

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052224\
 Data File : VV035686.D
 Acq On : 22 May 2024 19:18
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 23 02:27:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 23 02:17:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	483750	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	500788	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	271162	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	110747	14.812	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	59.240%
7) Chloroethane-d5	1.526	69	104626	17.345	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.400%
11) 1,1-Dichloroethene-d2	2.050	65	54055	16.330	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.320%
21) 2-Butanone-d5	4.072	46	268	0.126	ug/L	0.23
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.260%#
24) Chloroform-d	4.246	84	303310	21.090	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.360%
26) 1,2-Dichloroethane-d4	4.940	65	155321	21.846	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.400%
32) Benzene-d6	4.957	84	515452	18.803	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	75.200%
36) 1,2-Dichloropropane-d6	5.989	67	175875	20.789	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.160%
41) Toluene-d8	7.243	98	463373	18.993	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.960%
43) trans-1,3-Dichloroprop...	7.554	79	69050	19.085	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.320%
47) 2-Hexanone-d5	8.030	63	71195	46.801	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.600%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	183405	22.498	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.000%
66) 1,2-Dichlorobenzene-d4	11.558	152	194721	20.692	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	165229	16.800	ug/L	100
3) Chloromethane	1.211	50	166140	16.825	ug/L	99
5) Vinyl chloride	1.278	62	180621	17.705	ug/L	99
6) Bromomethane	1.484	94	116236	17.995	ug/L	98
8) Chloroethane	1.545	64	119608	19.020	ug/L	97
9) Trichlorofluoromethane	1.706	101	255570	19.193	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	166957	19.873	ug/L	99
12) 1,1-Dichloroethene	2.063	96	145191	19.133	ug/L	98
13) Acetone	2.150	43	85547	27.541	ug/L	96
14) Carbon disulfide	2.233	76	372908	15.515	ug/L	99
15) Methyl Acetate	2.384	43	89230	18.961	ug/L	93
16) Methylene chloride	2.442	84	216836	19.438	ug/L	97
17) trans-1,2-Dichloroethene	2.690	96	162368	19.274	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	451758	22.231	ug/L	98
19) 1,1-Dichloroethane	3.108	63	340174	21.539	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	179337	19.637	ug/L	97
22) 2-Butanone	3.905	43	85513	29.645	ug/L #	69
23) Bromochloromethane	4.143	128	96263	21.793	ug/L	97
25) Chloroform	4.272	83	366360	22.464	ug/L	98

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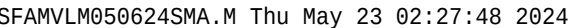
Instrument :
 MSVOA_V
 ClientSampleId :

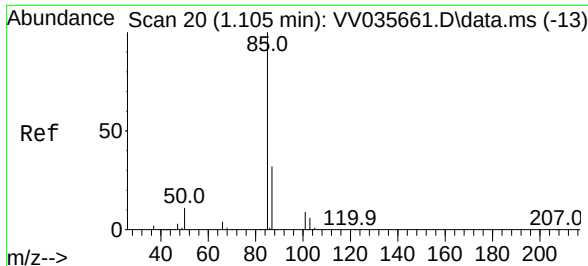
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 Quant Title : VOC Analysis
 QLast Update : Thu May 23 02:17:29 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	231067	22.753	ug/L	99
29) Cyclohexane	4.577	56	201364	16.815	ug/L	98
30) 1,1,1-Trichloroethane	4.506	97	291829	21.017	ug/L	100
31) Carbon tetrachloride	4.731	117	250381	20.551	ug/L	99
33) Benzene	5.005	78	703179	21.216	ug/L	100
34) Trichloroethene	5.831	95	205653	21.936	ug/L	99
35) Methylcyclohexane	6.047	83	245527	17.250	ug/L	97
37) 1,2-Dichloropropane	6.092	63	204254	23.621	ug/L	100
38) Bromodichloromethane	6.432	83	266266	22.730	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	279198	20.643	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	242386	46.803	ug/L	98
42) Toluene	7.313	91	758278	21.618	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	256202	21.654	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	172337	23.456	ug/L	99
46) Tetrachloroethene	7.905	164	147344	19.345	ug/L	99
48) 2-Hexanone	8.079	43	169169	43.567	ug/L	98
49) Dibromochloromethane	8.175	129	190118	22.932	ug/L	99
50) 1,2-Dibromoethane	8.281	107	161932	22.372	ug/L	100
51) Chlorobenzene	8.812	112	517391	21.259	ug/L	99
52) Ethylbenzene	8.944	91	812139	20.971	ug/L	99
53) m,p-Xylene	9.072	106	311246	21.184	ug/L	100
54) o-Xylene	9.477	106	299043	21.475	ug/L	99
55) Styrene	9.493	104	568063	23.388	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.178	83	178427	19.936	ug/L	98
59) Bromoform	9.664	173	127697	23.963	ug/L	99
60) Isopropylbenzene	9.866	105	806963	22.341	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	157354	24.764	ug/L	100
62) 1,3,5-Trimethylbenzene	10.477	105	645561	22.783	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	657106	22.567	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	422388	22.282	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	439029	22.372	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	403066	22.589	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	35473	24.071	ug/L	92
69) 1,3,5-Trichlorobenzene	12.580	180	302541	20.424	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	245234	19.826	ug/L	100
71) Naphthalene	13.438	128	429025	19.757	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	244443	21.968	ug/L	99

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

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Response via : Initial Calibration

