

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052224\
 Data File : VV035661.D
 Acq On : 22 May 2024 09:15
 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 23 02:12:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 22 02:35:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	419071	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	424963	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	237261	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	114428	17.666	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.680%
7) Chloroethane-d5	1.529	69	101124	19.352	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.400%
11) 1,1-Dichloroethene-d2	2.053	65	51578	17.987	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.960%
21) 2-Butanone-d5	3.844	46	33714	18.341	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	36.680%
24) Chloroform-d	4.246	84	278317	22.339	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.360%
26) 1,2-Dichloroethane-d4	4.941	65	139080	22.581	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.320%
32) Benzene-d6	4.957	84	486357	20.907	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.640%
36) 1,2-Dichloropropane-d6	5.986	67	159445	22.210	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.840%
41) Toluene-d8	7.240	98	435785	21.049	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.200%
43) trans-1,3-Dichloroprop...	7.551	79	66138	21.542	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.160%
47) 2-Hexanone-d5	8.031	63	62707	48.577	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.160%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	156851	22.674	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.680%
66) 1,2-Dichlorobenzene-d4	11.558	152	184920	22.458	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	190368	22.344	ug/L	100
3) Chloromethane	1.211	50	183035	21.397	ug/L	100
5) Vinyl chloride	1.278	62	204163	23.102	ug/L	100
6) Bromomethane	1.484	94	128152	22.902	ug/L	99
8) Chloroethane	1.545	64	131054	24.056	ug/L	99
9) Trichlorofluoromethane	1.709	101	283527	24.579	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	187854	25.811	ug/L	99
12) 1,1-Dichloroethene	2.063	96	160168	24.364	ug/L	95
13) Acetone	2.384	43	78535	29.186	ug/L	71
14) Carbon disulfide	2.233	76	416033	19.980	ug/L	99
15) Methyl Acetate	2.384	43	96543	23.681	ug/L	99
16) Methylene chloride	2.442	84	204176	21.128	ug/L	94
17) trans-1,2-Dichloroethene	2.690	96	175431	24.038	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	466880	26.521	ug/L	99
19) 1,1-Dichloroethane	3.108	63	360841	26.374	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	197292	24.937	ug/L	98
22) 2-Butanone	3.912	43	88769	35.524	ug/L	# 69
23) Bromochloromethane	4.143	128	99137	25.908	ug/L	96
25) Chloroform	4.272	83	381836	27.027	ug/L	98

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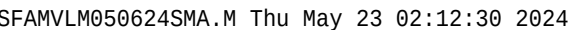
Instrument :
 MSVOA_V
 ClientSampleId :

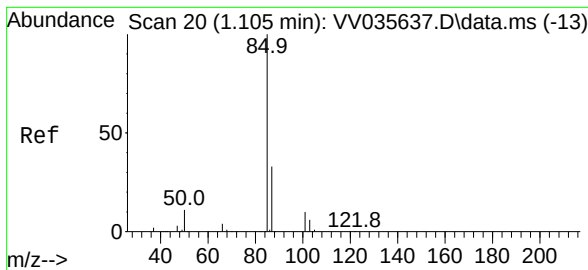
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	244150	27.752	ug/L	100
29) Cyclohexane	4.577	56	243399	23.951	ug/L	99
30) 1,1,1-Trichloroethane	4.507	97	316250	26.839	ug/L	99
31) Carbon tetrachloride	4.732	117	273340	26.439	ug/L	99
33) Benzene	5.005	78	749134	26.635	ug/L	100
34) Trichloroethene	5.828	95	219706	27.616	ug/L	99
35) Methylcyclohexane	6.047	83	293366	24.288	ug/L	98
37) 1,2-Dichloropropane	6.088	63	208071	28.355	ug/L	100
38) Bromodichloromethane	6.429	83	275227	27.687	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	302658	26.370	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	240494	54.724	ug/L	98
42) Toluene	7.310	91	813594	27.334	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	273848	27.275	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	173734	27.865	ug/L	98
46) Tetrachloroethene	7.902	164	161877	25.045	ug/L	97
48) 2-Hexanone	8.079	43	173702	52.716	ug/L	99
49) Dibromochloromethane	8.172	129	194006	27.576	ug/L	99
50) 1,2-Dibromoethane	8.281	107	165129	26.884	ug/L	100
51) Chlorobenzene	8.809	112	545850	26.430	ug/L	99
52) Ethylbenzene	8.944	91	893444	27.187	ug/L	100
53) m,p-Xylene	9.069	106	341793	27.413	ug/L	99
54) o-Xylene	9.474	106	328135	27.768	ug/L	99
55) Styrene	9.493	104	602879	29.251	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	180175	23.723	ug/L	99
59) Bromoform	9.664	173	127213	27.283	ug/L	99
60) Isopropylbenzene	9.863	105	913421	28.901	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	157509	28.330	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	737552	29.748	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	744567	29.224	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	468121	28.224	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	480730	27.997	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	436794	27.976	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	36101	27.997	ug/L	94
69) 1,3,5-Trichlorobenzene	12.580	180	358157	27.633	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	293627	27.130	ug/L	99
71) Naphthalene	13.435	128	521180	27.431	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	283517	29.120	ug/L	99

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

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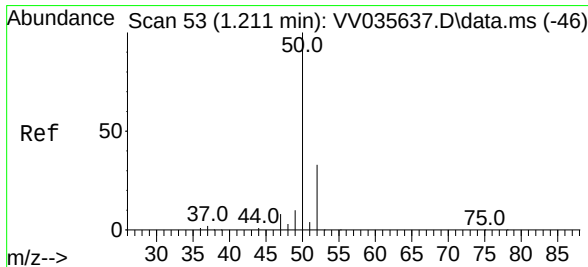
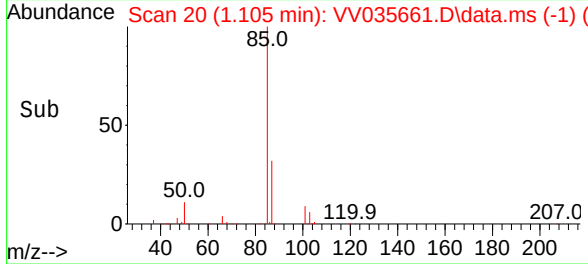
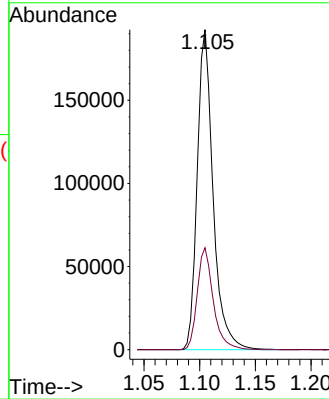
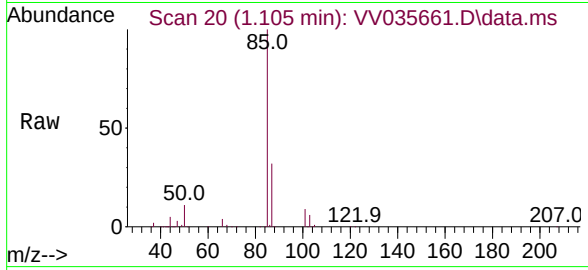




#2
 Dichlorodifluoromethane
 Concen: 22.344 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV035661.D
 Acq: 22 May 2024 09:15

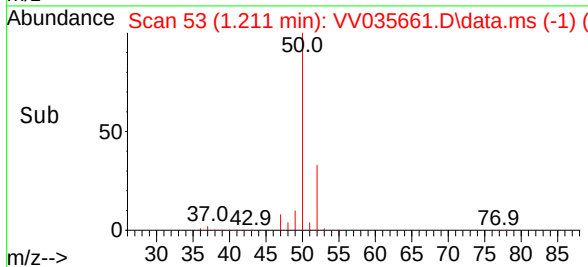
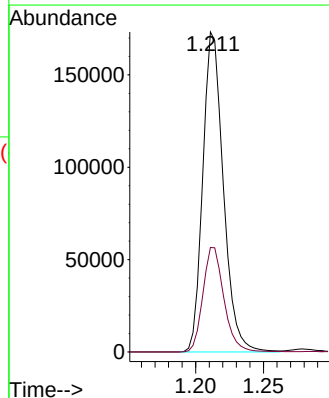
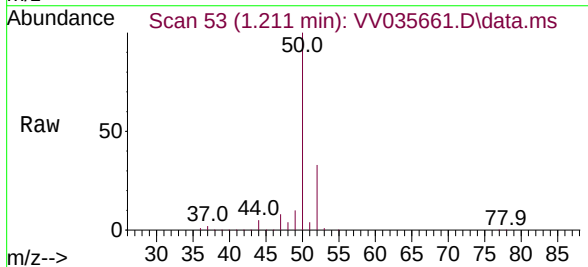
Instrument :
 MSVOA_V
 ClientSampleId :

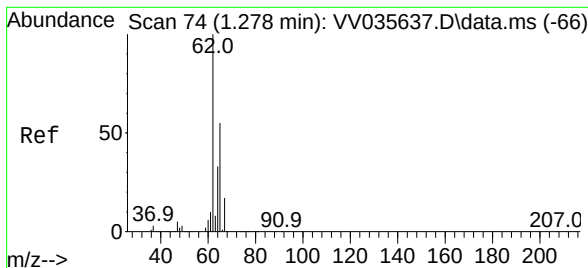
Tgt Ion: 85 Resp: 190368
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.8 38.6



#3
 Chloromethane
 Concen: 21.397 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. 0.000 min
 Lab File: VV035661.D
 Acq: 22 May 2024 09:15

Tgt Ion: 50 Resp: 183035
 Ion Ratio Lower Upper
 50 100
 52 32.6 22.7 42.1

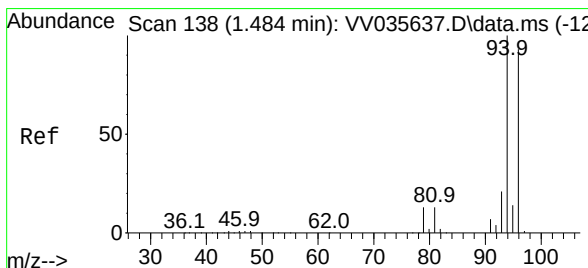
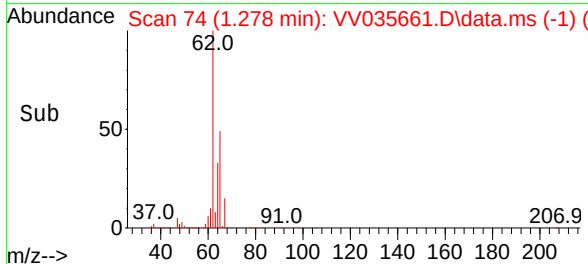
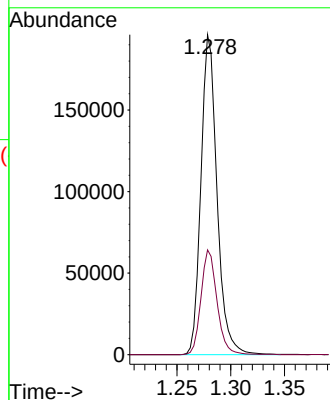
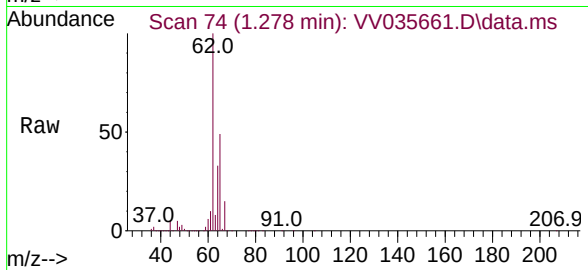




#5
 Vinyl chloride
 Concen: 23.102 ug/L
 RT: 1.278 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: VV035661.D
 Acq: 22 May 2024 09:15

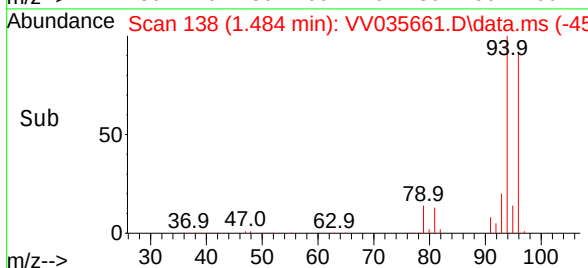
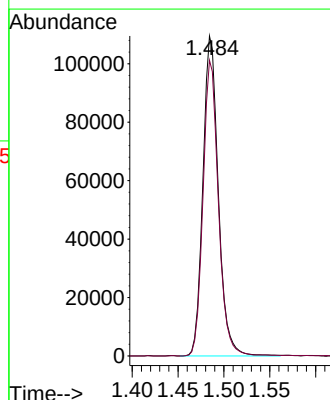
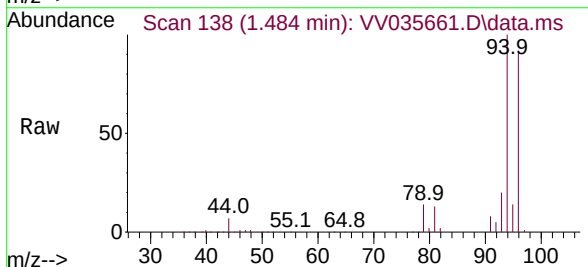
Instrument :
 MSVOA_V
 ClientSampleId :

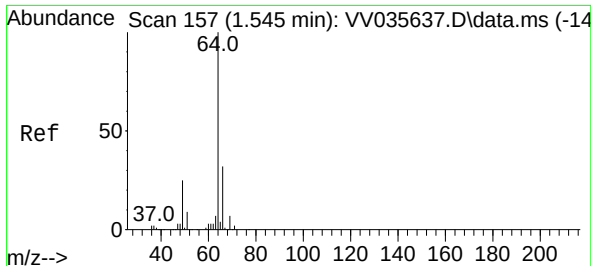
Tgt Ion: 62 Resp: 204163
 Ion Ratio Lower Upper
 62 100
 64 32.8 23.0 42.6



#6
 Bromomethane
 Concen: 22.902 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV035661.D
 Acq: 22 May 2024 09:15

Tgt Ion: 94 Resp: 128152
 Ion Ratio Lower Upper
 94 100
 96 92.4 65.2 121.0

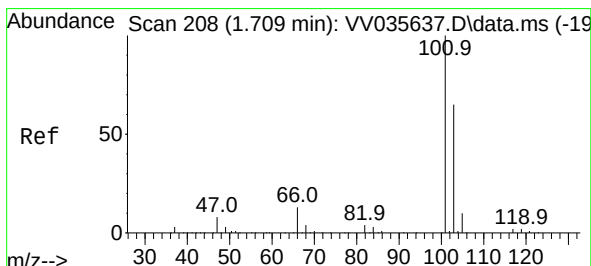
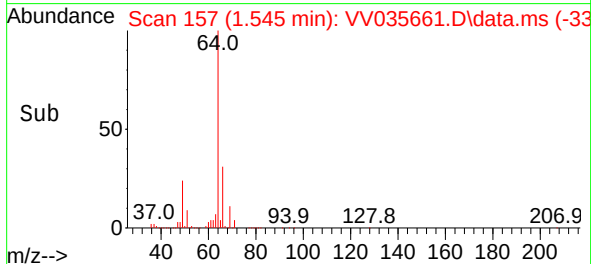
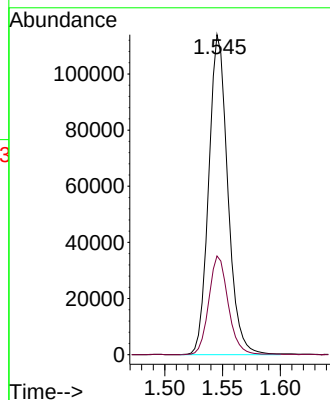
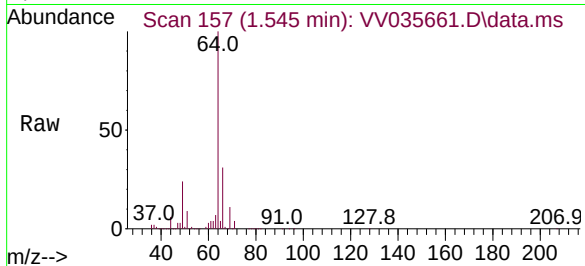




#8
Chloroethane
Concen: 24.056 ug/L
RT: 1.545 min Scan# 157
Delta R.T. 0.000 min
Lab File: VV035661.D
Acq: 22 May 2024 09:15

