

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052324\
 Data File : VV035710.D
 Acq On : 23 May 2024 16:04
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 6.45g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 24 01:49:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 01:44:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	496459	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	487737	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	259803	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	138282	18.021	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.080%
7) Chloroethane-d5	1.529	69	130841	21.136	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.560%
11) 1,1-Dichloroethene-d2	2.053	65	66890	19.690	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.760%
21) 2-Butanone-d5	3.828	46	114166	52.427	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.860%
24) Chloroform-d	4.246	84	379071	25.683	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.720%
26) 1,2-Dichloroethane-d4	4.941	65	177589	24.339	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.360%
32) Benzene-d6	4.957	84	653098	24.462	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.840%
36) 1,2-Dichloropropane-d6	5.986	67	215090	26.105	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.440%
41) Toluene-d8	7.243	98	577911	24.321	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.280%
43) trans-1,3-Dichloroprop...	7.551	79	82994	23.553	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.200%
47) 2-Hexanone-d5	8.030	63	72587	48.993	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.980%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	192282	24.218	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.880%
66) 1,2-Dichlorobenzene-d4	11.558	152	232270	25.761	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	211509	20.955	ug/L	99
3) Chloromethane	1.214	50	214252	21.142	ug/L	99
5) Vinyl chloride	1.278	62	238105	22.743	ug/L	99
6) Bromomethane	1.484	94	150059	22.637	ug/L	100
8) Chloroethane	1.545	64	157052	24.335	ug/L	99
9) Trichlorofluoromethane	1.709	101	331398	24.251	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	219409	25.447	ug/L	99
12) 1,1-Dichloroethene	2.066	96	188680	24.227	ug/L	98
13) Acetone	2.146	43	108718	34.105	ug/L	93
14) Carbon disulfide	2.233	76	486951	19.741	ug/L	99
15) Methyl Acetate	2.384	43	92188	19.088	ug/L	94
16) Methylene chloride	2.442	84	257355	22.480	ug/L	96
17) trans-1,2-Dichloroethene	2.690	96	210942	24.399	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	511452	24.524	ug/L	99
19) 1,1-Dichloroethane	3.108	63	438598	27.060	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	236216	25.203	ug/L	98
22) 2-Butanone	3.905	43	98263	33.193	ug/L	# 71
23) Bromochloromethane	4.146	128	113362	25.007	ug/L	98
25) Chloroform	4.272	83	461611	27.580	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052324\
 Data File : VV035710.D
 Acq On : 23 May 2024 16:04
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 6.45g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

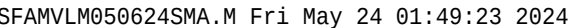
Instrument :
 MSVOA_V
 ClientSampleId :

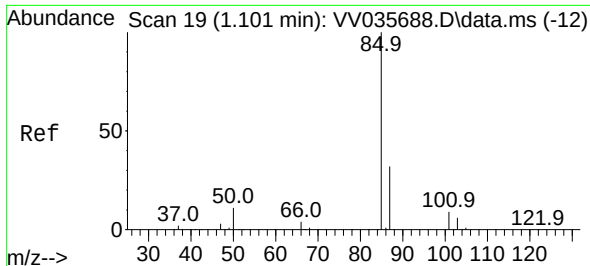
Quant Time: May 24 01:49:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 01:44:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	266259	25.547	ug/L	99
29) Cyclohexane	4.580	56	283925	24.343	ug/L	98
30) 1,1,1-Trichloroethane	4.507	97	384771	28.452	ug/L	99
31) Carbon tetrachloride	4.732	117	327345	27.587	ug/L	100
33) Benzene	5.005	78	912439	28.266	ug/L	100
34) Trichloroethene	5.831	95	262502	28.749	ug/L	99
35) Methylcyclohexane	6.047	83	343489	24.778	ug/L	98
37) 1,2-Dichloropropane	6.092	63	245801	29.186	ug/L	99
38) Bromodichloromethane	6.429	83	326035	28.577	ug/L	97
39) cis-1,3-Dichloropropene	6.953	75	357440	27.135	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	242049	47.989	ug/L	99
42) Toluene	7.313	91	987270	28.900	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	309603	26.868	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	192969	26.966	ug/L	99
46) Tetrachloroethene	7.902	164	192144	25.902	ug/L	99
48) 2-Hexanone	8.079	43	172701	45.666	ug/L	100
49) Dibromochloromethane	8.175	129	215736	26.718	ug/L	98
50) 1,2-Dibromoethane	8.281	107	176711	25.067	ug/L	99
51) Chlorobenzene	8.812	112	649068	27.382	ug/L	99
52) Ethylbenzene	8.944	91	1085112	28.769	ug/L	100
53) m,p-Xylene	9.072	106	409627	28.625	ug/L	99
54) o-Xylene	9.477	106	392579	28.946	ug/L	99
55) Styrene	9.493	104	717854	30.346	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	189624	21.754	ug/L	99
59) Bromoform	9.664	173	137466	26.924	ug/L	99
60) Isopropylbenzene	9.866	105	1108778	32.039	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	161519	26.531	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	888397	32.723	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	883967	31.685	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	534430	29.426	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	546412	29.061	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	491691	28.760	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	35396	25.069	ug/L	91
69) 1,3,5-Trichlorobenzene	12.580	180	395003	27.832	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	319358	26.948	ug/L	99
71) Naphthalene	13.435	128	530622	25.504	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	302950	28.416	ug/L	99

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

Quant Time: May 24 01:49:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 24 01:44:38 2024
Response via : Initial Calibration

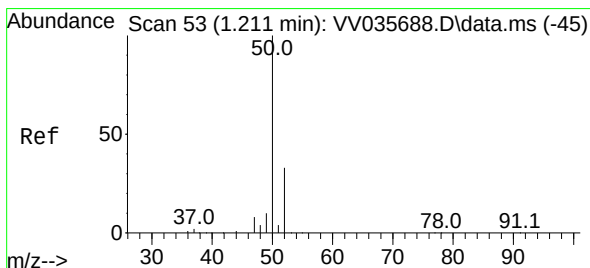
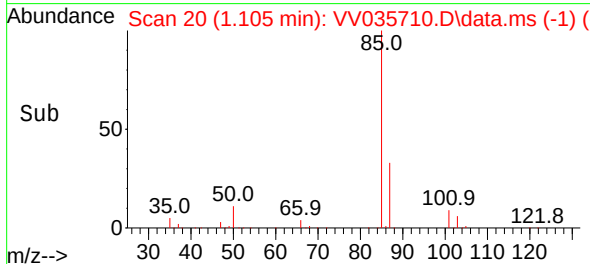
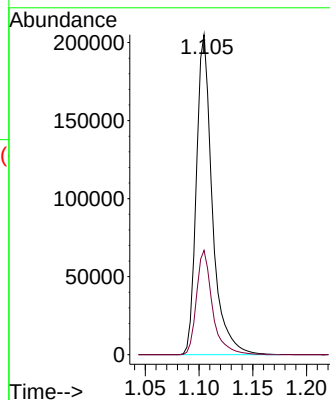
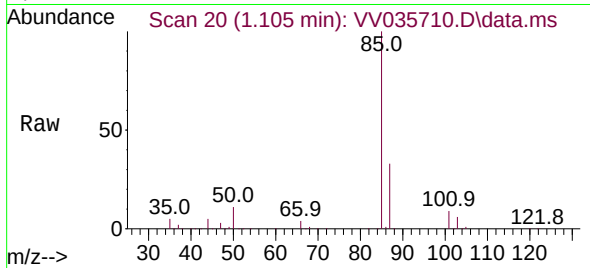




#2
 Dichlorodifluoromethane
 Concen: 20.955 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.003 min
 Lab File: VV035710.D
 Acq: 23 May 2024 16:04

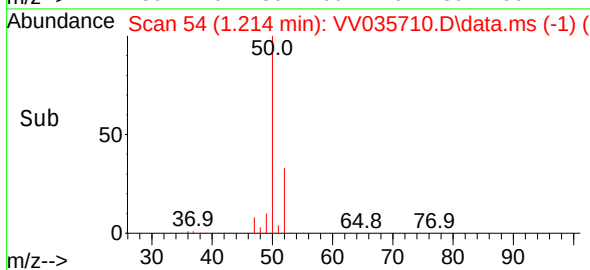
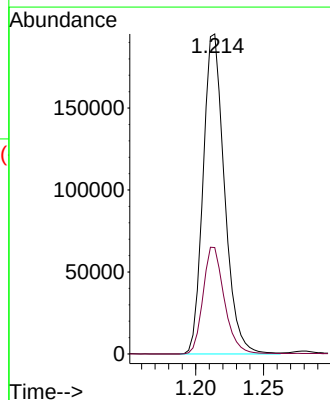
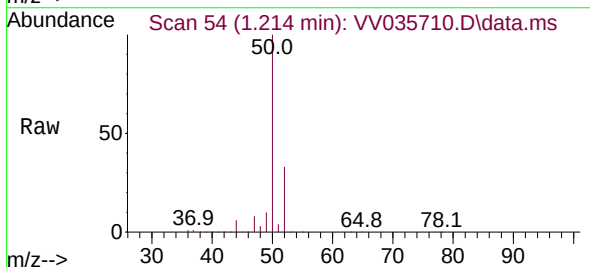
Instrument :
 MSVOA_V
 ClientSampleId :

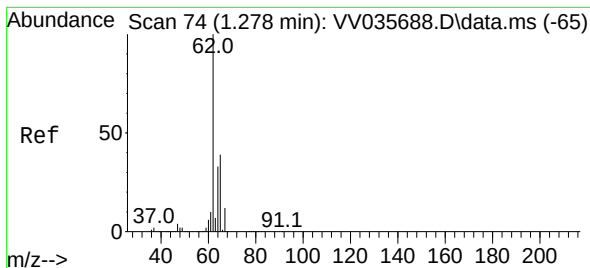
Tgt Ion: 85 Resp: 211509
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.8 38.6



#3
 Chloromethane
 Concen: 21.142 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.003 min
 Lab File: VV035710.D
 Acq: 23 May 2024 16:04

Tgt Ion: 50 Resp: 214252
 Ion Ratio Lower Upper
 50 100
 52 33.2 22.7 42.1





#5

Vinyl chloride

Concen: 22.743 ug/L

RT: 1.278 min Scan# 74

Delta R.T. 0.000 min

Lab File: VV035710.D

Acq: 23 May 2024 16:04

Instrument :

MSVOA_V

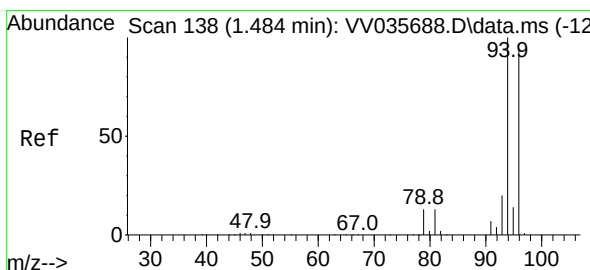
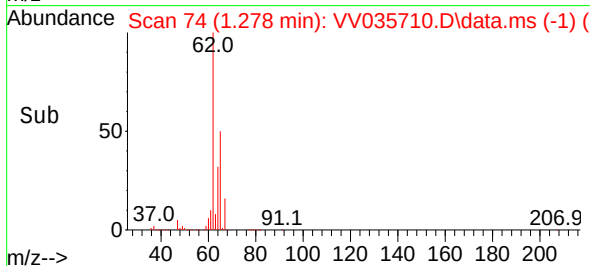
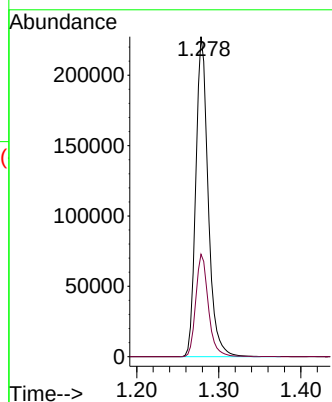
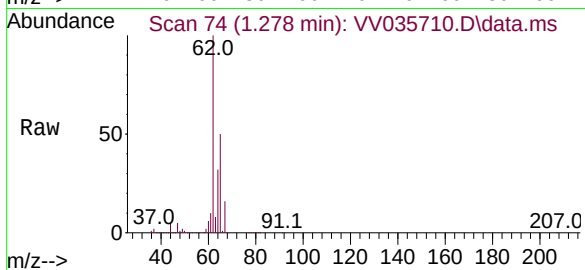
ClientSampleId :

Tgt Ion: 62 Resp: 238105

Ion Ratio Lower Upper

62 100

64 32.0 23.0 42.6



#6

Bromomethane

Concen: 22.637 ug/L

RT: 1.484 min Scan# 138

Delta R.T. 0.000 min

Lab File: VV035710.D

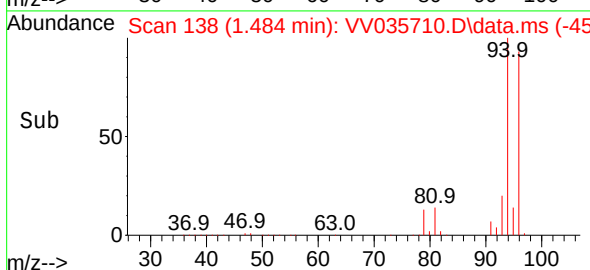
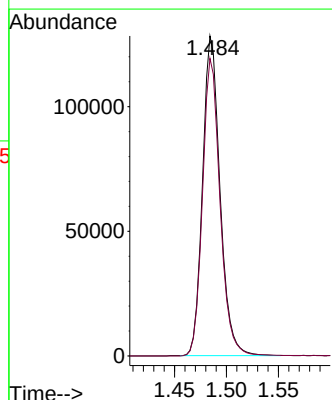
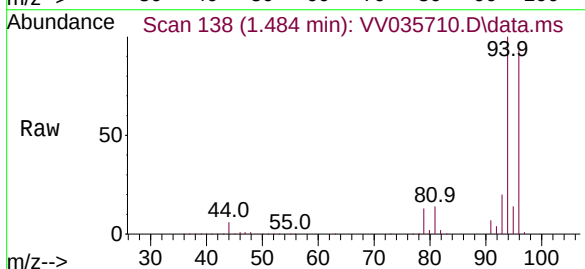
Acq: 23 May 2024 16:04

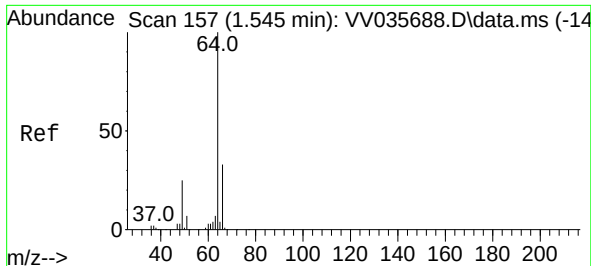
Tgt Ion: 94 Resp: 150059

Ion Ratio Lower Upper

94 100

96 93.0 65.2 121.0

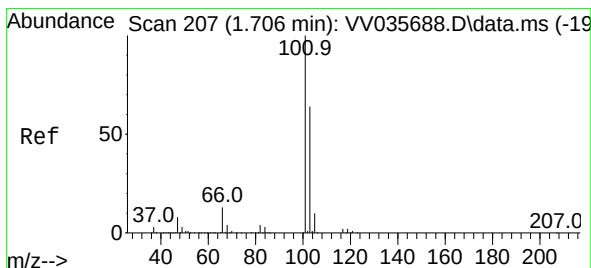
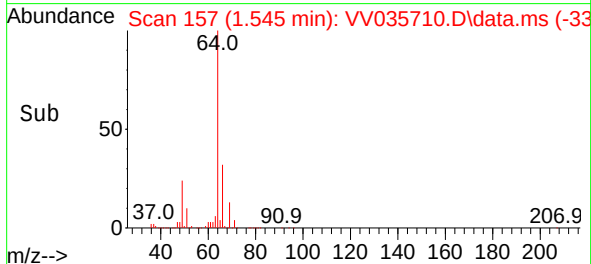
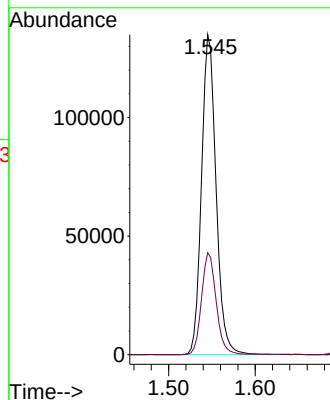
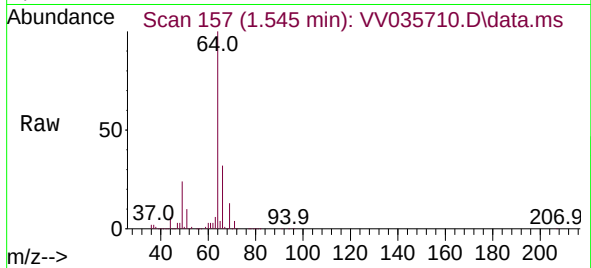




#8
Chloroethane
Concen: 24.335 ug/L
RT: 1.545 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV035710.D
Acq: 23 May 2024 16:04