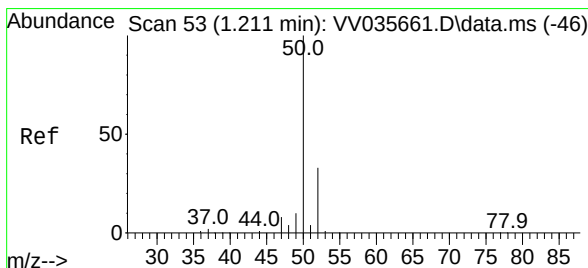
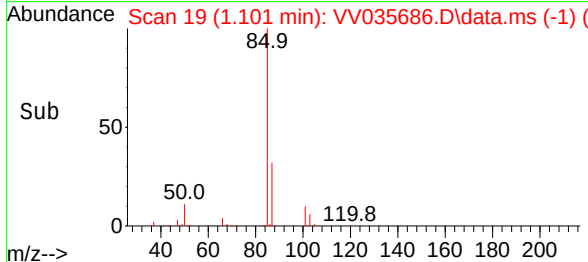
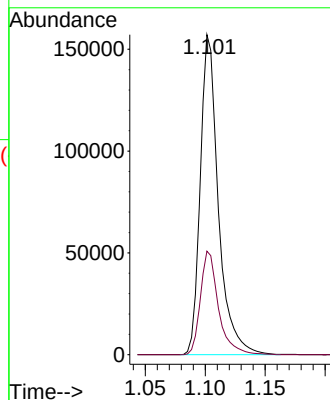
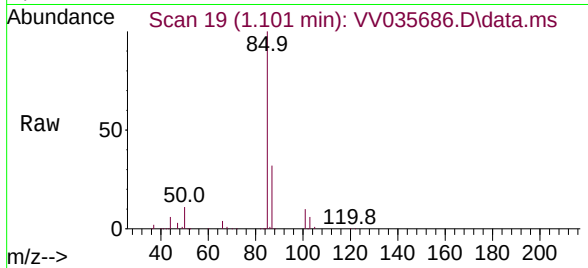




#2
 Dichlorodifluoromethane
 Concen: 16.800 ug/L
 RT: 1.101 min Scan# 19
 Delta R.T. -0.003 min
 Lab File: VV035686.D
 Acq: 22 May 2024 19:18

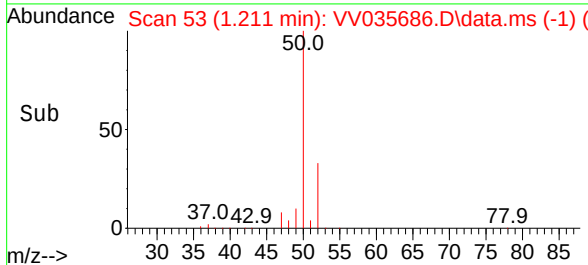
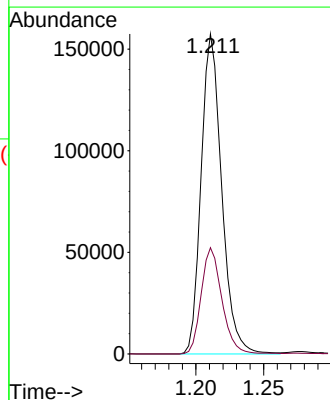
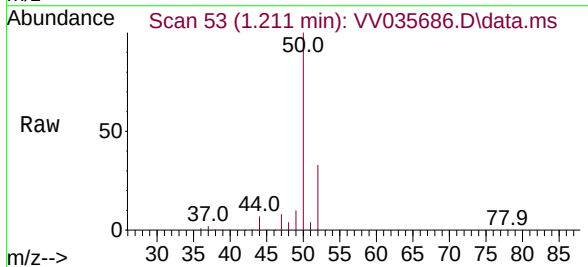
Instrument :
 MSVOA_V
 ClientSampleId :

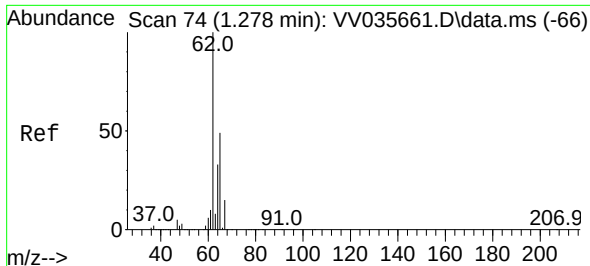
Tgt Ion: 85 Resp: 165229
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.8 38.6



#3
 Chloromethane
 Concen: 16.825 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. -0.000 min
 Lab File: VV035686.D
 Acq: 22 May 2024 19:18

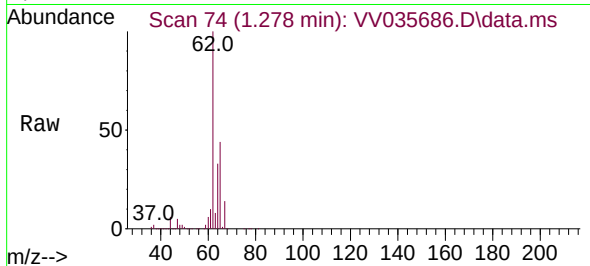
Tgt Ion: 50 Resp: 166140
 Ion Ratio Lower Upper
 50 100
 52 33.2 22.7 42.1



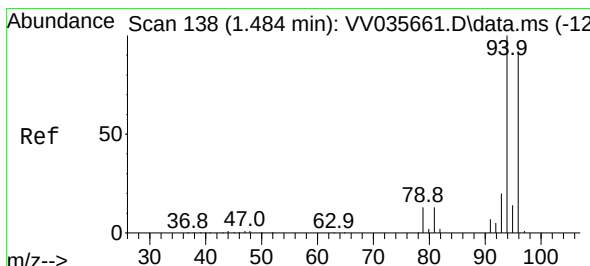
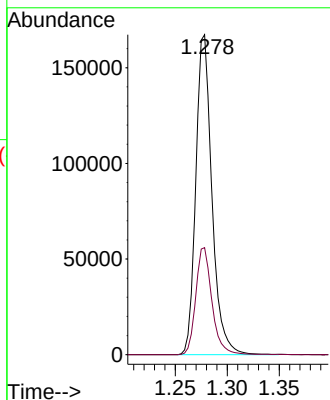
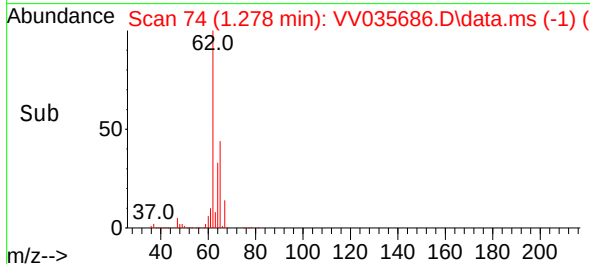


#5
 Vinyl chloride
 Concen: 17.705 ug/L
 RT: 1.278 min Scan# 74
 Delta R.T. -0.000 min
 Lab File: VV035686.D
 Acq: 22 May 2024 19:18

Instrument :
 MSVOA_V
 ClientSampleId :