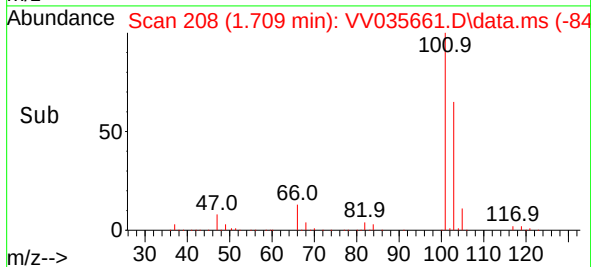
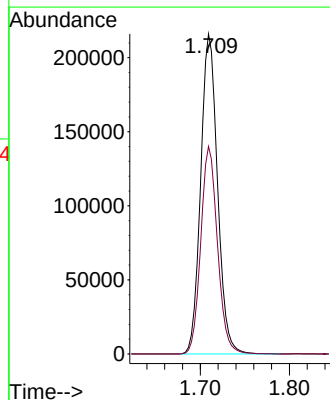
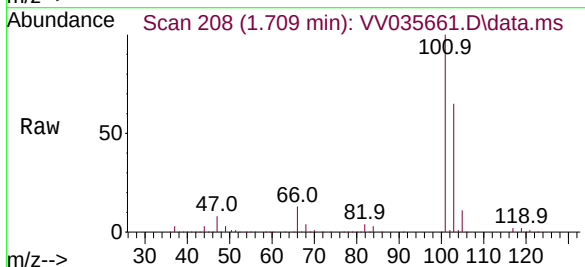
Instrument :
MSVOA_V
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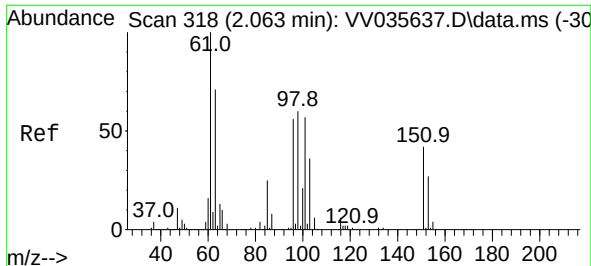
Tgt Ion: 64 Resp: 131054
Ion Ratio Lower Upper
64 100
66 30.8 22.0 40.8



#9
Trichlorofluoromethane
Concen: 24.579 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV035661.D
Acq: 22 May 2024 09:15

Tgt Ion:101 Resp: 283527
Ion Ratio Lower Upper
101 100
103 64.4 51.5 77.3





#10

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

Concen: 25.811 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.000 min

Lab File: VV035661.D

Acq: 22 May 2024 09:15

Instrument :

MSVOA_V

ClientSampleId :

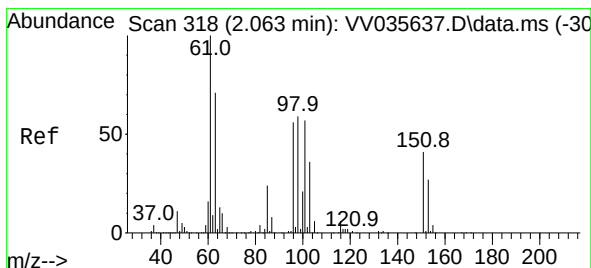
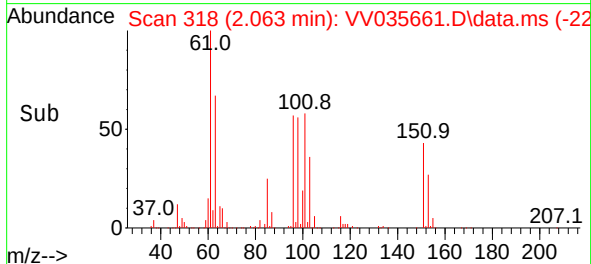
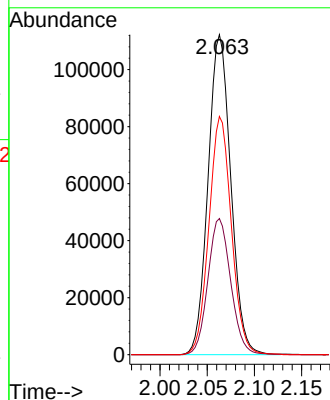
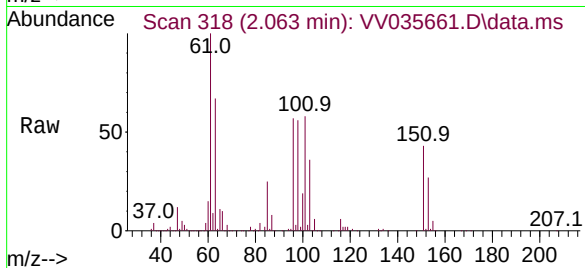
Tgt Ion:101 Resp: 187854

Ion Ratio Lower Upper

101 100

85 42.7 34.2 51.4

151 73.6 59.5 89.3



#12

1,1-Dichloroethene

Concen: 24.364 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.000 min

Lab File: VV035661.D

Acq: 22 May 2024 09:15

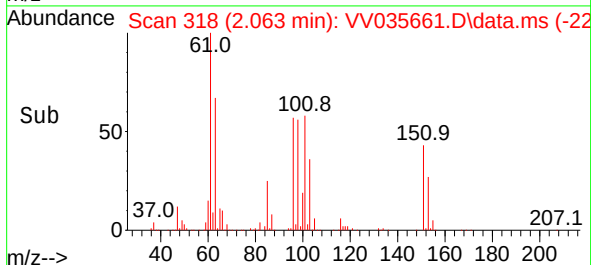
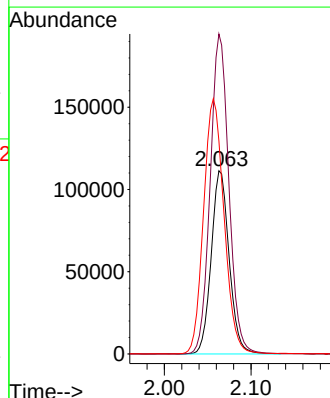
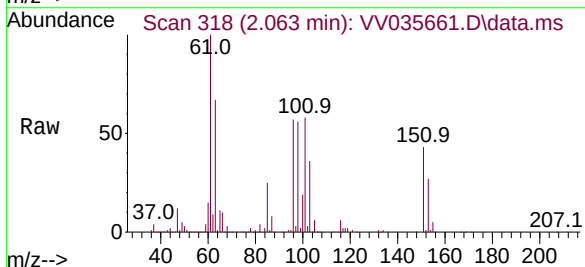
Tgt Ion: 96 Resp: 160168

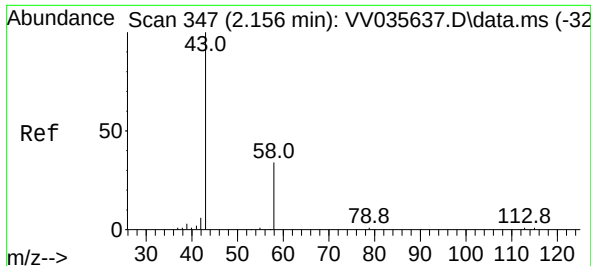
Ion Ratio Lower Upper

96 100

61 174.7 119.8 222.4

63 116.2 75.6 140.4





#13

Acetone

Concen: 29.186 ug/L

RT: 2.384 min Scan# 41

Delta R.T. 0.228 min

Lab File: VV035661.D

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Instrument :

MSVOA_V

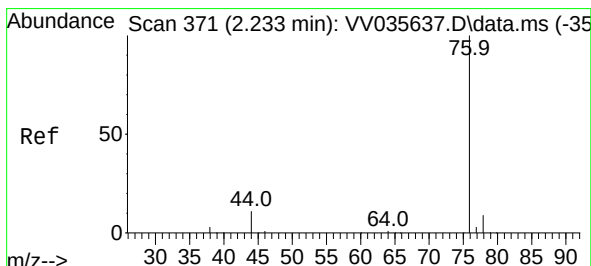
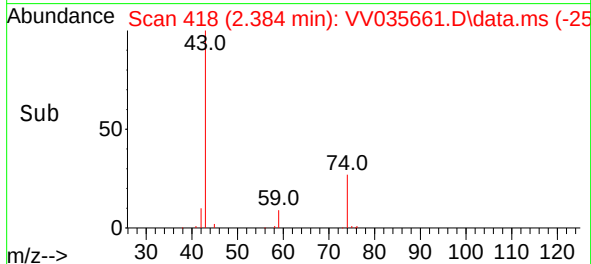
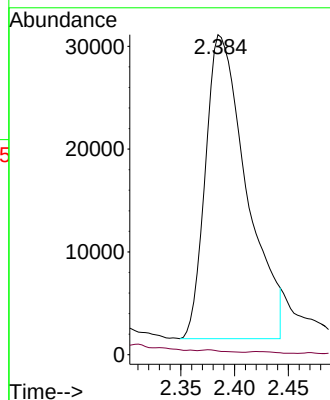
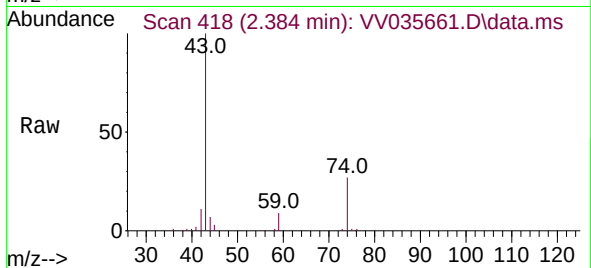
ClientSampleId :

Tgt Ion: 43 Resp: 78535

Ion Ratio Lower Upper

43 100

58 0.2 0.0 22.8



#14

Carbon disulfide

Concen: 19.980 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.000 min

Lab File: VV035661.D

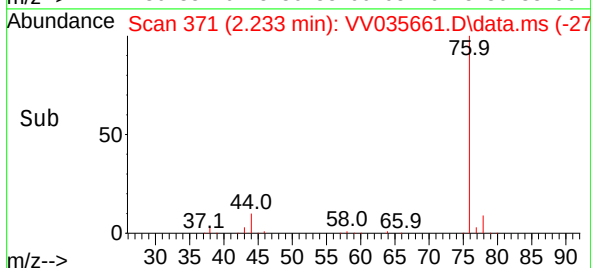
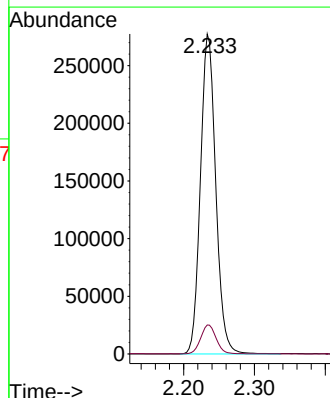
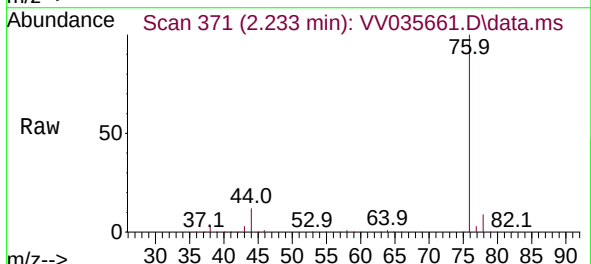
Acq: 22 May 2024 09:15

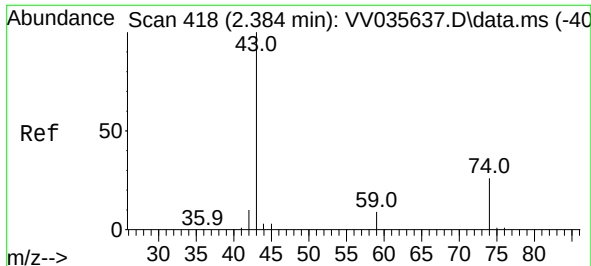
Tgt Ion: 76 Resp: 416033

Ion Ratio Lower Upper

76 100

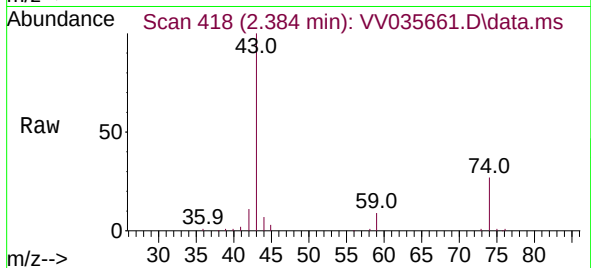
78 9.1 7.5 11.3



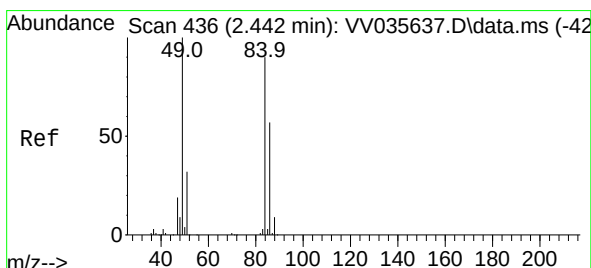
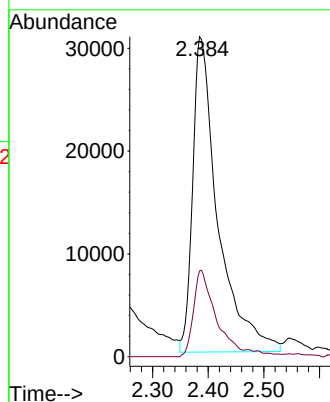
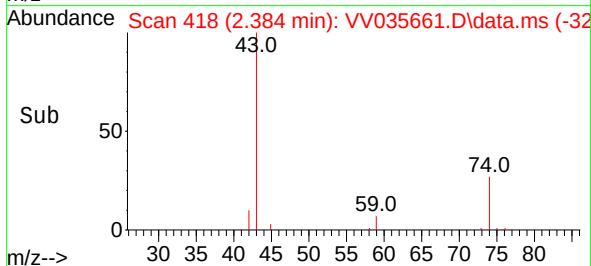


#15
Methyl Acetate
Concen: 23.681 ug/L
RT: 2.384 min Scan# 418
Delta R.T. 0.000 min
Lab File: VV035661.D
Acq: 22 May 2024 09:15

Instrument :
MSVOA_V
ClientSampleId :

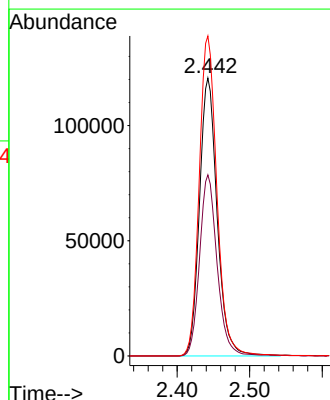
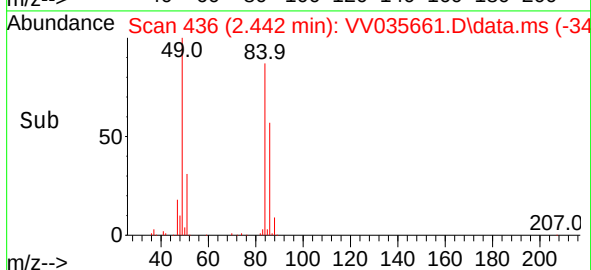
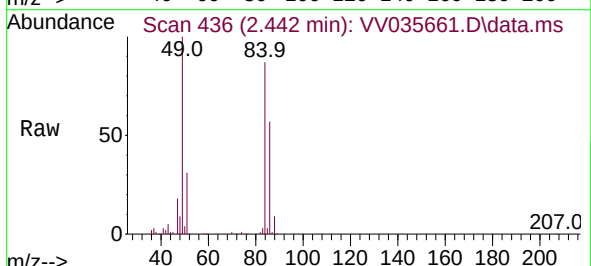


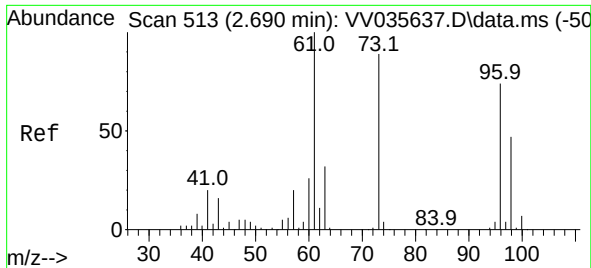
Tgt Ion: 43 Resp: 96543
Ion Ratio Lower Upper
43 100
74 23.9 18.6 27.8



#16
Methylene chloride
Concen: 21.128 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.000 min
Lab File: VV035661.D
Acq: 22 May 2024 09:15

Tgt Ion: 84 Resp: 204176
Ion Ratio Lower Upper
84 100
86 65.2 43.8 81.3
49 115.1 75.3 139.9





#17

trans-1,2-Dichloroethene

Concen: 24.038 ug/L

RT: 2.690 min Scan# 513

Delta R.T. 0.000 min

Lab File: VV035661.D

Acq: 22 May 2024 09:15

Instrument :

MSVOA_V

ClientSampleId :