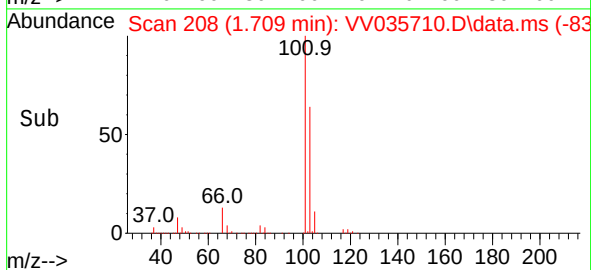
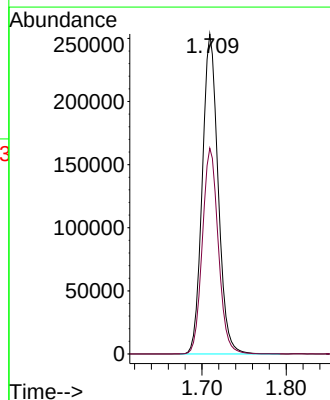
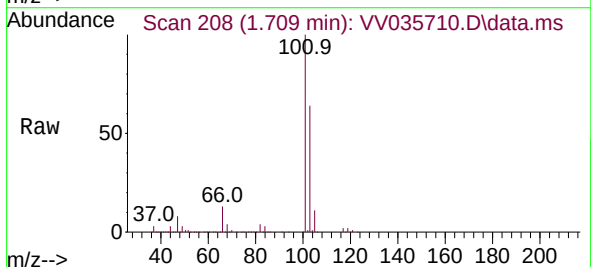
Instrument :
MSVOA_V
ClientSampleId :

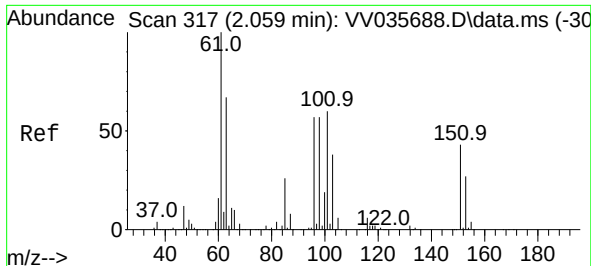
Tgt Ion: 64 Resp: 157052
Ion Ratio Lower Upper
64 100
66 31.9 22.0 40.8



#9
Trichlorofluoromethane
Concen: 24.251 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.003 min
Lab File: VV035710.D
Acq: 23 May 2024 16:04

Tgt Ion:101 Resp: 331398
Ion Ratio Lower Upper
101 100
103 64.7 51.5 77.3





#10

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

Concen: 25.447 ug/L

RT: 2.063 min Scan# 317

Delta R.T. 0.003 min

Lab File: VV035710.D

Acq: 23 May 2024 16:04

Instrument :

MSVOA_V

ClientSampleId :

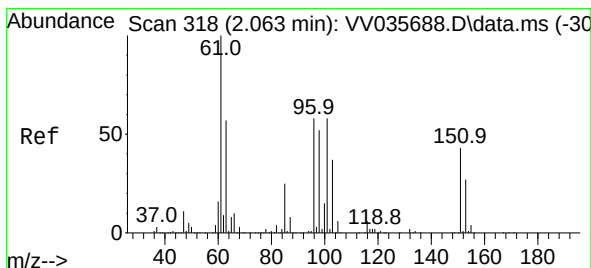
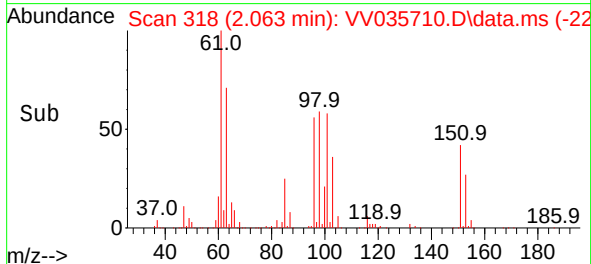
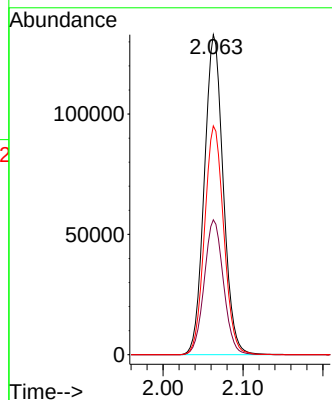
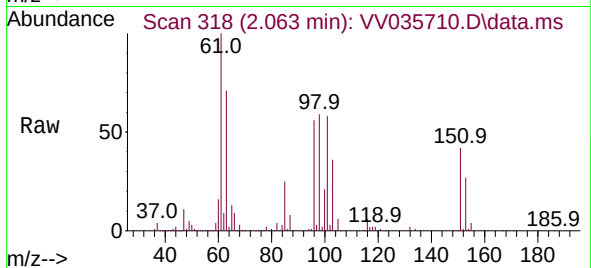
Tgt Ion:101 Resp: 219409

Ion Ratio Lower Upper

101 100

85 42.7 34.2 51.4

151 72.5 59.5 89.3



#12

1,1-Dichloroethene

Concen: 24.227 ug/L

RT: 2.066 min Scan# 319

Delta R.T. 0.003 min

Lab File: VV035710.D

Acq: 23 May 2024 16:04

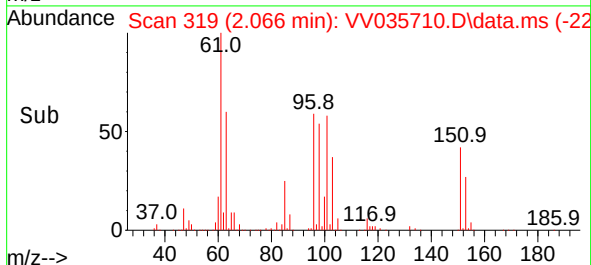
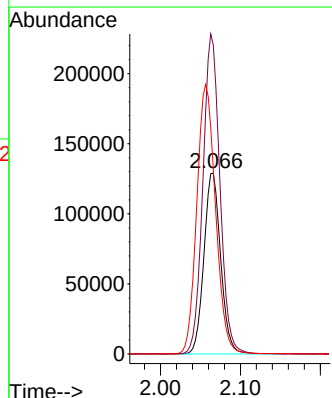
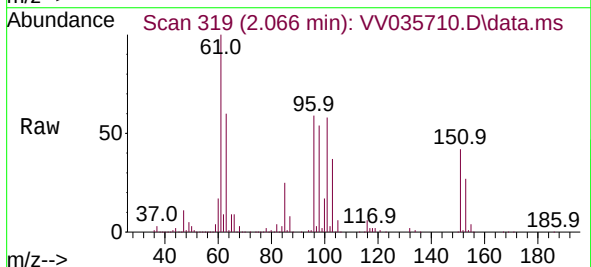
Tgt Ion: 96 Resp: 188680

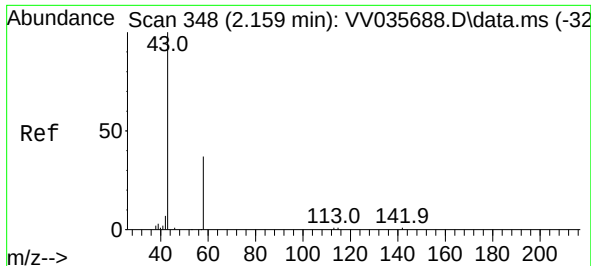
Ion Ratio Lower Upper

96 100

61 170.7 119.8 222.4

63 102.0 75.6 140.4





#13

Acetone

Concen: 34.105 ug/L

RT: 2.146 min Scan# 34

Delta R.T. -0.013 min

Lab File: VV035710.D

Acq: 23 May 2024 16:04

Instrument :

MSVOA_V

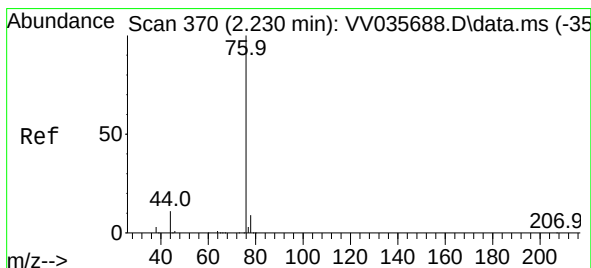
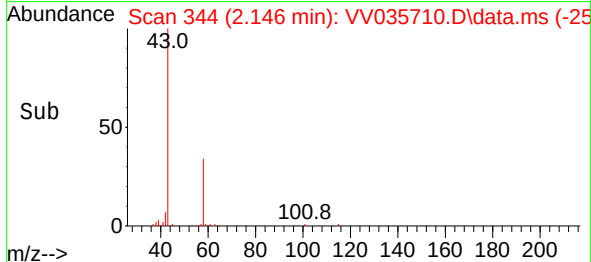
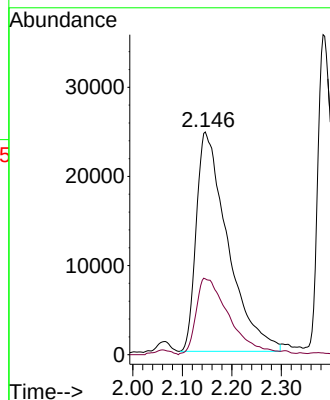
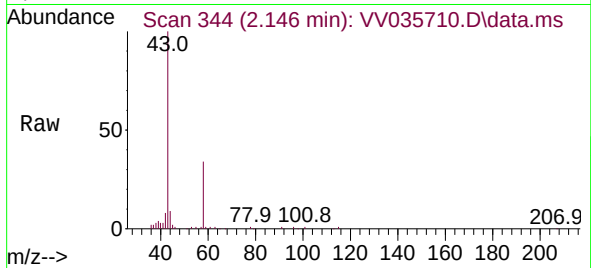
ClientSampleId :

Tgt Ion: 43 Resp: 108718

Ion Ratio Lower Upper

43 100

58 14.0 0.0 22.8



#14

Carbon disulfide

Concen: 19.741 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.003 min

Lab File: VV035710.D

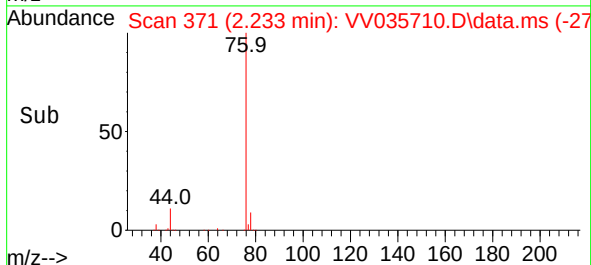
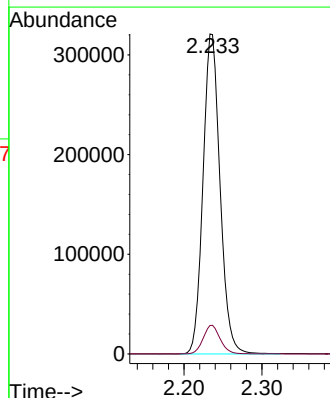
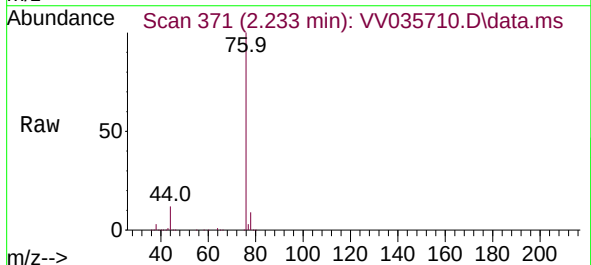
Acq: 23 May 2024 16:04

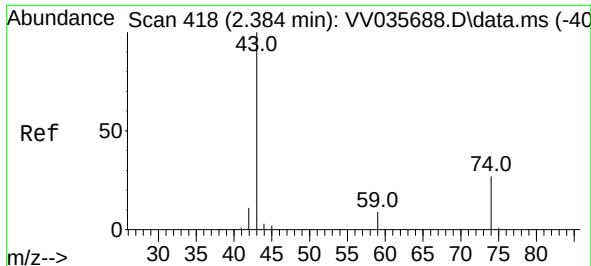
Tgt Ion: 76 Resp: 486951

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3





#15

Methyl Acetate

Concen: 19.088 ug/L

RT: 2.384 min Scan# 418

Delta R.T. 0.000 min

Lab File: VV035710.D

Acq: 23 May 2024 16:04

Instrument :

MSVOA_V

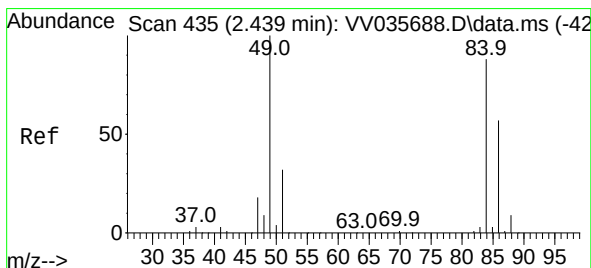
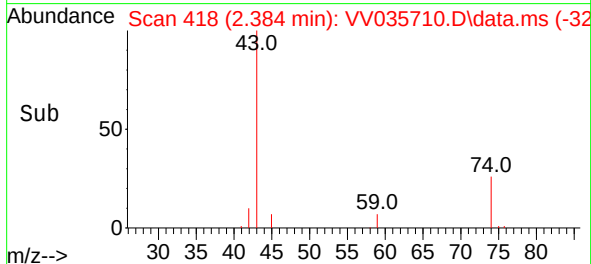
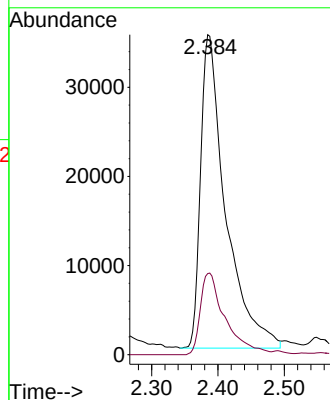
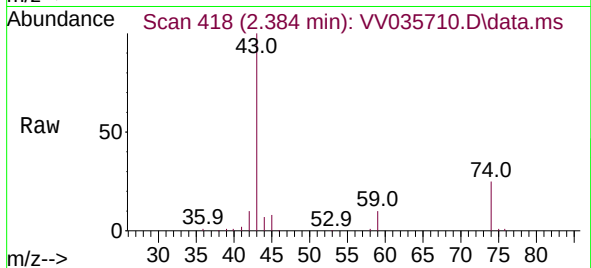
ClientSampleId :

Tgt Ion: 43 Resp: 92188

Ion Ratio Lower Upper

43 100

74 25.9 18.6 27.8



#16

Methylene chloride

Concen: 22.480 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.003 min

Lab File: VV035710.D

Acq: 23 May 2024 16:04

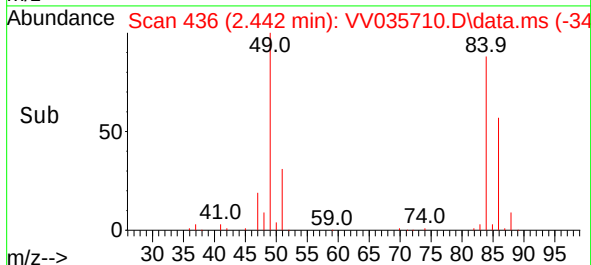
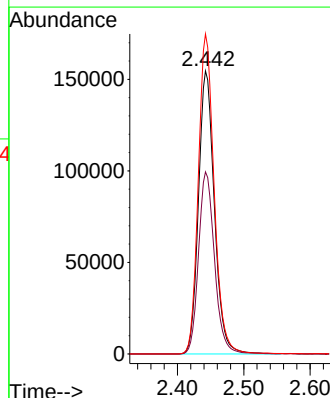
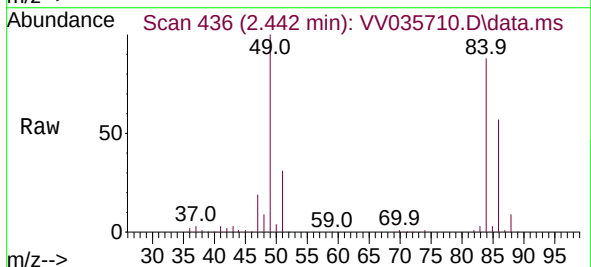
Tgt Ion: 84 Resp: 257355

