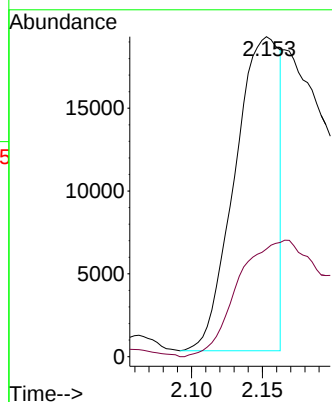
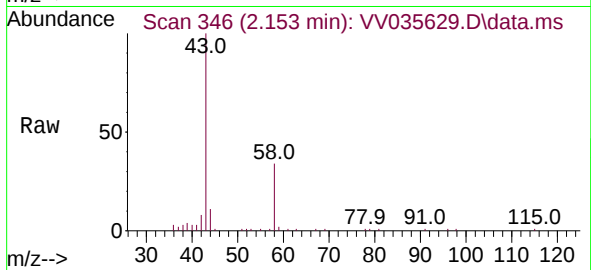
ClientSampleId :

Tgt Ion: 43 Resp: 41431

Ion Ratio Lower Upper

43 100

58 63.6 0.0 22.8#



#14

Carbon disulfide

Concen: 20.125 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.000 min

Lab File: VV035629.D

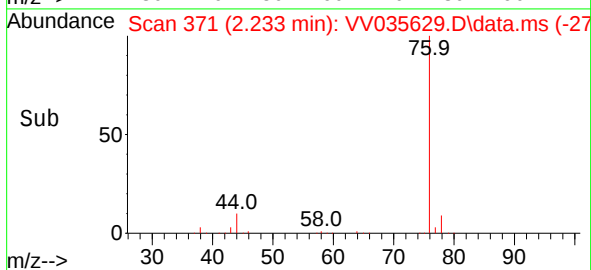
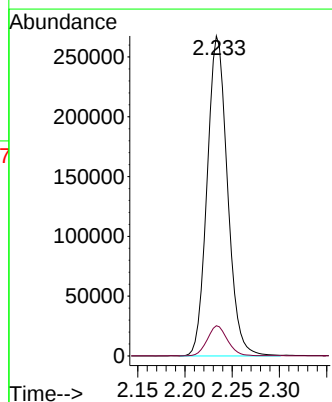
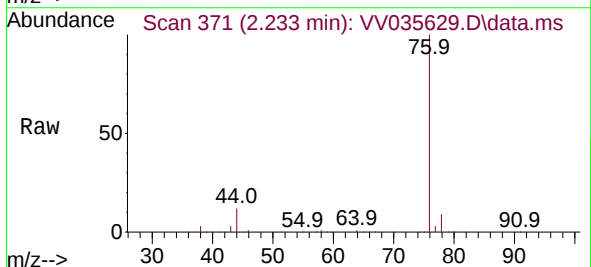
Acq: 20 May 2024 09:59

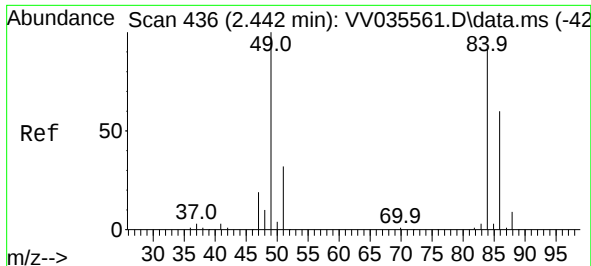
Tgt Ion: 76 Resp: 401169

Ion Ratio Lower Upper

76 100

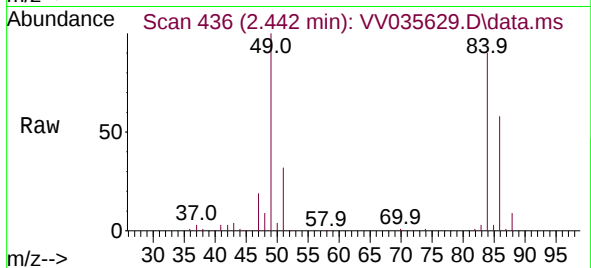
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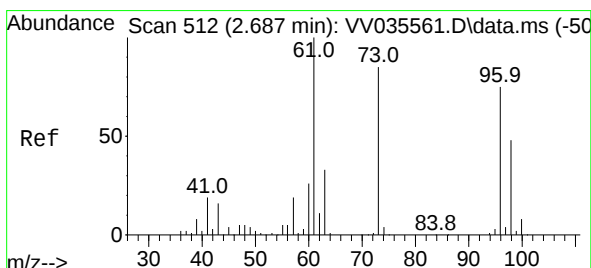
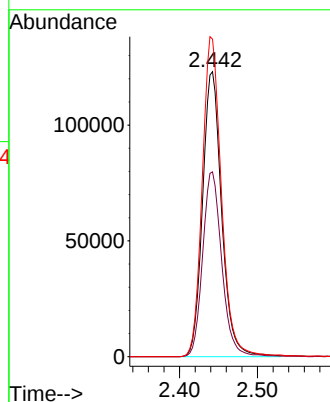
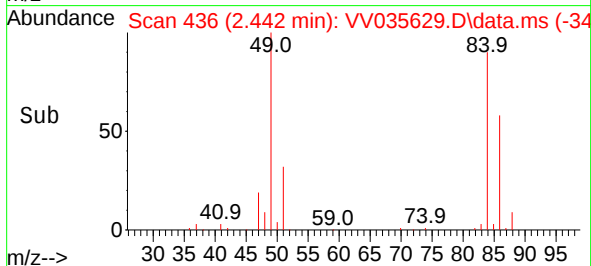


#16
Methylene chloride
Concen: 22.651 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV035629.D
Acq: 20 May 2024 09:59

Instrument :
MSVOA_V
ClientSampleId :

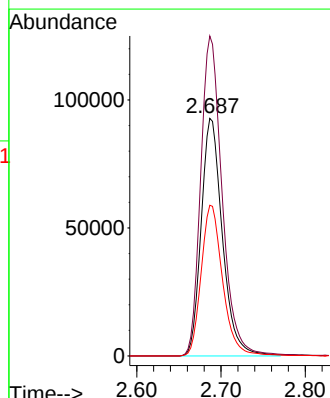
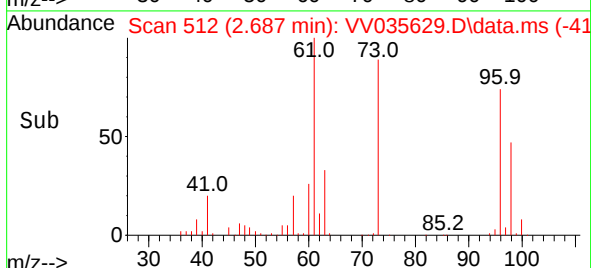
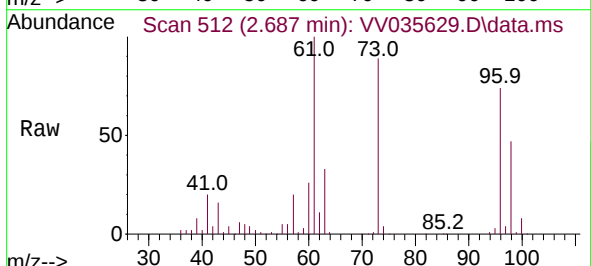


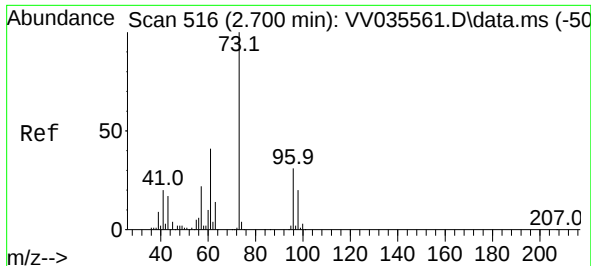
Tgt Ion: 84 Resp: 209552
Ion Ratio Lower Upper
84 100
86 64.9 43.8 81.3
49 111.5 75.3 139.9



#17
trans-1,2-Dichloroethene
Concen: 23.307 ug/L
RT: 2.687 min Scan# 512
Delta R.T. -0.000 min
Lab File: VV035629.D
Acq: 20 May 2024 09:59

Tgt Ion: 96 Resp: 162836
Ion Ratio Lower Upper
96 100
61 134.7 95.5 177.4
98 63.4 46.0 85.4





#18

Methyl tert-butyl Ether

Concen: 24.987 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.001 min

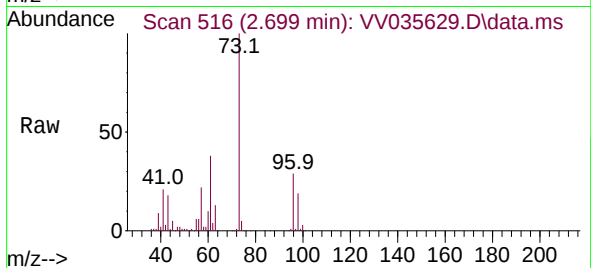
Lab File: VV035629.D

Acq: 20 May 2024 09:59

Instrument :

MSVOA_V

ClientSampleId :



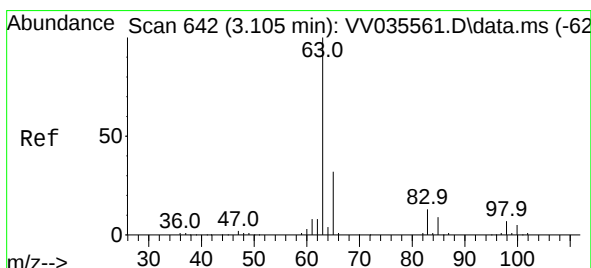
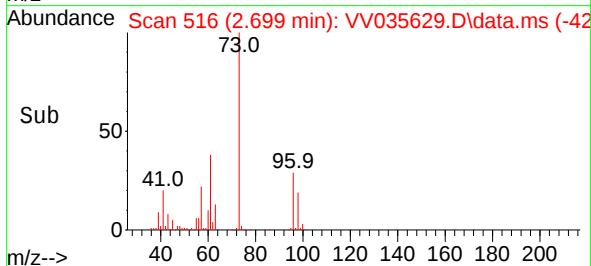
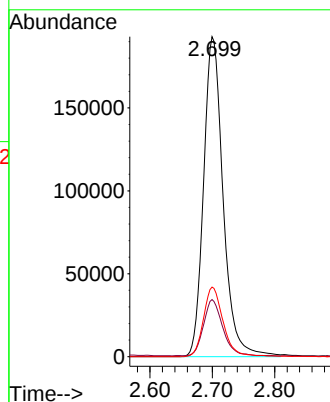
Tgt Ion: 73 Resp: 421104

Ion Ratio Lower Upper

73 100

43 17.1 13.3 19.9

57 21.7 17.4 26.2



#19

1,1-Dichloroethane

Concen: 25.243 ug/L

RT: 3.105 min Scan# 642

Delta R.T. -0.000 min

Lab File: VV035629.D

Acq: 20 May 2024 09:59

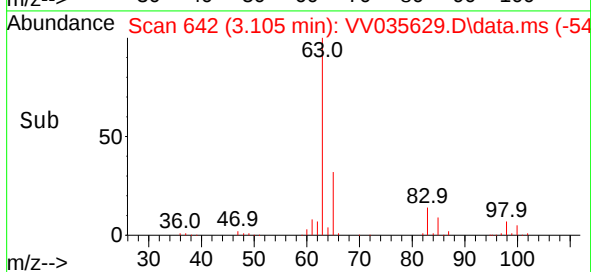
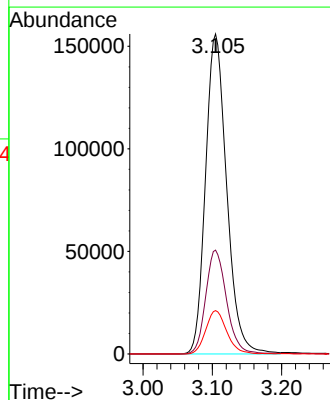
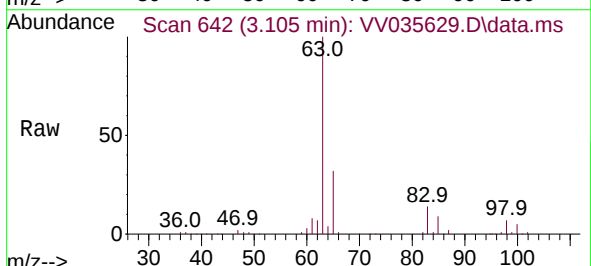
Tgt Ion: 63 Resp: 330627

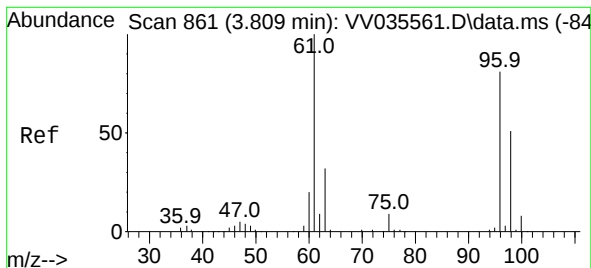
Ion Ratio Lower Upper

63 100

65 32.5 22.7 42.3

83 13.5 9.7 17.9





#20

cis-1,2-Dichloroethene

Concen: 23.884 ug/L

RT: 3.809 min Scan# 861

Delta R.T. -0.000 min

Lab File: VV035629.D

Acq: 20 May 2024 09:59

Instrument :

MSVOA_V

ClientSampleId :