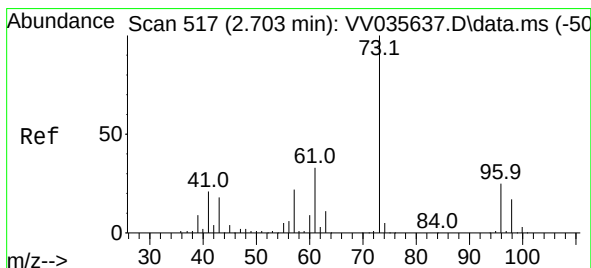
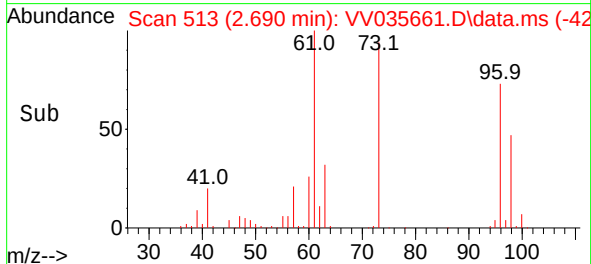
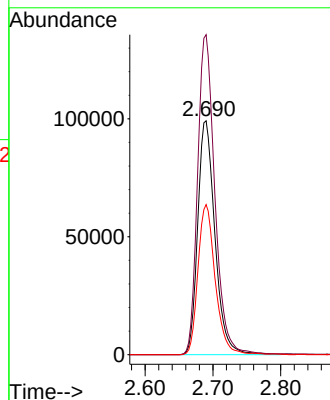
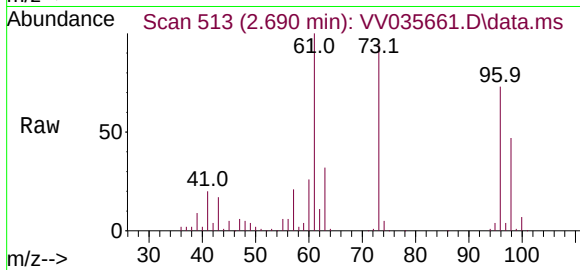
Tgt Ion: 96 Resp: 175431

Ion Ratio Lower Upper

96 100

61 136.8 95.5 177.4

98 64.2 46.0 85.4



#18

Methyl tert-butyl Ether

Concen: 26.521 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV035661.D

Acq: 22 May 2024 09:15

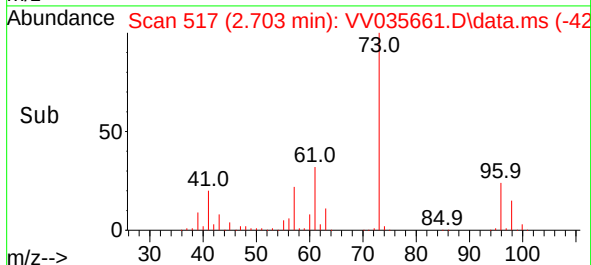
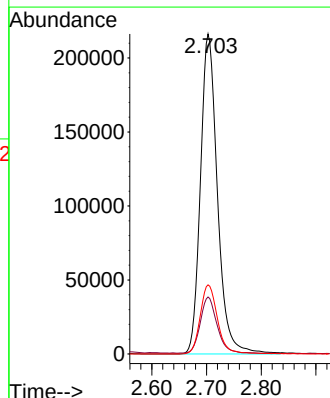
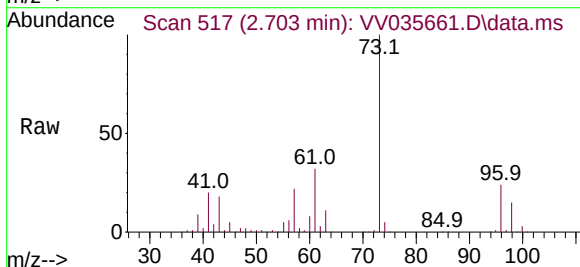
Tgt Ion: 73 Resp: 466880

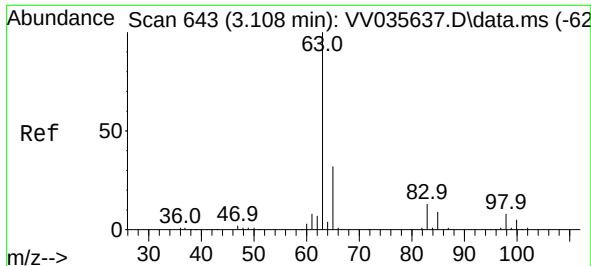
Ion Ratio Lower Upper

73 100

43 17.1 13.3 19.9

57 21.8 17.4 26.2

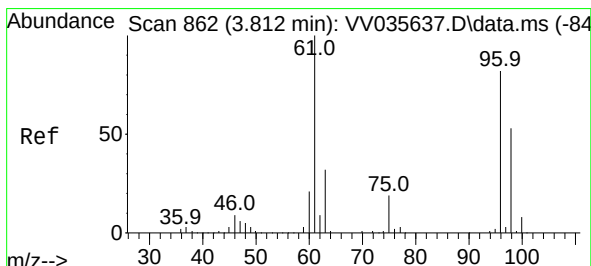
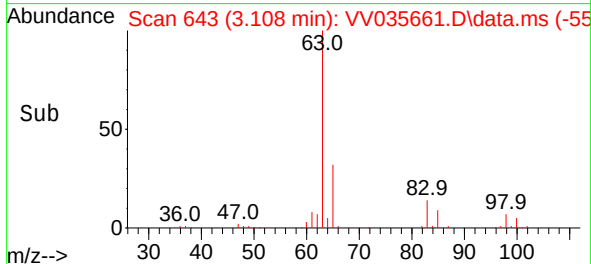
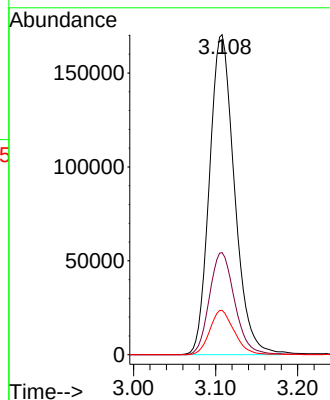
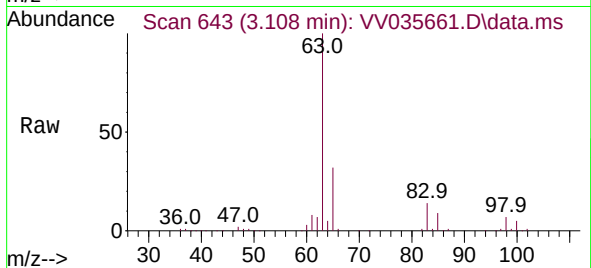




#19
1,1-Dichloroethane
Concen: 26.374 ug/L
RT: 3.108 min Scan# 643
Delta R.T. 0.000 min
Lab File: VV035661.D
Acq: 22 May 2024 09:15

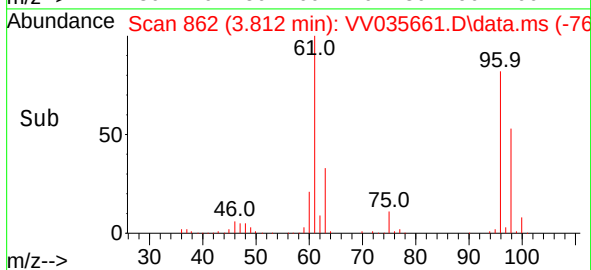
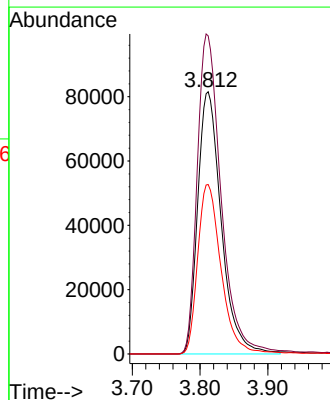
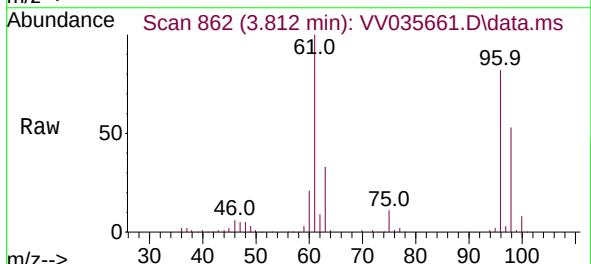
Instrument :
MSVOA_V
ClientSampleId :

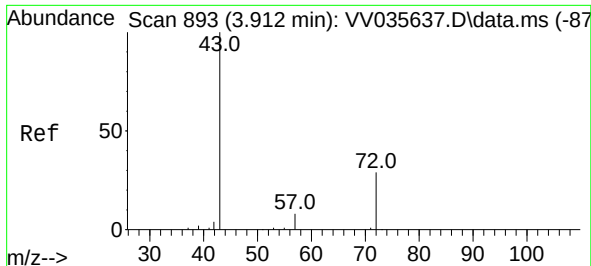
Tgt Ion: 63 Resp: 360841
Ion Ratio Lower Upper
63 100
65 31.9 22.7 42.3
83 13.9 9.7 17.9



#20
cis-1,2-Dichloroethene
Concen: 24.937 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.000 min
Lab File: VV035661.D
Acq: 22 May 2024 09:15

Tgt Ion: 96 Resp: 197292
Ion Ratio Lower Upper
96 100
61 121.3 83.9 155.9
98 64.6 44.0 81.8





#22

2-Butanone

Concen: 35.524 ug/L

RT: 3.912 min Scan# 893

Delta R.T. 0.000 min

Lab File: VV035661.D

Acq: 22 May 2024 09:15

Instrument :

MSVOA_V

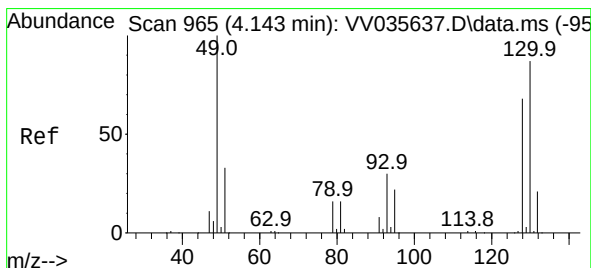
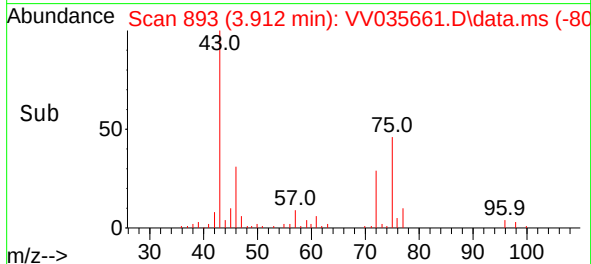
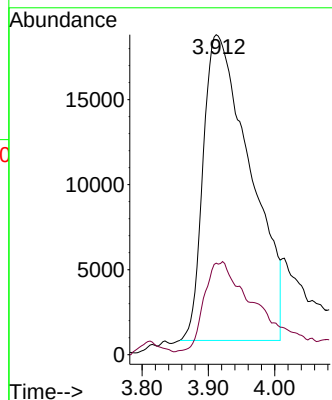
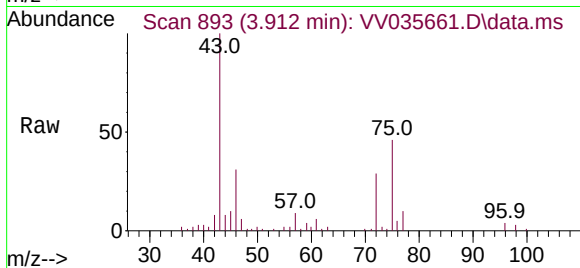
ClientSampleId :

Tgt Ion: 43 Resp: 88769

Ion Ratio Lower Upper

43 100

72 9.3 12.3 36.9#



#23

Bromochloromethane

Concen: 25.908 ug/L

RT: 4.143 min Scan# 965

Delta R.T. 0.000 min

Lab File: VV035661.D

Acq: 22 May 2024 09:15

Tgt Ion: 128 Resp: 99137

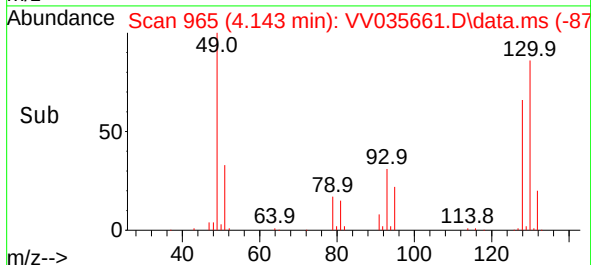
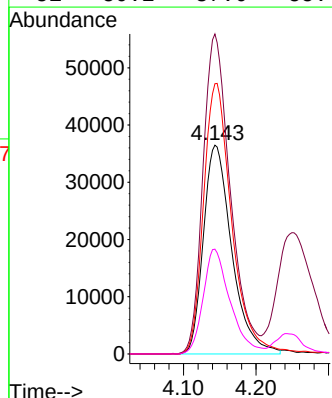
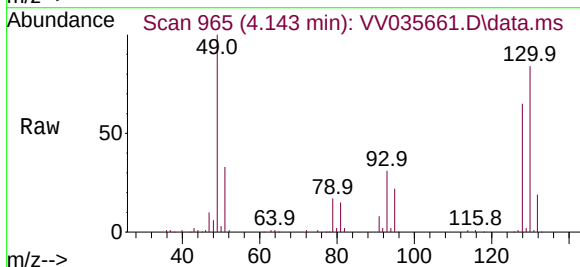
Ion Ratio Lower Upper

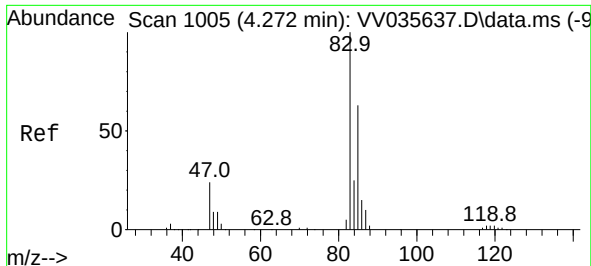
128 100

49 153.2 103.1 191.5

130 129.4 91.8 170.4

51 50.2 37.0 55.4





#25

Chloroform

Concen: 27.027 ug/L

RT: 4.272 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV035661.D

Acq: 22 May 2024 09:15

Instrument :

MSVOA_V

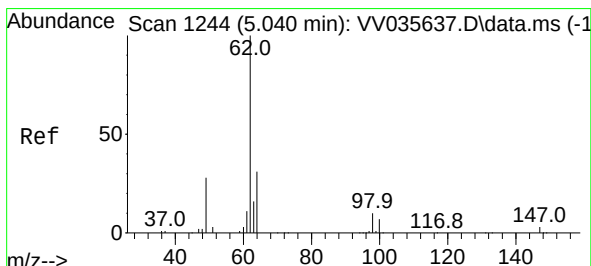
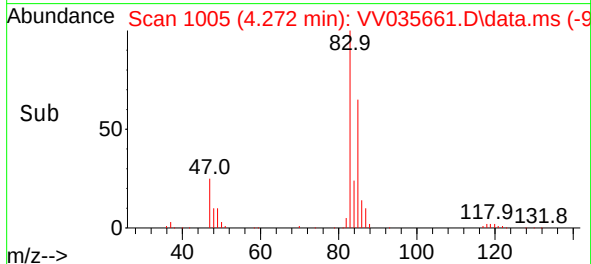
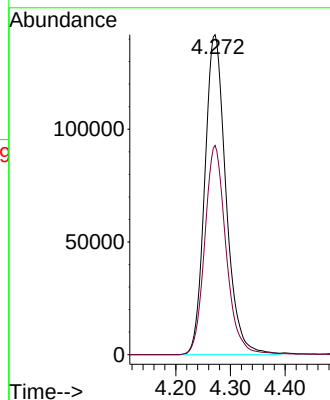
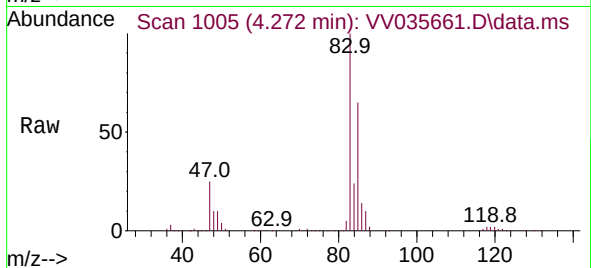
ClientSampleId :

Tgt Ion: 83 Resp: 381836

Ion Ratio Lower Upper

83 100

85 65.4 44.7 82.9



#27

1,2-Dichloroethane

Concen: 27.752 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.003 min

Lab File: VV035661.D

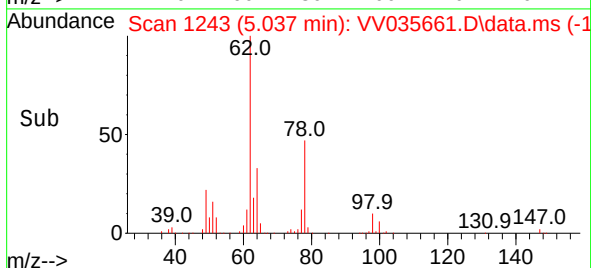
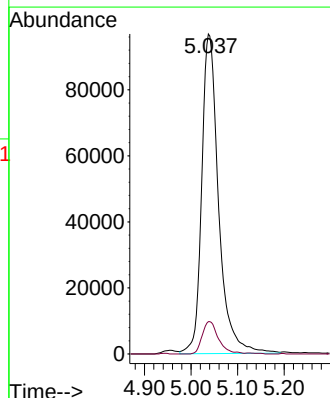
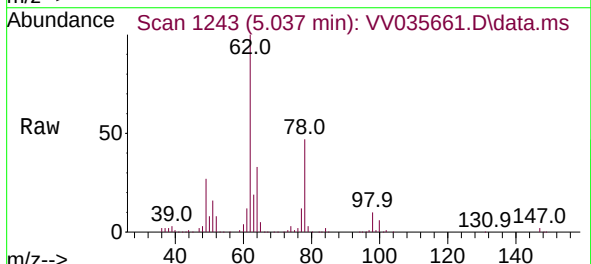
Acq: 22 May 2024 09:15