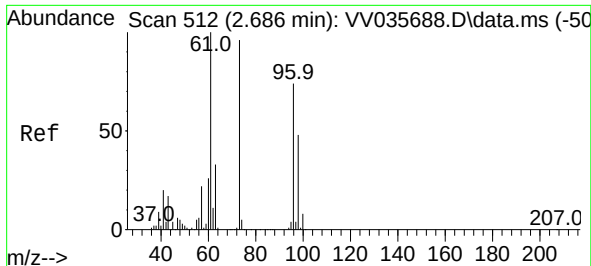
Ion Ratio Lower Upper

84 100

86 64.3 43.8 81.3

49 113.0 75.3 139.9





#17

trans-1,2-Dichloroethene

Concen: 24.399 ug/L

RT: 2.690 min Scan# 512

Delta R.T. 0.003 min

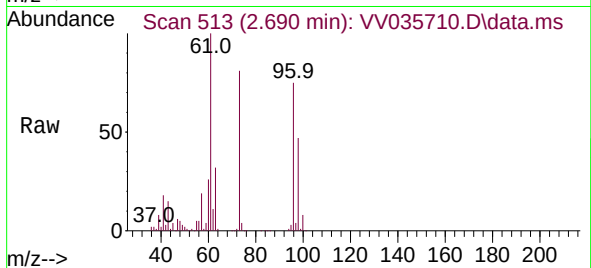
Lab File: VV035710.D

Acq: 23 May 2024 16:04

Instrument :

MSVOA_V

ClientSampleId :



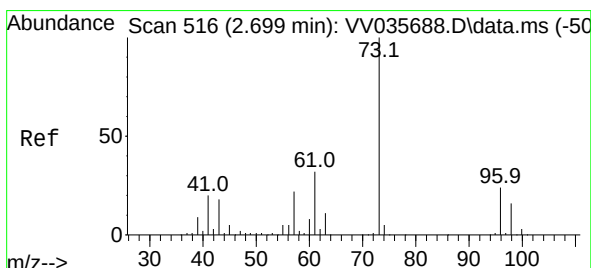
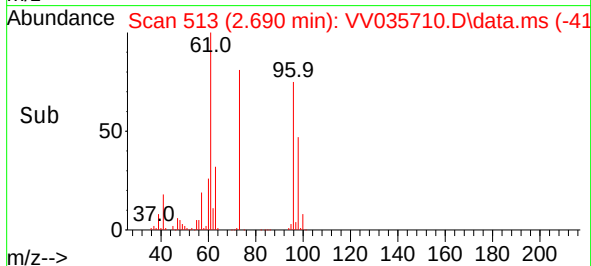
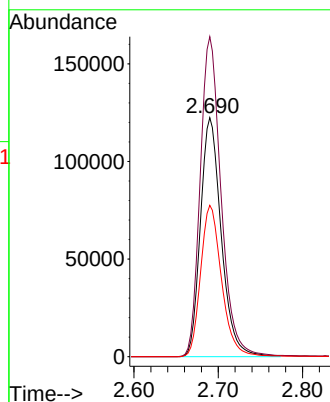
Tgt Ion: 96 Resp: 210942

Ion Ratio Lower Upper

96 100

61 133.9 95.5 177.4

98 63.3 46.0 85.4



#18

Methyl tert-butyl Ether

Concen: 24.524 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.003 min

Lab File: VV035710.D

Acq: 23 May 2024 16:04

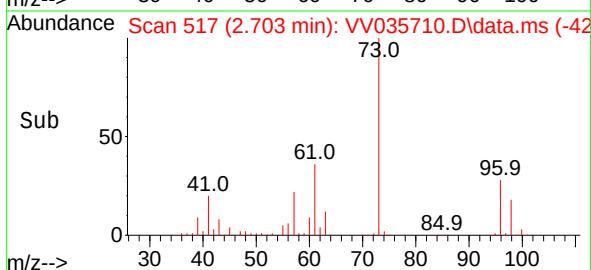
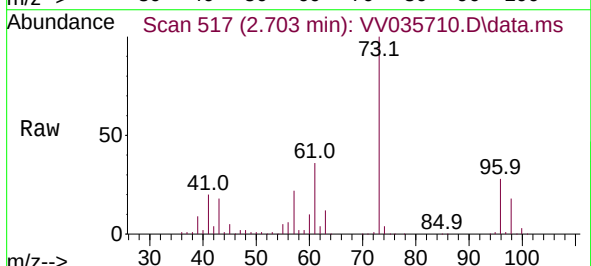
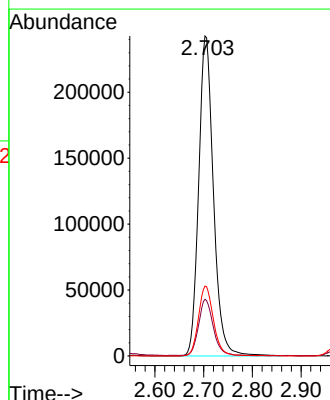
Tgt Ion: 73 Resp: 511452

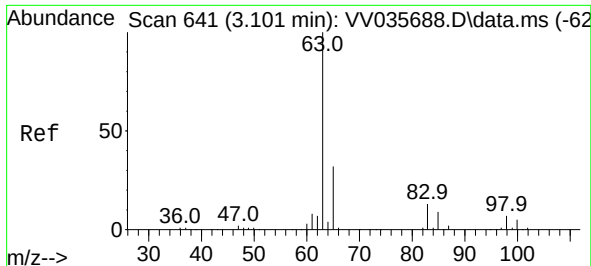
Ion Ratio Lower Upper

73 100

43 17.2 13.3 19.9

57 22.1 17.4 26.2

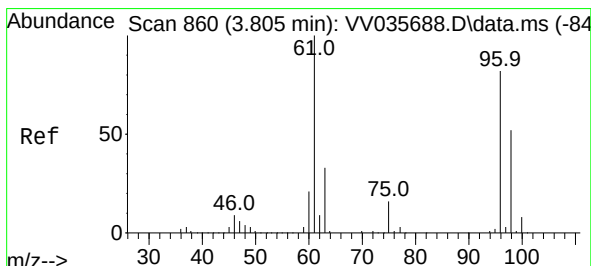
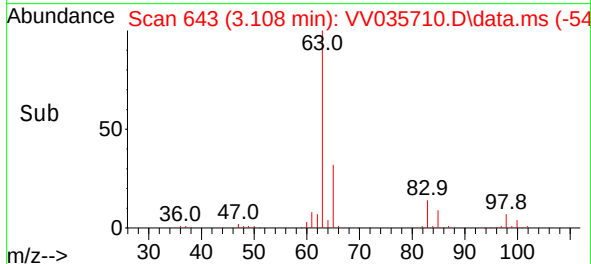
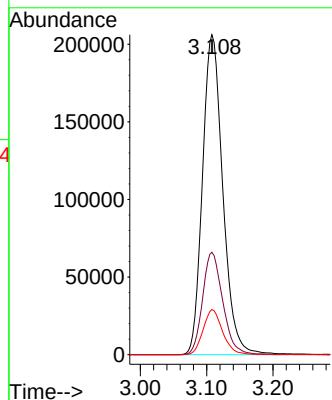
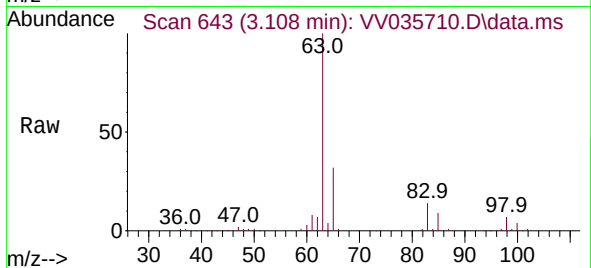




#19
1,1-Dichloroethane
Concen: 27.060 ug/L
RT: 3.108 min Scan# 641
Delta R.T. 0.007 min
Lab File: VV035710.D
Acq: 23 May 2024 16:04

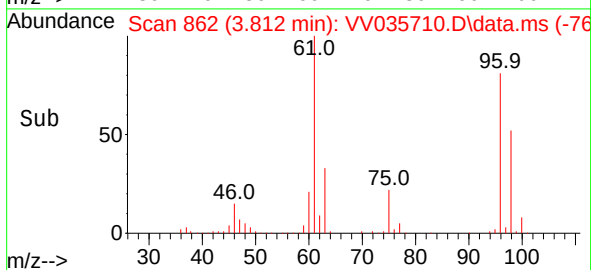
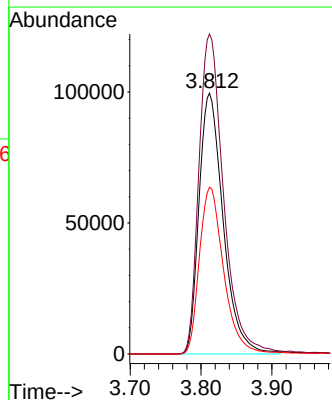
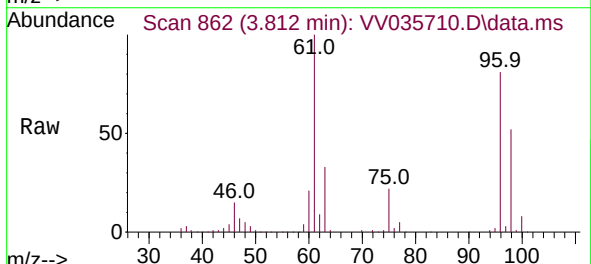
Instrument :
MSVOA_V
ClientSampleId :

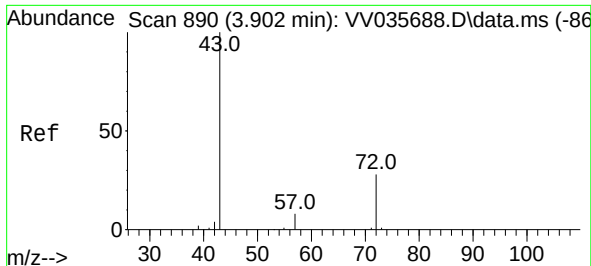
Tgt Ion: 63 Resp: 438598
Ion Ratio Lower Upper
63 100
65 32.0 22.7 42.3
83 14.1 9.7 17.9



#20
cis-1,2-Dichloroethene
Concen: 25.203 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.007 min
Lab File: VV035710.D
Acq: 23 May 2024 16:04

Tgt Ion: 96 Resp: 236216
Ion Ratio Lower Upper
96 100
61 122.7 83.9 155.9
98 64.0 44.0 81.8

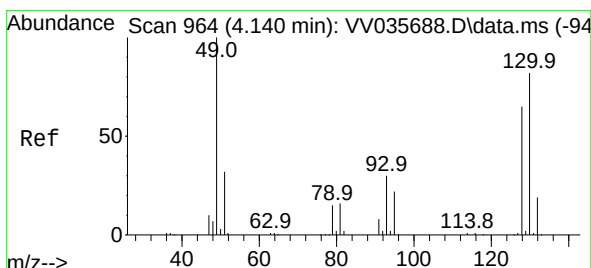
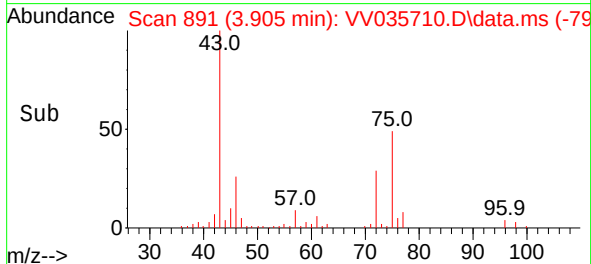
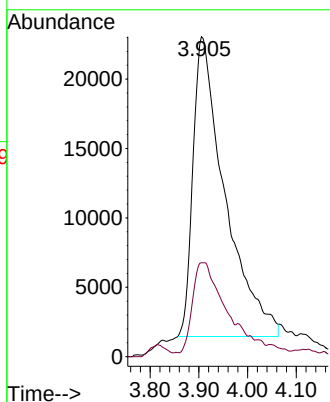
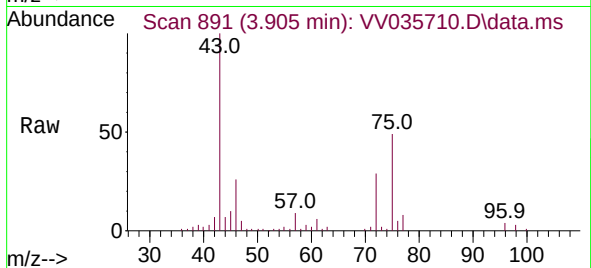




#22
2-Butanone
Concen: 33.193 ug/L
RT: 3.905 min Scan# 890
Delta R.T. 0.003 min
Lab File: VV035710.D
Acq: 23 May 2024 16:04

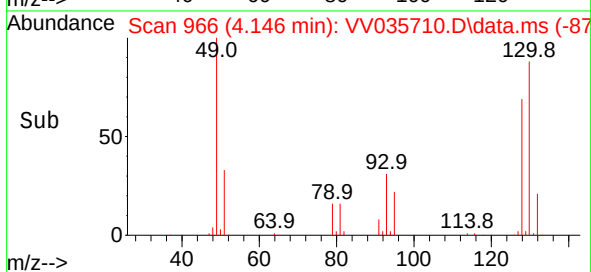
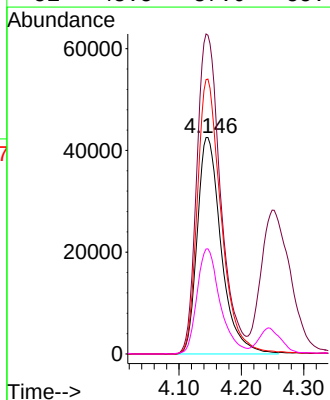
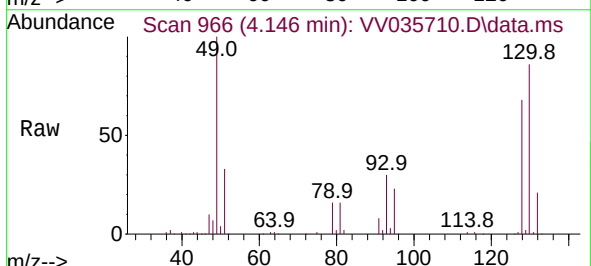
Instrument :
MSVOA_V
ClientSampleId :

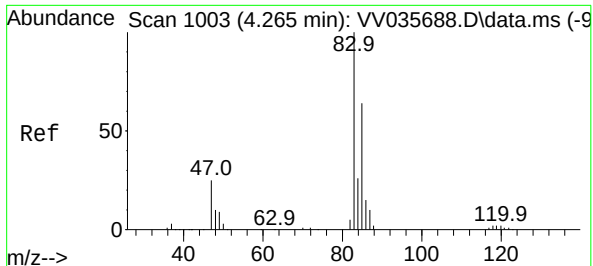
Tgt Ion: 43 Resp: 98263
Ion Ratio Lower Upper
43 100
72 10.2 12.3 36.9#



#23
Bromochloromethane
Concen: 25.007 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.007 min
Lab File: VV035710.D
Acq: 23 May 2024 16:04

Tgt Ion:128 Resp: 113362
Ion Ratio Lower Upper
128 100
49 147.2 103.1 191.5
130 127.0 91.8 170.4
51 48.5 37.0 55.4





#25

Chloroform

Concen: 27.580 ug/L

RT: 4.272 min Scan# 1003

Delta R.T. 0.007 min

Lab File: VV035710.D

Acq: 23 May 2024 16:04

Instrument :

MSVOA_V

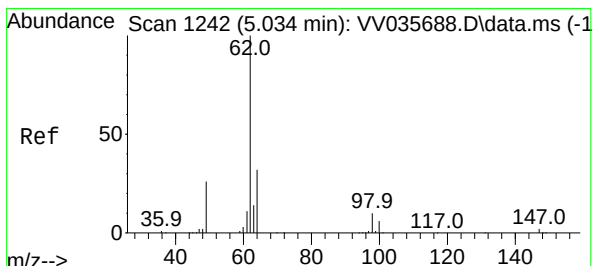
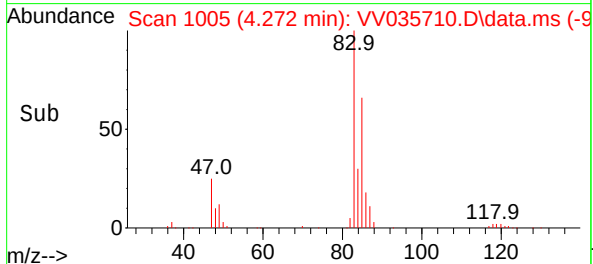
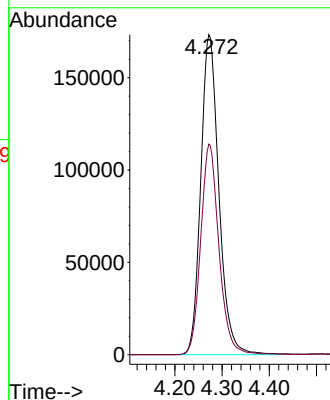
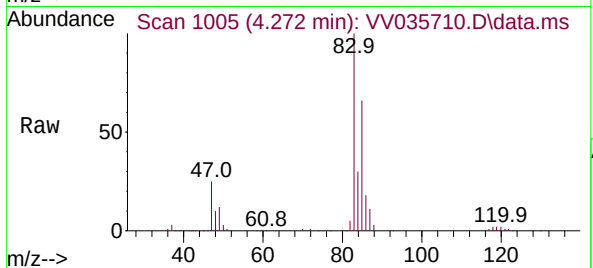
ClientSampleId :