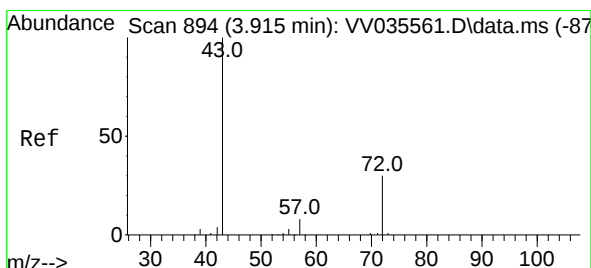
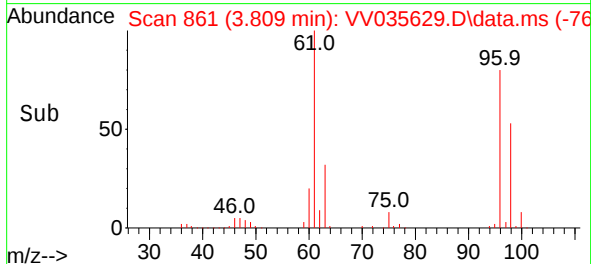
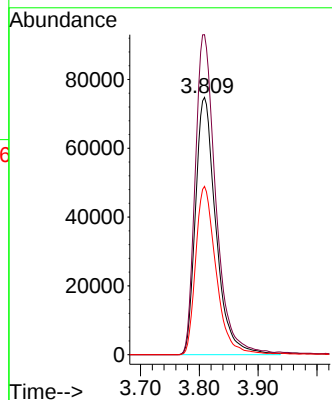
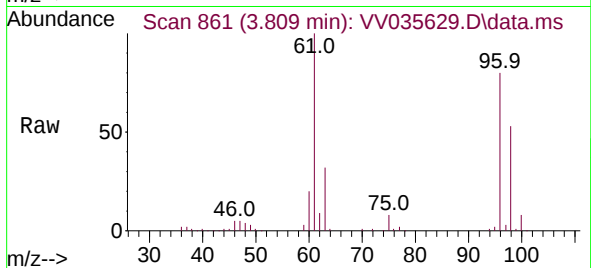
Tgt Ion: 96 Resp: 180893

Ion Ratio Lower Upper

96 100

61 124.4 83.9 155.9

98 65.5 44.0 81.8



#22

2-Butanone

Concen: 40.946 ug/L

RT: 3.905 min Scan# 891

Delta R.T. -0.007 min

Lab File: VV035629.D

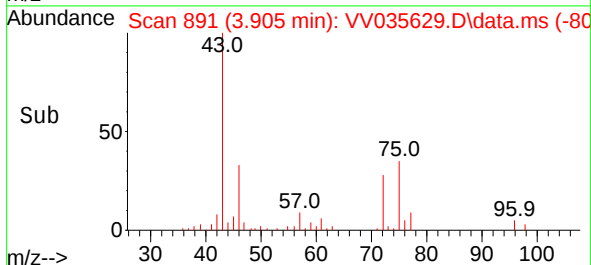
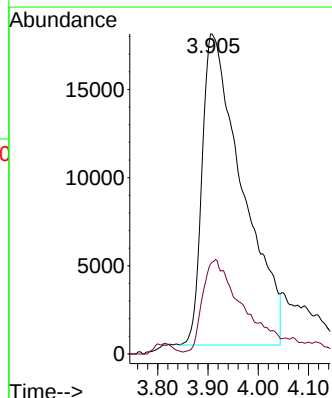
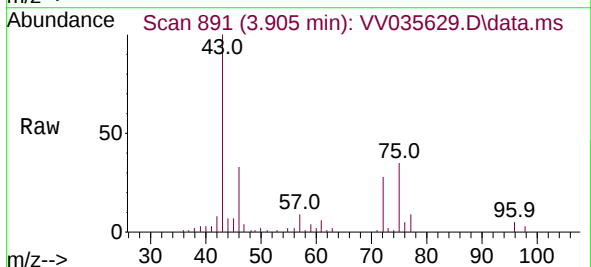
Acq: 20 May 2024 09:59

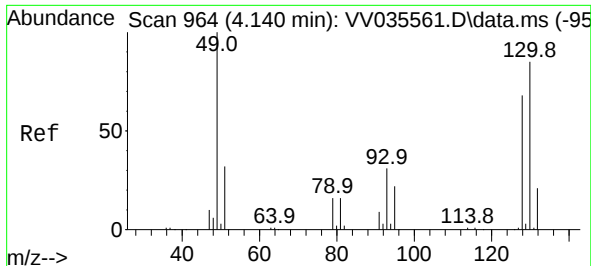
Tgt Ion: 43 Resp: 97953

Ion Ratio Lower Upper

43 100

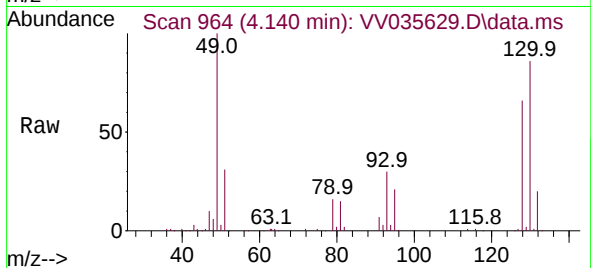
72 12.6 12.3 36.9



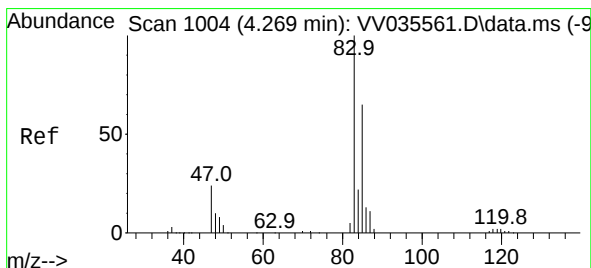
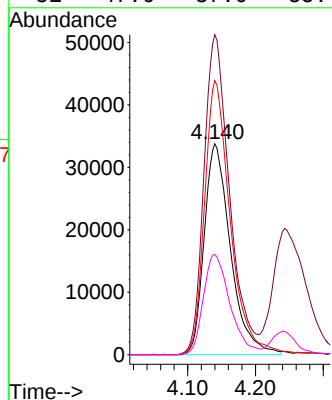
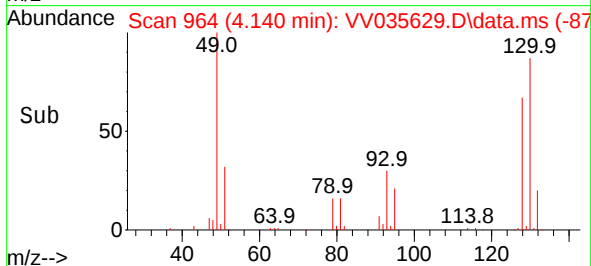


#23
Bromochloromethane
Concen: 24.779 ug/L
RT: 4.140 min Scan# 90
Delta R.T. -0.003 min
Lab File: VV035629.D
Acq: 20 May 2024 09:59

Instrument :
MSVOA_V
ClientSampleId :

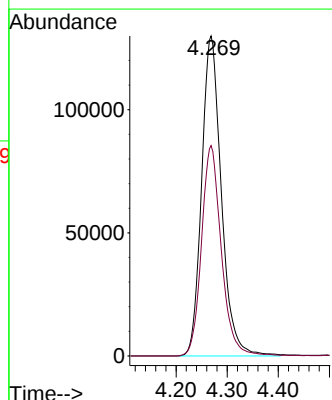
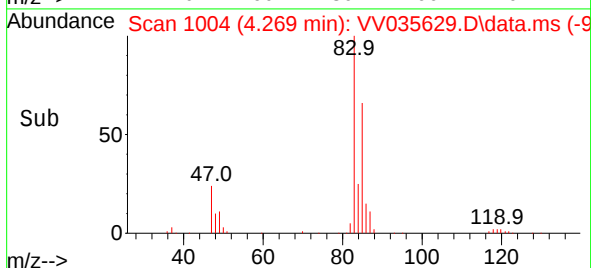
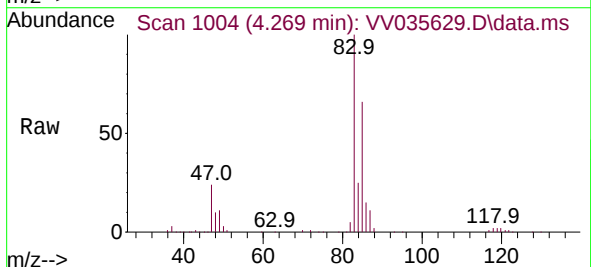


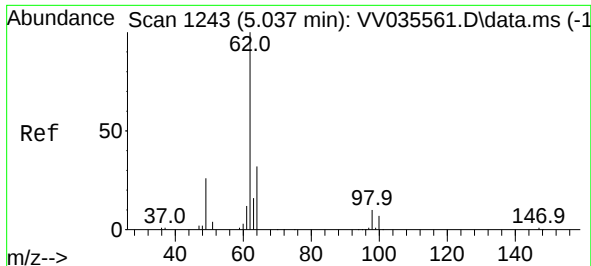
Tgt Ion:128 Resp: 90770
Ion Ratio Lower Upper
128 100
49 151.7 103.1 191.5
130 130.0 91.8 170.4
51 47.6 37.0 55.4



#25
Chloroform
Concen: 25.739 ug/L
RT: 4.269 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VV035629.D
Acq: 20 May 2024 09:59

Tgt Ion: 83 Resp: 348125
Ion Ratio Lower Upper
83 100
85 65.8 44.7 82.9

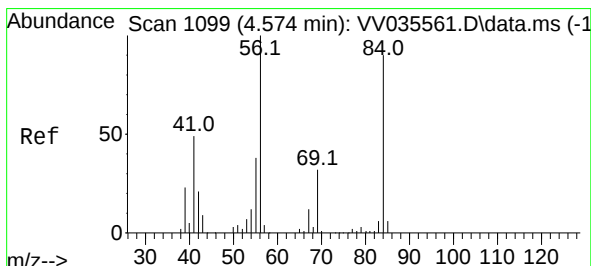
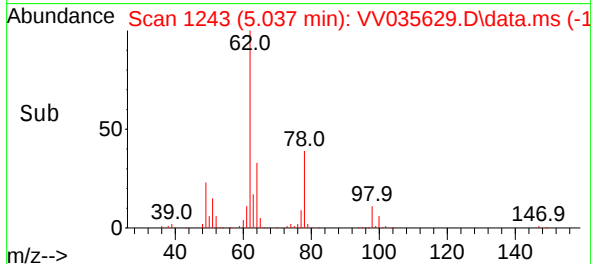
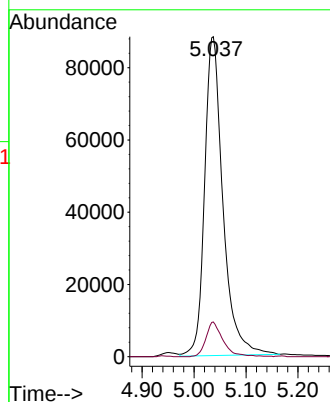
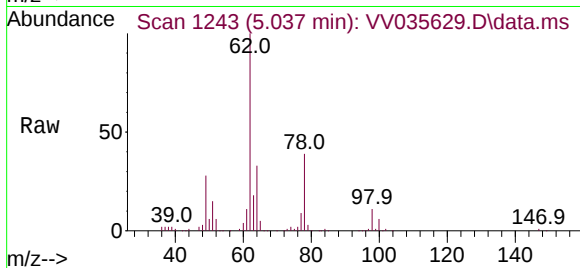




#27
1,2-Dichloroethane
Concen: 25.707 ug/L
RT: 5.037 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV035629.D
Acq: 20 May 2024 09:59

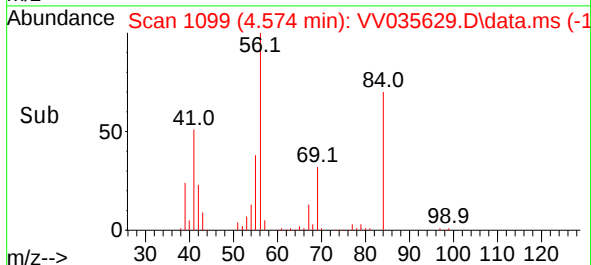
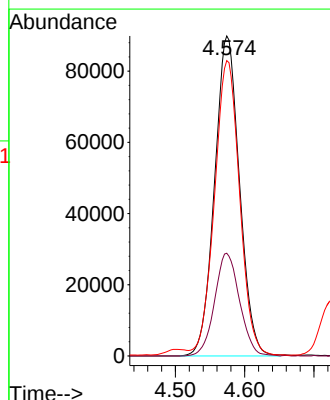
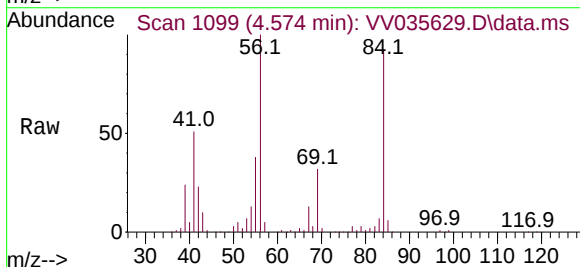
Instrument :
MSVOA_V
ClientSampleId :

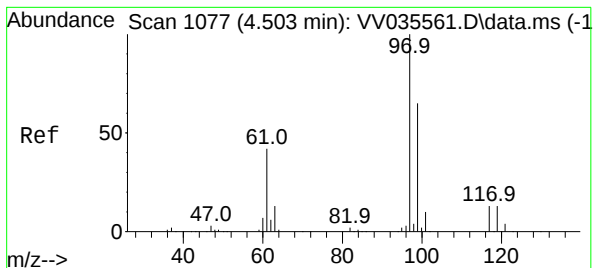
Tgt Ion: 62 Resp: 216511
Ion Ratio Lower Upper
62 100
98 10.9 8.2 12.2