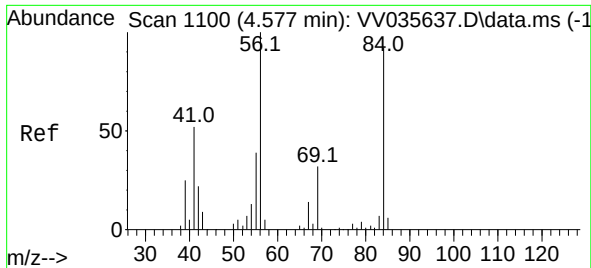
Tgt Ion: 62 Resp: 244150

Ion Ratio Lower Upper

62 100

98 10.1 8.2 12.2





#29

Cyclohexane

Concen: 23.951 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.000 min

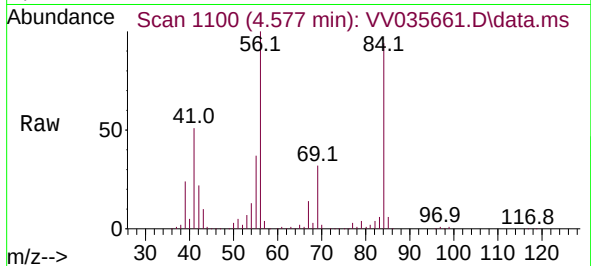
Lab File: VV035661.D

Acq: 22 May 2024 09:15

Instrument :

MSVOA_V

ClientSampleId :



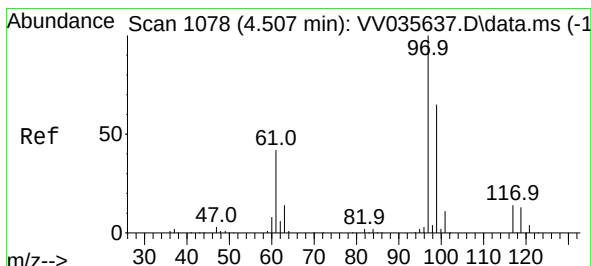
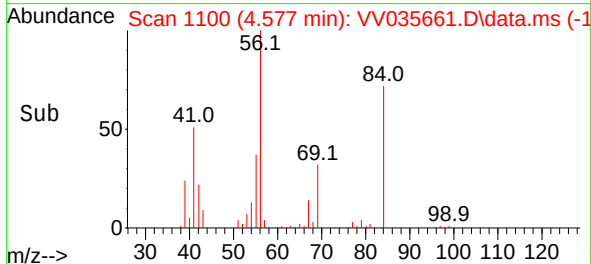
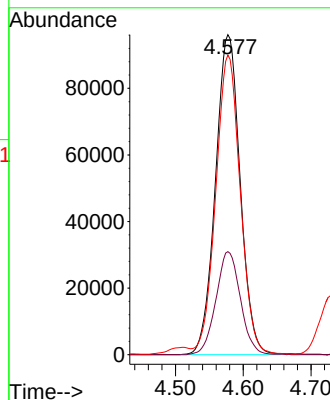
Tgt Ion: 56 Resp: 243399

Ion Ratio Lower Upper

56 100

69 31.8 25.6 38.4

84 92.5 74.8 112.2



#30

1,1,1-Trichloroethane

Concen: 26.839 ug/L

RT: 4.507 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VV035661.D

Acq: 22 May 2024 09:15

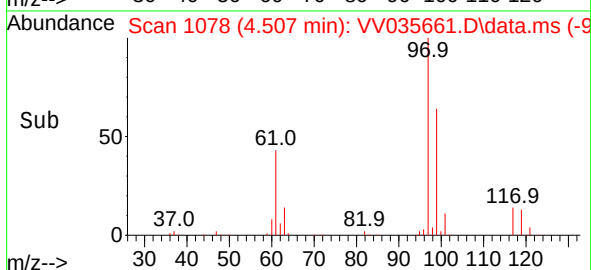
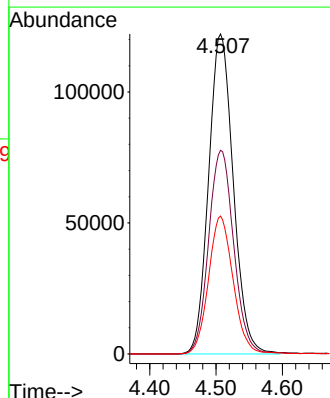
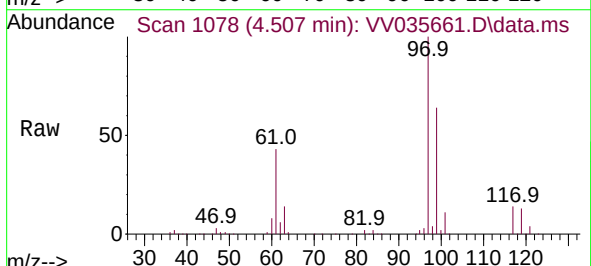
Tgt Ion: 97 Resp: 316250

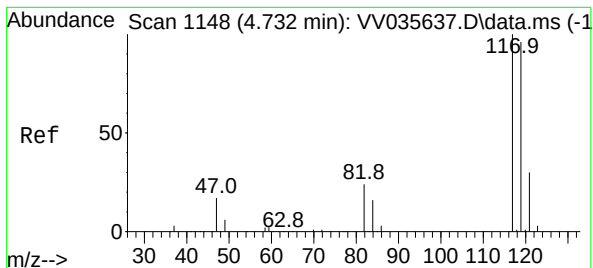
Ion Ratio Lower Upper

97 100

99 64.9 51.7 77.5

61 43.0 33.5 50.3





#31

Carbon tetrachloride

Concen: 26.439 ug/L

RT: 4.732 min Scan# 1148

Delta R.T. 0.000 min

Lab File: VV035661.D

Acq: 22 May 2024 09:15

Instrument :

MSVOA_V

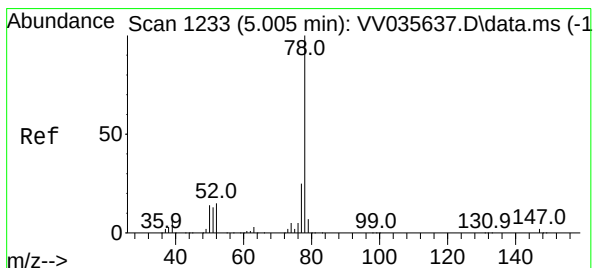
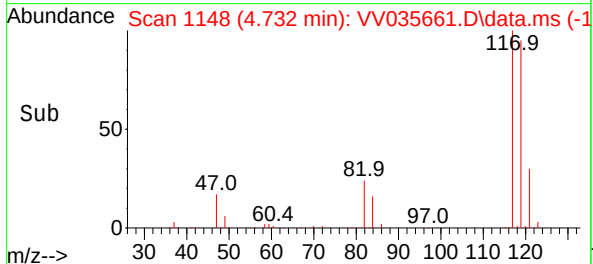
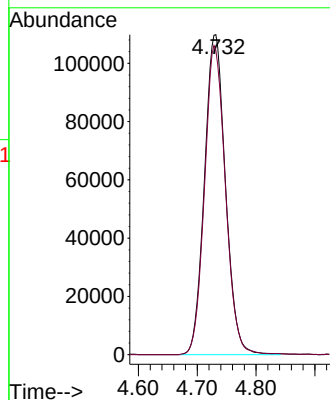
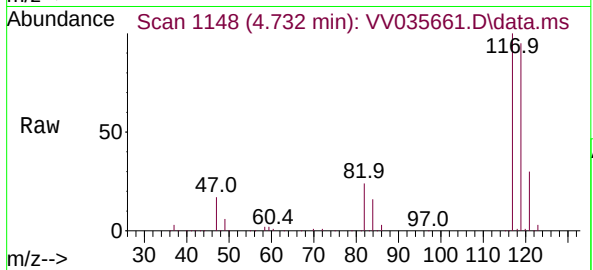
ClientSampleId :

Tgt Ion:117 Resp: 273340

Ion Ratio Lower Upper

117 100

119 95.8 77.3 115.9



#33

Benzene

Concen: 26.635 ug/L

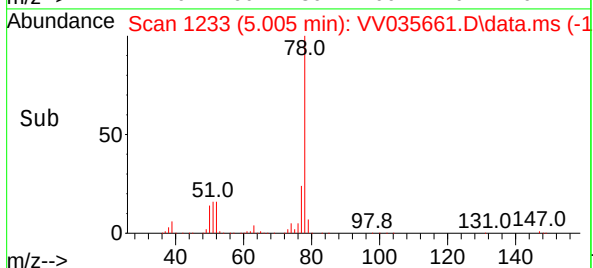
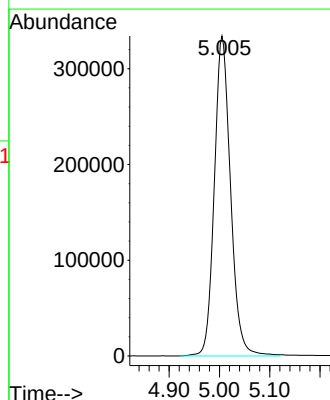
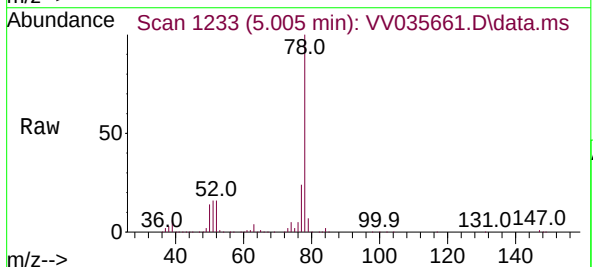
RT: 5.005 min Scan# 1233

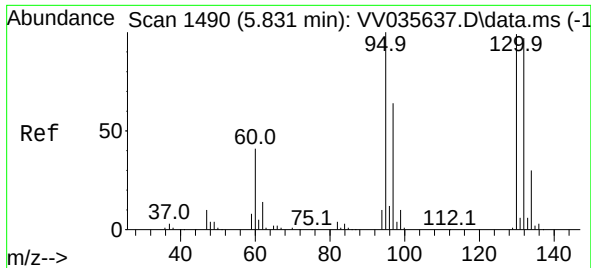
Delta R.T. 0.000 min

Lab File: VV035661.D

Acq: 22 May 2024 09:15

Tgt Ion: 78 Resp: 749134

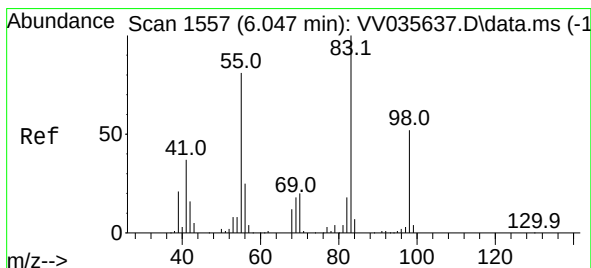
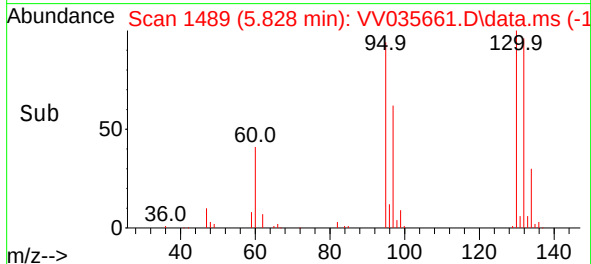
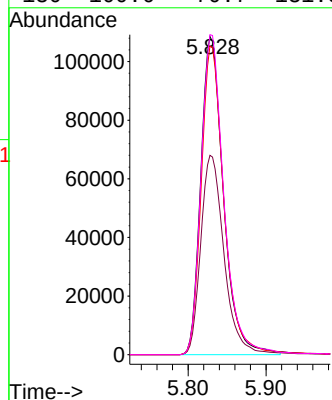
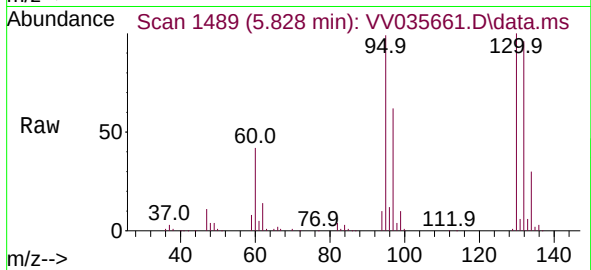




#34
Trichloroethene
Concen: 27.616 ug/L
RT: 5.828 min Scan# 1490
Delta R.T. -0.003 min
Lab File: VV035661.D
Acq: 22 May 2024 09:15

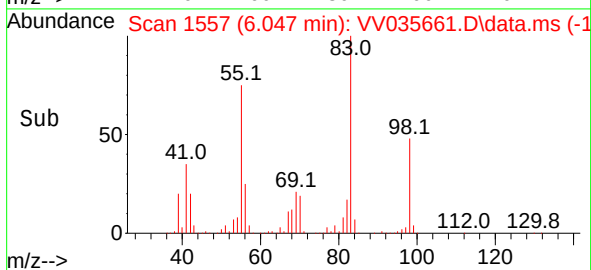
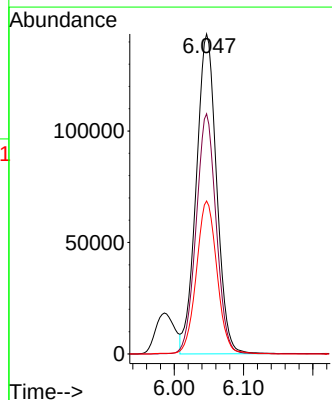
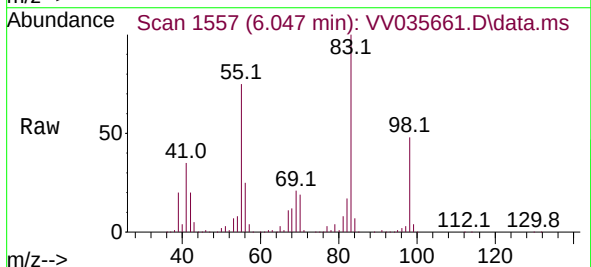
Instrument :
MSVOA_V
ClientSampleId :

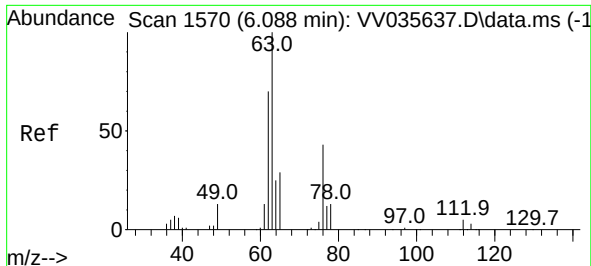
Tgt Ion: 95 Resp: 219706
Ion Ratio Lower Upper
95 100
97 62.7 43.8 81.4
132 97.0 67.1 124.7
130 100.6 70.7 131.3



#35
Methylcyclohexane
Concen: 24.288 ug/L
RT: 6.047 min Scan# 1557
Delta R.T. 0.000 min
Lab File: VV035661.D
Acq: 22 May 2024 09:15

Tgt Ion: 83 Resp: 293366
Ion Ratio Lower Upper
83 100
55 74.0 57.5 86.3
98 48.2 38.6 58.0