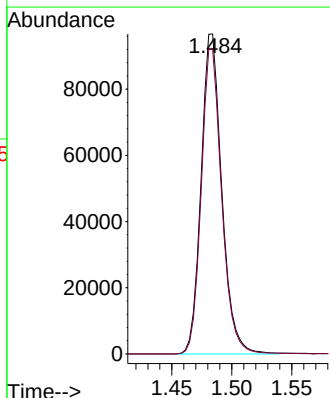
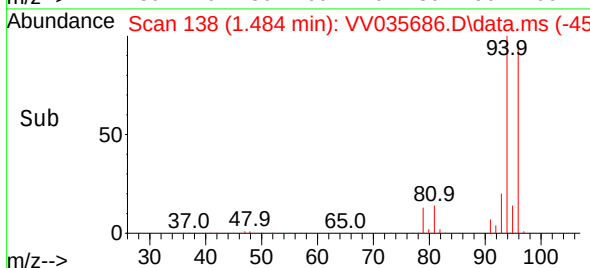
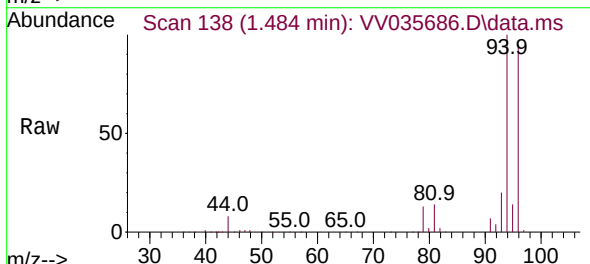


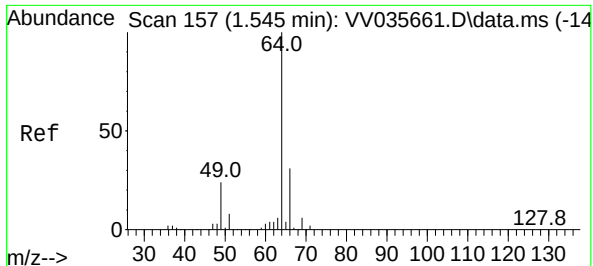
Tgt Ion: 62 Resp: 180621
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.0 42.6



#6
 Bromomethane
 Concen: 17.995 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VV035686.D
 Acq: 22 May 2024 19:18

Tgt Ion: 94 Resp: 116236
 Ion Ratio Lower Upper
 94 100
 96 95.3 65.2 121.0

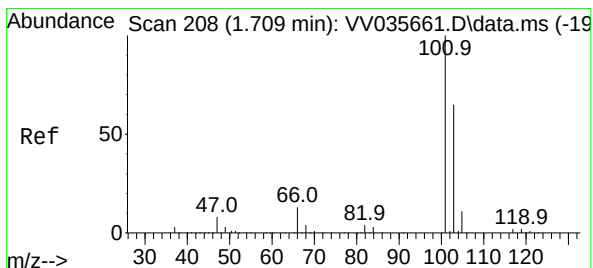
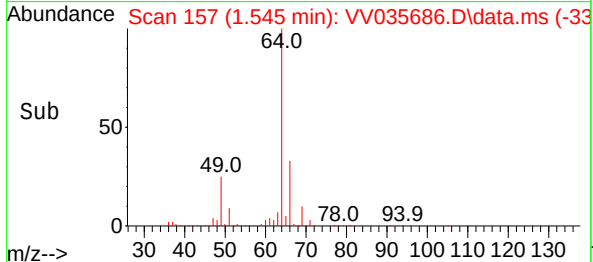
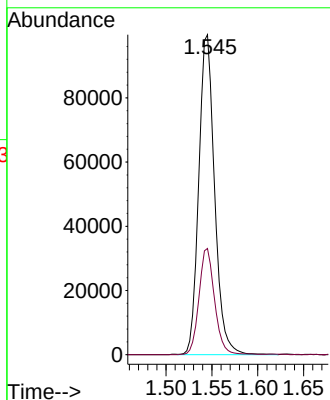
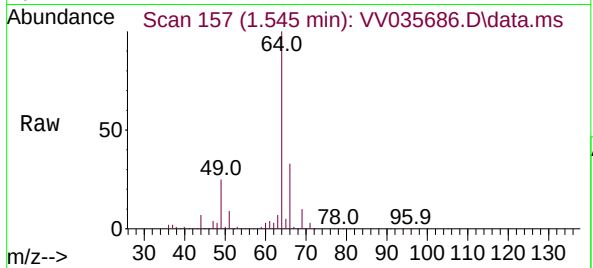




#8
Chloroethane
Concen: 19.020 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV035686.D
Acq: 22 May 2024 19:18

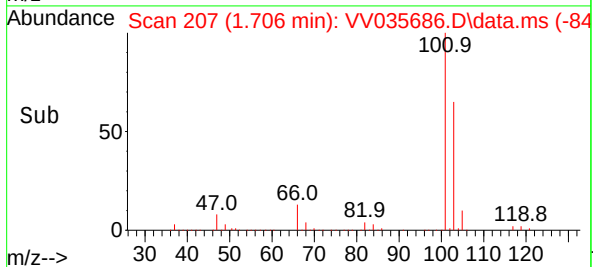
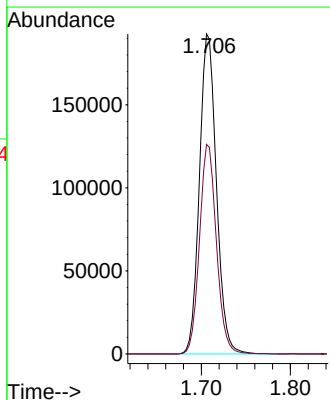
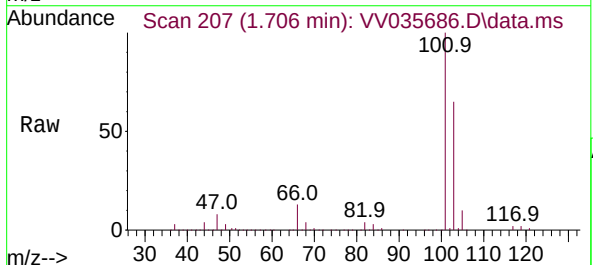
Instrument :
MSVOA_V
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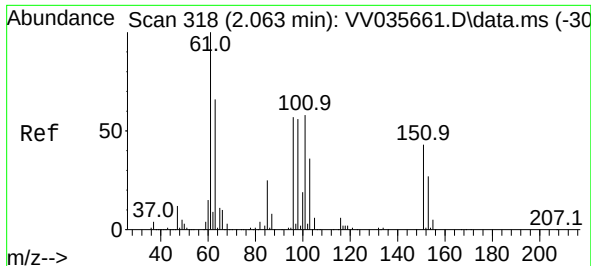
Tgt Ion: 64 Resp: 119608
Ion Ratio Lower Upper
64 100
66 33.2 22.0 40.8