#29
Cyclohexane
Concen: 22.610 ug/L
RT: 4.574 min Scan# 1099
Delta R.T. -0.000 min
Lab File: VV035629.D
Acq: 20 May 2024 09:59

Tgt Ion: 56 Resp: 224775
Ion Ratio Lower Upper
56 100
69 32.1 25.6 38.4
84 92.3 74.8 112.2





#30

1,1,1-Trichloroethane

Concen: 25.030 ug/L

RT: 4.503 min Scan# 110

Delta R.T. 0.000 min

Lab File: VV035629.D

Acq: 20 May 2024 09:59

Instrument :

MSVOA_V

ClientSampleId :

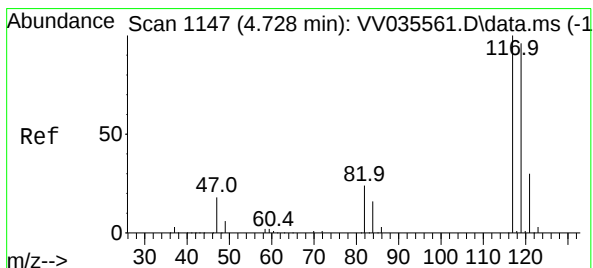
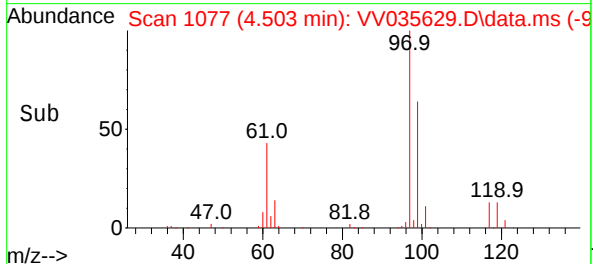
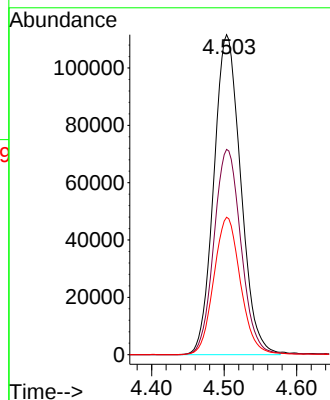
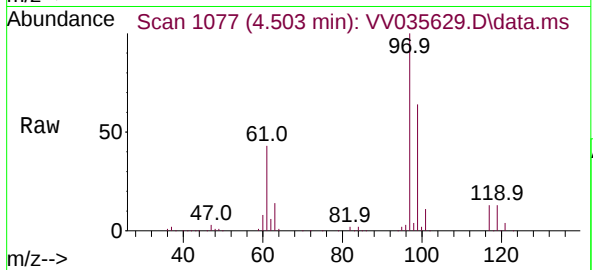
Tgt Ion: 97 Resp: 288521

Ion Ratio Lower Upper

97 100

99 64.7 51.7 77.5

61 42.7 33.5 50.3



#31

Carbon tetrachloride

Concen: 24.611 ug/L

RT: 4.725 min Scan# 1146

Delta R.T. -0.003 min

Lab File: VV035629.D

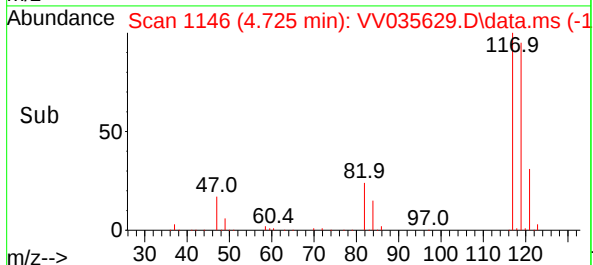
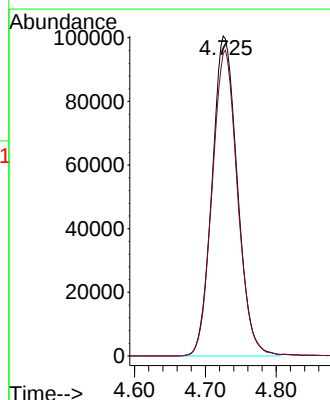
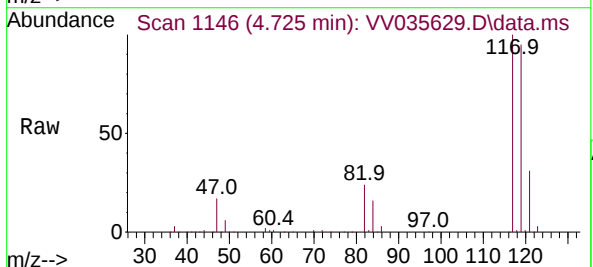
Acq: 20 May 2024 09:59

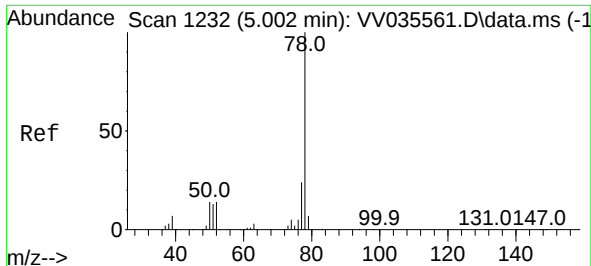
Tgt Ion:117 Resp: 248908

Ion Ratio Lower Upper

117 100

119 95.8 77.3 115.9

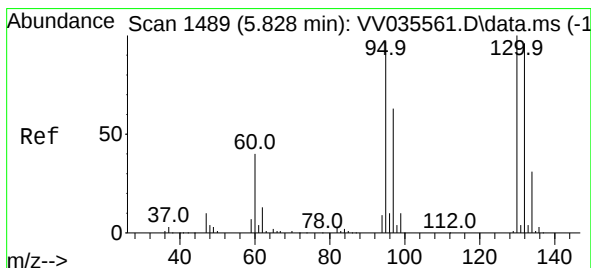
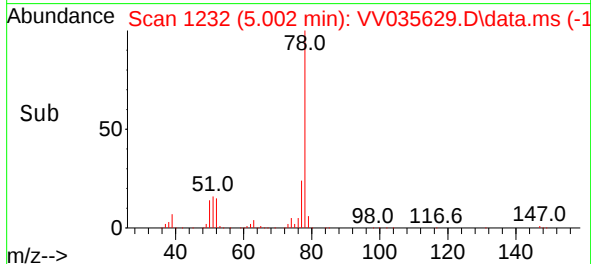
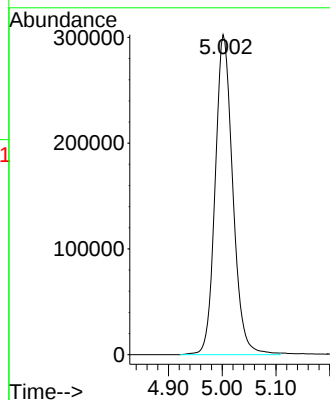
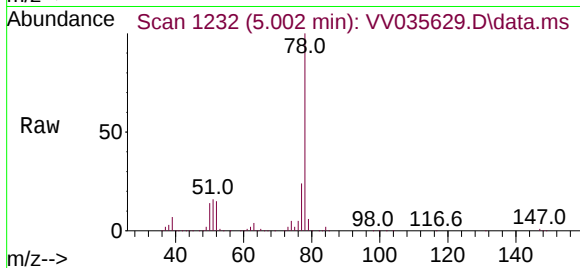




#33
Benzene
Concen: 25.047 ug/L
RT: 5.002 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VV035629.D
Acq: 20 May 2024 09:59

Instrument :
MSVOA_V
ClientSampleId :

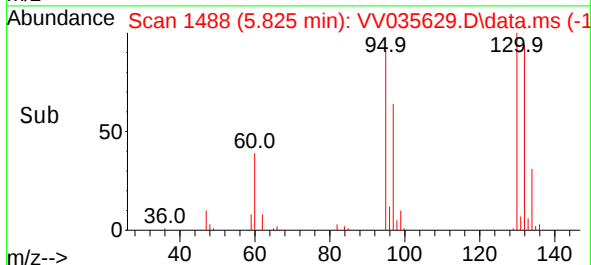
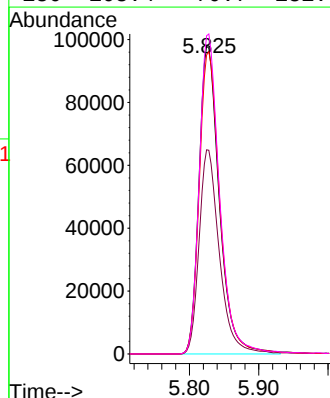
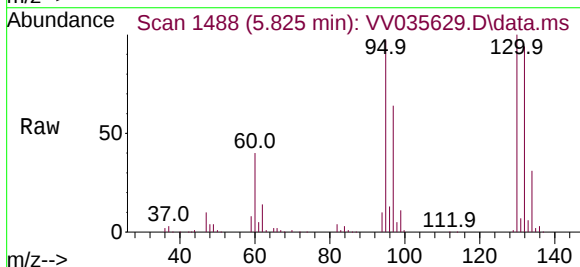
Tgt Ion: 78 Resp: 689157

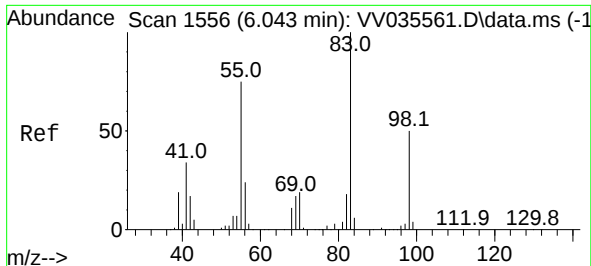


#34
Trichloroethene
Concen: 25.792 ug/L
RT: 5.825 min Scan# 1488
Delta R.T. -0.003 min
Lab File: VV035629.D
Acq: 20 May 2024 09:59

Tgt Ion: 95 Resp: 200734

Ion	Ratio	Lower	Upper
95	100		
97	66.4	43.8	81.4
132	97.2	67.1	124.7
130	103.4	70.7	131.3





#35

Methylcyclohexane

Concen: 22.629 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VV035629.D

Acq: 20 May 2024 09:59

Instrument :

MSVOA_V

ClientSampleId :

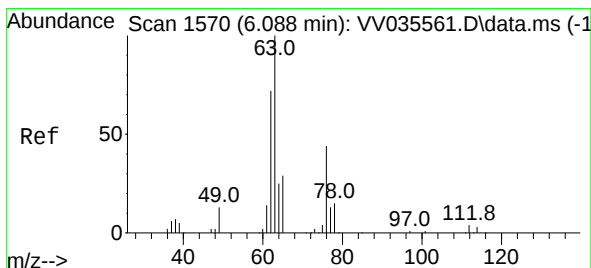
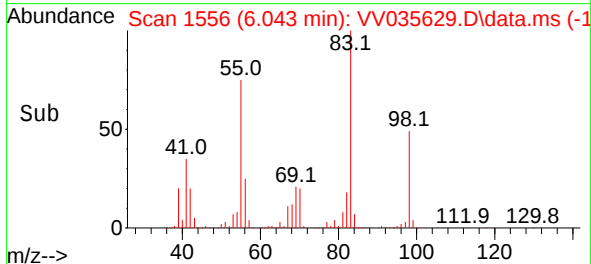
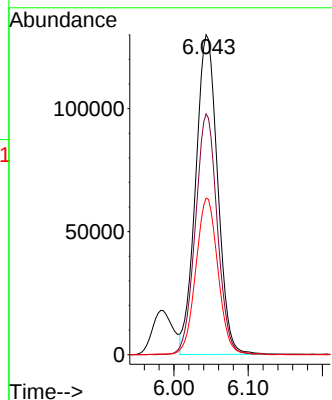
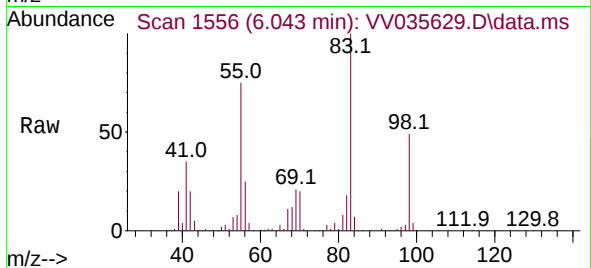
Tgt Ion: 83 Resp: 267387

Ion Ratio Lower Upper

83 100

55 74.9 57.5 86.3

98 49.4 38.6 58.0



#37

1,2-Dichloropropane

Concen: 26.268 ug/L

RT: 6.085 min Scan# 1569

Delta R.T. -0.003 min

Lab File: VV035629.D

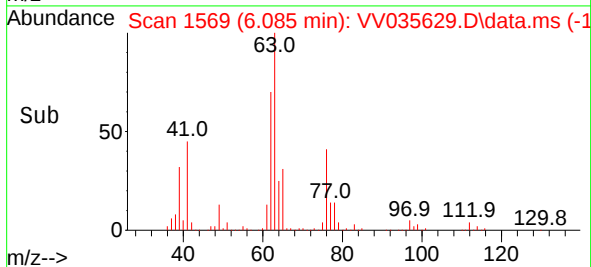
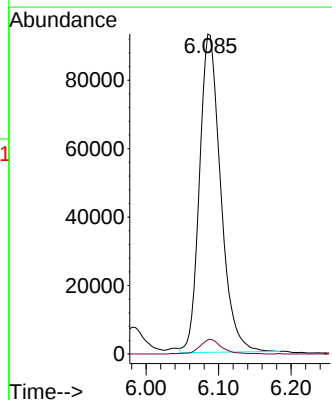
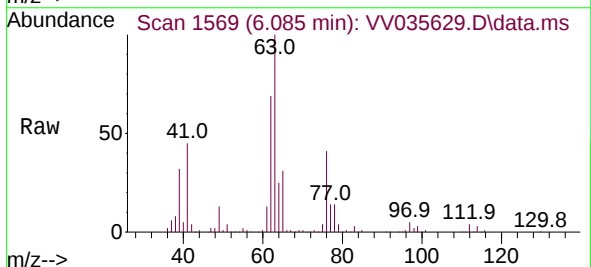
Acq: 20 May 2024 09:59