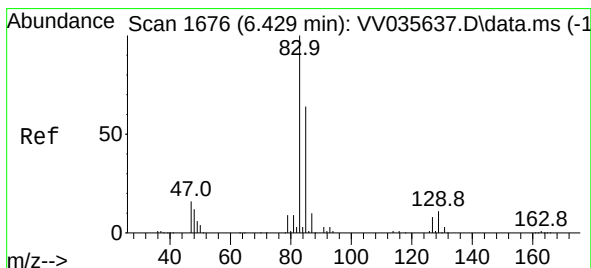
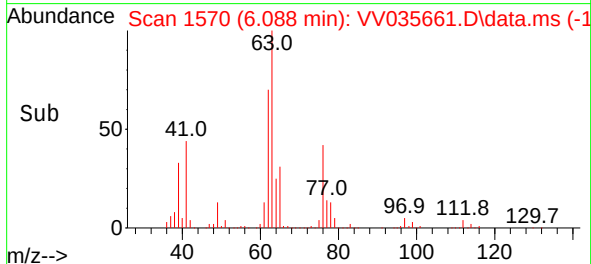
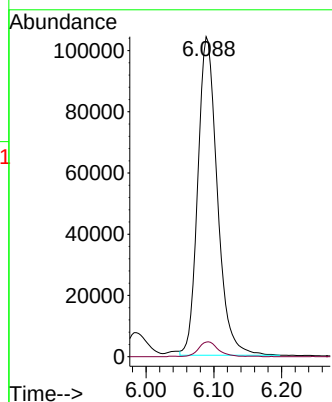
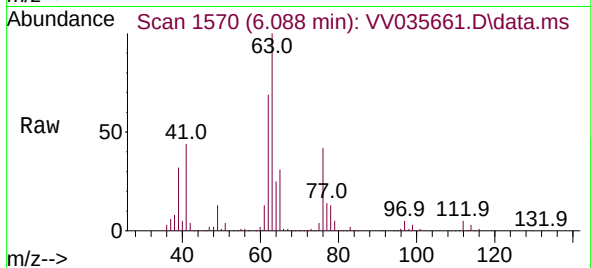




#37
1,2-Dichloropropane
Concen: 28.355 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VV035661.D
Acq: 22 May 2024 09:15

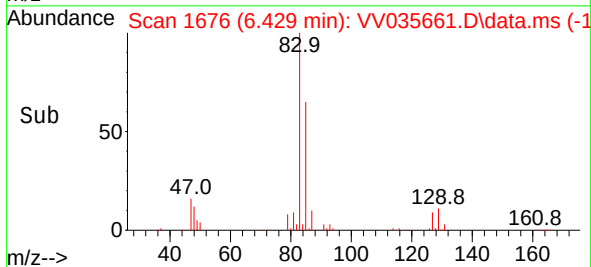
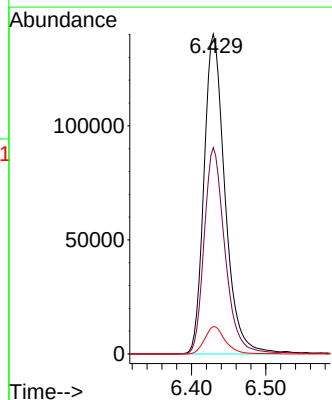
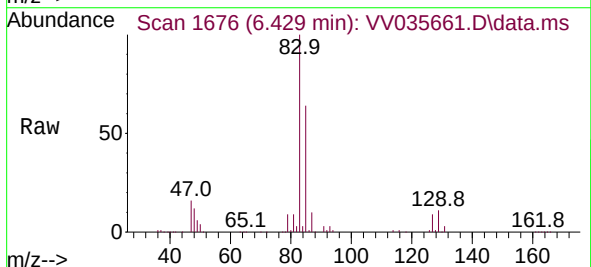
Instrument :
MSVOA_V
ClientSampleId :

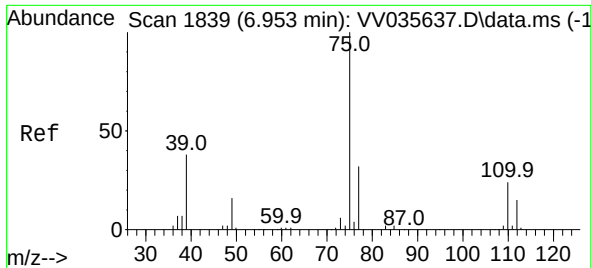
Tgt Ion: 63 Resp: 208071
Ion Ratio Lower Upper
63 100
112 4.6 3.8 5.6



#38
Bromodichloromethane
Concen: 27.687 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VV035661.D
Acq: 22 May 2024 09:15

Tgt Ion: 83 Resp: 275227
Ion Ratio Lower Upper
83 100
85 64.5 45.1 83.9
127 8.6 7.0 10.6

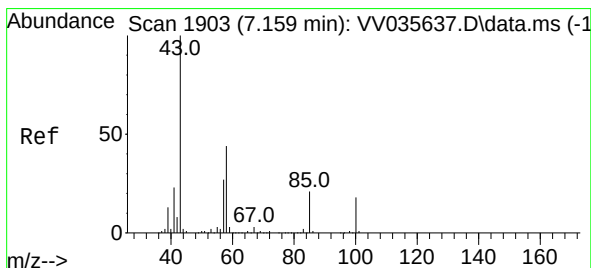
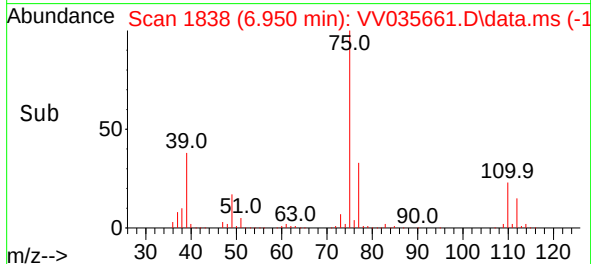
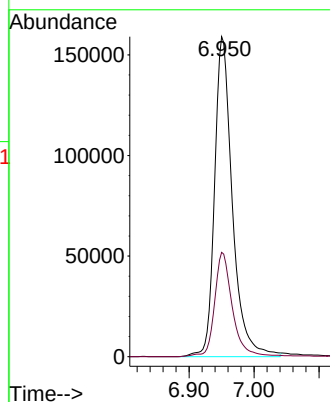
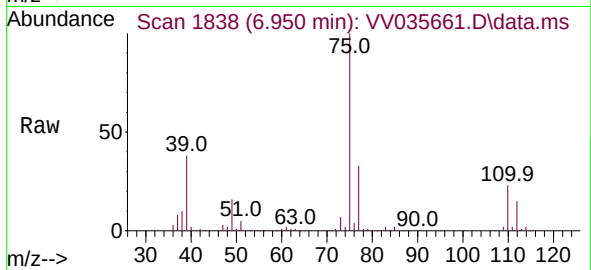




#39
cis-1,3-Dichloropropene
Concen: 26.370 ug/L
RT: 6.950 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV035661.D
Acq: 22 May 2024 09:15

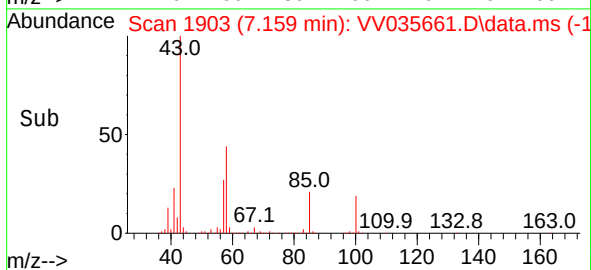
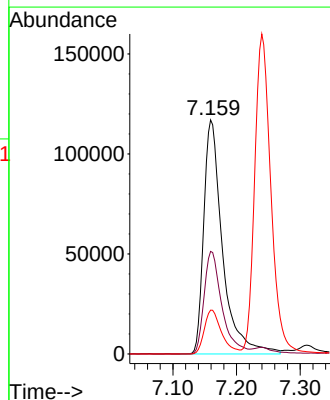
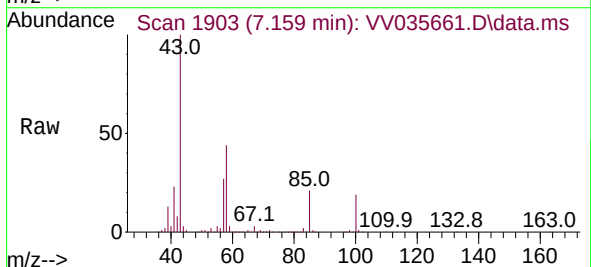
Instrument :
MSVOA_V
ClientSampleId :

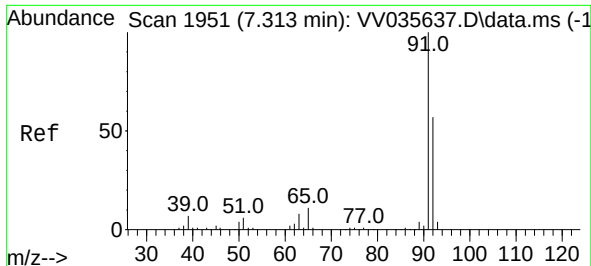
Tgt Ion: 75 Resp: 302658
Ion Ratio Lower Upper
75 100
77 32.6 22.5 41.9



#40
4-Methyl-2-pentanone
Concen: 54.724 ug/L
RT: 7.159 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VV035661.D
Acq: 22 May 2024 09:15

Tgt Ion: 43 Resp: 240494
Ion Ratio Lower Upper
43 100
58 41.6 34.8 52.2
100 17.3 13.9 20.9





#42

Toluene

Concen: 27.334 ug/L

RT: 7.310 min Scan# 1951

Delta R.T. -0.003 min

Lab File: VV035661.D

Acq: 22 May 2024 09:15

Instrument :

MSVOA_V

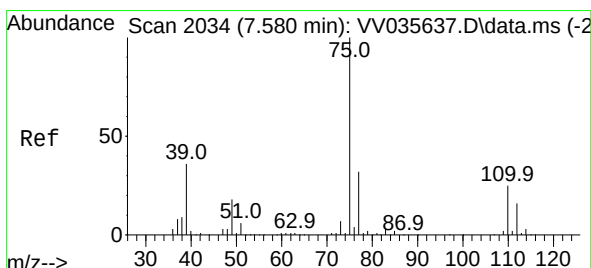
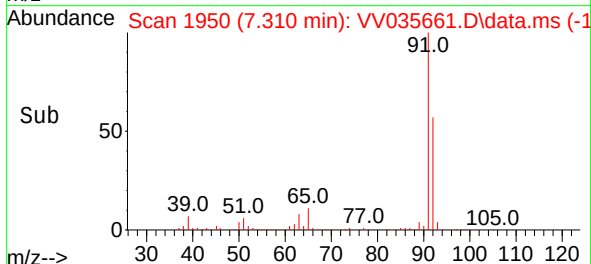
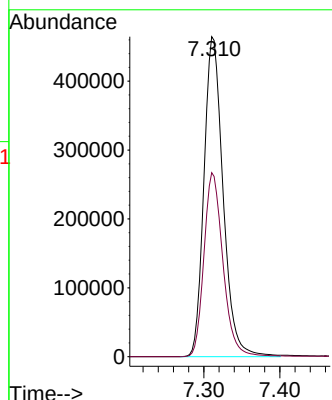
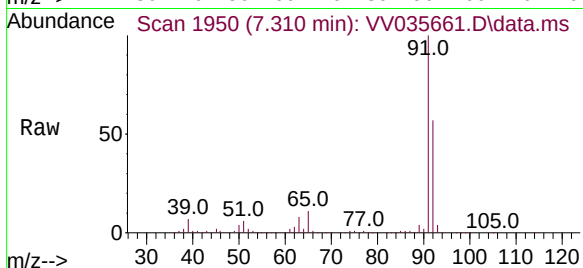
ClientSampleId :

Tgt Ion: 91 Resp: 813594

Ion Ratio Lower Upper

91 100

92 57.5 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 27.275 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.003 min

Lab File: VV035661.D

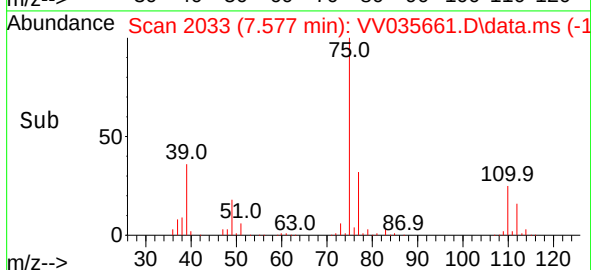
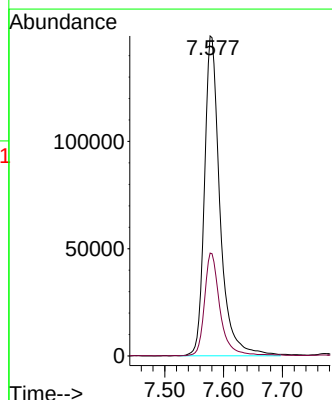
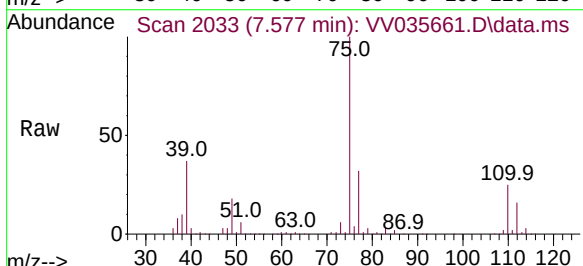
Acq: 22 May 2024 09:15

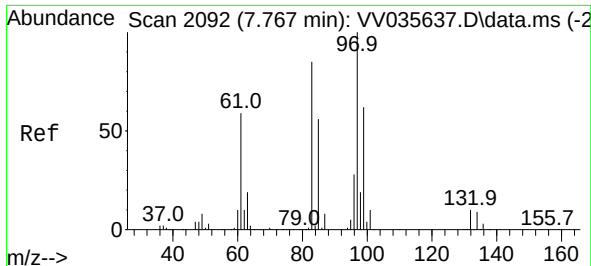
Tgt Ion: 75 Resp: 273848

Ion Ratio Lower Upper

75 100

77 32.2 22.4 41.6

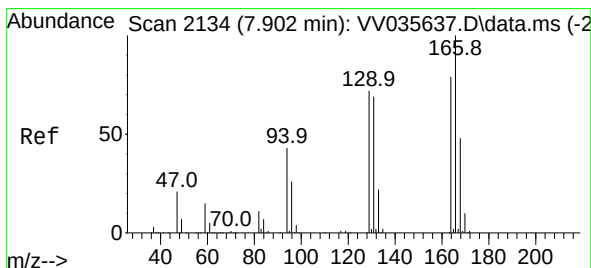
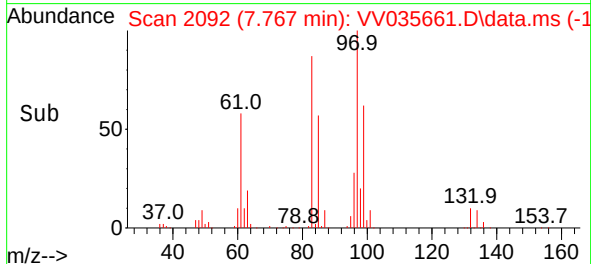
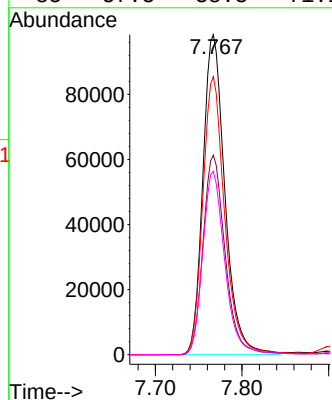
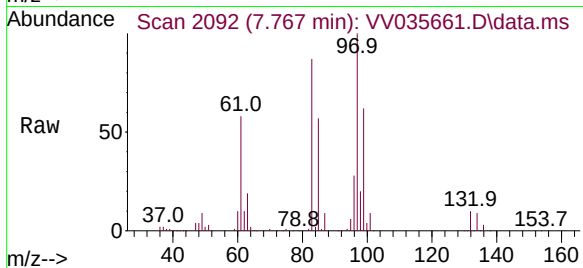




#45
1,1,2-Trichloroethane
Concen: 27.865 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.000 min
Lab File: VV035661.D
Acq: 22 May 2024 09:15

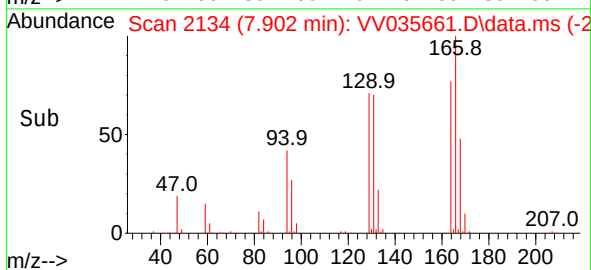
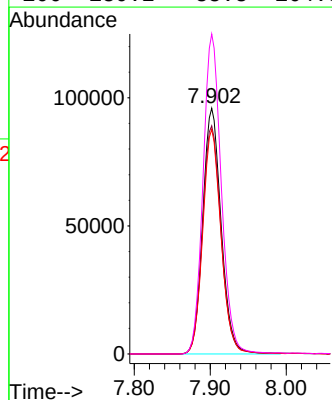
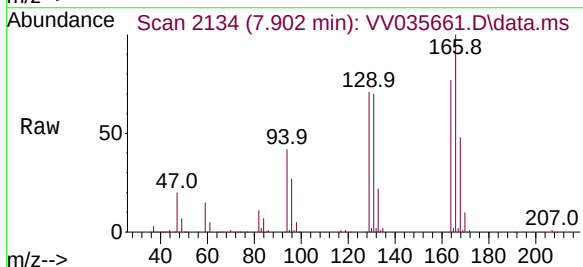
Instrument :
MSVOA_V
ClientSampleId :