Tgt Ion: 83 Resp: 461611

Ion Ratio Lower Upper

83 100

85 65.8 44.7 82.9



#27

1,2-Dichloroethane

Concen: 25.547 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.007 min

Lab File: VV035710.D

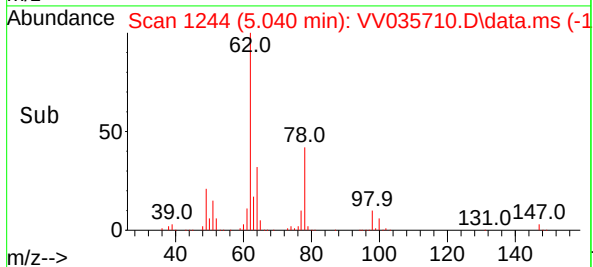
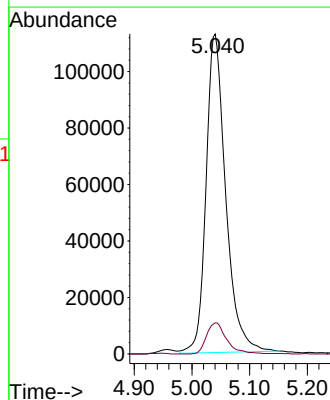
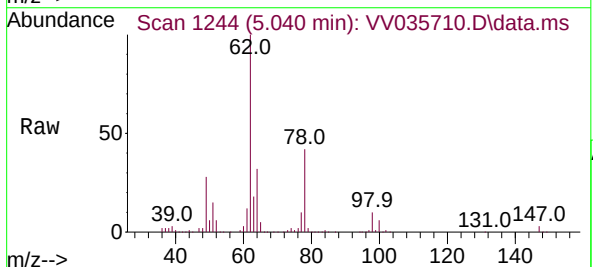
Acq: 23 May 2024 16:04

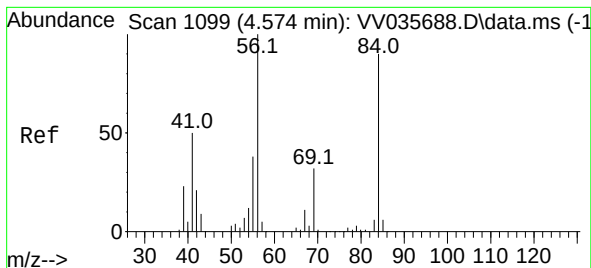
Tgt Ion: 62 Resp: 266259

Ion Ratio Lower Upper

62 100

98 9.7 8.2 12.2





#29

Cyclohexane

Concen: 24.343 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. 0.007 min

Lab File: VV035710.D

Acq: 23 May 2024 16:04

Instrument :

MSVOA_V

ClientSampleId :

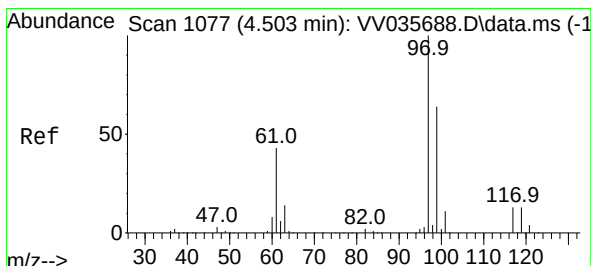
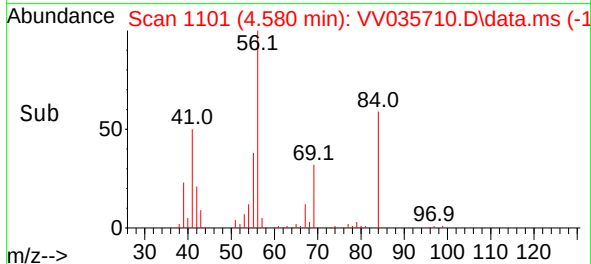
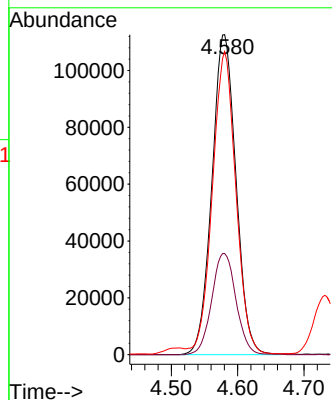
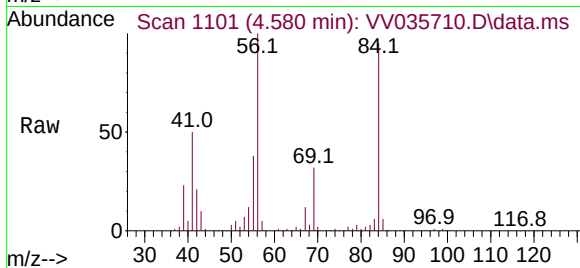
Tgt Ion: 56 Resp: 283925

Ion Ratio Lower Upper

56 100

69 31.9 25.6 38.4

84 91.6 74.8 112.2



#30

1,1,1-Trichloroethane

Concen: 28.452 ug/L

RT: 4.507 min Scan# 1078

Delta R.T. 0.003 min

Lab File: VV035710.D

Acq: 23 May 2024 16:04

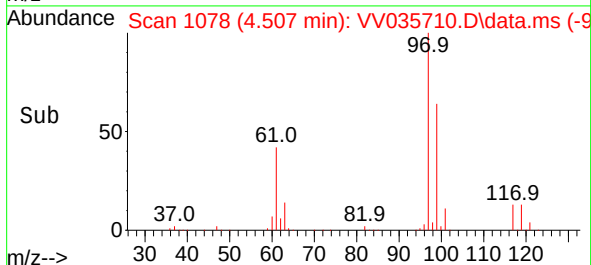
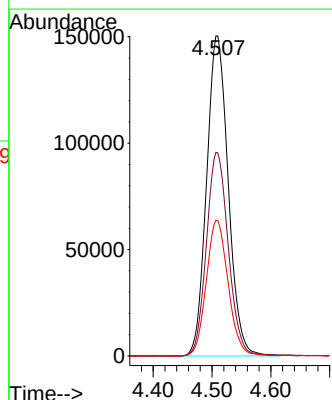
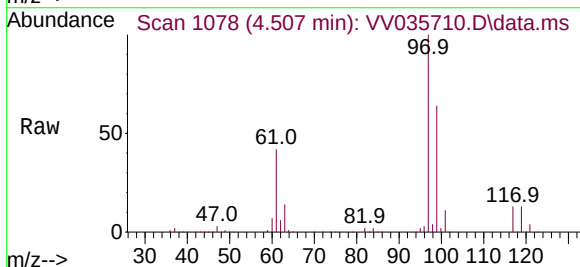
Tgt Ion: 97 Resp: 384771

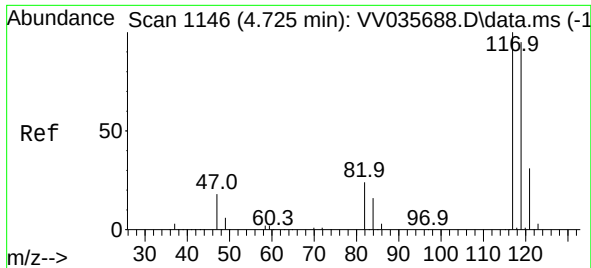
Ion Ratio Lower Upper

97 100

99 64.2 51.7 77.5

61 43.0 33.5 50.3

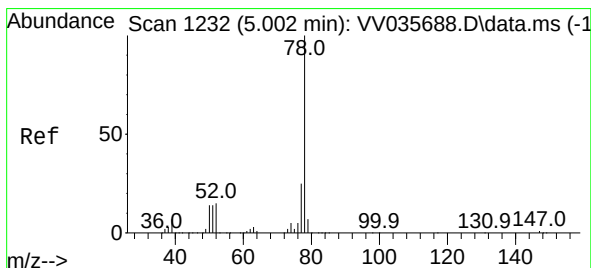
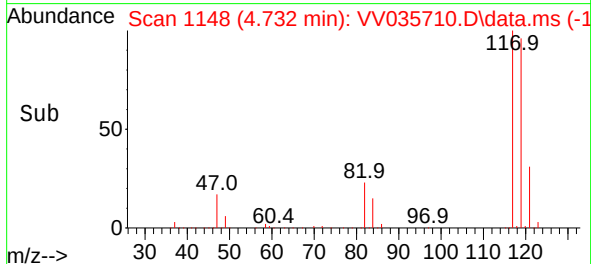
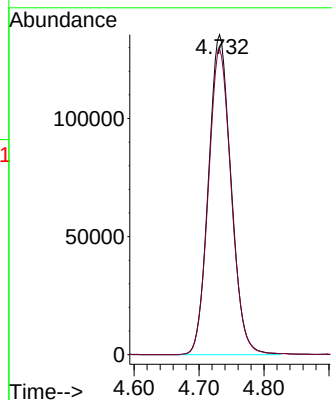
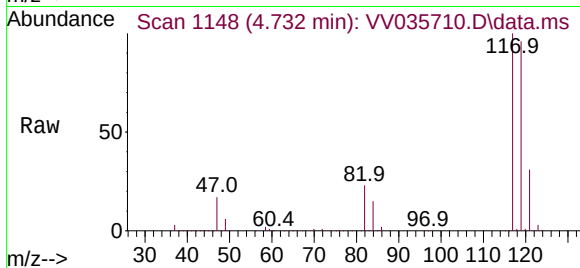




#31
Carbon tetrachloride
Concen: 27.587 ug/L
RT: 4.732 min Scan# 1146
Delta R.T. 0.007 min
Lab File: VV035710.D
Acq: 23 May 2024 16:04

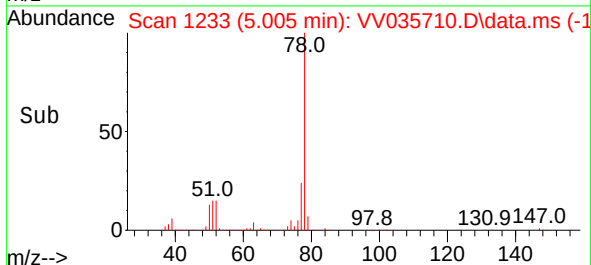
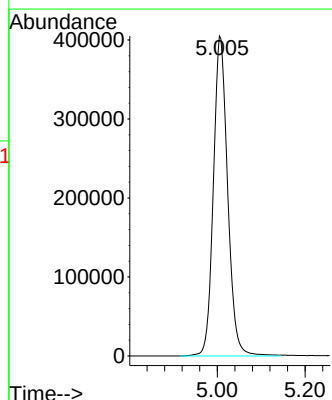
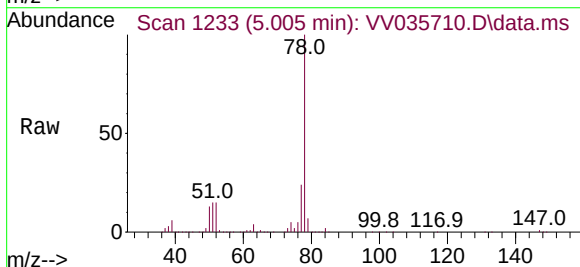
Instrument :
MSVOA_V
ClientSampleId :

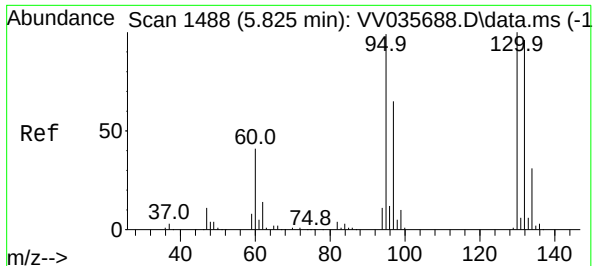
Tgt Ion:117 Resp: 327345
Ion Ratio Lower Upper
117 100
119 96.7 77.3 115.9



#33
Benzene
Concen: 28.266 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. 0.003 min
Lab File: VV035710.D
Acq: 23 May 2024 16:04

Tgt Ion: 78 Resp: 912439





#34

Trichloroethene

Concen: 28.749 ug/L

RT: 5.831 min Scan# 1488

Delta R.T. 0.007 min

Lab File: VV035710.D

Acq: 23 May 2024 16:04

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 262502

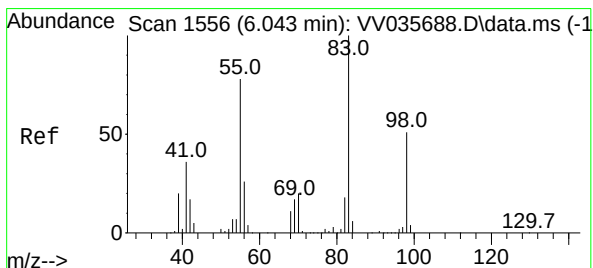
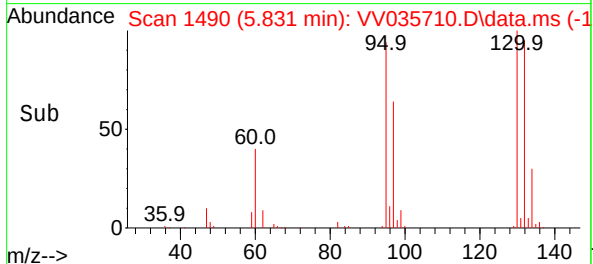
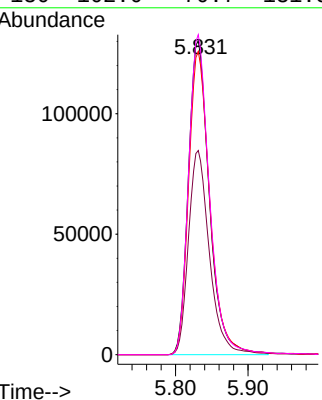
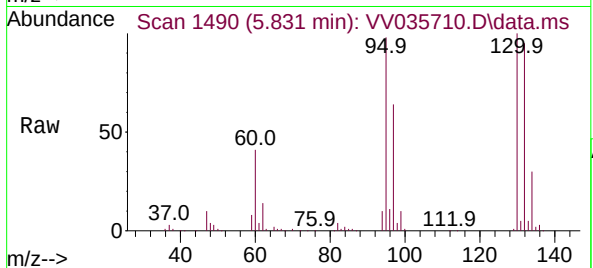
Ion Ratio Lower Upper

95 100

97 65.1 43.8 81.4

132 96.7 67.1 124.7

130 102.0 70.7 131.3



#35

Methylcyclohexane

Concen: 24.778 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.003 min

Lab File: VV035710.D

Acq: 23 May 2024 16:04

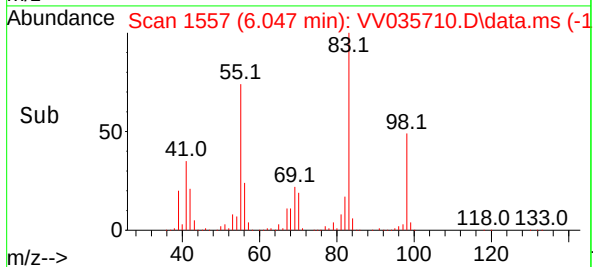
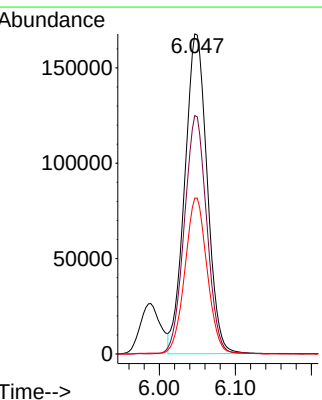
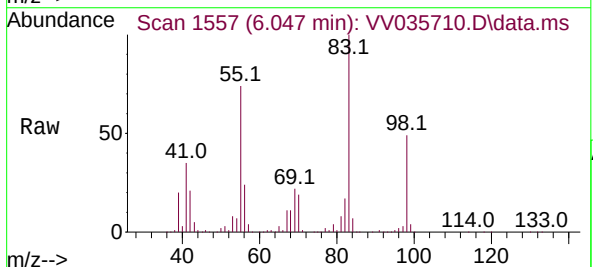
Tgt Ion: 83 Resp: 343489

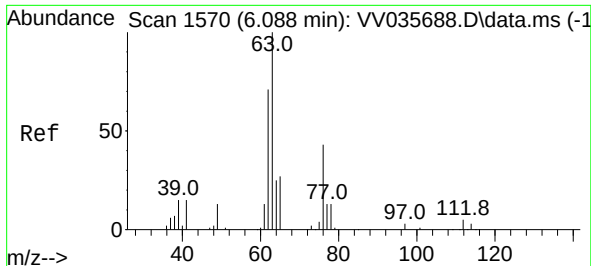
Ion Ratio Lower Upper

83 100

55 74.4 57.5 86.3

98 48.6 38.6 58.0





#37

1,2-Dichloropropane

Concen: 29.186 ug/L

RT: 6.092 min Scan# 1570

Delta R.T. 0.003 min

Lab File: VV035710.D

Acq: 23 May 2024 16:04

Instrument :