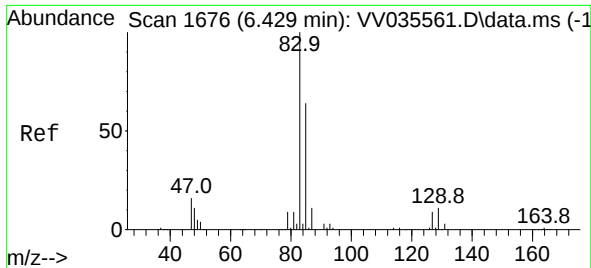
Tgt Ion: 63 Resp: 188563

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6





#38

Bromodichloromethane

Concen: 25.672 ug/L

RT: 6.426 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV035629.D

Acq: 20 May 2024 09:59

Instrument :

MSVOA_V

ClientSampleId :

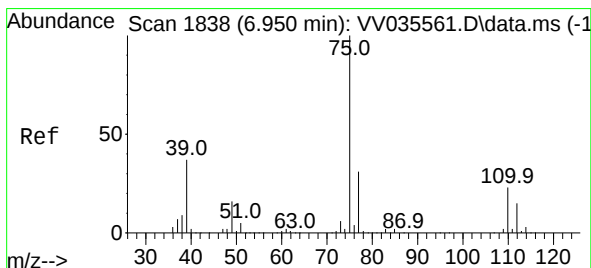
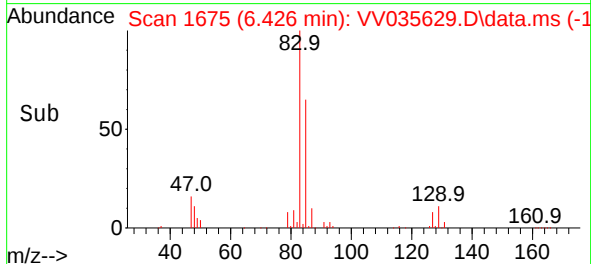
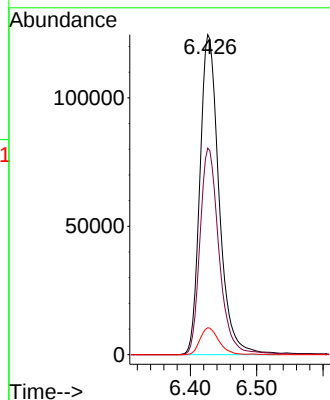
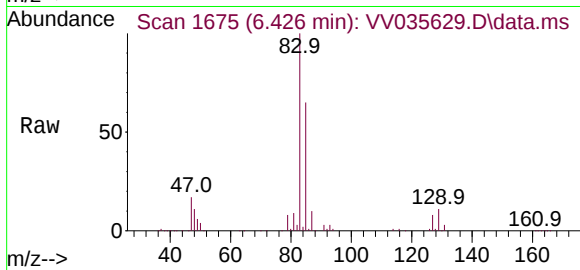
Tgt Ion: 83 Resp: 249645

Ion Ratio Lower Upper

83 100

85 64.6 45.1 83.9

127 8.4 7.0 10.6



#39

cis-1,3-Dichloropropene

Concen: 24.898 ug/L

RT: 6.950 min Scan# 1838

Delta R.T. 0.000 min

Lab File: VV035629.D

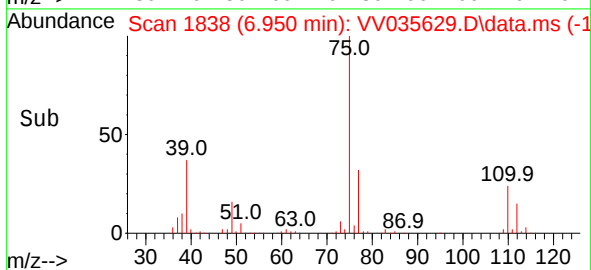
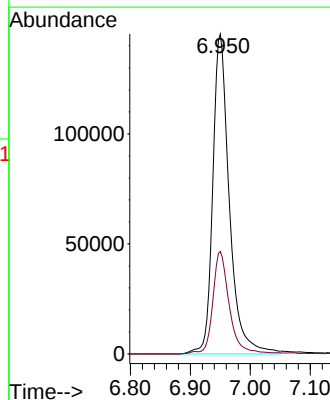
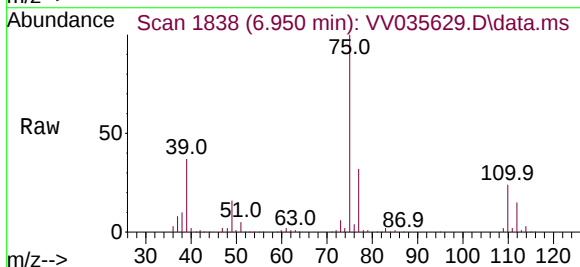
Acq: 20 May 2024 09:59

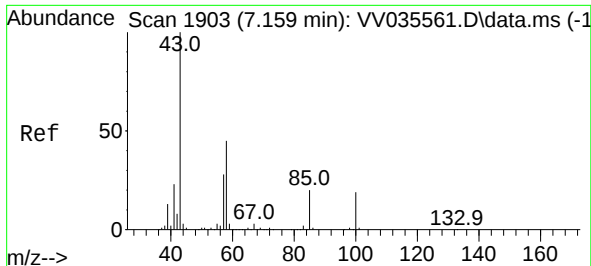
Tgt Ion: 75 Resp: 279546

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.9





#40

4-Methyl-2-pentanone

Concen: 51.509 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV035629.D

Acq: 20 May 2024 09:59

Instrument :

MSVOA_V

ClientSampleId :

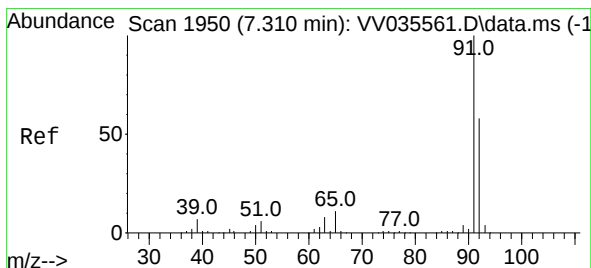
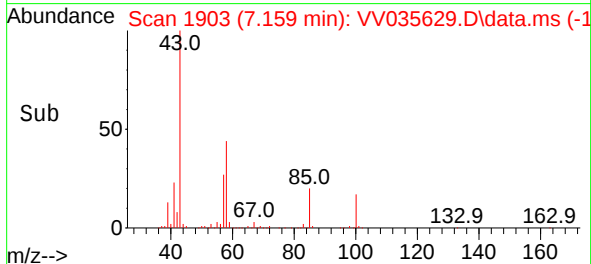
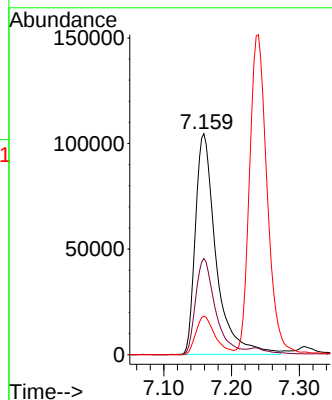
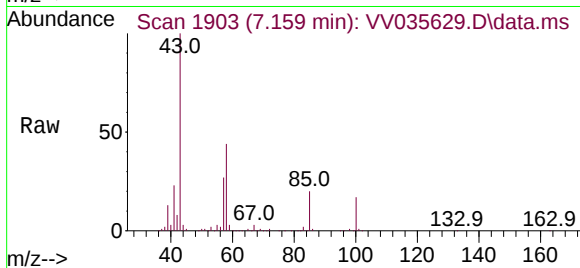
Tgt Ion: 43 Resp: 221447

Ion Ratio Lower Upper

43 100

58 41.9 34.8 52.2

100 16.3 13.9 20.9



#42

Toluene

Concen: 25.632 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV035629.D

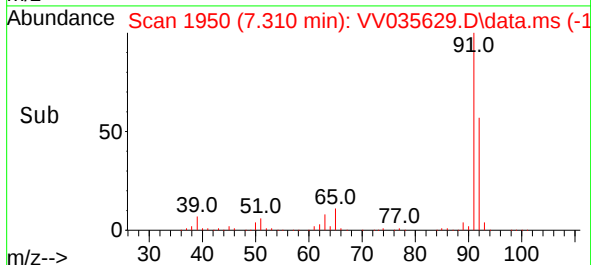
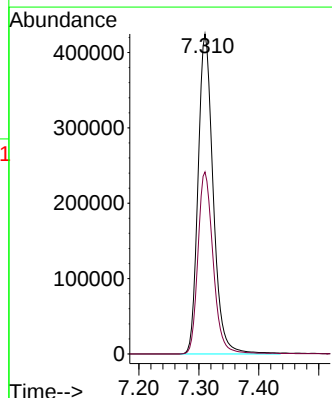
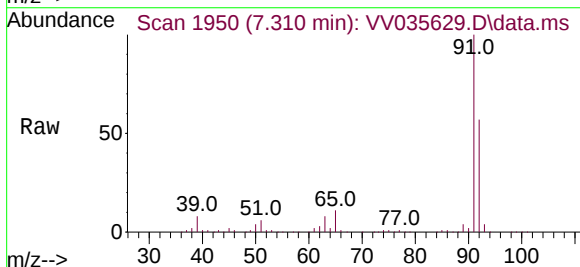
Acq: 20 May 2024 09:59

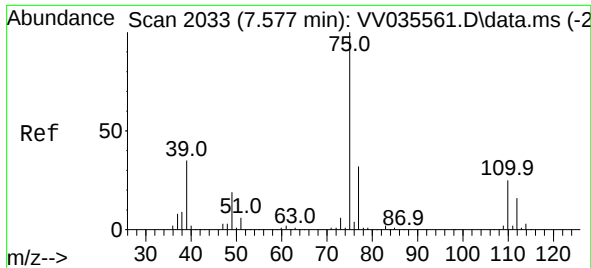
Tgt Ion: 91 Resp: 746330

Ion Ratio Lower Upper

91 100

92 56.9 40.2 74.6

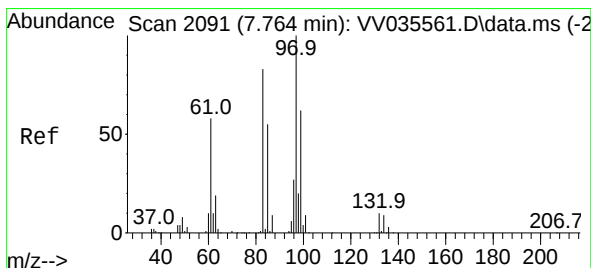
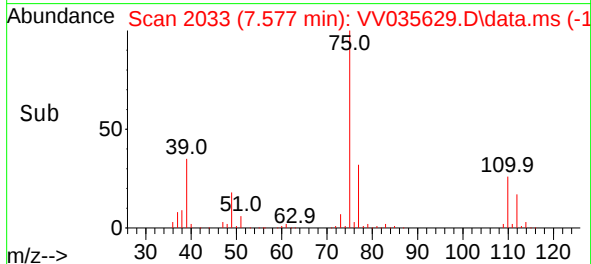
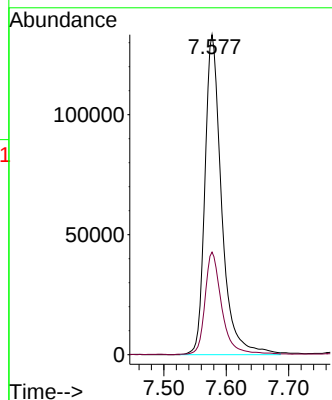
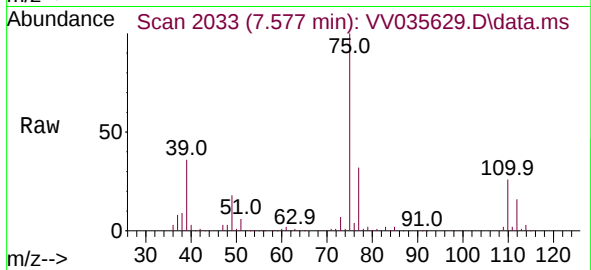




#44
trans-1,3-Dichloropropene
Concen: 25.339 ug/L
RT: 7.577 min Scan# 2033
Delta R.T. 0.000 min
Lab File: VV035629.D
Acq: 20 May 2024 09:59

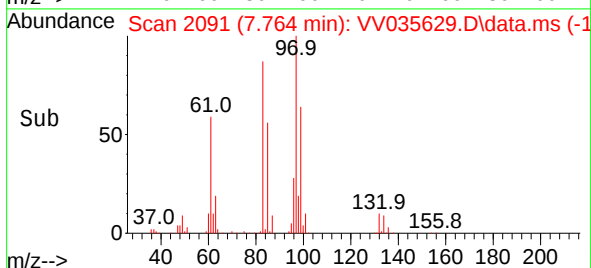
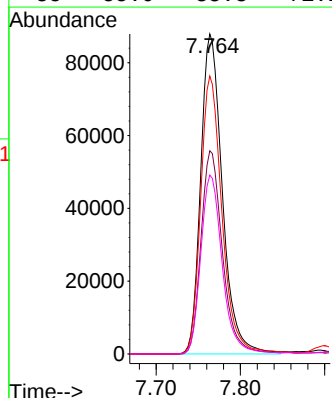
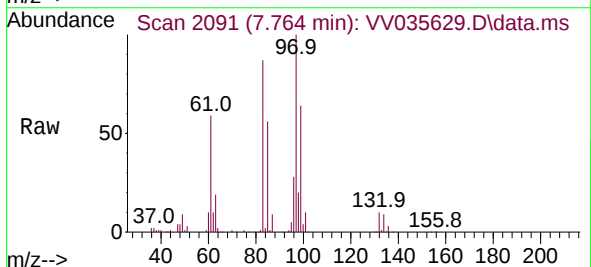
Instrument :
MSVOA_V
ClientSampleId :