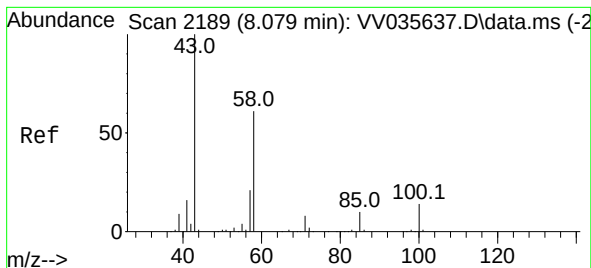
Tgt Ion:	97	Resp:	173734
Ion	Ratio	Lower	Upper
97	100		
99	62.3	43.3	80.3
83	86.9	60.3	111.9
85	57.3	38.3	71.1



#46
Tetrachloroethene
Concen: 25.045 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.000 min
Lab File: VV035661.D
Acq: 22 May 2024 09:15

Tgt Ion:	164	Resp:	161877
Ion	Ratio	Lower	Upper
164	100		
129	92.8	63.4	117.8
131	91.4	61.0	113.4
166	130.2	88.8	164.8





#48

2-Hexanone

Concen: 52.716 ug/L

RT: 8.079 min Scan# 2189

Delta R.T. 0.000 min

Lab File: VV035661.D

Acq: 22 May 2024 09:15

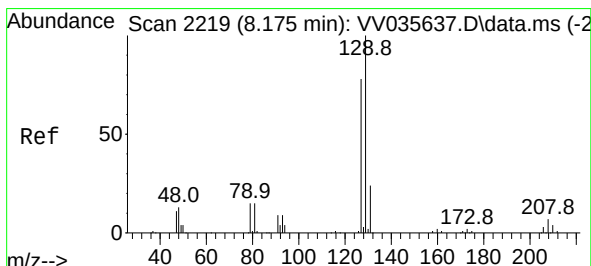
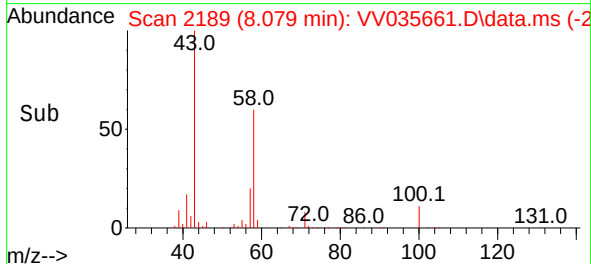
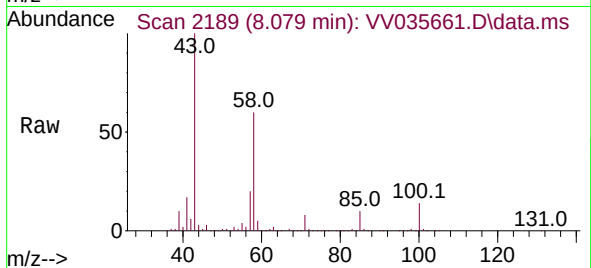
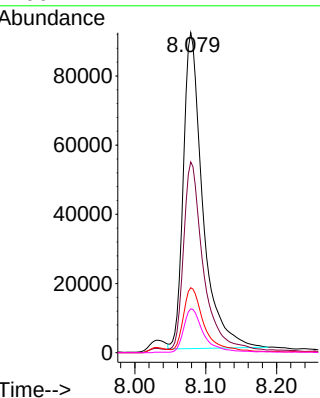
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 173702

Ion	Ratio	Lower	Upper
43	100		
58	61.4	48.8	73.2
57	20.4	16.9	25.3
100	14.2	11.7	17.5



#49

Dibromochloromethane

Concen: 27.576 ug/L

RT: 8.172 min Scan# 2218

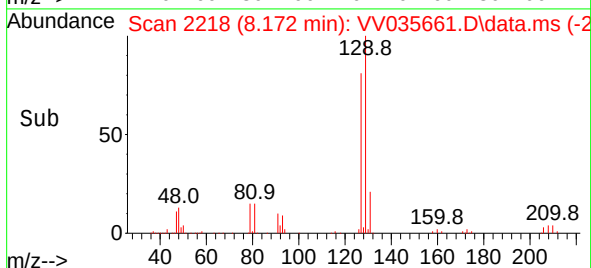
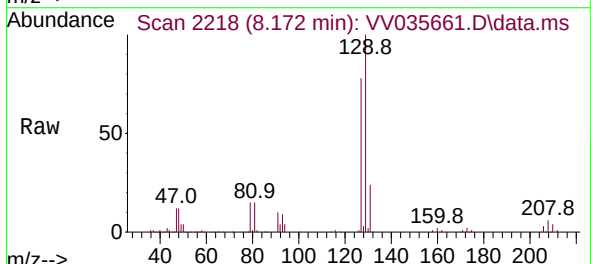
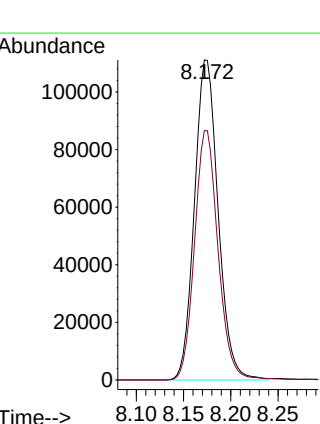
Delta R.T. -0.003 min

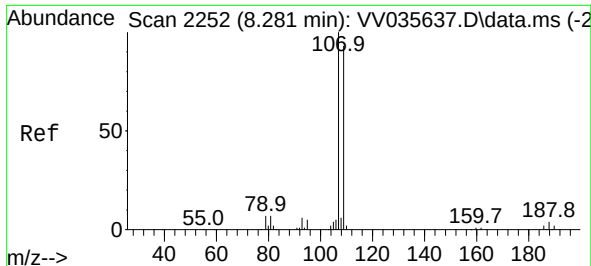
Lab File: VV035661.D

Acq: 22 May 2024 09:15

Tgt Ion:129 Resp: 194006

Ion	Ratio	Lower	Upper
129	100		
127	77.9	53.8	99.8

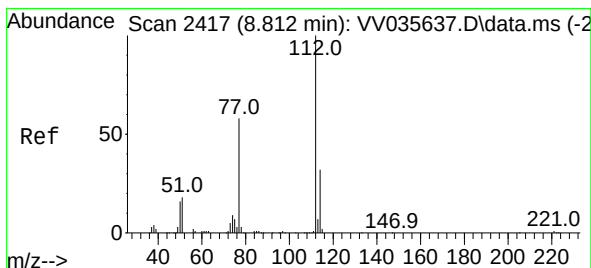
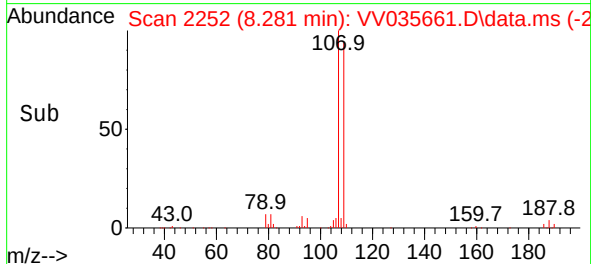
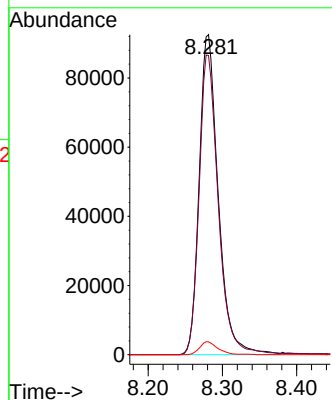
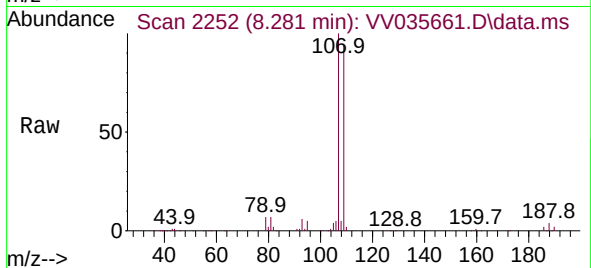




#50
1,2-Dibromoethane
Concen: 26.884 ug/L
RT: 8.281 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV035661.D
Acq: 22 May 2024 09:15

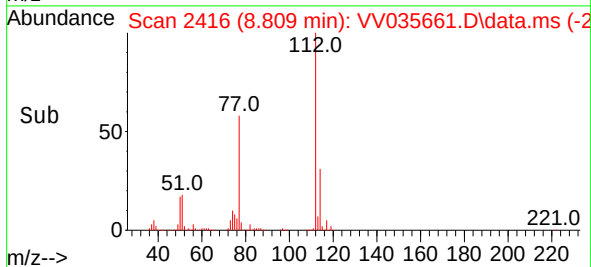
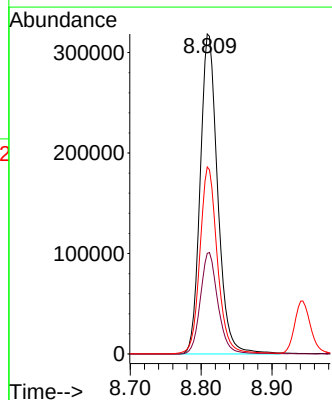
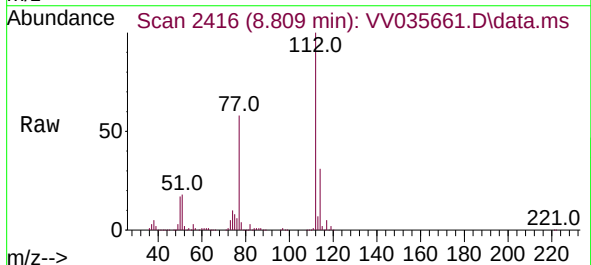
Instrument :
MSVOA_V
ClientSampleId :

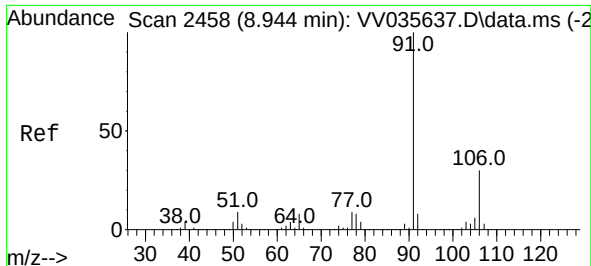
Tgt Ion:107 Resp: 165129
Ion Ratio Lower Upper
107 100
109 93.5 65.4 121.4
188 4.0 2.9 4.3



#51
Chlorobenzene
Concen: 26.430 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. -0.003 min
Lab File: VV035661.D
Acq: 22 May 2024 09:15

Tgt Ion:112 Resp: 545850
Ion Ratio Lower Upper
112 100
114 31.5 22.5 41.7
77 58.4 46.6 69.8





#52

Ethylbenzene

Concen: 27.187 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. 0.000 min

Lab File: VV035661.D

Acq: 22 May 2024 09:15

Instrument :

MSVOA_V

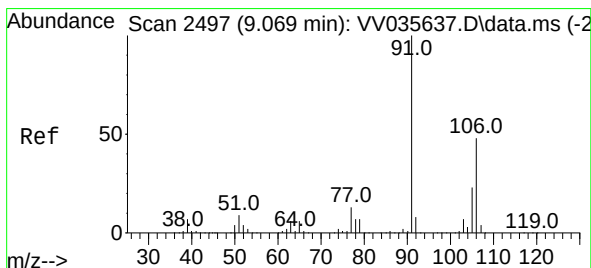
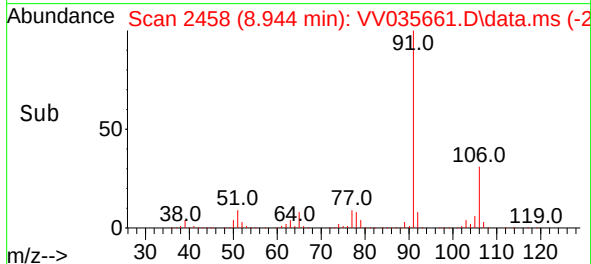
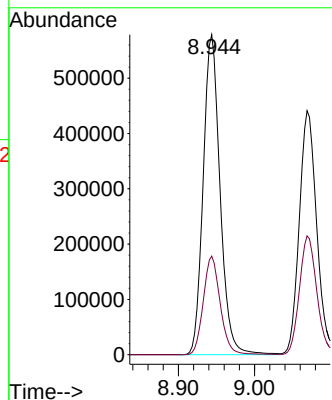
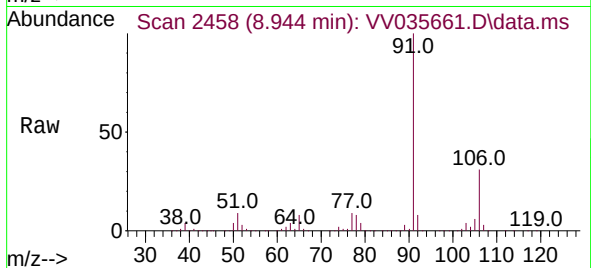
ClientSampleId :

Tgt Ion: 91 Resp: 893444

Ion Ratio Lower Upper

91 100

106 30.8 21.7 40.3



#53

m,p-Xylene

Concen: 27.413 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.000 min

Lab File: VV035661.D

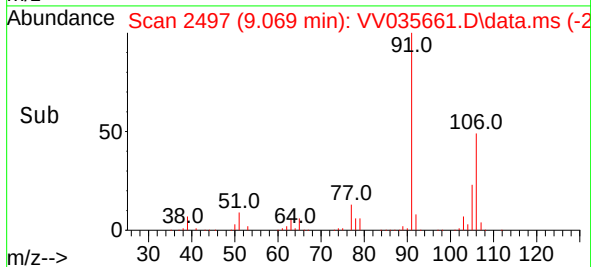
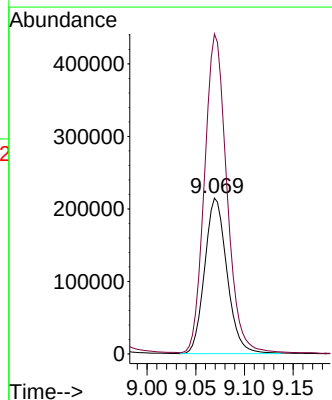
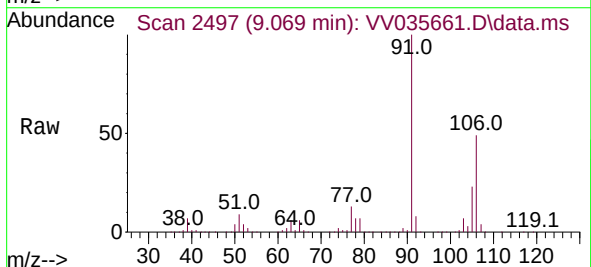
Acq: 22 May 2024 09:15

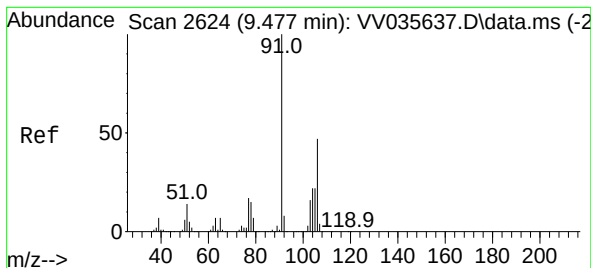
Tgt Ion:106 Resp: 341793

Ion Ratio Lower Upper

106 100

91 205.3 142.7 264.9





#54

o-Xylene

Concen: 27.768 ug/L

RT: 9.474 min Scan# 2

Delta R.T. -0.003 min

Lab File: VV035661.D

Acq: 22 May 2024 09:15

Instrument :

MSVOA_V

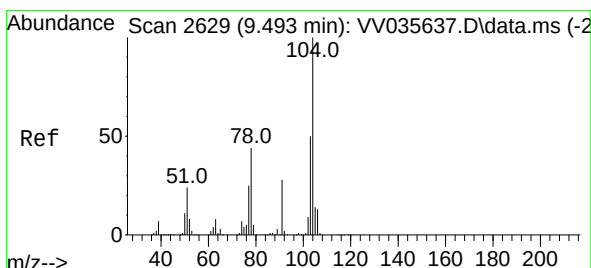
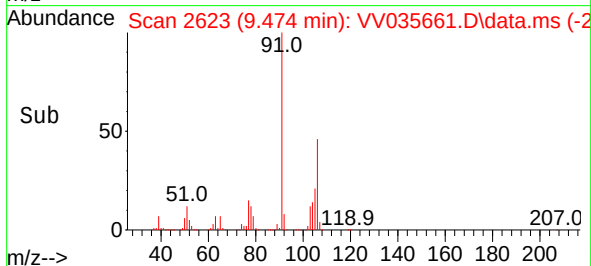
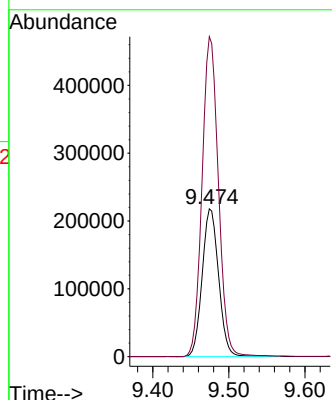
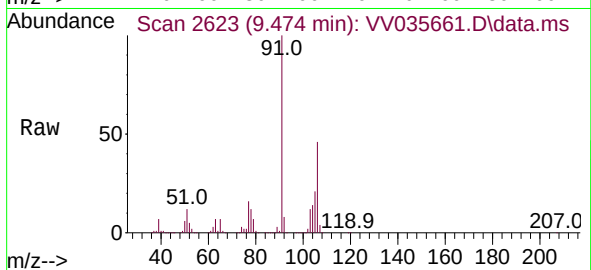
ClientSampleId :