MSVOA_V

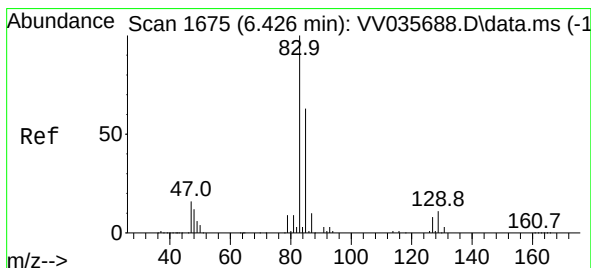
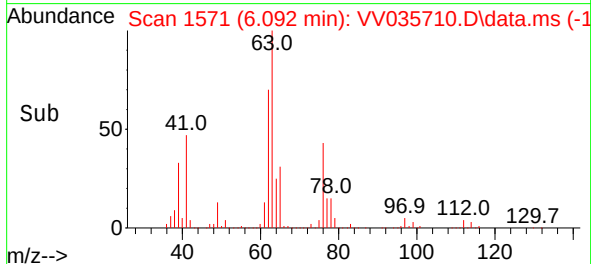
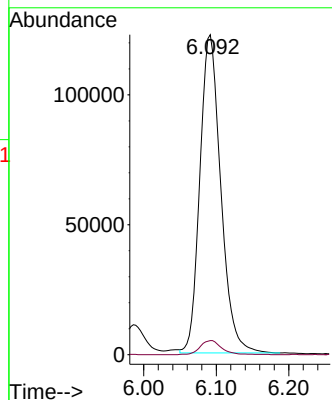
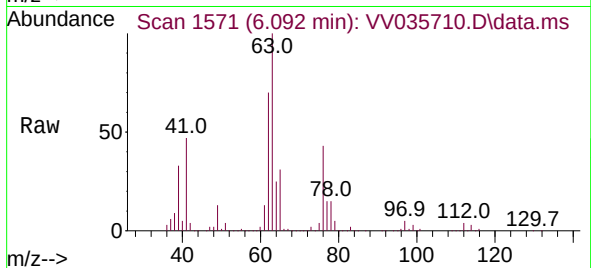
ClientSampleId :

Tgt Ion: 63 Resp: 245801

Ion Ratio Lower Upper

63 100

112 4.2 3.8 5.6



#38

Bromodichloromethane

Concen: 28.577 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. 0.003 min

Lab File: VV035710.D

Acq: 23 May 2024 16:04

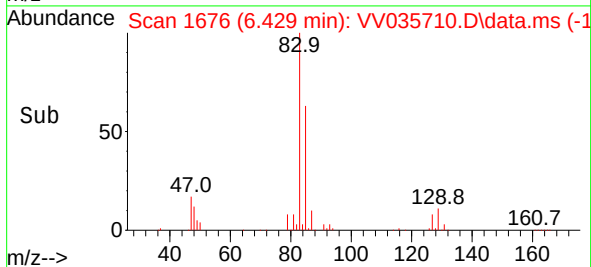
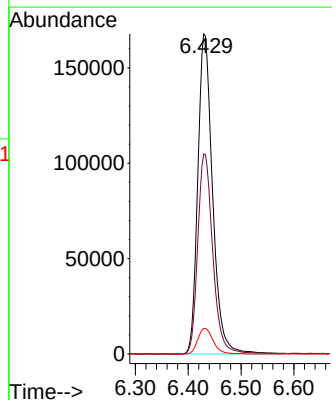
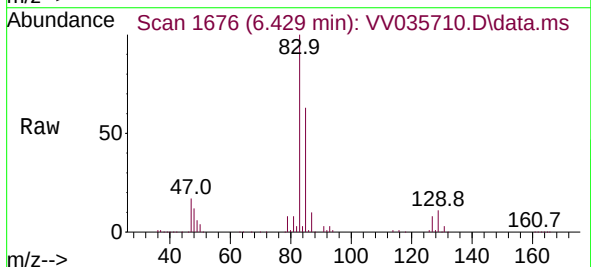
Tgt Ion: 83 Resp: 326035

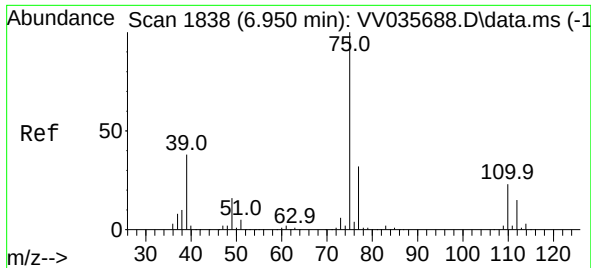
Ion Ratio Lower Upper

83 100

85 62.5 45.1 83.9

127 8.0 7.0 10.6

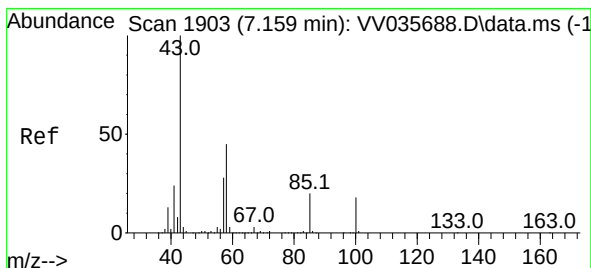
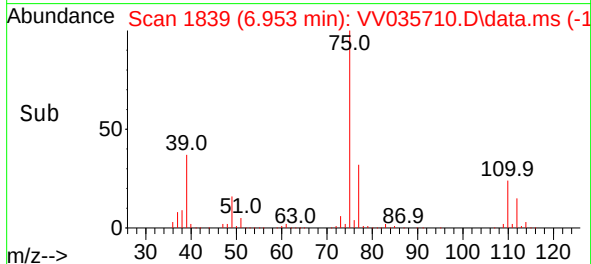
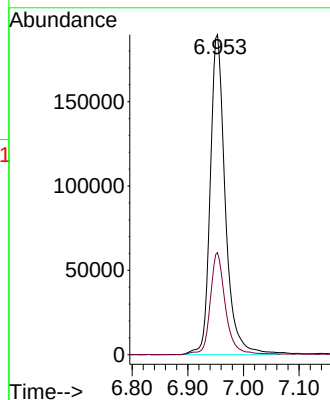
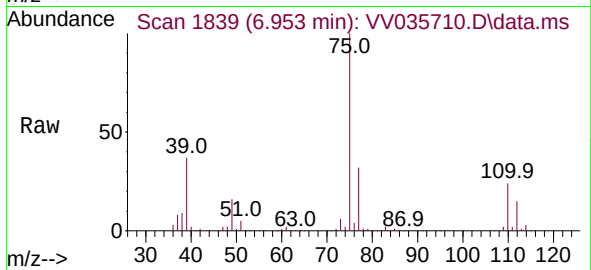




#39
cis-1,3-Dichloropropene
Concen: 27.135 ug/L
RT: 6.953 min Scan# 1839
Delta R.T. 0.003 min
Lab File: VV035710.D
Acq: 23 May 2024 16:04

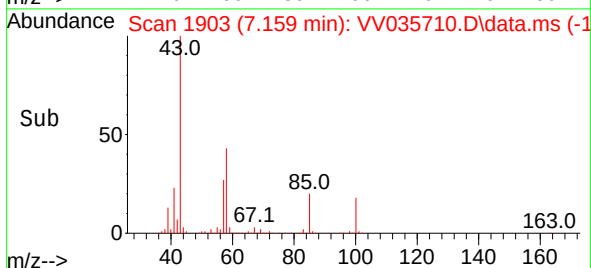
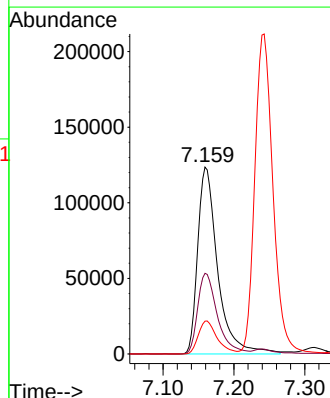
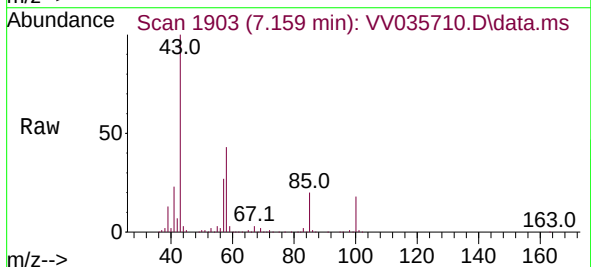
Instrument :
MSVOA_V
ClientSampleId :

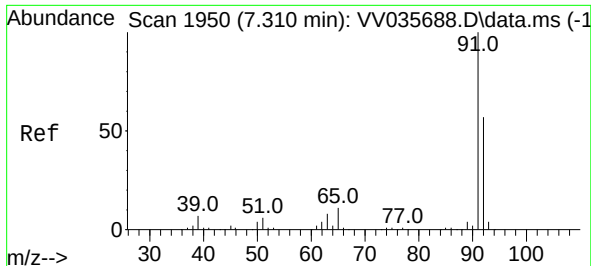
Tgt Ion: 75 Resp: 357440
Ion Ratio Lower Upper
75 100
77 31.9 22.5 41.9



#40
4-Methyl-2-pentanone
Concen: 47.989 ug/L
RT: 7.159 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VV035710.D
Acq: 23 May 2024 16:04

Tgt Ion: 43 Resp: 242049
Ion Ratio Lower Upper
43 100
58 42.7 34.8 52.2
100 16.7 13.9 20.9





#42

Toluene

Concen: 28.900 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV035710.D

Acq: 23 May 2024 16:04

Instrument :

MSVOA_V

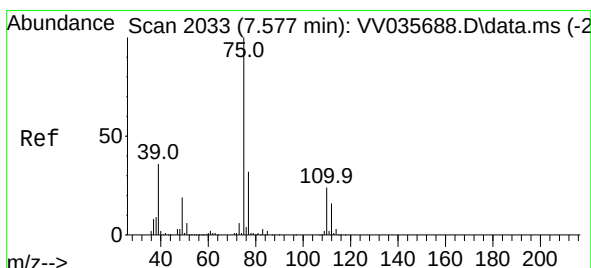
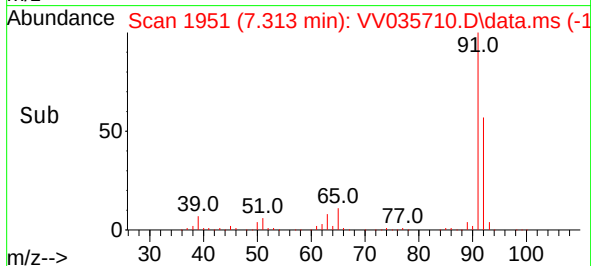
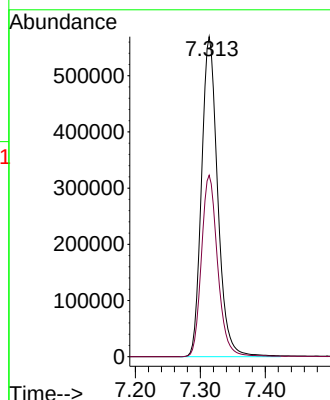
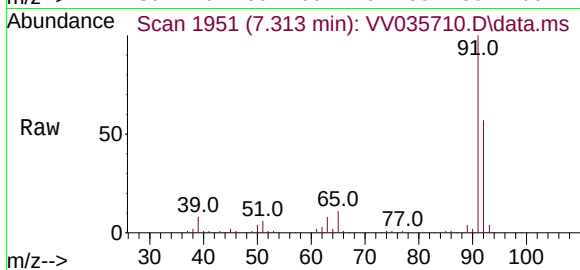
ClientSampleId :

Tgt Ion: 91 Resp: 987270

Ion Ratio Lower Upper

91 100

92 56.7 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 26.868 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV035710.D

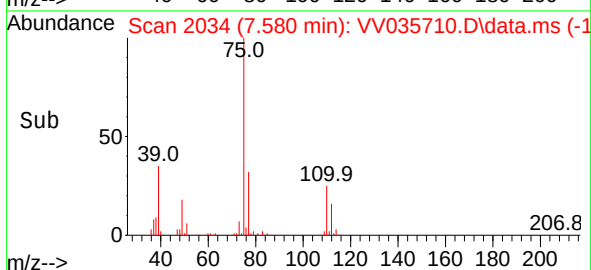
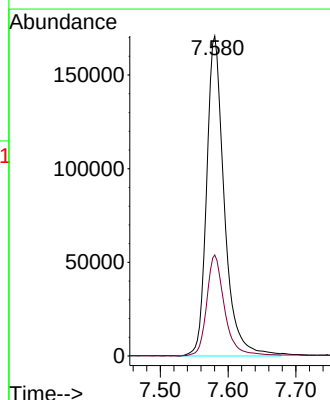
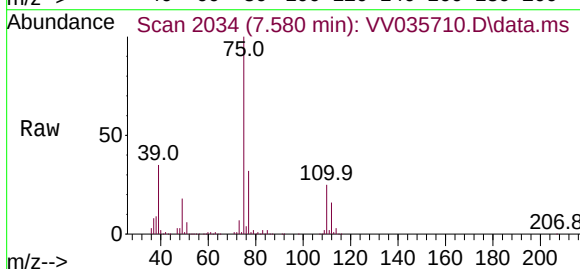
Acq: 23 May 2024 16:04

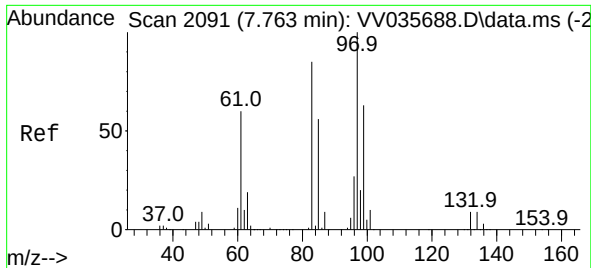
Tgt Ion: 75 Resp: 309603

Ion Ratio Lower Upper

75 100

77 31.6 22.4 41.6



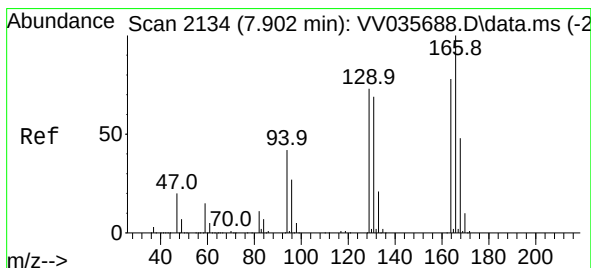
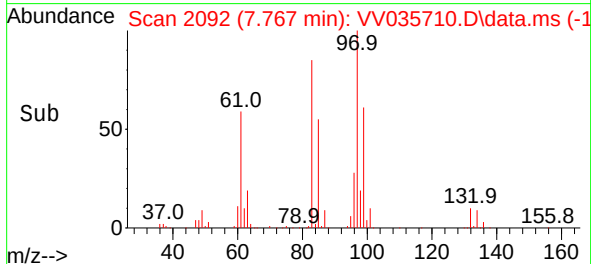
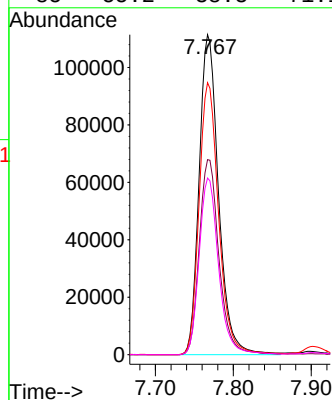
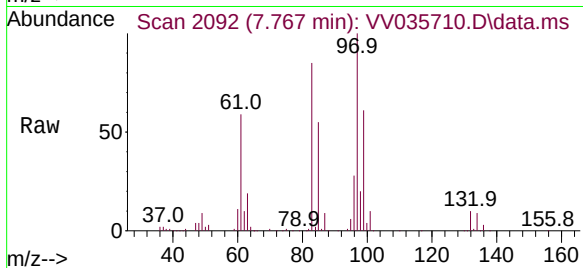


#45
1,1,2-Trichloroethane
Concen: 26.966 ug/L
RT: 7.767 min Scan# 2091
Delta R.T. 0.003 min
Lab File: VV035710.D
Acq: 23 May 2024 16:04

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 192969

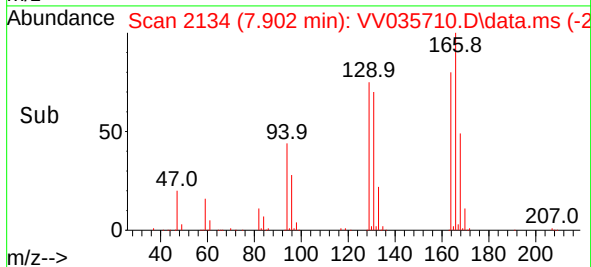
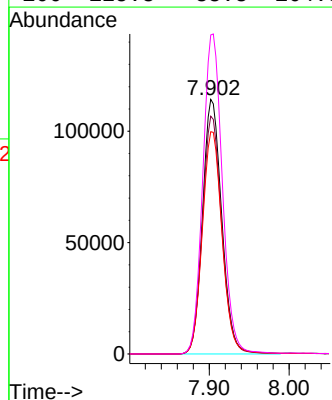
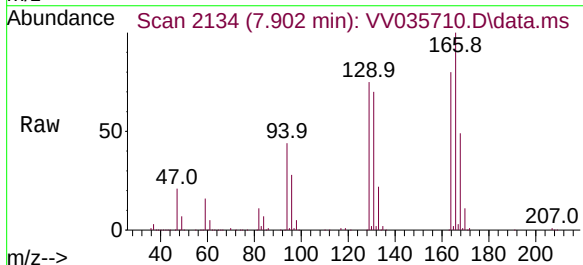
Ion	Ratio	Lower	Upper
97	100		
99	61.0	43.3	80.3
83	85.0	60.3	111.9
85	55.2	38.3	71.1