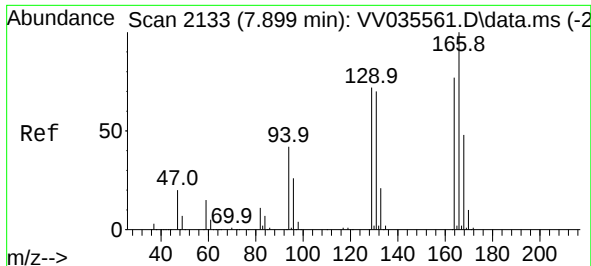
Tgt Ion: 75 Resp: 248873
Ion Ratio Lower Upper
75 100
77 32.1 22.4 41.6



#45
1,1,2-Trichloroethane
Concen: 25.818 ug/L
RT: 7.764 min Scan# 2091
Delta R.T. -0.000 min
Lab File: VV035629.D
Acq: 20 May 2024 09:59

Tgt Ion: 97 Resp: 157472
Ion Ratio Lower Upper
97 100
99 63.5 43.3 80.3
83 86.9 60.3 111.9
85 55.9 38.3 71.1





#46

Tetrachloroethene

Concen: 24.206 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. -0.000 min

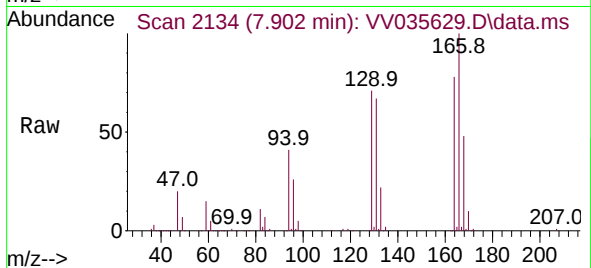
Lab File: VV035629.D

Acq: 20 May 2024 09:59

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 153053

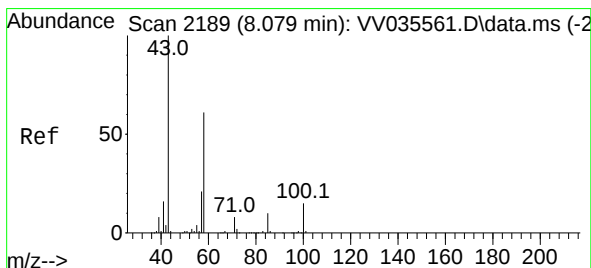
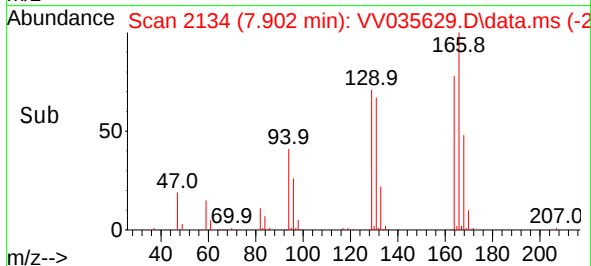
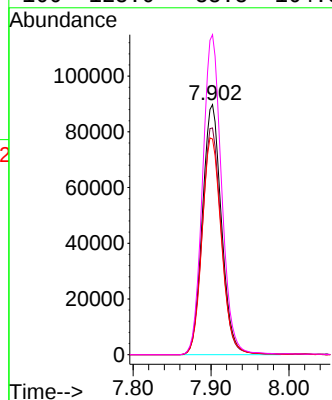
Ion Ratio Lower Upper

164 100

129 90.7 63.4 117.8

131 86.2 61.0 113.4

166 128.0 88.8 164.8



#48

2-Hexanone

Concen: 52.097 ug/L

RT: 8.079 min Scan# 2189

Delta R.T. -0.000 min

Lab File: VV035629.D

Acq: 20 May 2024 09:59

Tgt Ion: 43 Resp: 167931

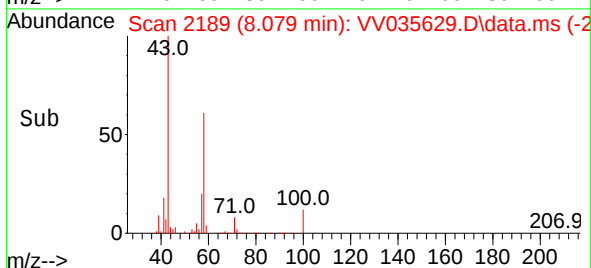
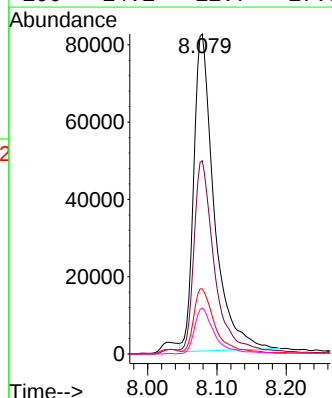
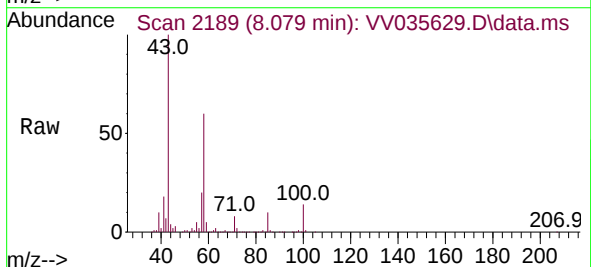
Ion Ratio Lower Upper

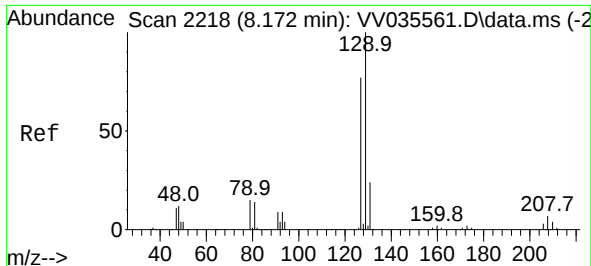
43 100

58 60.9 48.8 73.2

57 21.4 16.9 25.3

100 14.1 11.7 17.5





#49

Dibromochloromethane

Concen: 26.025 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. -0.000 min MSVOA_V

Lab File: VV035629.D

Acq: 20 May 2024 09:59

Instrument :

MSVOA_V

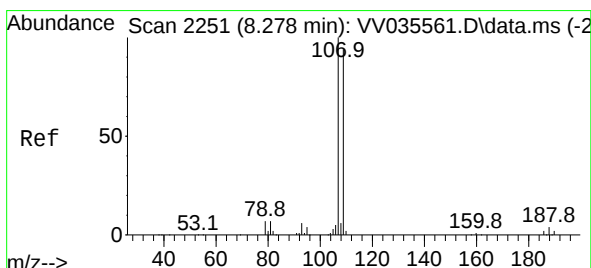
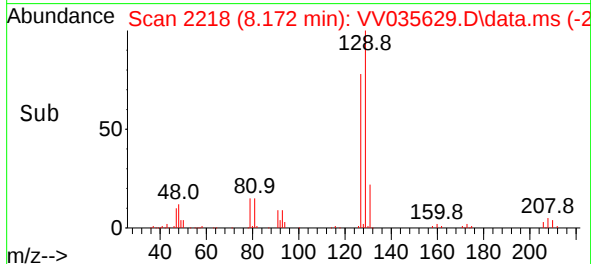
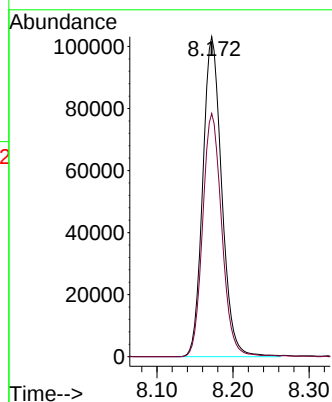
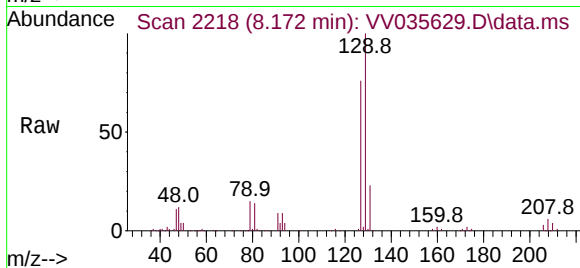
ClientSampleId :

Tgt Ion:129 Resp: 179112

Ion Ratio Lower Upper

129 100

127 76.0 53.8 99.8



#50

1,2-Dibromoethane

Concen: 25.373 ug/L

RT: 8.278 min Scan# 2251

Delta R.T. 0.000 min

Lab File: VV035629.D

Acq: 20 May 2024 09:59

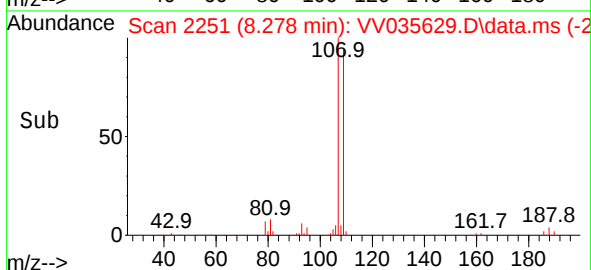
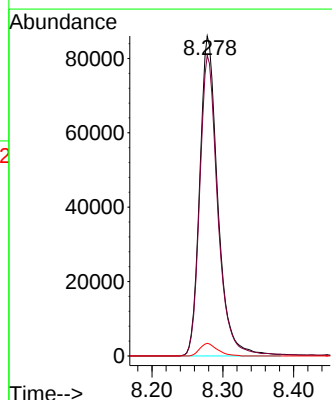
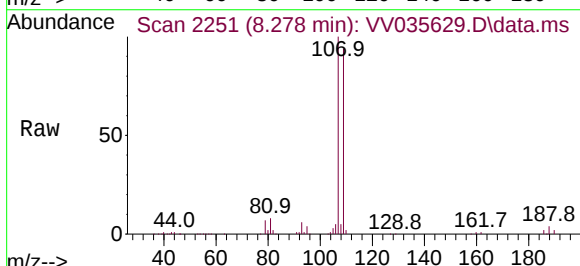
Tgt Ion:107 Resp: 152460

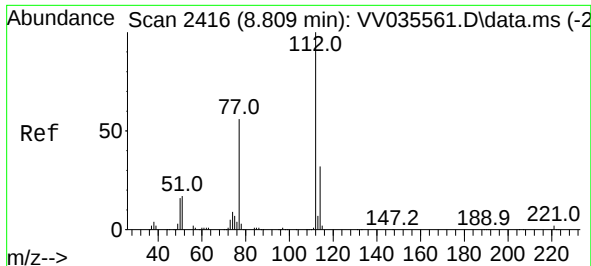
Ion Ratio Lower Upper

107 100

109 93.9 65.4 121.4

188 3.9 2.9 4.3

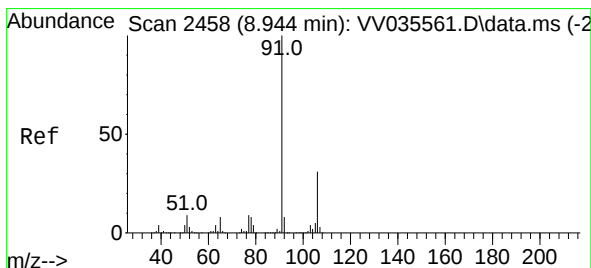
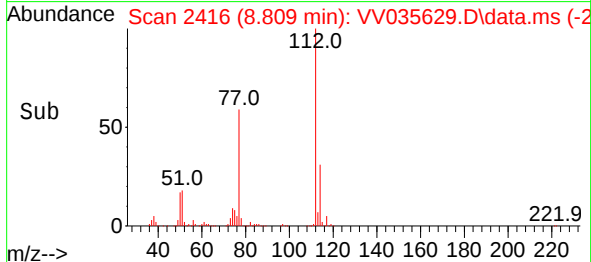
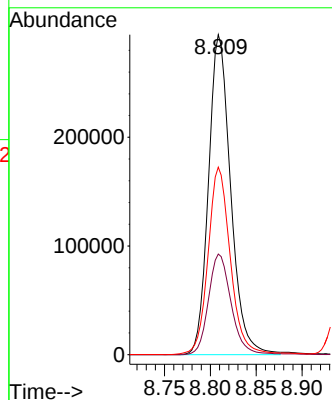
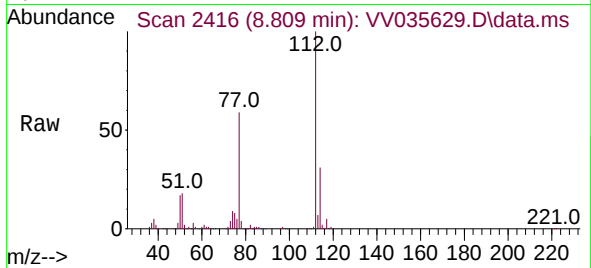




#51
Chlorobenzene
Concen: 24.511 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. -0.000 min
Lab File: VV035629.D
Acq: 20 May 2024 09:59