Tgt Ion:106 Resp: 328135

Ion Ratio Lower Upper

106 100

91 216.5 150.9 280.3



#55

Styrene

Concen: 29.251 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. 0.000 min

Lab File: VV035661.D

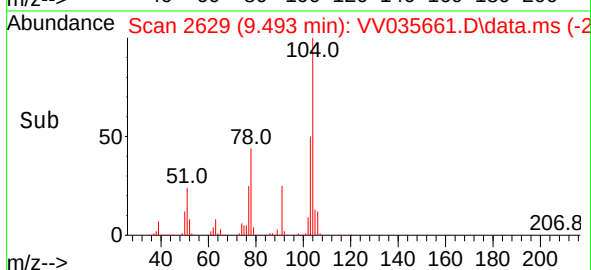
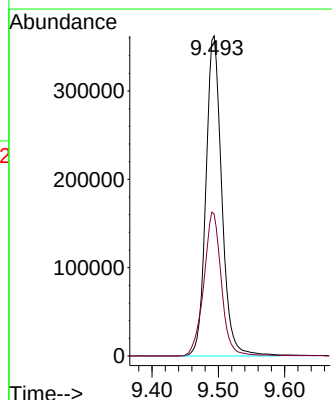
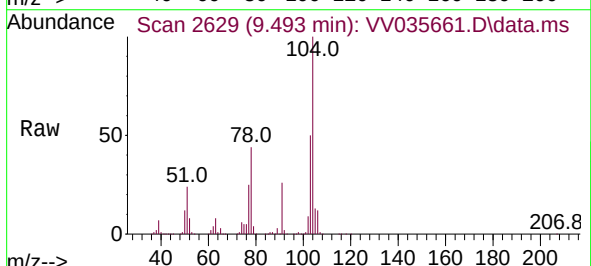
Acq: 22 May 2024 09:15

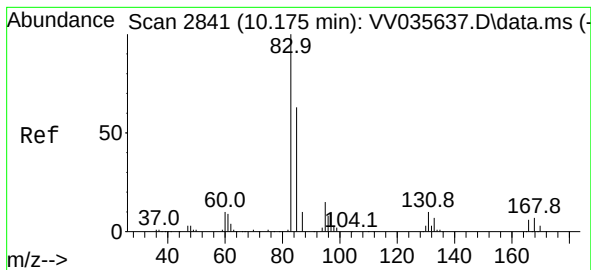
Tgt Ion:104 Resp: 602879

Ion Ratio Lower Upper

104 100

78 44.3 30.0 55.6

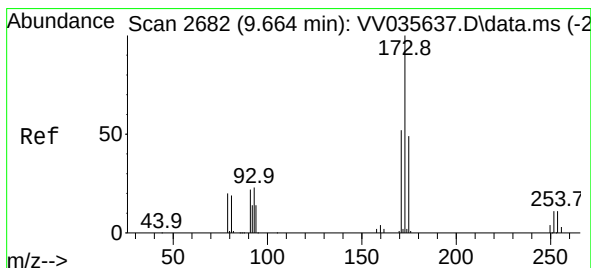
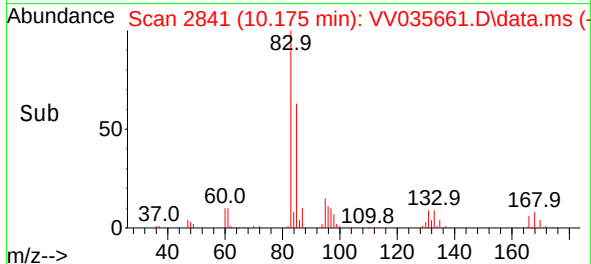
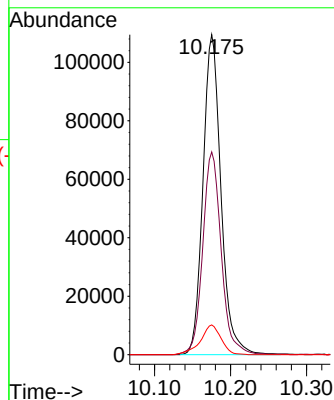
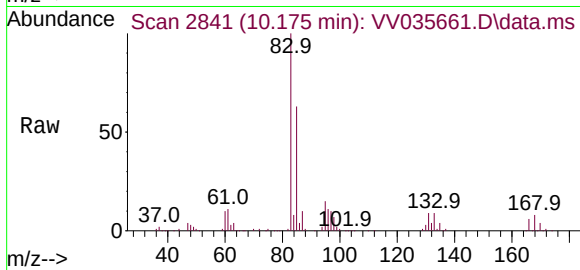




#57
1,1,2,2-Tetrachloroethane
Concen: 23.723 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV035661.D
Acq: 22 May 2024 09:15

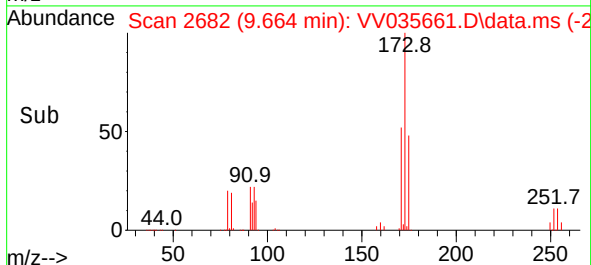
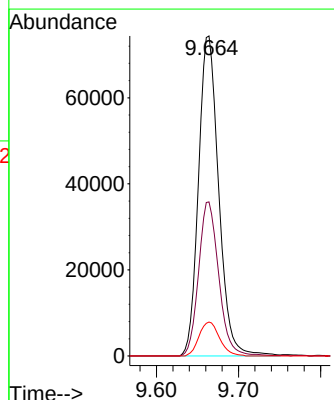
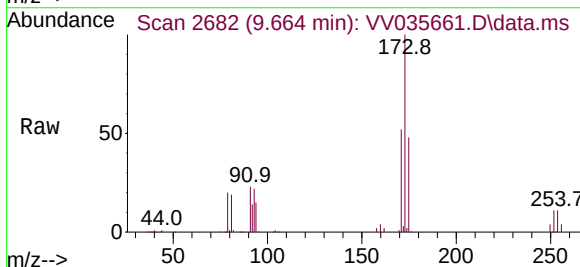
Instrument :
MSVOA_V
ClientSampleId :

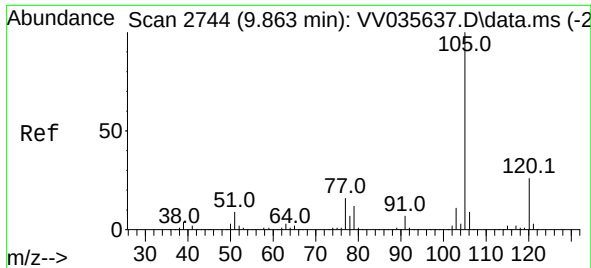
Tgt Ion: 83 Resp: 180175
Ion Ratio Lower Upper
83 100
85 63.4 44.7 83.1
131 9.3 8.0 12.0



#59
Bromoform
Concen: 27.283 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.000 min
Lab File: VV035661.D
Acq: 22 May 2024 09:15

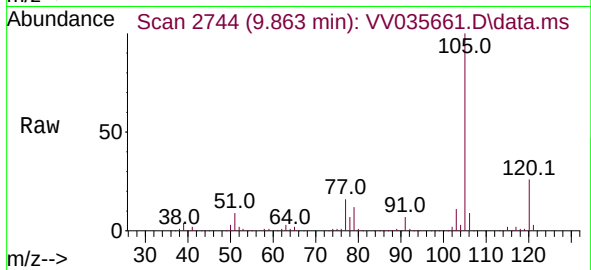
Tgt Ion: 173 Resp: 127213
Ion Ratio Lower Upper
173 100
175 48.0 38.7 58.1
254 10.8 8.3 12.5



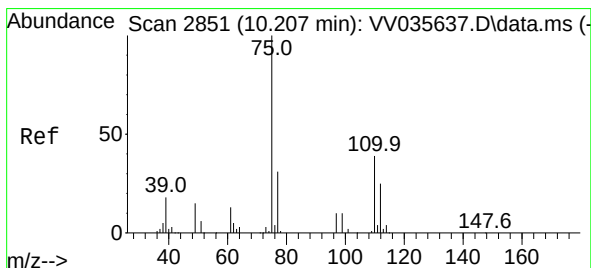
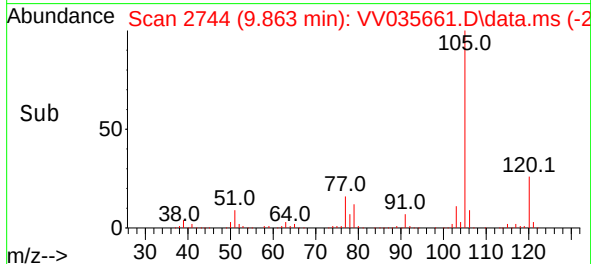
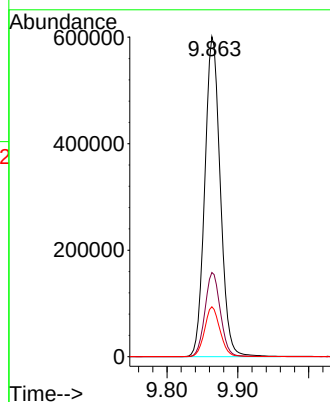


#60
Isopropylbenzene
Concen: 28.901 ug/L
RT: 9.863 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV035661.D
Acq: 22 May 2024 09:15

Instrument :
MSVOA_V
ClientSampleId :

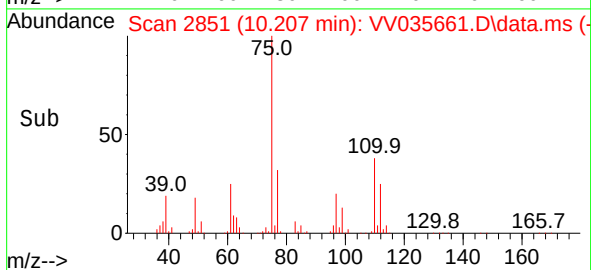
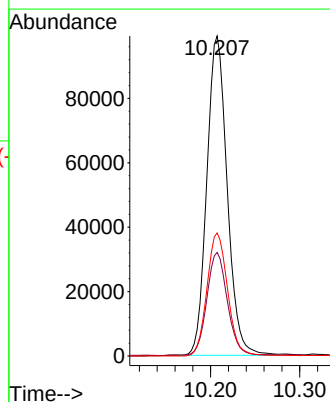
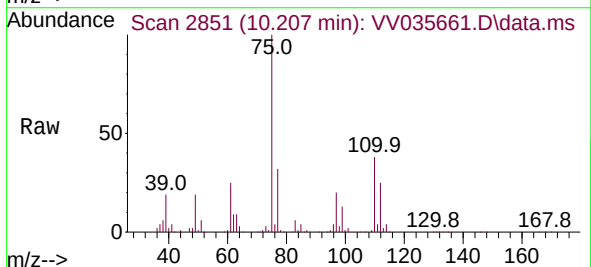


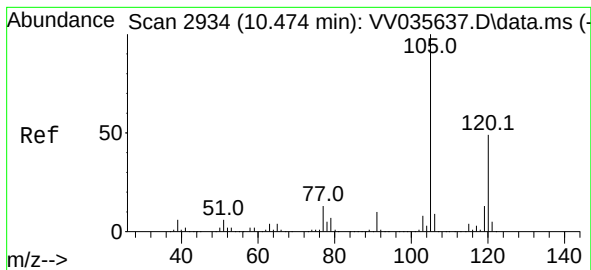
Tgt Ion:105 Resp: 913421
Ion Ratio Lower Upper
105 100
120 26.3 21.3 31.9
77 15.4 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 28.330 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV035661.D
Acq: 22 May 2024 09:15

Tgt Ion: 75 Resp: 157509
Ion Ratio Lower Upper
75 100
77 32.0 25.7 38.5
110 39.0 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 29.748 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV035661.D

Acq: 22 May 2024 09:15

Instrument :

MSVOA_V

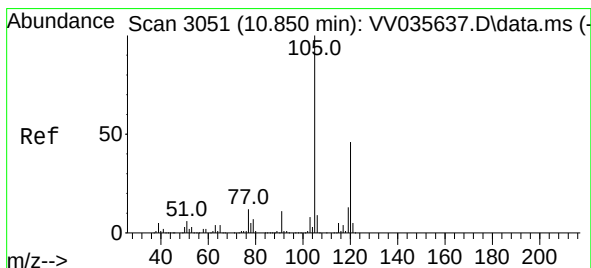
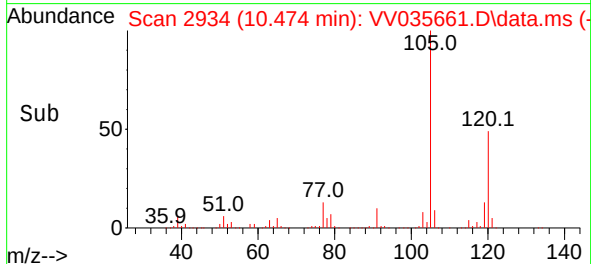
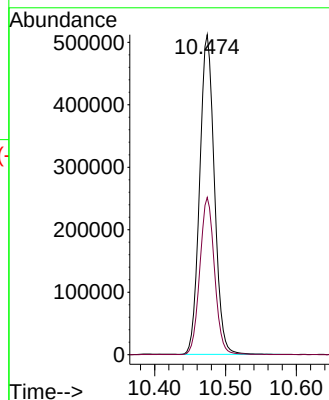
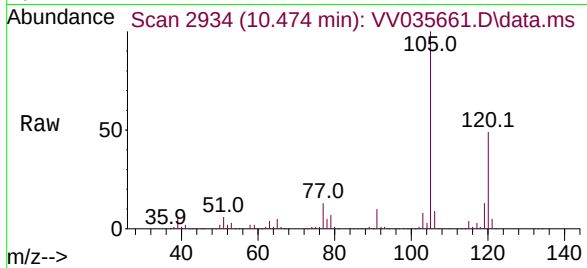
ClientSampleId :

Tgt Ion:105 Resp: 737552

Ion Ratio Lower Upper

105 100

120 49.0 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 29.224 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV035661.D

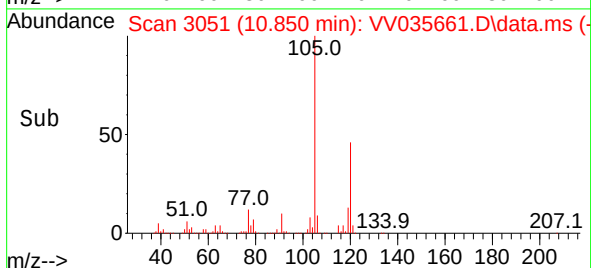
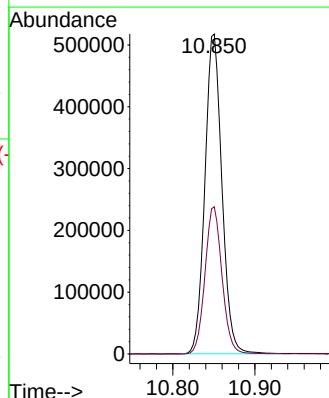
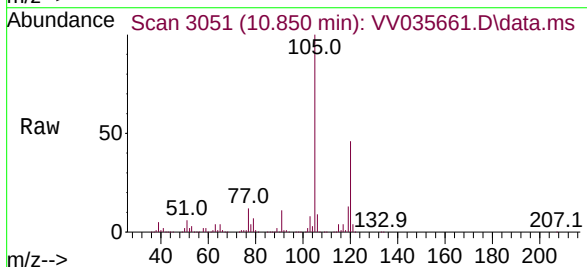
Acq: 22 May 2024 09:15