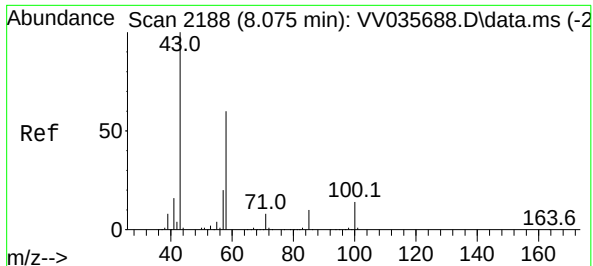


#46
Tetrachloroethene
Concen: 25.902 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.000 min
Lab File: VV035710.D
Acq: 23 May 2024 16:04

Tgt Ion: 164 Resp: 192144

Ion	Ratio	Lower	Upper
164	100		
129	93.4	63.4	117.8
131	87.3	61.0	113.4
166	125.3	88.8	164.8

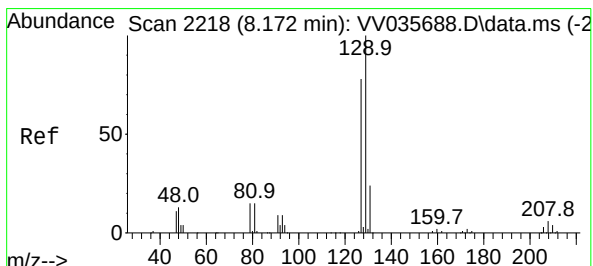
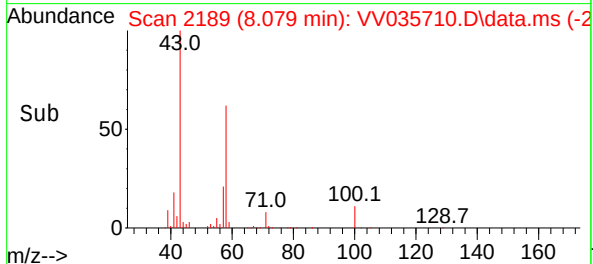
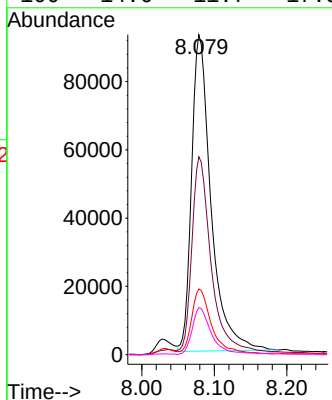
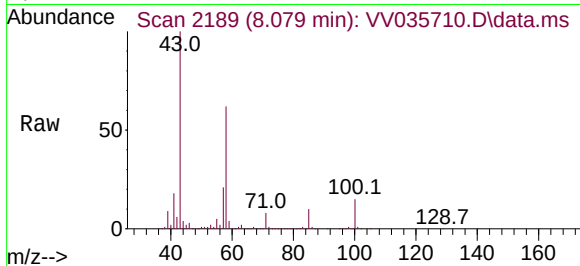




#48
2-Hexanone
Concen: 45.666 ug/L
RT: 8.079 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VV035710.D
Acq: 23 May 2024 16:04

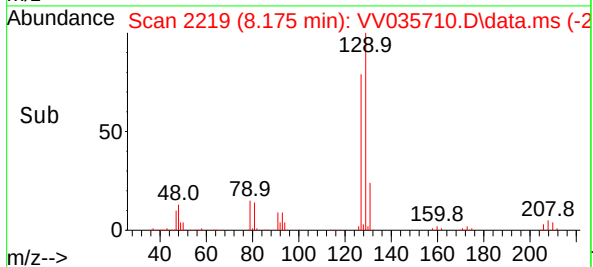
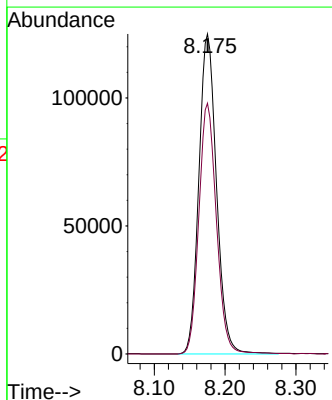
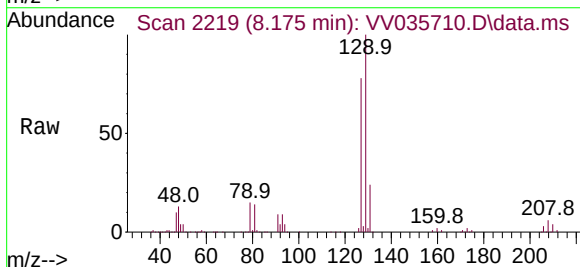
Instrument :
MSVOA_V
ClientSampleId :

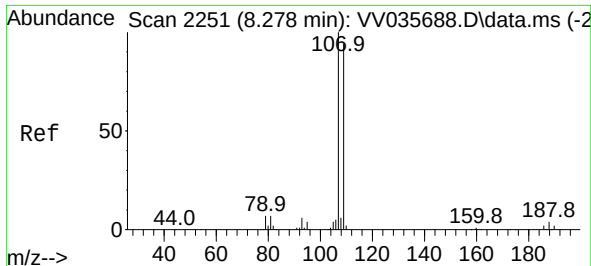
Tgt Ion: 43 Resp: 172701
Ion Ratio Lower Upper
43 100
58 61.1 48.8 73.2
57 20.9 16.9 25.3
100 14.6 11.7 17.5



#49
Dibromochloromethane
Concen: 26.718 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.003 min
Lab File: VV035710.D
Acq: 23 May 2024 16:04

Tgt Ion:129 Resp: 215736
Ion Ratio Lower Upper
129 100
127 78.4 53.8 99.8





#50

1,2-Dibromoethane

Concen: 25.067 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV035710.D

Acq: 23 May 2024 16:04

Instrument :

MSVOA_V

ClientSampleId :

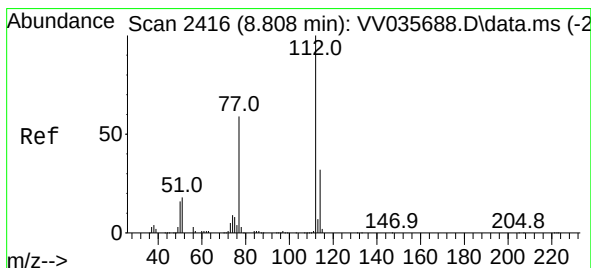
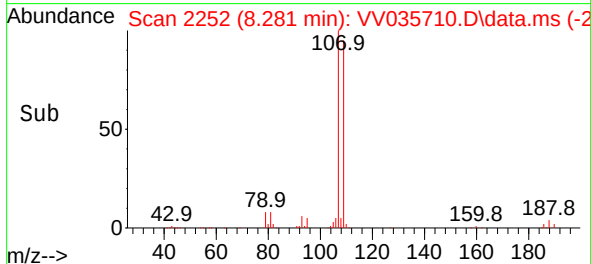
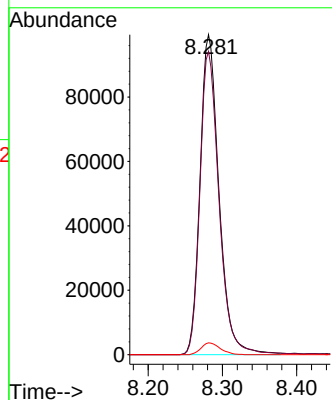
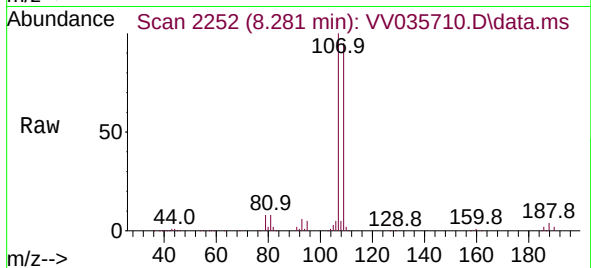
Tgt Ion:107 Resp: 176711

Ion Ratio Lower Upper

107 100

109 94.8 65.4 121.4

188 3.7 2.9 4.3



#51

Chlorobenzene

Concen: 27.382 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.003 min

Lab File: VV035710.D

Acq: 23 May 2024 16:04

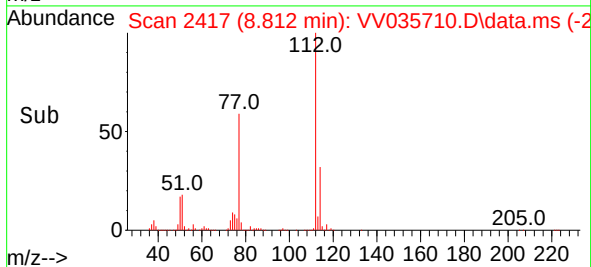
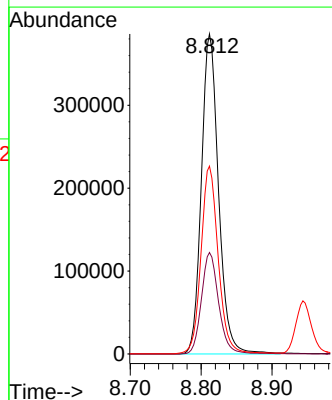
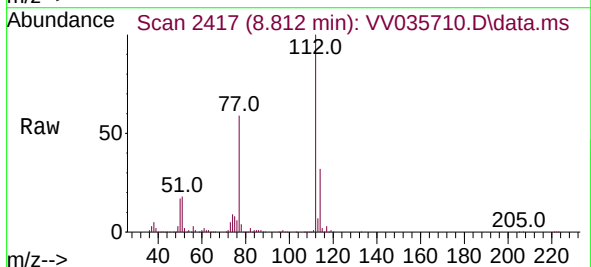
Tgt Ion:112 Resp: 649068

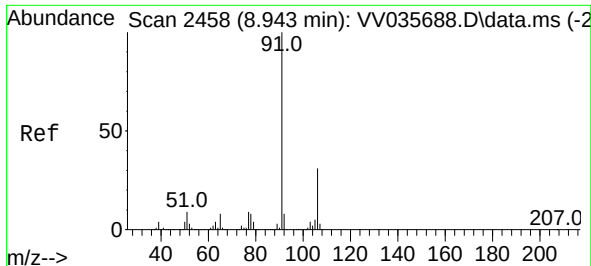
Ion Ratio Lower Upper

112 100

114 31.7 22.5 41.7

77 58.7 46.6 69.8





#52

Ethylbenzene

Concen: 28.769 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. 0.000 min

Lab File: VV035710.D

Acq: 23 May 2024 16:04

Instrument :

MSVOA_V

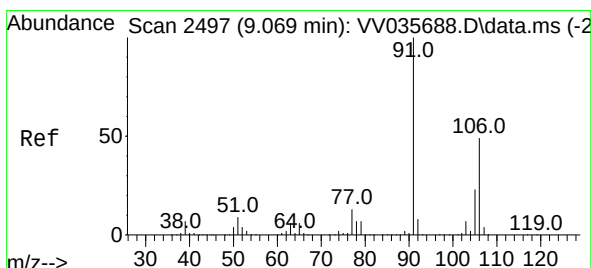
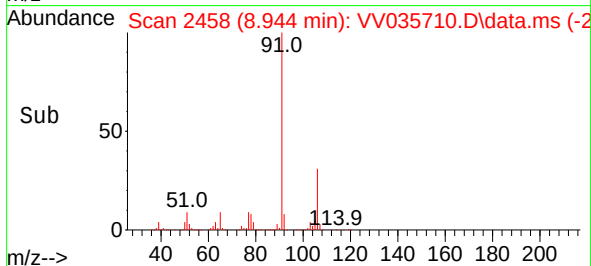
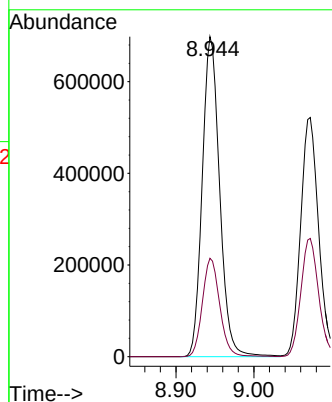
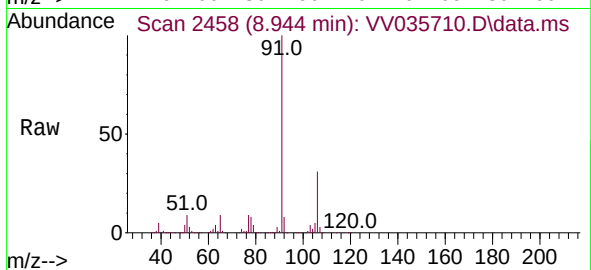
ClientSampleId :

Tgt Ion: 91 Resp: 1085112

Ion Ratio Lower Upper

91 100

106 30.7 21.7 40.3



#53

m,p-Xylene

Concen: 28.625 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.003 min

Lab File: VV035710.D

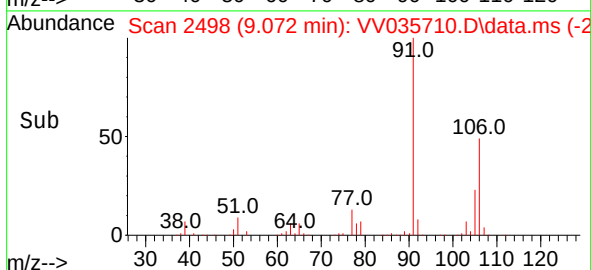
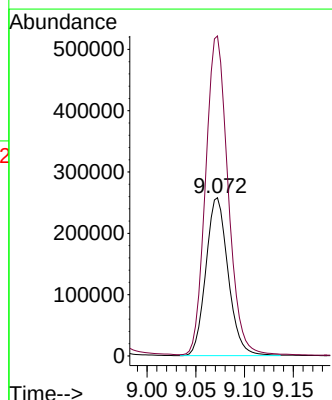
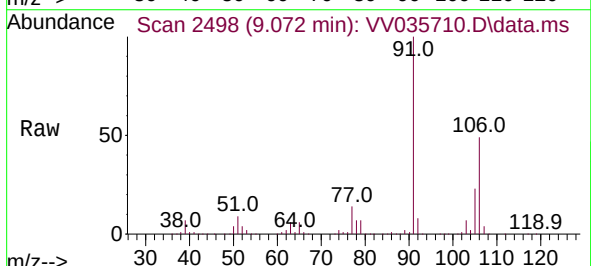
Acq: 23 May 2024 16:04

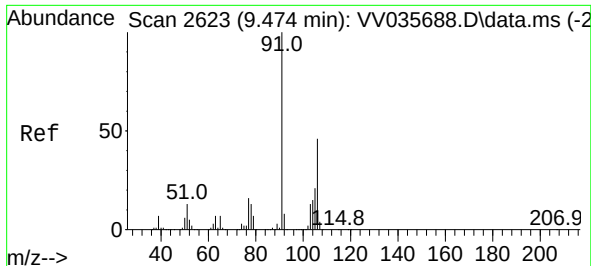
Tgt Ion:106 Resp: 409627

Ion Ratio Lower Upper

106 100

91 202.3 142.7 264.9





#54

o-Xylene

Concen: 28.946 ug/L

RT: 9.477 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV035710.D

Acq: 23 May 2024 16:04

Instrument :