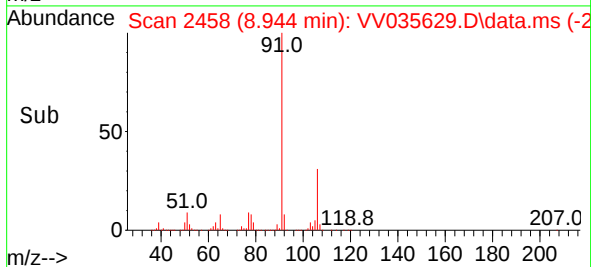
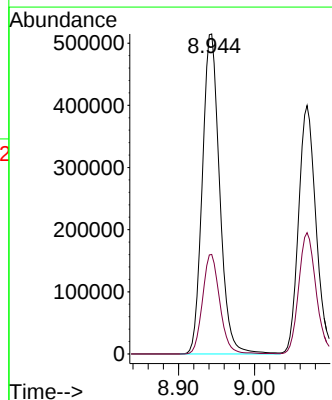
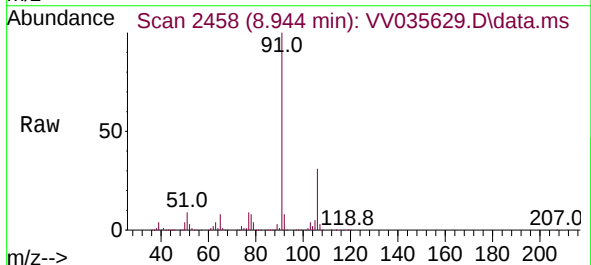
Instrument :
MSVOA_V
ClientSampleId :

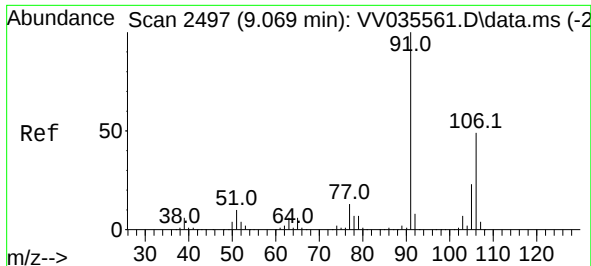
Tgt Ion:112 Resp: 495222
Ion Ratio Lower Upper
112 100
114 31.4 22.5 41.7
77 58.6 46.6 69.8



#52
Ethylbenzene
Concen: 25.345 ug/L
RT: 8.944 min Scan# 2458
Delta R.T. -0.000 min
Lab File: VV035629.D
Acq: 20 May 2024 09:59

Tgt Ion: 91 Resp: 814807
Ion Ratio Lower Upper
91 100
106 31.1 21.7 40.3





#53

m,p-Xylene

Concen: 25.446 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. -0.000 min

Lab File: VV035629.D

Acq: 20 May 2024 09:59

Instrument :

MSVOA_V

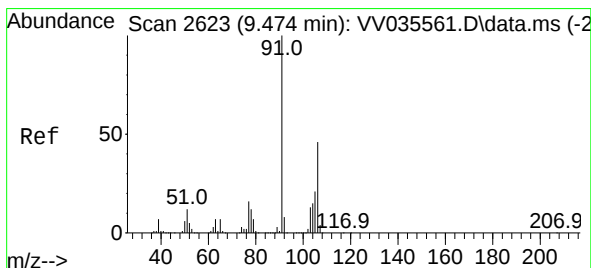
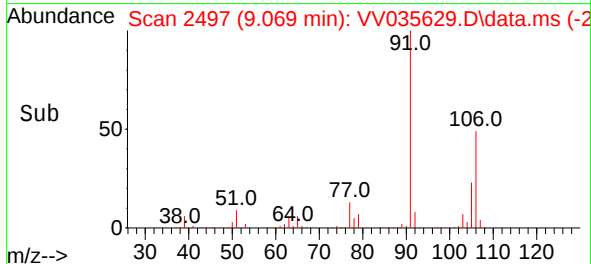
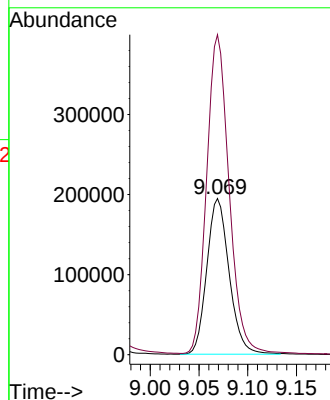
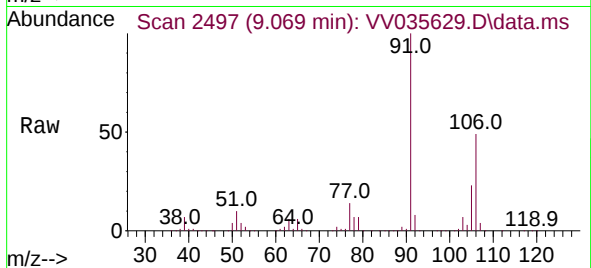
ClientSampleId :

Tgt Ion:106 Resp: 310371

Ion Ratio Lower Upper

106 100

91 204.8 142.7 264.9



#54

o-Xylene

Concen: 25.501 ug/L

RT: 9.474 min Scan# 2623

Delta R.T. 0.000 min

Lab File: VV035629.D

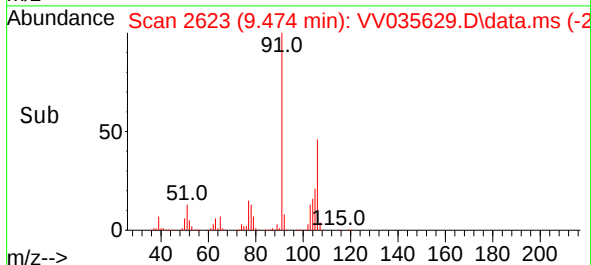
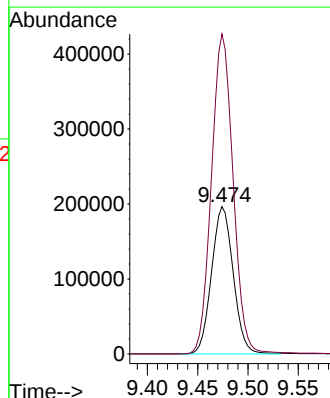
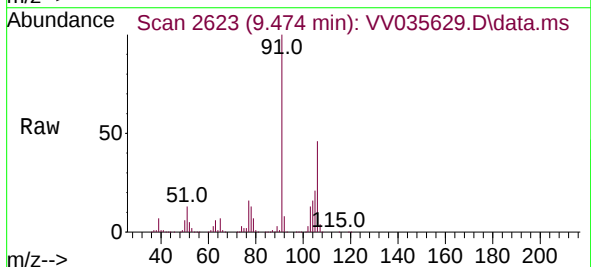
Acq: 20 May 2024 09:59

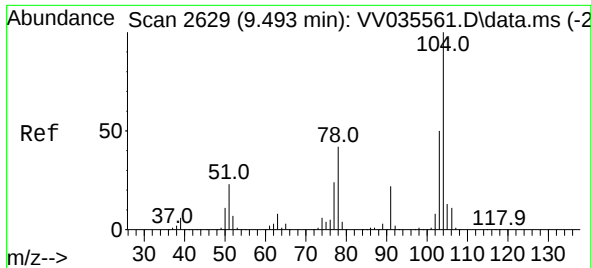
Tgt Ion:106 Resp: 294790

Ion Ratio Lower Upper

106 100

91 217.2 150.9 280.3

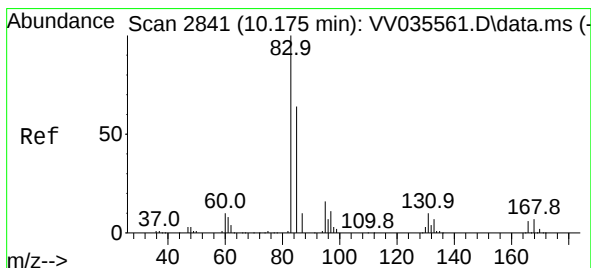
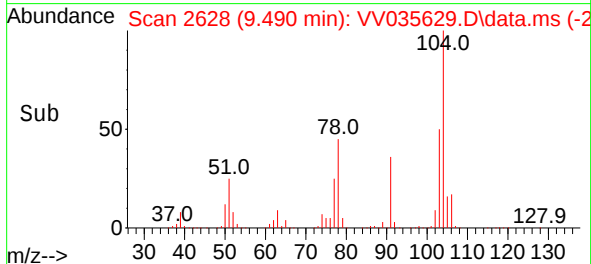
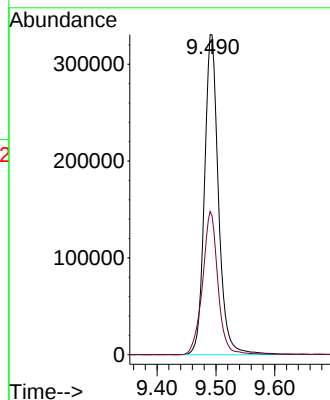
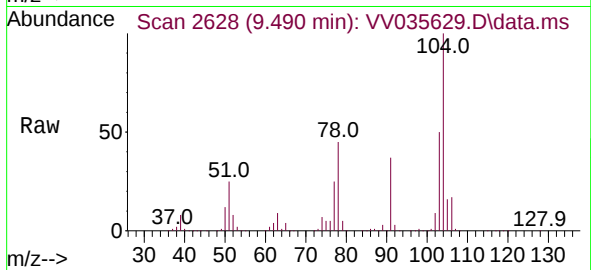




#55
Styrene
Concen: 27.165 ug/L
RT: 9.490 min Scan# 20
Delta R.T. -0.003 min
Lab File: VV035629.D
Acq: 20 May 2024 09:59

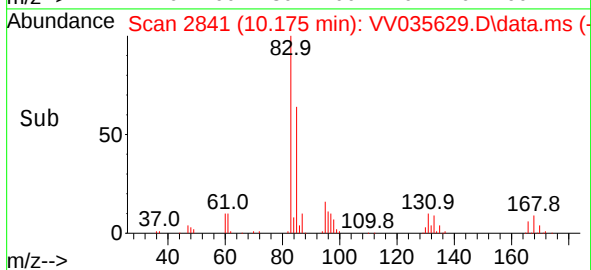
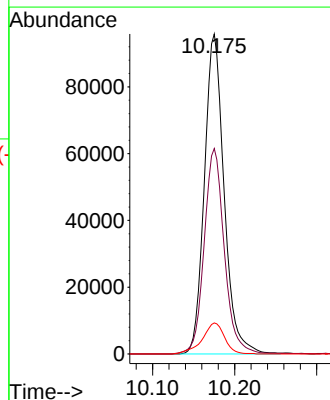
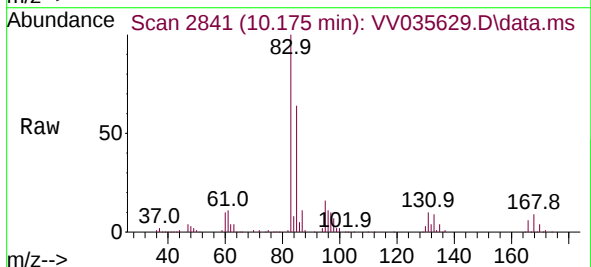
Instrument :
MSVOA_V
ClientSampleId :

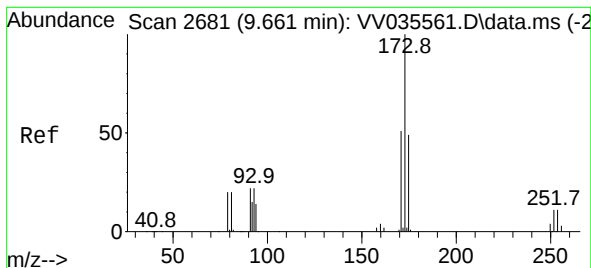
Tgt Ion:104 Resp: 547723
Ion Ratio Lower Upper
104 100
78 44.7 30.0 55.6



#57
1,1,2,2-Tetrachloroethane
Concen: 21.529 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV035629.D
Acq: 20 May 2024 09:59

Tgt Ion: 83 Resp: 159959
Ion Ratio Lower Upper
83 100
85 64.2 44.7 83.1
131 9.7 8.0 12.0





#59

Bromoform

Concen: 24.168 ug/L

RT: 9.661 min Scan# 2

Delta R.T. -0.000 min

Lab File: VV035629.D

Acq: 20 May 2024 09:59

Instrument :

MSVOA_V

ClientSampleId :

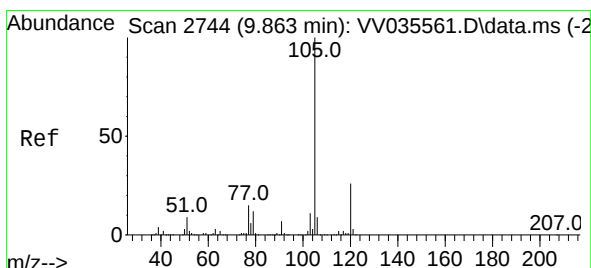
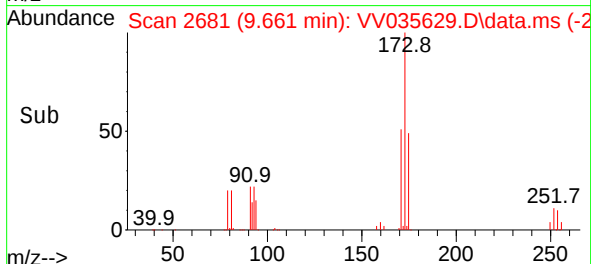
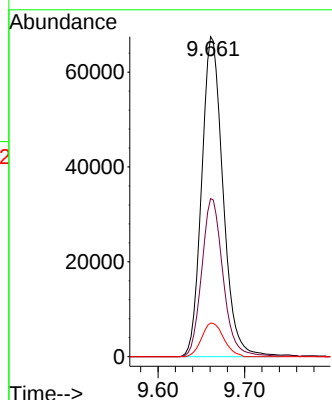
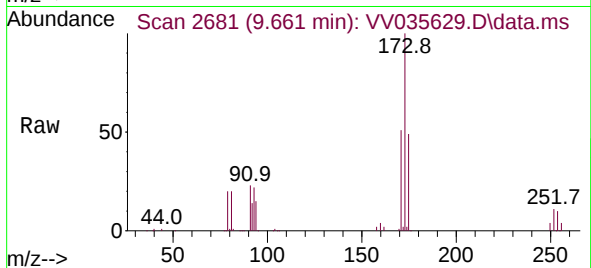
Tgt Ion:173 Resp: 115887