#9
Trichlorofluoromethane
Concen: 19.193 ug/L
RT: 1.706 min Scan# 207
Delta R.T. -0.003 min
Lab File: VV035686.D
Acq: 22 May 2024 19:18

Tgt Ion:101 Resp: 255570
Ion Ratio Lower Upper
101 100
103 65.1 51.5 77.3

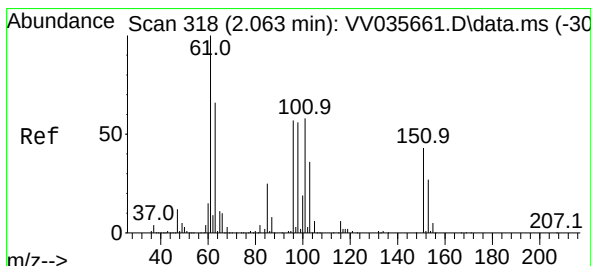
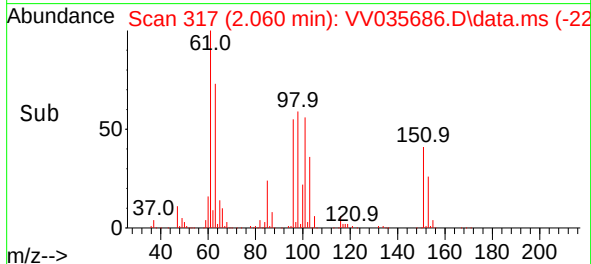
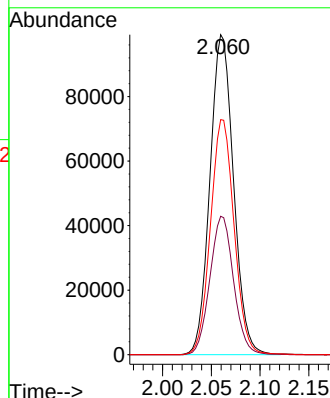
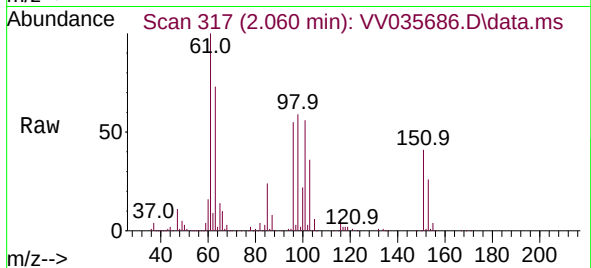




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 19.873 ug/L
 RT: 2.060 min Scan# 317
 Delta R.T. -0.003 min
 Lab File: VV035686.D
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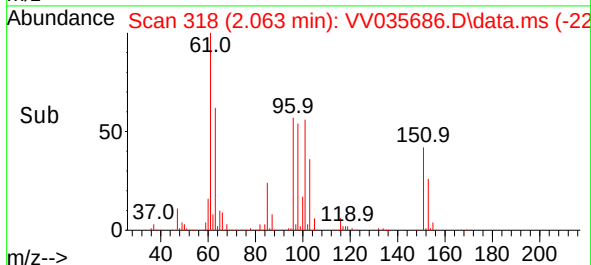
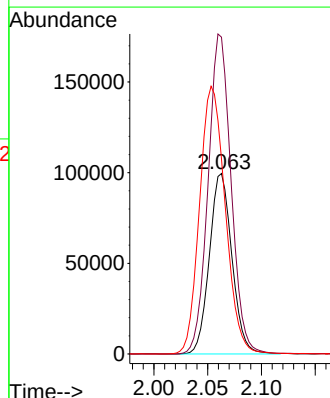
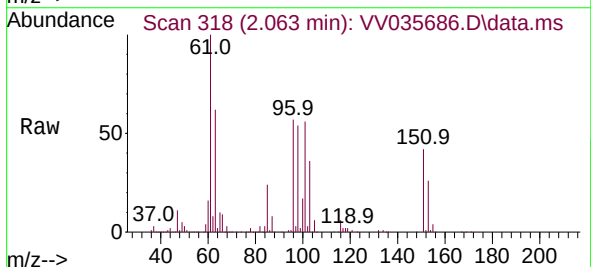
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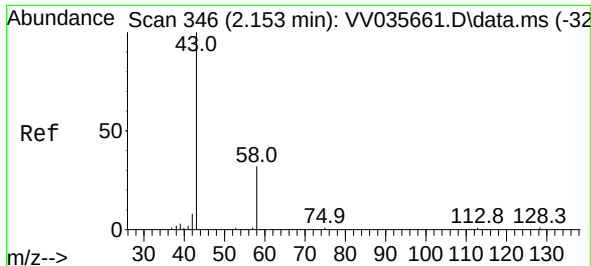
Tgt Ion:101 Resp: 166957
 Ion Ratio Lower Upper
 101 100
 85 43.4 34.2 51.4
 151 73.7 59.5 89.3



#12
 1,1-Dichloroethene
 Concen: 19.133 ug/L
 RT: 2.063 min Scan# 318
 Delta R.T. -0.000 min
 Lab File: VV035686.D
 Acq: 22 May 2024 19:18

Tgt Ion: 96 Resp: 145191
 Ion Ratio Lower Upper
 96 100
 61 175.5 119.8 222.4
 63 108.2 75.6 140.4





#13

Acetone

Concen: 27.541 ug/L

RT: 2.150 min Scan# 346

Delta R.T. -0.003 min

Lab File: VV035686.D

Acq: 22 May 2024 19:18

Instrument :