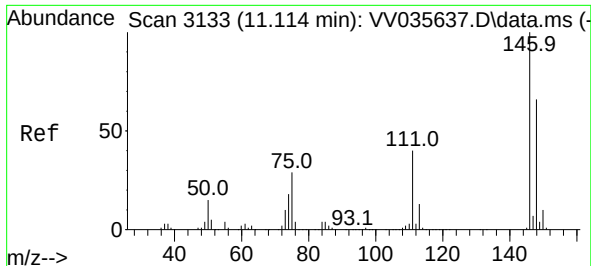
Tgt Ion:105 Resp: 744567

Ion Ratio Lower Upper

105 100

120 46.1 36.6 55.0





#64

1,3-Dichlorobenzene

Concen: 28.224 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

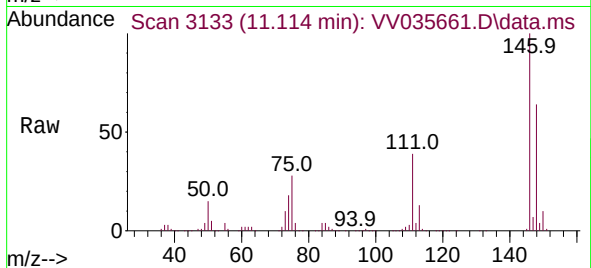
Lab File: VV035661.D

Acq: 22 May 2024 09:15

Instrument :

MSVOA_V

ClientSampleId :



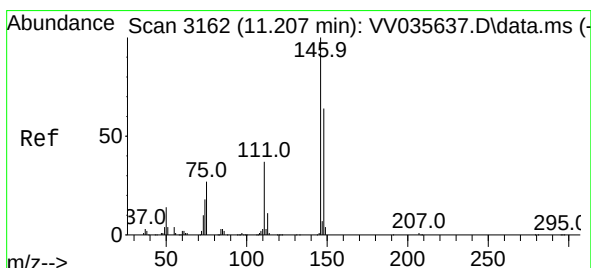
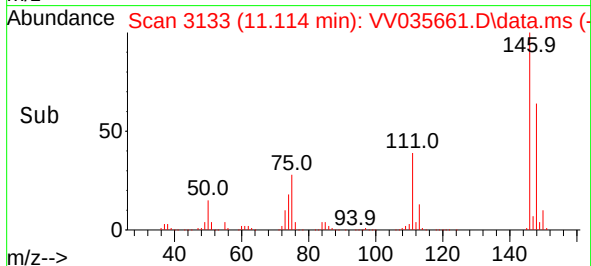
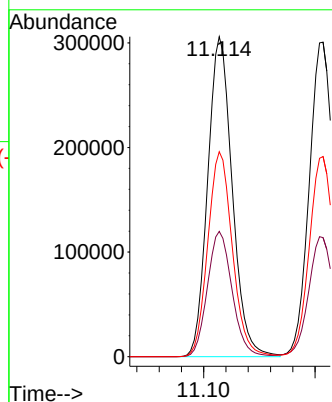
Tgt Ion:146 Resp: 468121

Ion Ratio Lower Upper

146 100

111 39.1 27.0 50.2

148 64.0 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 27.997 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV035661.D

Acq: 22 May 2024 09:15

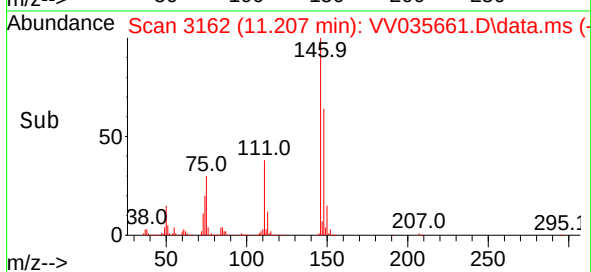
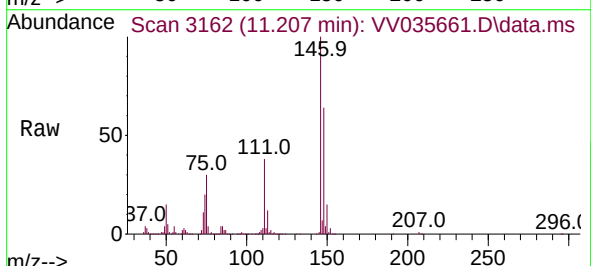
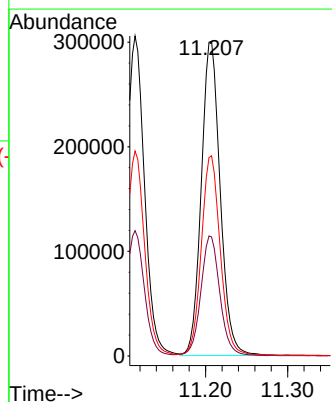
Tgt Ion:146 Resp: 480730

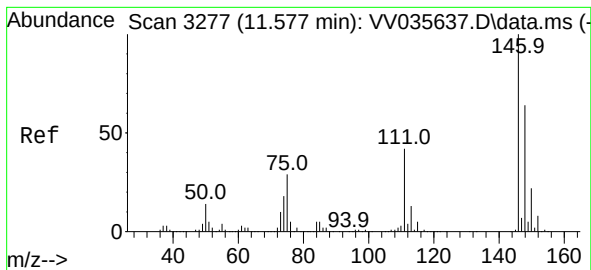
Ion Ratio Lower Upper

146 100

111 37.8 26.2 48.6

148 63.6 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 27.976 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VV035661.D

Acq: 22 May 2024 09:15

Instrument :

MSVOA_V

ClientSampleId :

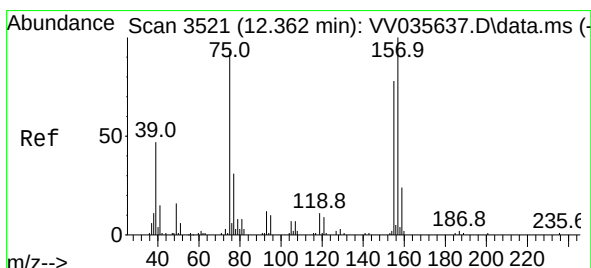
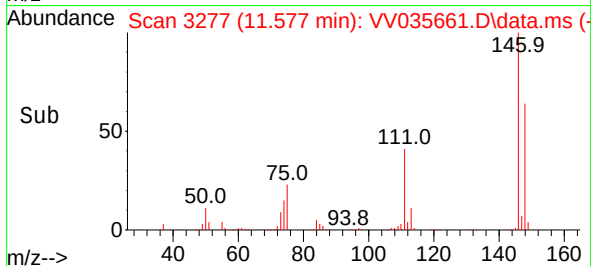
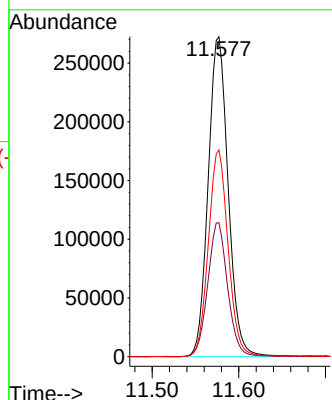
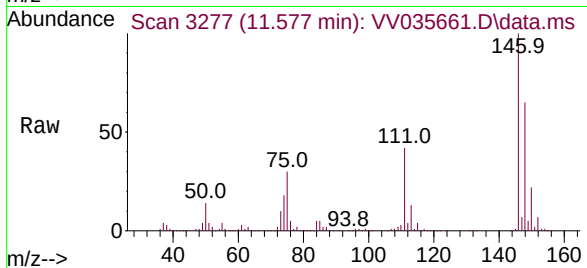
Tgt Ion:146 Resp: 436794

Ion Ratio Lower Upper

146 100

111 41.9 32.6 48.8

148 64.6 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 27.997 ug/L

RT: 12.362 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV035661.D

Acq: 22 May 2024 09:15

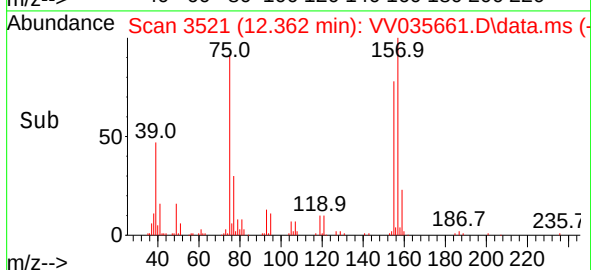
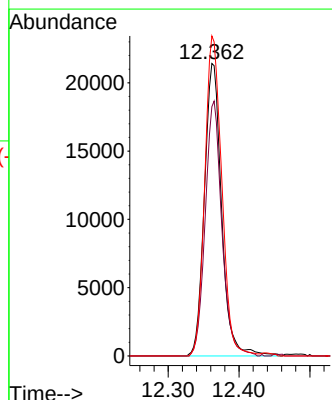
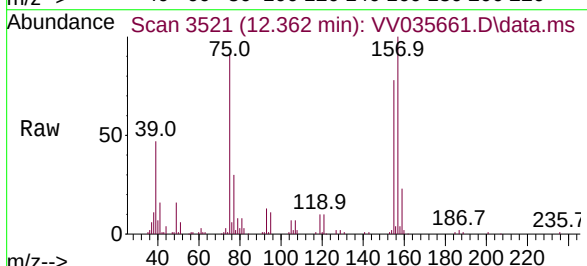
Tgt Ion: 75 Resp: 36101

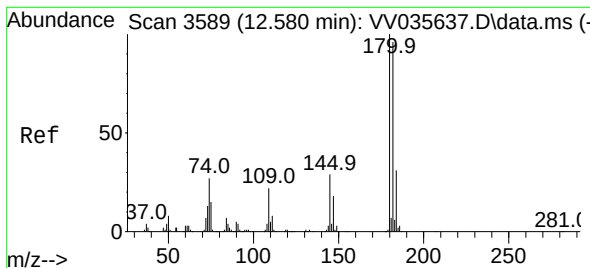
Ion Ratio Lower Upper

75 100

155 85.2 69.8 104.6

157 109.4 95.0 142.6





#69

1,3,5-Trichlorobenzene

Concen: 27.633 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

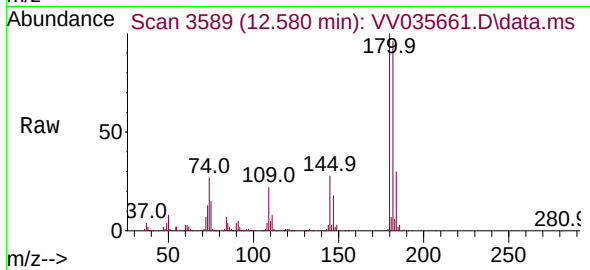
Lab File: VV035661.D

Acq: 22 May 2024 09:15

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 358157

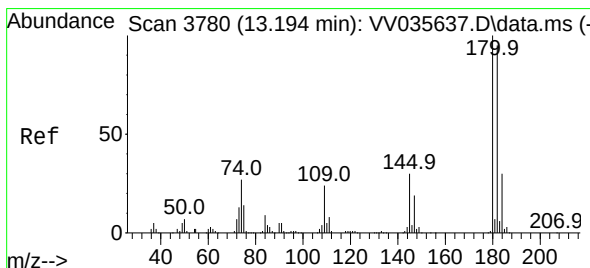
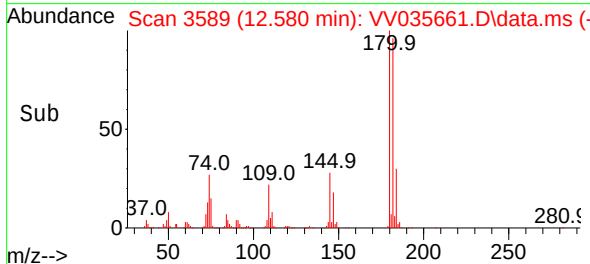
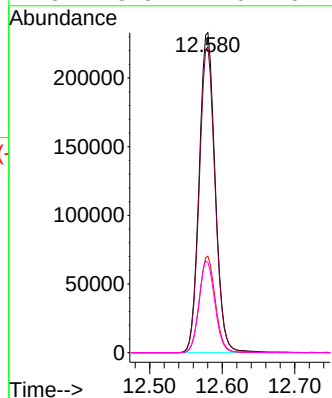
Ion Ratio Lower Upper

180 100

182 94.7 76.2 114.2

184 29.8 24.1 36.1

145 28.5 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 27.130 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.000 min

Lab File: VV035661.D

Acq: 22 May 2024 09:15

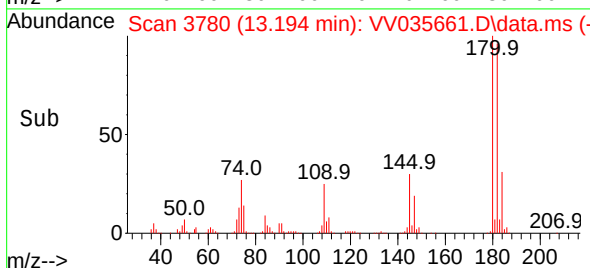
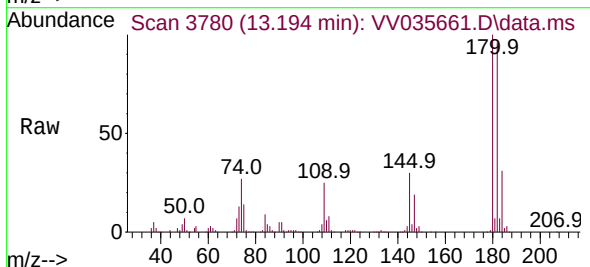
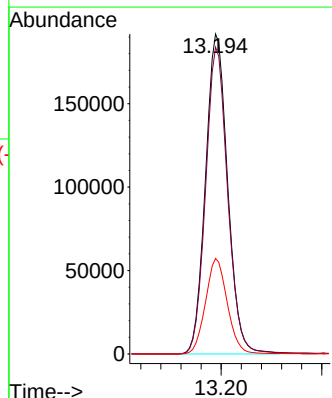
Tgt Ion:180 Resp: 293627

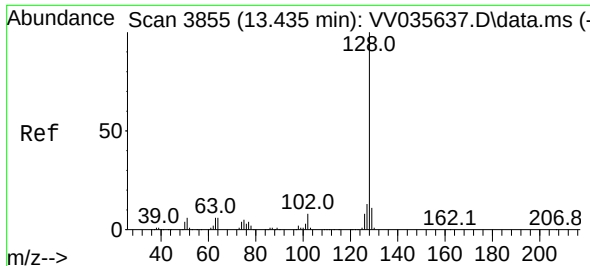
Ion Ratio Lower Upper

180 100

182 95.2 76.6 114.8

145 29.4 23.2 34.8

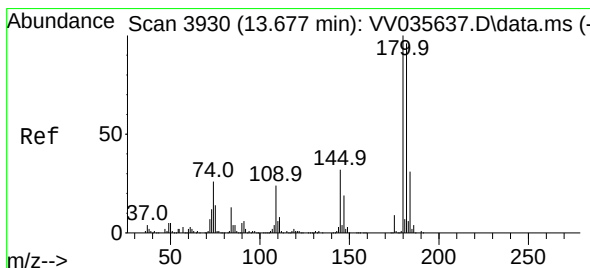
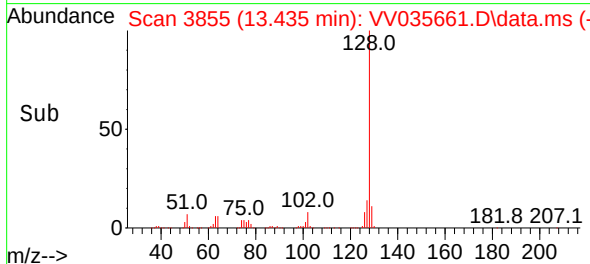
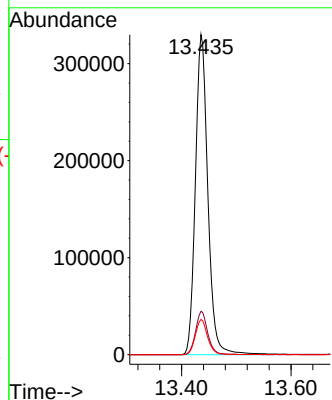
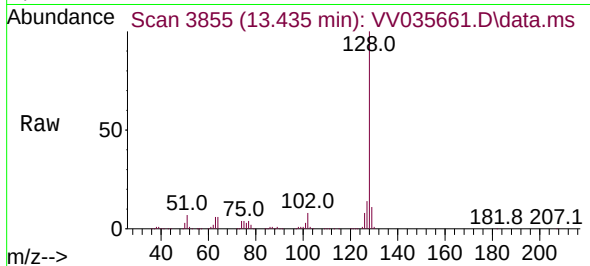




#71
Naphthalene
Concen: 27.431 ug/L
RT: 13.435 min Scan# 3855
Delta R.T. 0.000 min
Lab File: VV035661.D
Acq: 22 May 2024 09:15

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 521180
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.7 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 29.120 ug/L
RT: 13.677 min Scan# 3930
Delta R.T. 0.000 min
Lab File: VV035661.D
Acq: 22 May 2024 09:15

Tgt Ion:180 Resp: 283517
Ion Ratio Lower Upper
180 100
182 95.5 75.8 113.6
145 31.4 25.2 37.8