Ion Ratio Lower Upper

173 100

175 49.3 38.7 58.1

254 10.8 8.3 12.5



#60

Isopropylbenzene

Concen: 25.497 ug/L

RT: 9.863 min Scan# 2744

Delta R.T. 0.000 min

Lab File: VV035629.D

Acq: 20 May 2024 09:59

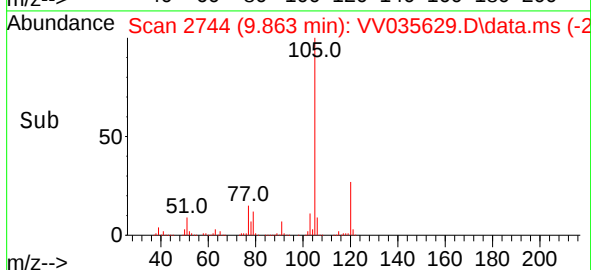
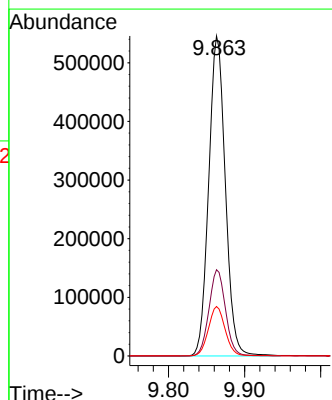
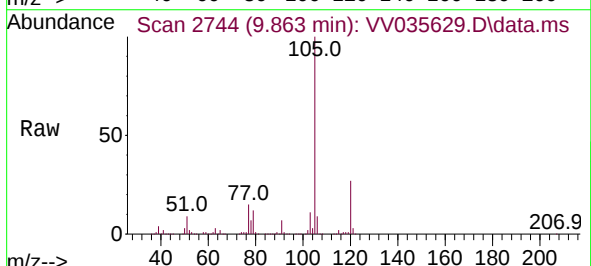
Tgt Ion:105 Resp: 828698

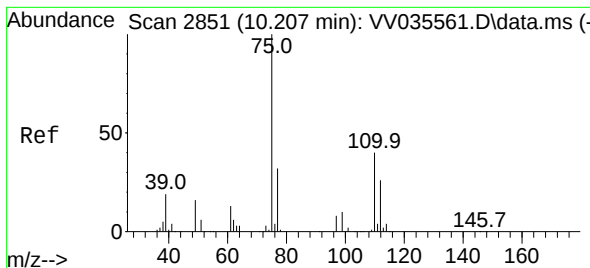
Ion Ratio Lower Upper

105 100

120 26.9 21.3 31.9

77 15.5 12.2 18.2





#61

1,2,3-Trichloropropane

Concen: 25.232 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. 0.000 min

Lab File: VV035629.D

Acq: 20 May 2024 09:59

Instrument :

MSVOA_V

ClientSampleId :

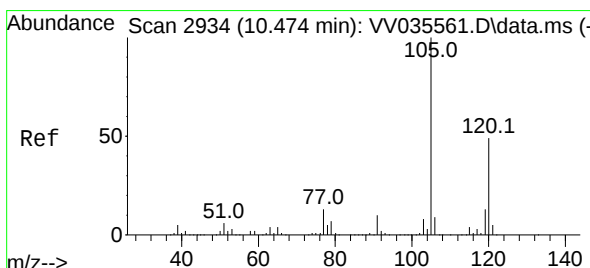
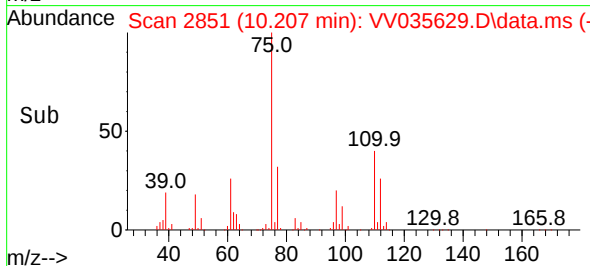
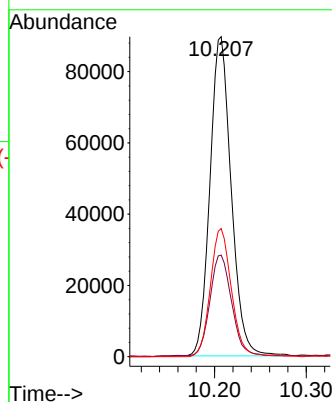
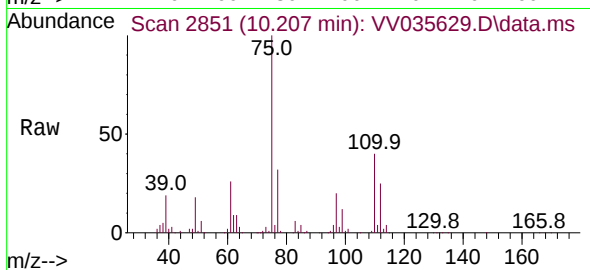
Tgt Ion: 75 Resp: 144263

Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5

110 39.8 31.8 47.8



#62

1,3,5-Trimethylbenzene

Concen: 26.195 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV035629.D

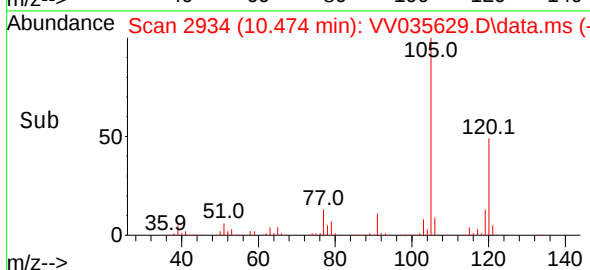
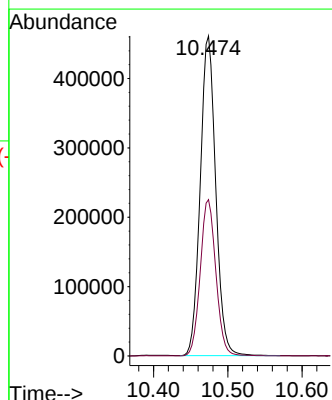
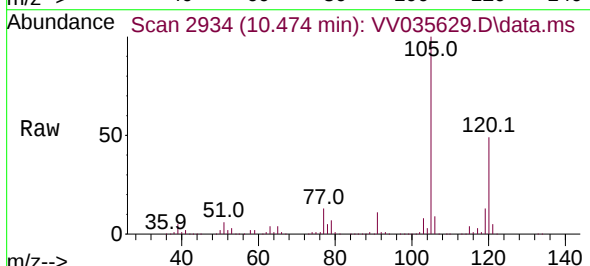
Acq: 20 May 2024 09:59

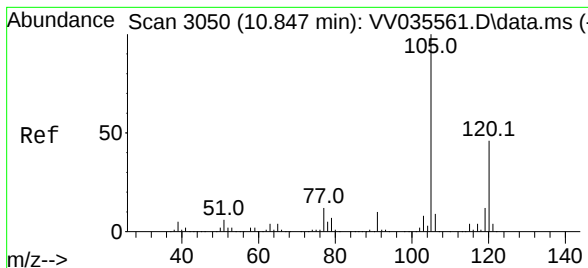
Tgt Ion:105 Resp: 667893

Ion Ratio Lower Upper

105 100

120 49.3 39.4 59.0





#63

1,2,4-Trimethylbenzene

Concen: 25.871 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. -0.003 min

Lab File: VV035629.D

Acq: 20 May 2024 09:59

Instrument :

MSVOA_V

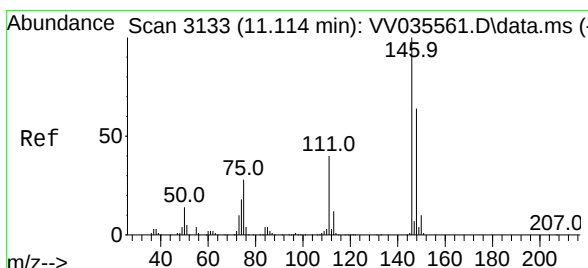
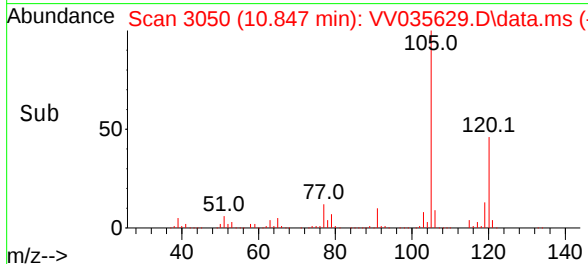
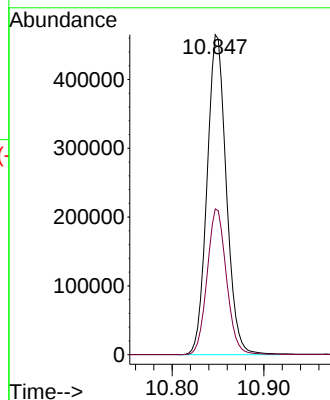
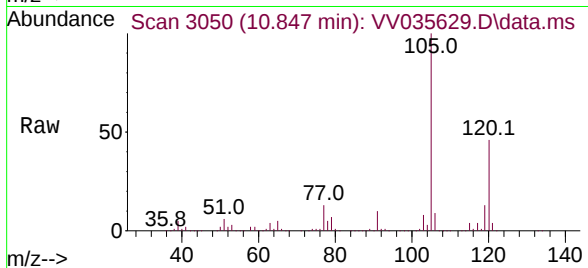
ClientSampleId :

Tgt Ion:105 Resp: 677843

Ion Ratio Lower Upper

105 100

120 45.8 36.6 55.0



#64

1,3-Dichlorobenzene

Concen: 24.959 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

Lab File: VV035629.D

Acq: 20 May 2024 09:59

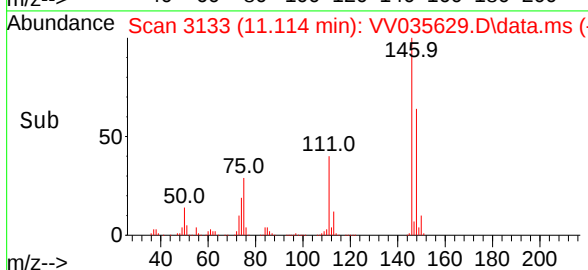
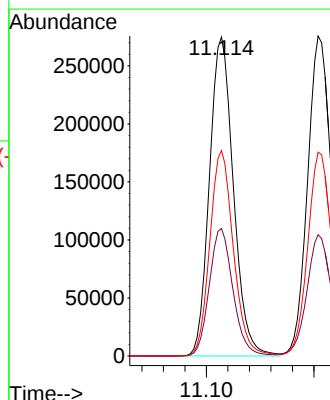
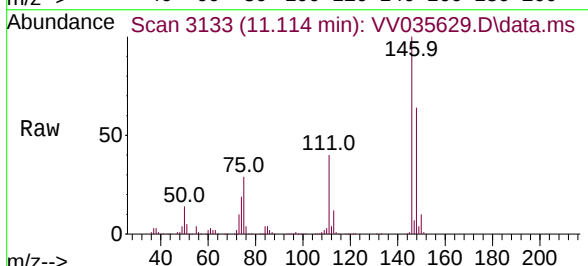
Tgt Ion:146 Resp: 425715

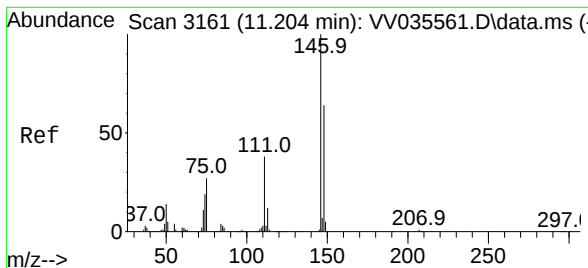
Ion Ratio Lower Upper

146 100

111 40.0 27.0 50.2

148 64.4 44.3 82.3





#65

1,4-Dichlorobenzene

Concen: 24.711 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. -0.000 min

Lab File: VV035629.D

Acq: 20 May 2024 09:59

Instrument :

MSVOA_V

ClientSampleId :