MSVOA_V

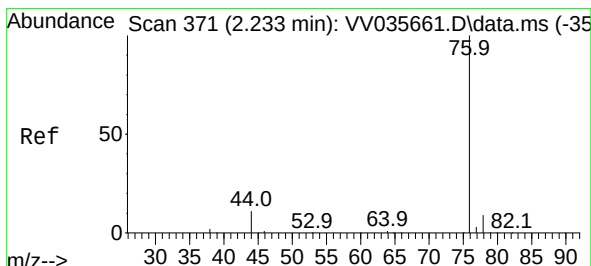
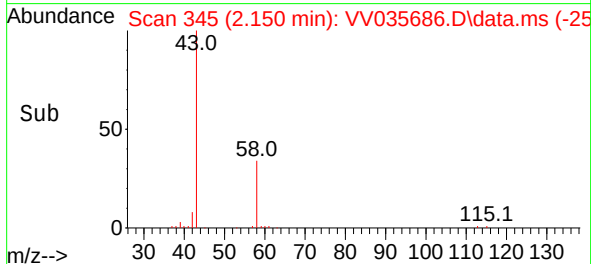
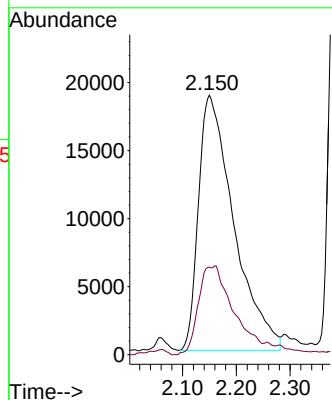
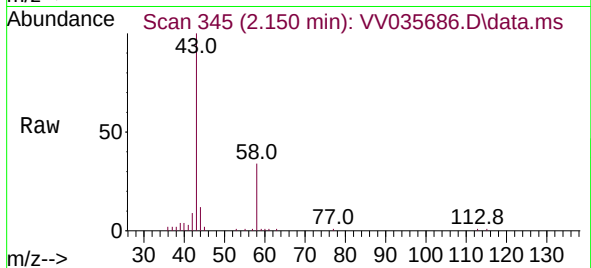
ClientSampleId :

Tgt Ion: 43 Resp: 85547

Ion Ratio Lower Upper

43 100

58 13.0 0.0 22.8



#14

Carbon disulfide

Concen: 15.515 ug/L

RT: 2.233 min Scan# 371

Delta R.T. -0.000 min

Lab File: VV035686.D

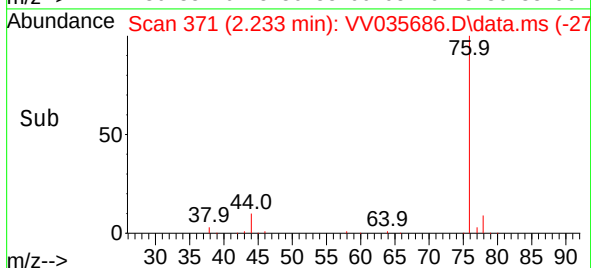
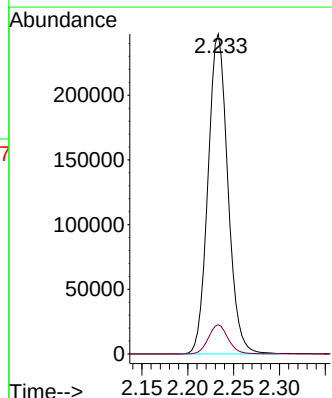
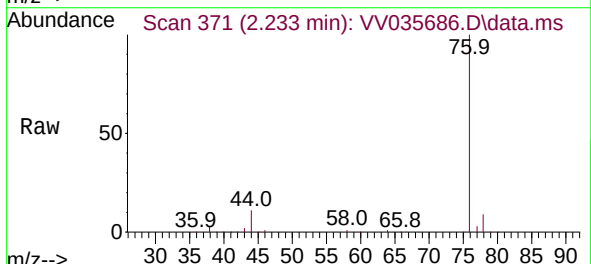
Acq: 22 May 2024 19:18

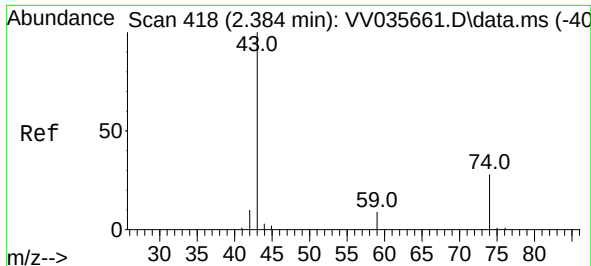
Tgt Ion: 76 Resp: 372908

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3





#15

Methyl Acetate

Concen: 18.961 ug/L

RT: 2.384 min Scan# 418

Delta R.T. -0.000 min

Lab File: VV035686.D

Acq: 22 May 2024 19:18

Instrument :

MSVOA_V

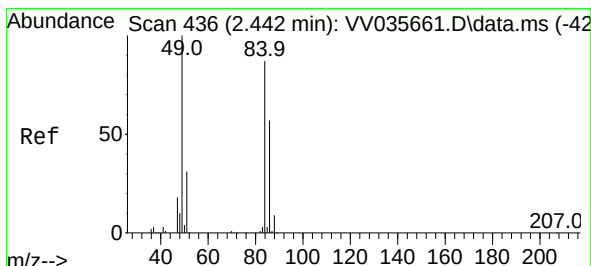
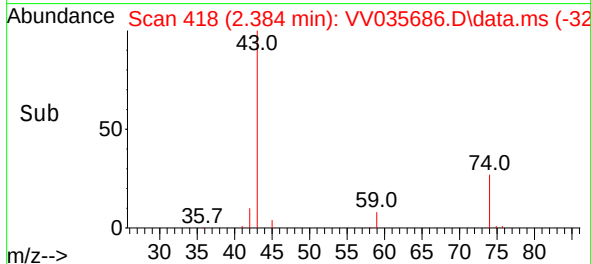
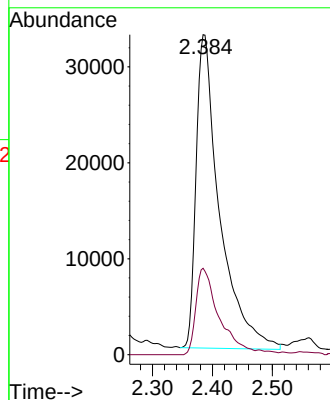
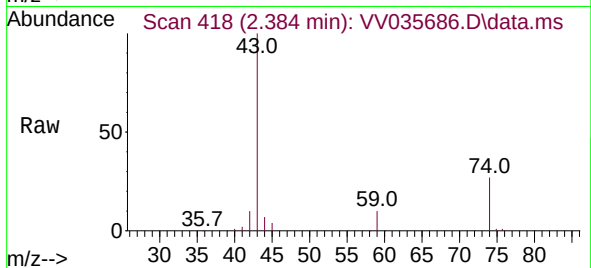
ClientSampleId :