MSVOA_V

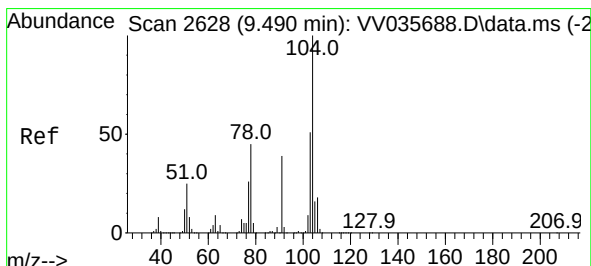
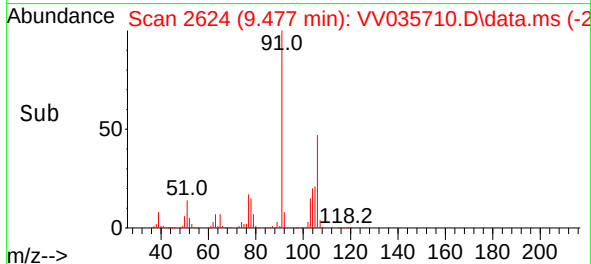
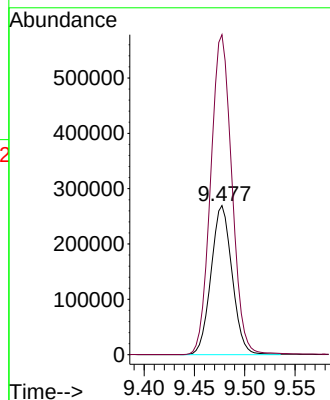
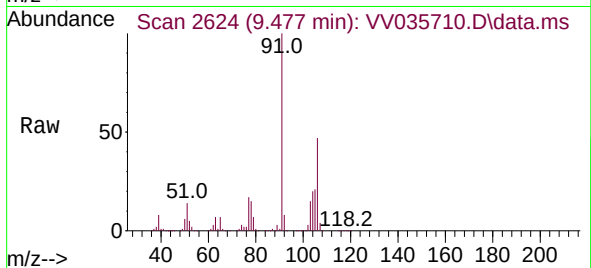
ClientSampleId :

Tgt Ion:106 Resp: 392579

Ion Ratio Lower Upper

106 100

91 214.7 150.9 280.3



#55

Styrene

Concen: 30.346 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. 0.003 min

Lab File: VV035710.D

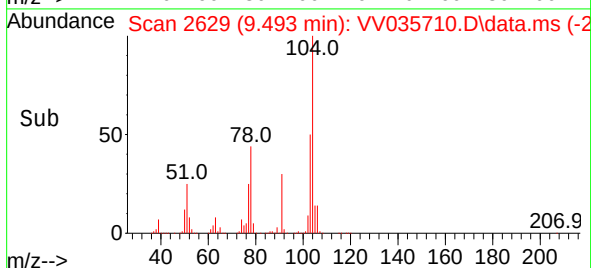
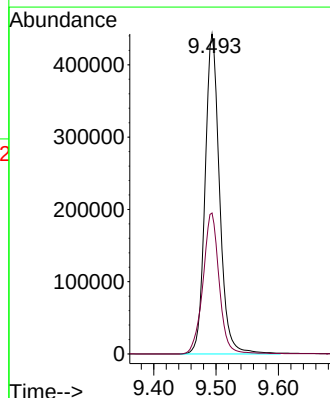
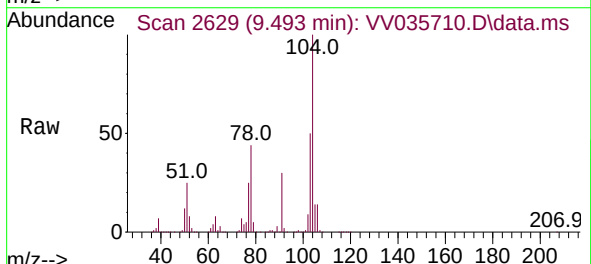
Acq: 23 May 2024 16:04

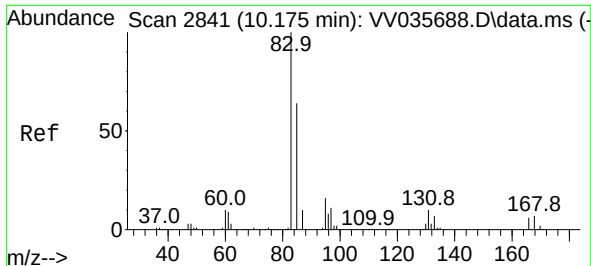
Tgt Ion:104 Resp: 717854

Ion Ratio Lower Upper

104 100

78 44.1 30.0 55.6

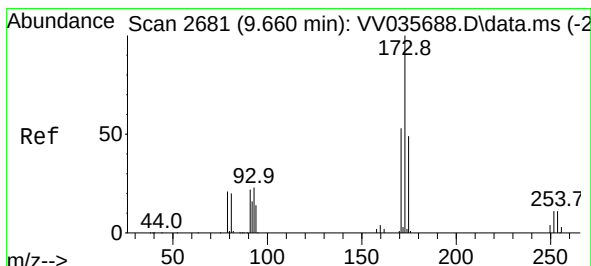
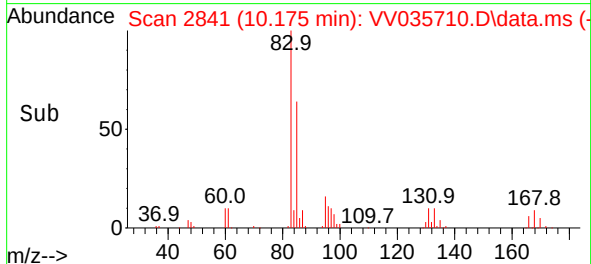
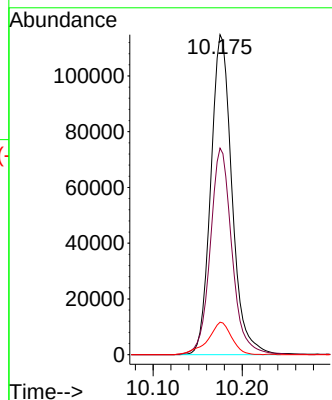
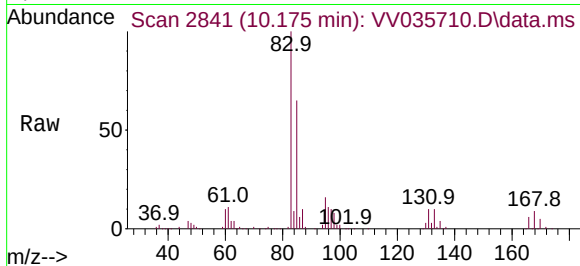




#57
1,1,2,2-Tetrachloroethane
Concen: 21.754 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV035710.D
Acq: 23 May 2024 16:04

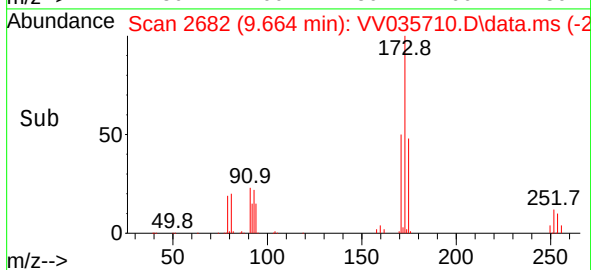
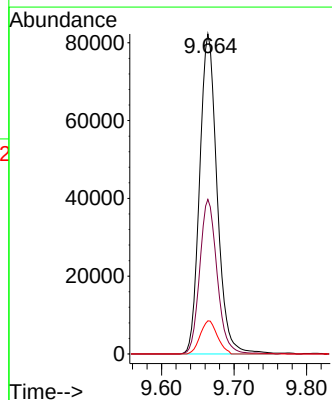
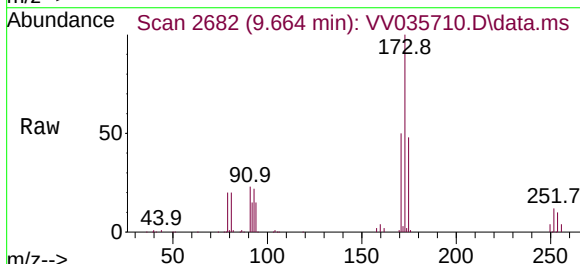
Instrument :
MSVOA_V
ClientSampleId :

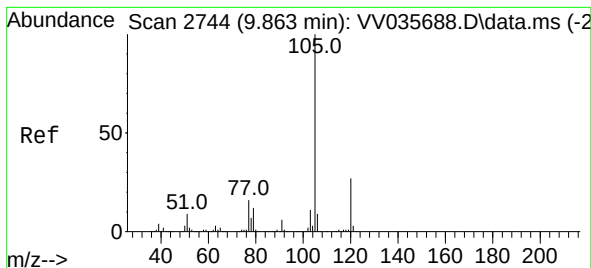
Tgt Ion: 83 Resp: 189624
Ion Ratio Lower Upper
83 100
85 64.6 44.7 83.1
131 10.1 8.0 12.0



#59
Bromoform
Concen: 26.924 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.003 min
Lab File: VV035710.D
Acq: 23 May 2024 16:04

Tgt Ion: 173 Resp: 137466
Ion Ratio Lower Upper
173 100
175 48.0 38.7 58.1
254 10.2 8.3 12.5





#60

Isopropylbenzene

Concen: 32.039 ug/L

RT: 9.866 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV035710.D

Acq: 23 May 2024 16:04

Instrument :

MSVOA_V

ClientSampleId :

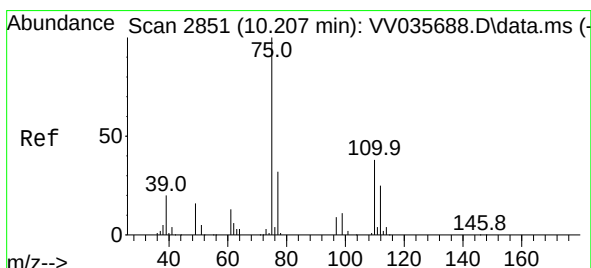
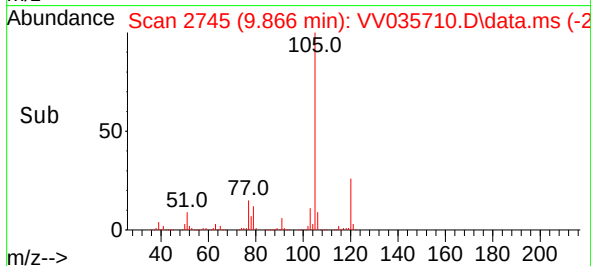
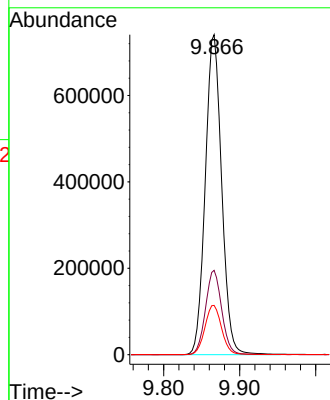
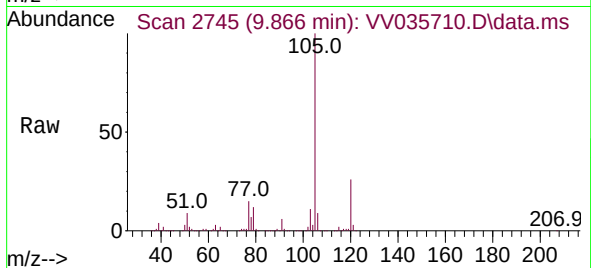
Tgt Ion:105 Resp: 1108778

Ion Ratio Lower Upper

105 100

120 26.2 21.3 31.9

77 15.7 12.2 18.2



#61

1,2,3-Trichloropropane

Concen: 26.531 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. 0.000 min

Lab File: VV035710.D

Acq: 23 May 2024 16:04

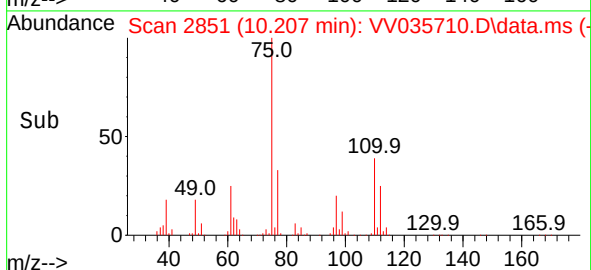
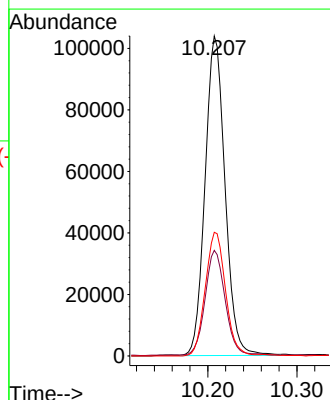
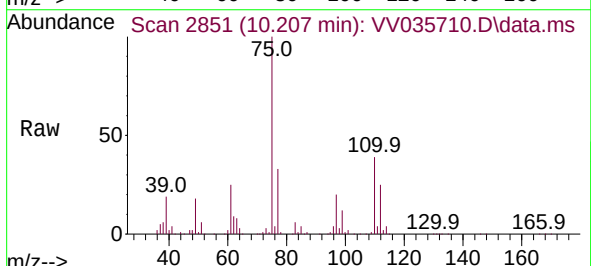
Tgt Ion: 75 Resp: 161519

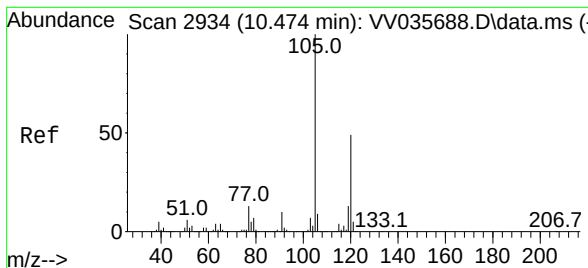
Ion Ratio Lower Upper

75 100

77 32.6 25.7 38.5

110 39.1 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 32.723 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV035710.D

Acq: 23 May 2024 16:04

Instrument :

MSVOA_V

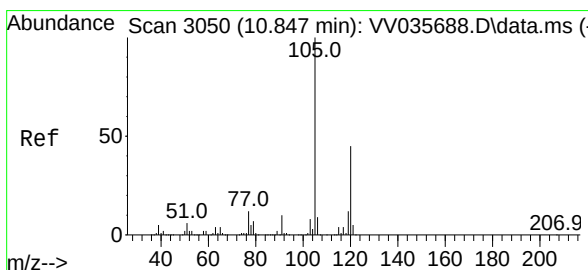
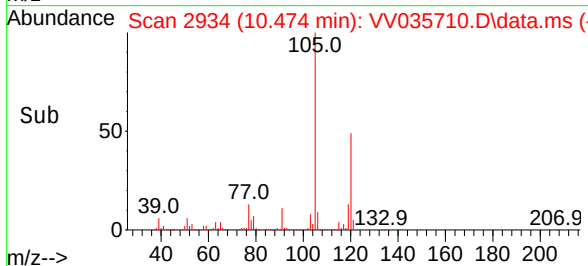
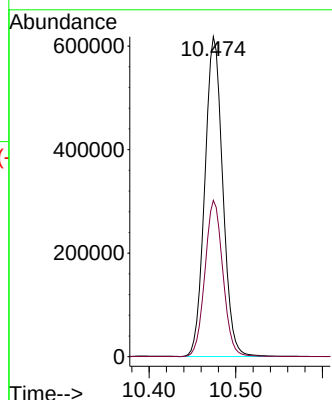
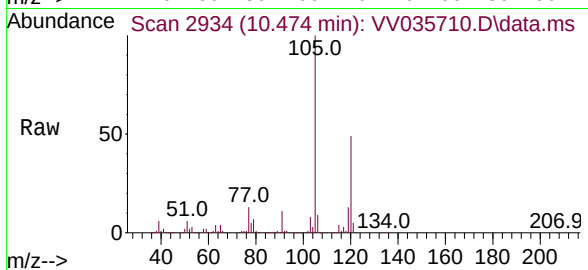
ClientSampleId :

Tgt Ion:105 Resp: 888397

Ion Ratio Lower Upper

105 100

120 49.0 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 31.685 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV035710.D

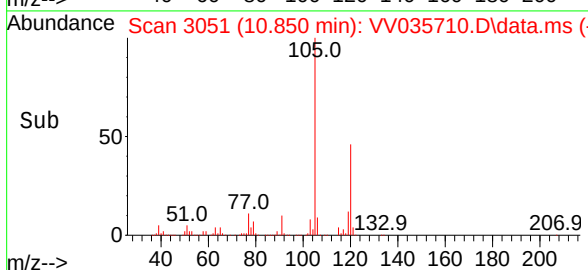
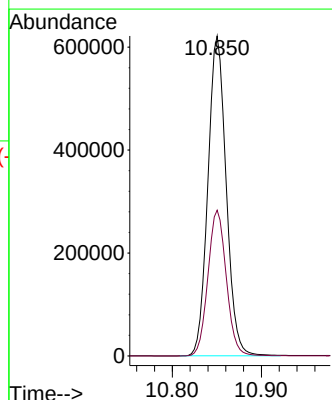
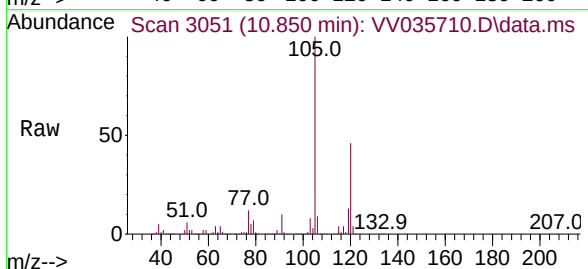
Acq: 23 May 2024 16:04