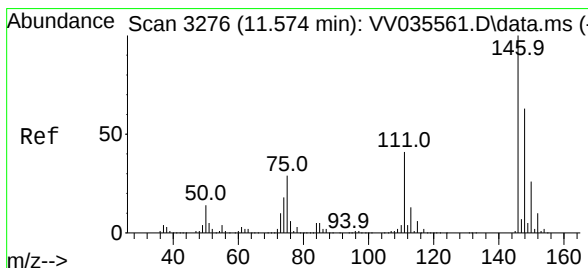
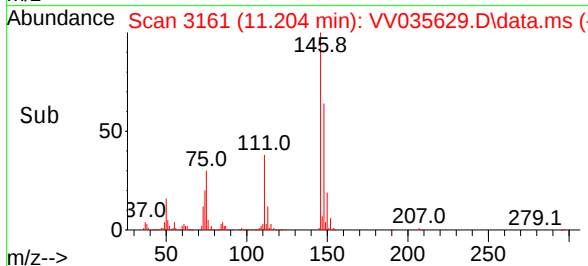
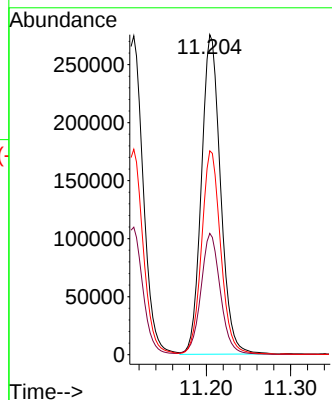
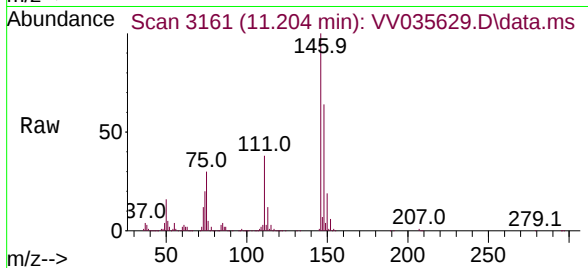
Tgt Ion:146 Resp: 436340

Ion Ratio Lower Upper

146 100

111 37.9 26.2 48.6

148 63.7 44.9 83.3



#67

1,2-Dichlorobenzene

Concen: 24.561 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. -0.003 min

Lab File: VV035629.D

Acq: 20 May 2024 09:59

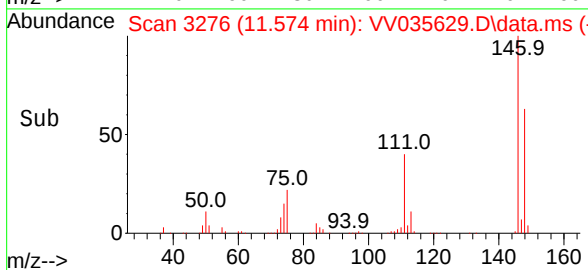
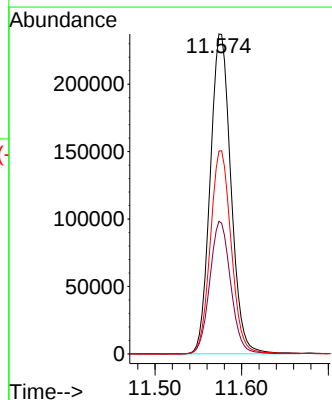
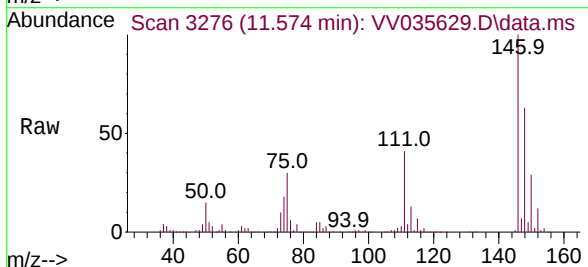
Tgt Ion:146 Resp: 394350

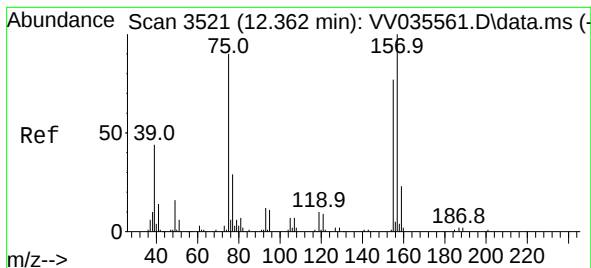
Ion Ratio Lower Upper

146 100

111 41.5 32.6 48.8

148 63.4 51.1 76.7





#68

1,2-Dibromo-3-chloropropane

Concen: 24.281 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.001 min

Lab File: VV035629.D

Acq: 20 May 2024 09:59

Instrument :

MSVOA_V

ClientSampleId :

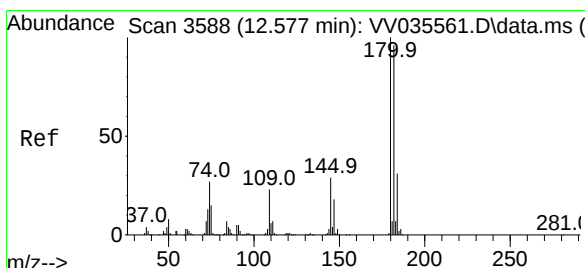
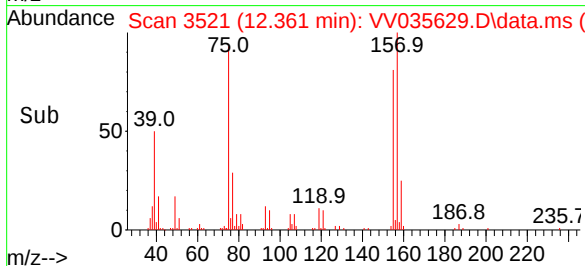
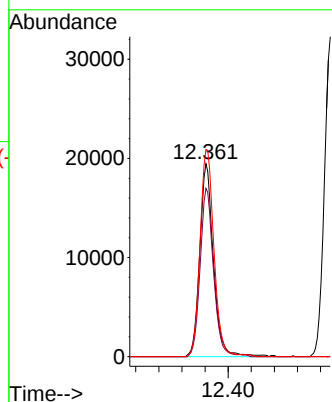
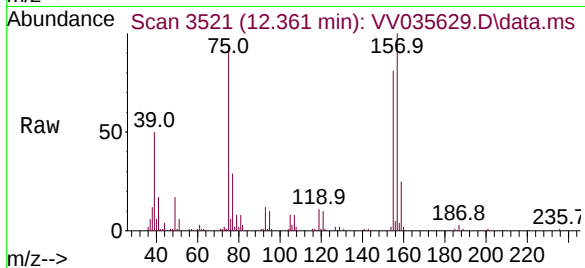
Tgt Ion: 75 Resp: 32197

Ion Ratio Lower Upper

75 100

155 87.2 69.8 104.6

157 107.3 95.0 142.6



#69

1,3,5-Trichlorobenzene

Concen: 24.223 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. -0.003 min

Lab File: VV035629.D

Acq: 20 May 2024 09:59

Tgt Ion:180 Resp: 322871

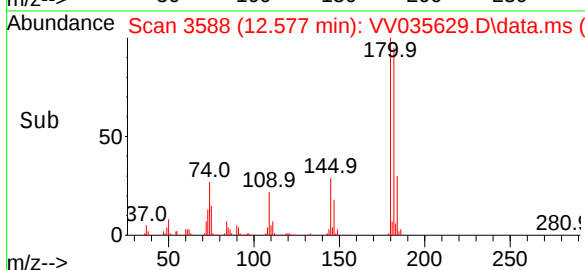
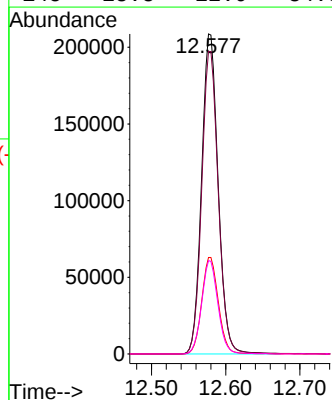
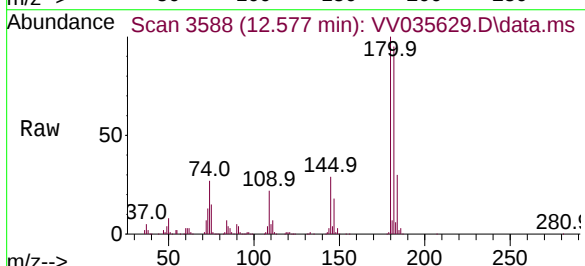
Ion Ratio Lower Upper

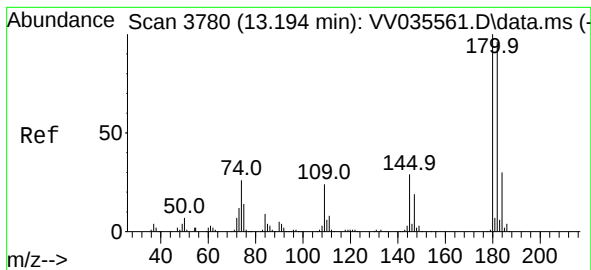
180 100

182 94.9 76.2 114.2

184 30.2 24.1 36.1

145 28.8 22.9 34.3





#70

1,2,4-trichlorobenzene

Concen: 24.013 ug/L

RT: 13.194 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV035629.D

Acq: 20 May 2024 09:59

Instrument :

MSVOA_V

ClientSampleId :

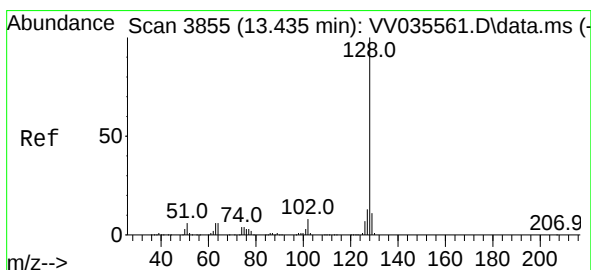
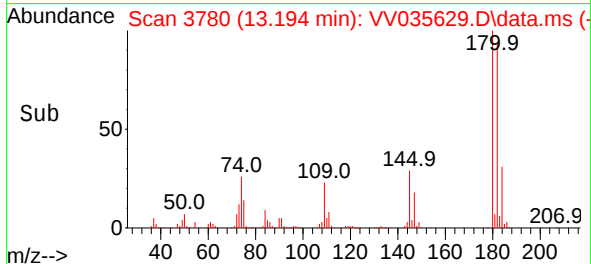
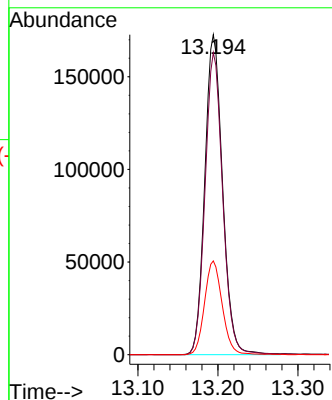
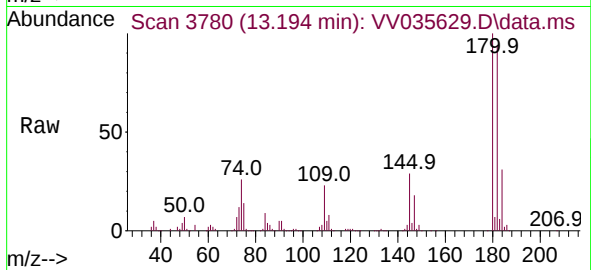
Tgt Ion:180 Resp: 267265

Ion Ratio Lower Upper

180 100

182 93.9 76.6 114.8

145 29.2 23.2 34.8



#71

Naphthalene

Concen: 23.452 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV035629.D

Acq: 20 May 2024 09:59

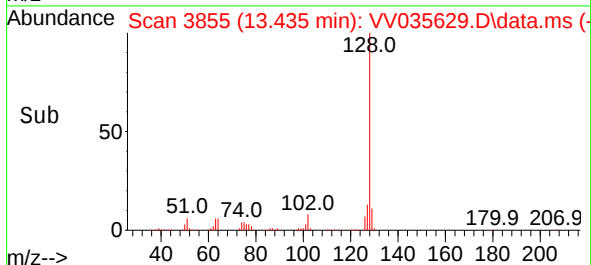
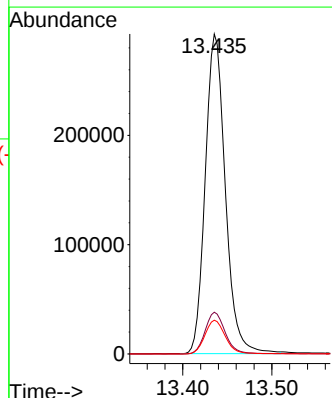
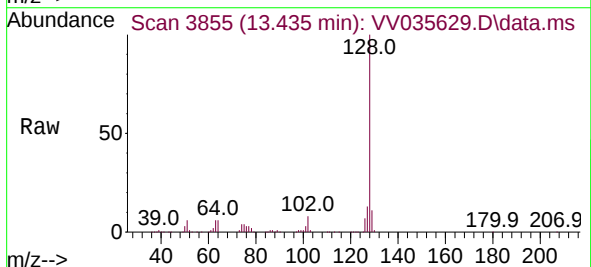
Tgt Ion:128 Resp: 458223

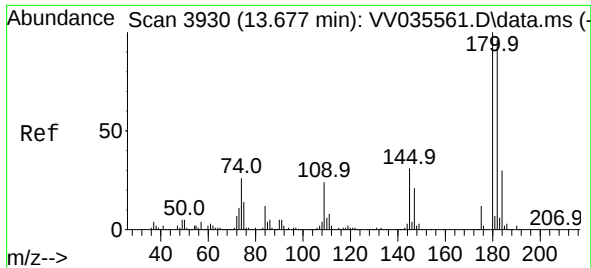
Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 10.8 8.6 13.0





#72

1,2,3-Trichlorobenzene

Concen: 25.464 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. -0.000 min

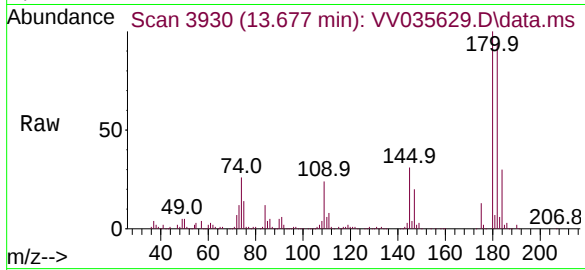
Lab File: VV035629.D

Acq: 20 May 2024 09:59

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 254956

Ion Ratio Lower Upper

180 100

182 94.7 75.8 113.6

145 30.7 25.2 37.8