Tgt Ion: 43 Resp: 89230

Ion Ratio Lower Upper

43 100

74 26.8 18.6 27.8



#16

Methylene chloride

Concen: 19.438 ug/L

RT: 2.442 min Scan# 436

Delta R.T. -0.000 min

Lab File: VV035686.D

Acq: 22 May 2024 19:18

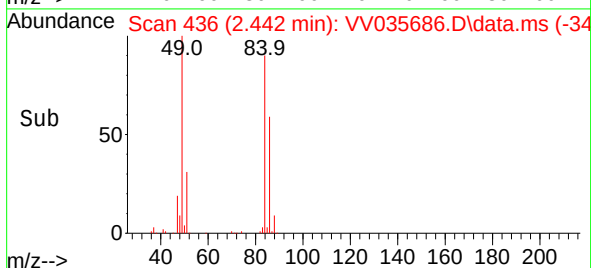
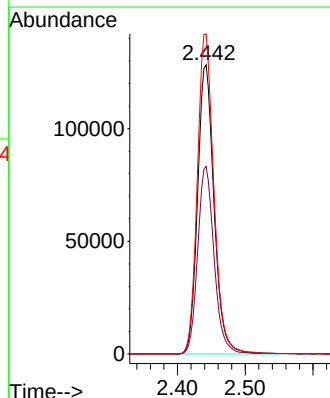
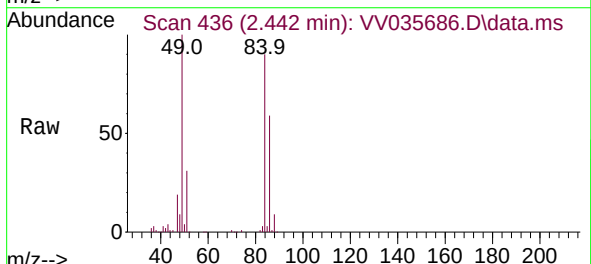
Tgt Ion: 84 Resp: 216836

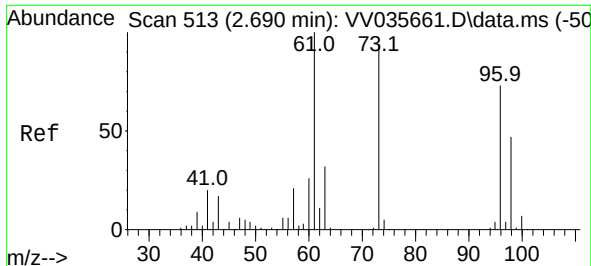
Ion Ratio Lower Upper

84 100

86 64.8 43.8 81.3

49 110.7 75.3 139.9

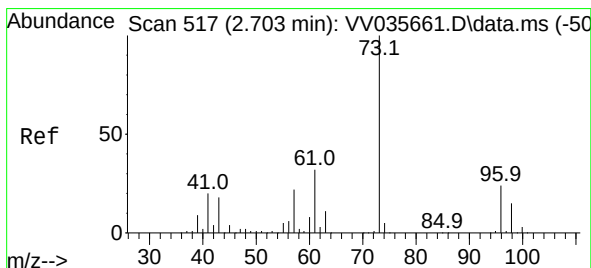
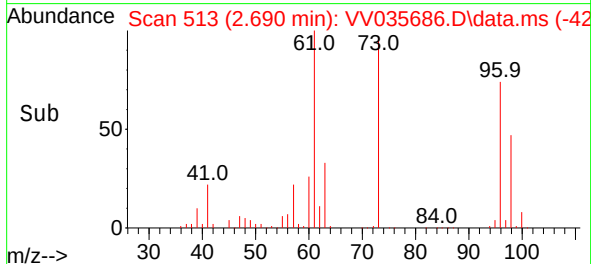
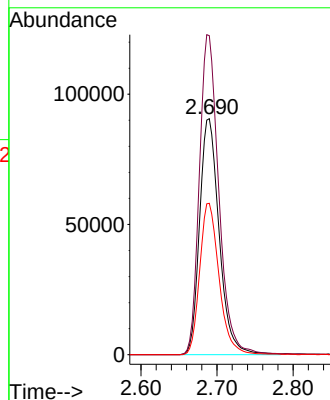
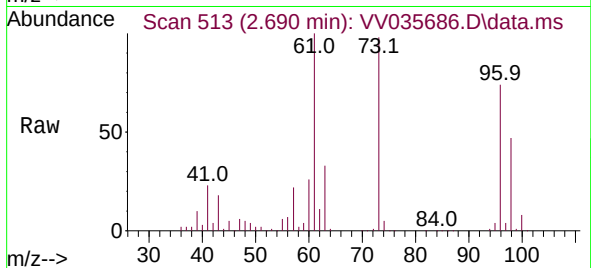




#17
trans-1,2-Dichloroethene
Concen: 19.274 ug/L
RT: 2.690 min Scan# 513
Delta R.T. -0.000 min
Lab File: VV035686.D
Acq: 22 May 2024 19:18