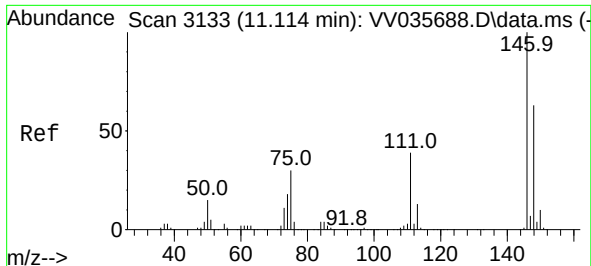
Tgt Ion:105 Resp: 883967

Ion Ratio Lower Upper

105 100

120 45.9 36.6 55.0





#64

1,3-Dichlorobenzene

Concen: 29.426 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV035710.D

Acq: 23 May 2024 16:04

Instrument :

MSVOA_V

ClientSampleId :

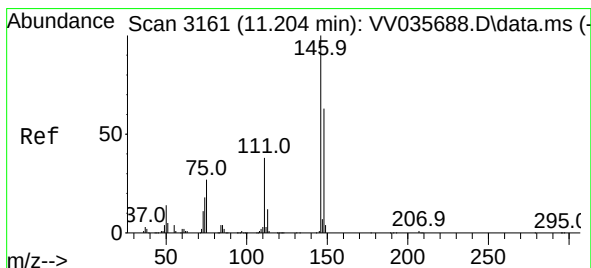
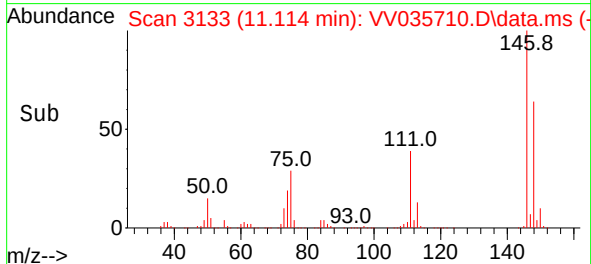
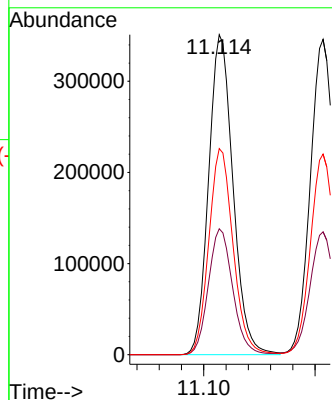
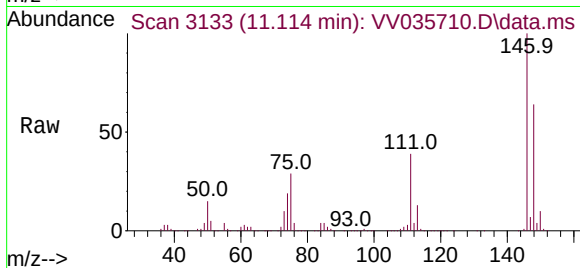
Tgt Ion:146 Resp: 534430

Ion Ratio Lower Upper

146 100

111 39.4 27.0 50.2

148 64.4 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 29.061 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV035710.D

Acq: 23 May 2024 16:04

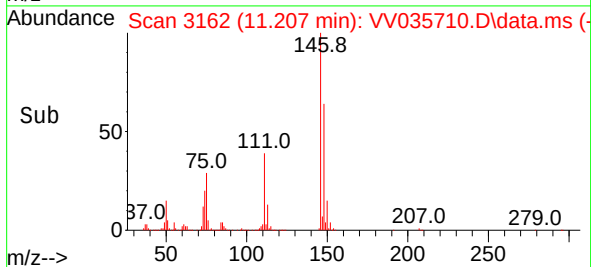
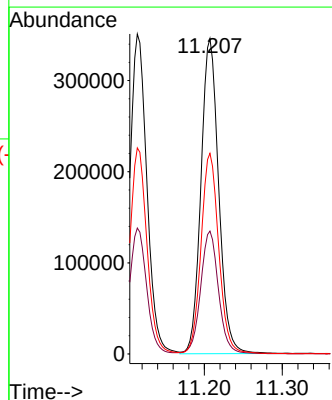
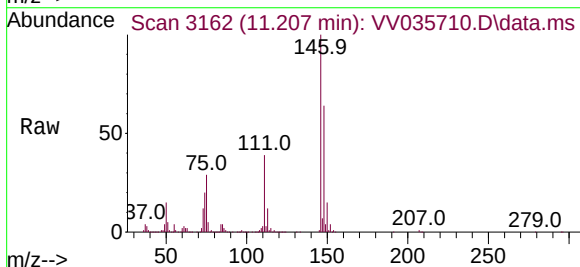
Tgt Ion:146 Resp: 546412

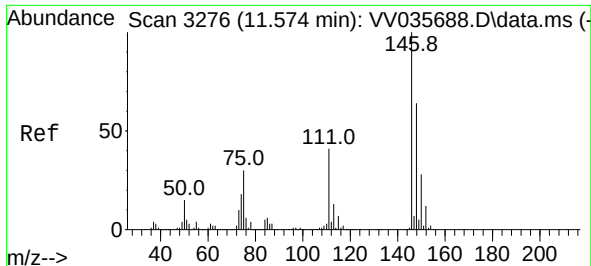
Ion Ratio Lower Upper

146 100

111 38.9 26.2 48.6

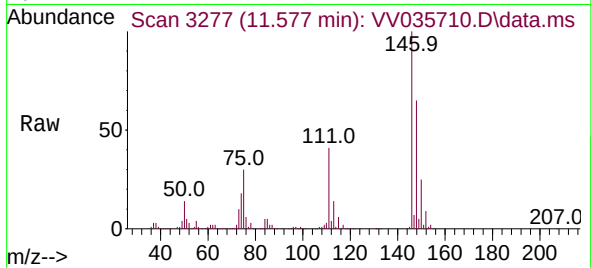
148 63.6 44.9 83.3



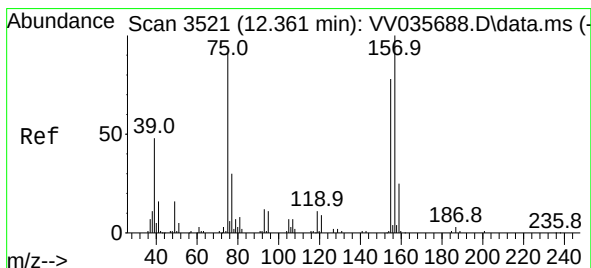
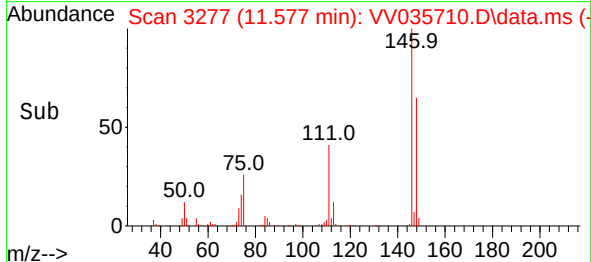
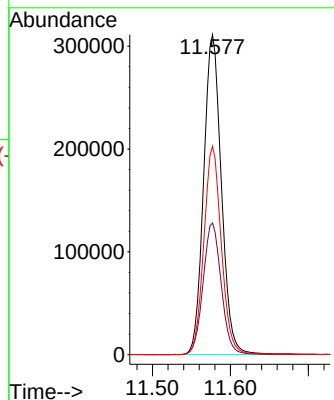


#67
1,2-Dichlorobenzene
Concen: 28.760 ug/L
RT: 11.577 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV035710.D
Acq: 23 May 2024 16:04

Instrument :
MSVOA_V
ClientSampleId :

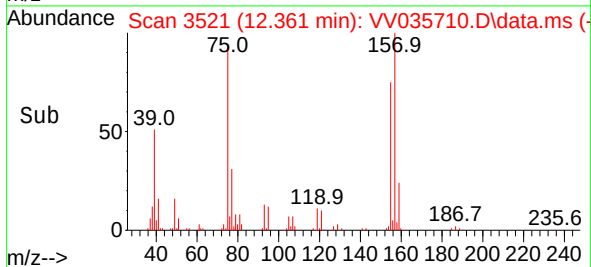
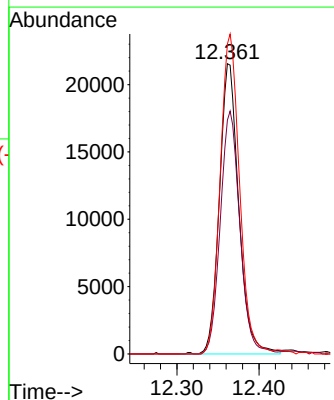
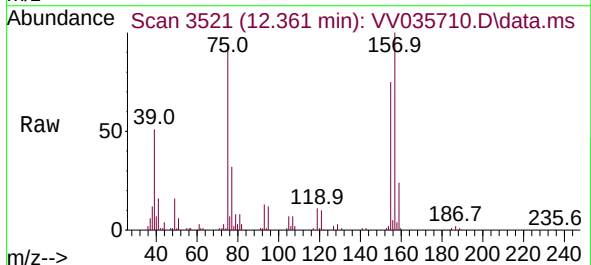


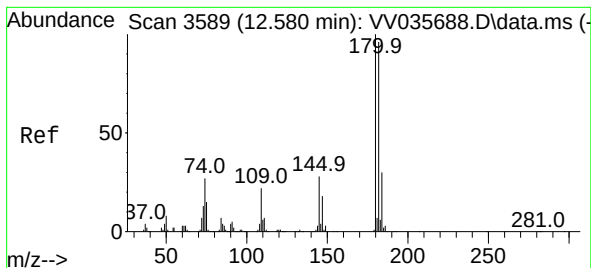
Tgt Ion:146 Resp: 491691
Ion Ratio Lower Upper
146 100
111 41.1 32.6 48.8
148 65.2 51.1 76.7



#68
1,2-Dibromo-3-chloropropane
Concen: 25.069 ug/L
RT: 12.361 min Scan# 3521
Delta R.T. 0.000 min
Lab File: VV035710.D
Acq: 23 May 2024 16:04

Tgt Ion: 75 Resp: 35396
Ion Ratio Lower Upper
75 100
155 80.5 69.8 104.6
157 106.8 95.0 142.6





#69

1,3,5-Trichlorobenzene

Concen: 27.832 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

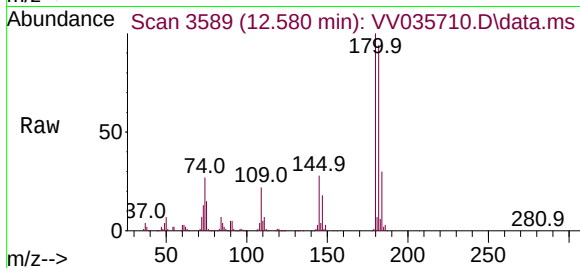
Lab File: VV035710.D

Acq: 23 May 2024 16:04

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 395003

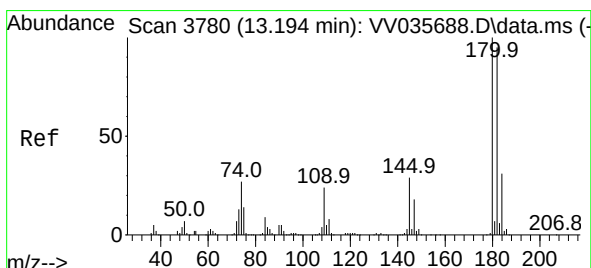
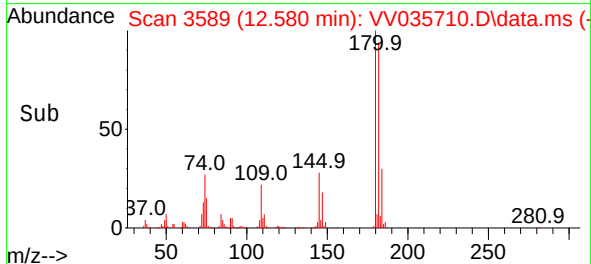
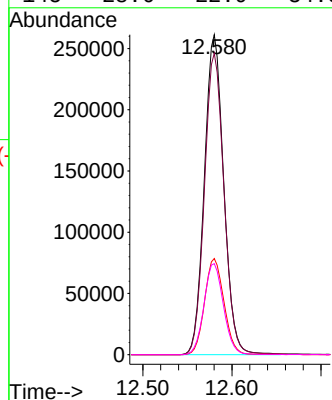
Ion Ratio Lower Upper

180 100

182 95.0 76.2 114.2

184 30.1 24.1 36.1

145 28.6 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 26.948 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.000 min

Lab File: VV035710.D

Acq: 23 May 2024 16:04

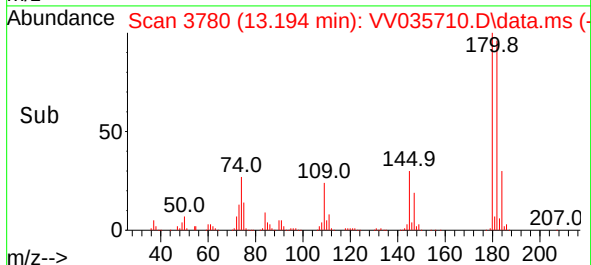
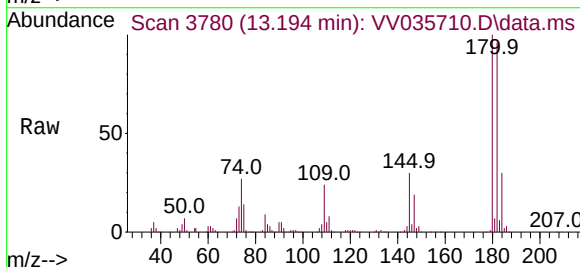
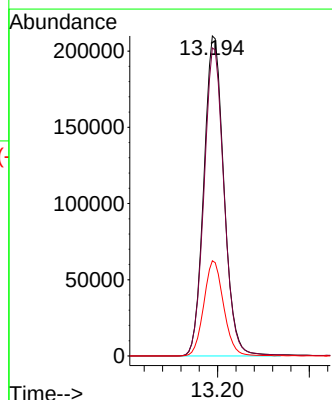
Tgt Ion:180 Resp: 319358

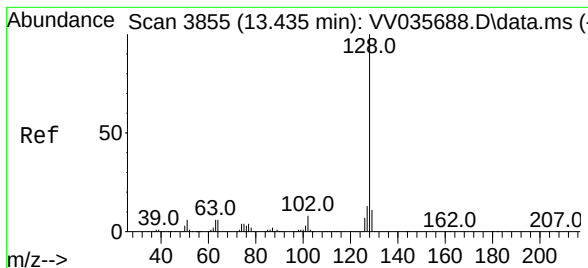
Ion Ratio Lower Upper

180 100

182 96.4 76.6 114.8

145 29.3 23.2 34.8





#71

Naphthalene

Concen: 25.504 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV035710.D

Acq: 23 May 2024 16:04

Instrument :

MSVOA_V

ClientSampleId :

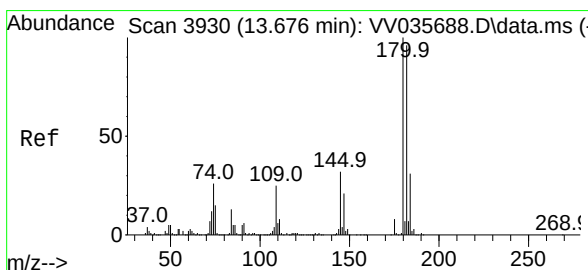
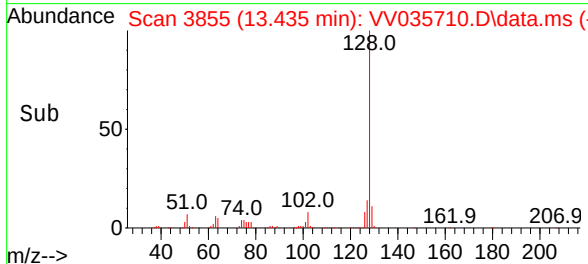
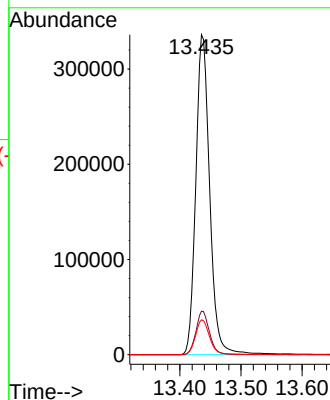
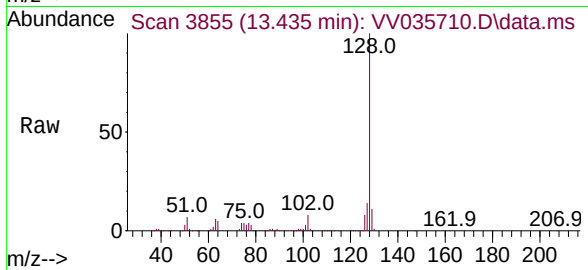
Tgt Ion:128 Resp: 530622

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 28.416 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV035710.D

Acq: 23 May 2024 16:04

Tgt Ion:180 Resp: 302950

Ion Ratio Lower Upper

180 100

182 95.4 75.8 113.6

145 31.5 25.2 37.8