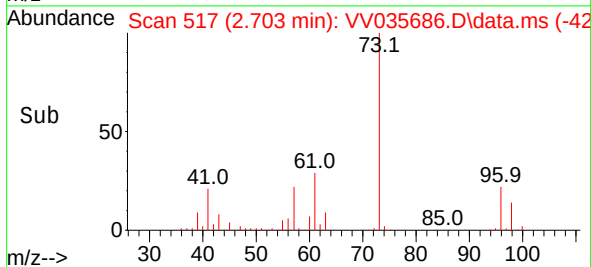
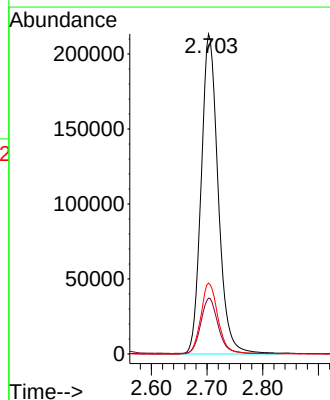
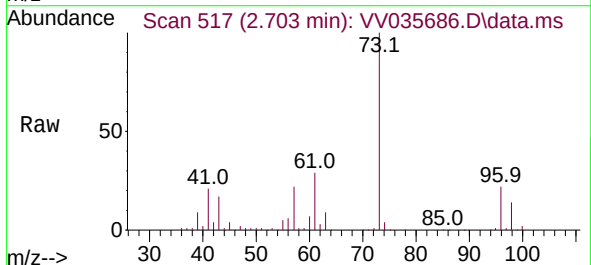
Instrument :
MSVOA_V
ClientSampleId :

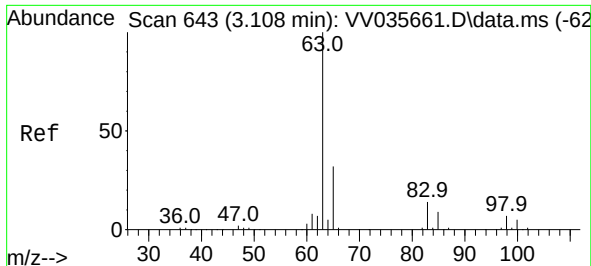
Tgt Ion: 96 Resp: 162368
Ion Ratio Lower Upper
96 100
61 135.2 95.5 177.4
98 64.1 46.0 85.4



#18
Methyl tert-butyl Ether
Concen: 22.231 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV035686.D
Acq: 22 May 2024 19:18

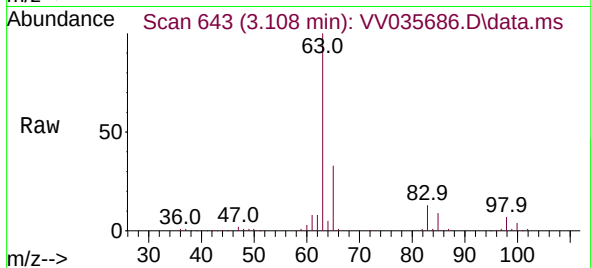
Tgt Ion: 73 Resp: 451758
Ion Ratio Lower Upper
73 100
43 17.3 13.3 19.9
57 22.4 17.4 26.2



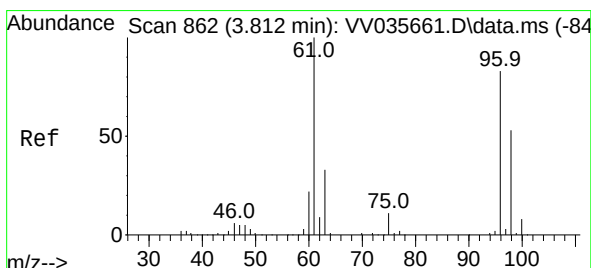
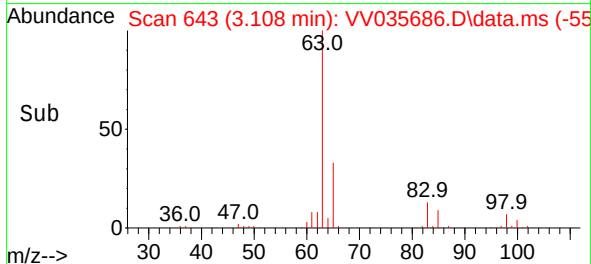
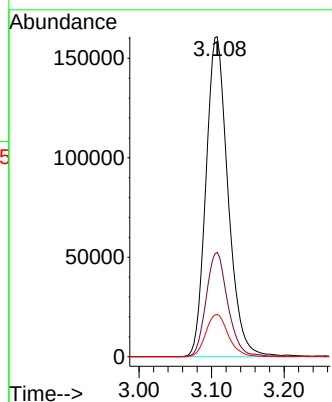


#19
1,1-Dichloroethane
Concen: 21.539 ug/L
RT: 3.108 min Scan# 643
Delta R.T. -0.000 min
Lab File: VV035686.D
Acq: 22 May 2024 19:18

Instrument :
MSVOA_V
ClientSampleId :

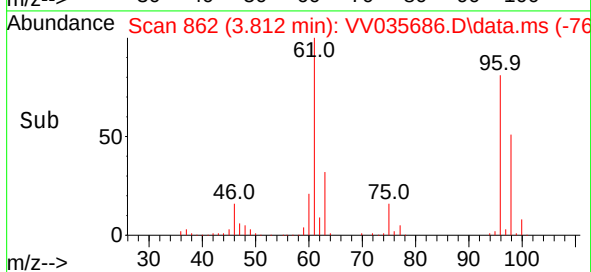
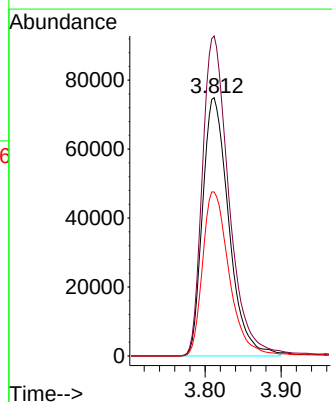
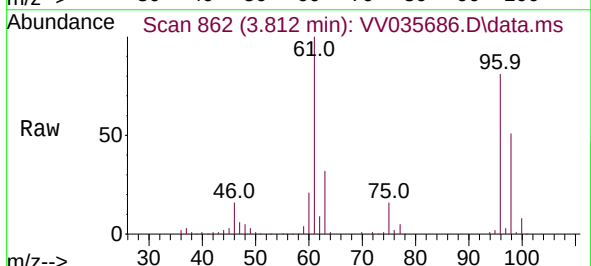


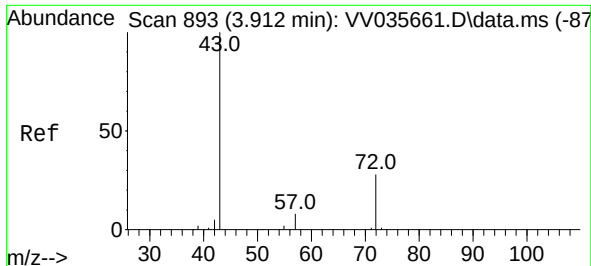
Tgt Ion: 63 Resp: 340174
Ion Ratio Lower Upper
63 100
65 32.6 22.7 42.3
83 13.3 9.7 17.9



#20
cis-1,2-Dichloroethene
Concen: 19.637 ug/L
RT: 3.812 min Scan# 862
Delta R.T. -0.000 min
Lab File: VV035686.D
Acq: 22 May 2024 19:18

Tgt Ion: 96 Resp: 179337
Ion Ratio Lower Upper
96 100
61 123.9 83.9 155.9
98 63.5 44.0 81.8





#22

2-Butanone

Concen: 29.645 ug/L

RT: 3.905 min Scan# 891

Delta R.T. -0.007 min

Lab File: VV035686.D

Acq: 22 May 2024 19:18

Instrument :

MSVOA_V

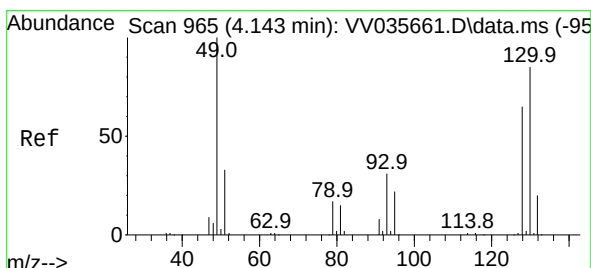
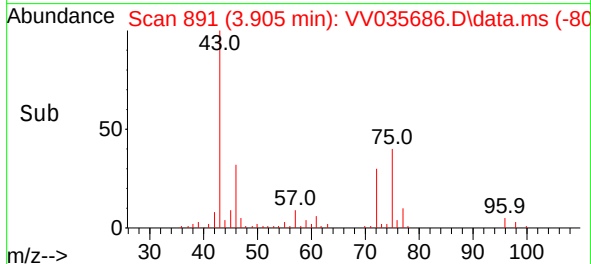
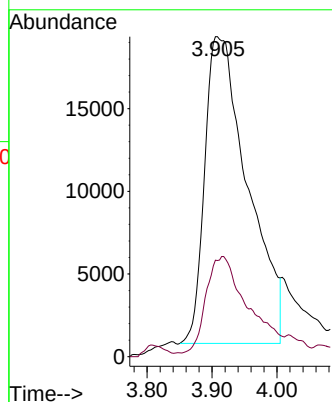
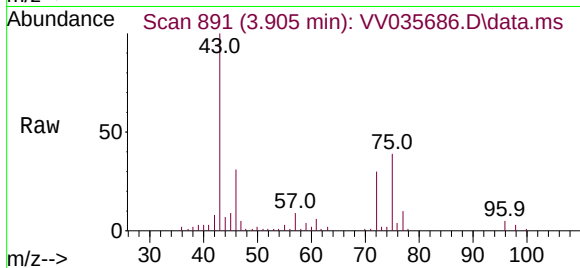
ClientSampleId :

Tgt Ion: 43 Resp: 85513

Ion Ratio Lower Upper

43 100

72 9.1 12.3 36.9#



#23

Bromochloromethane

Concen: 21.793 ug/L

RT: 4.143 min Scan# 965

Delta R.T. -0.000 min

Lab File: VV035686.D

Acq: 22 May 2024 19:18

Tgt Ion:128 Resp: 96263

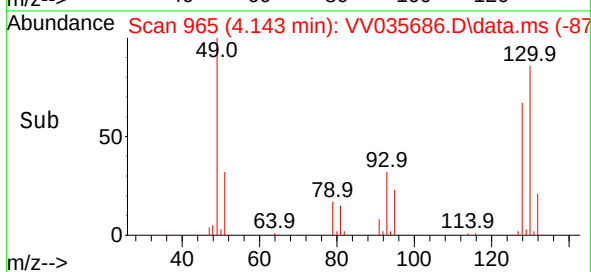
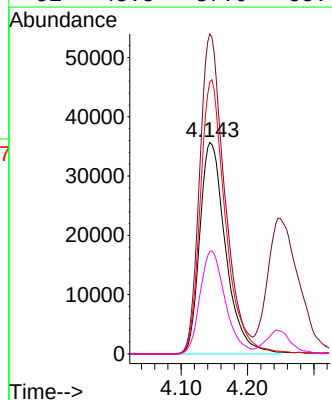
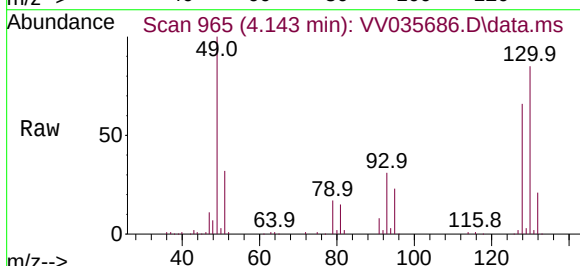
Ion Ratio Lower Upper

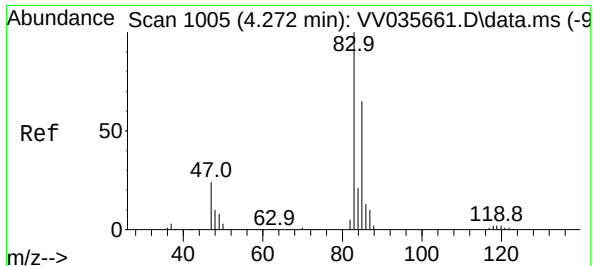
128 100

49 151.3 103.1 191.5

130 128.7 91.8 170.4

51 48.5 37.0 55.4





#25

Chloroform

Concen: 22.464 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. -0.000 min

Lab File: VV035686.D

Acq: 22 May 2024 19:18

Instrument :

MSVOA_V

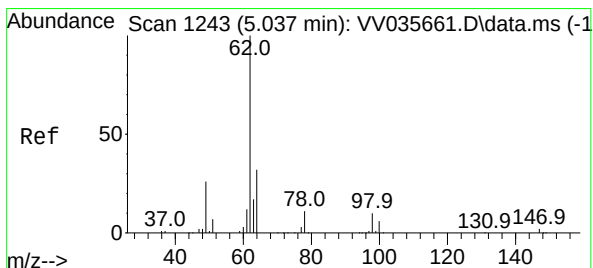
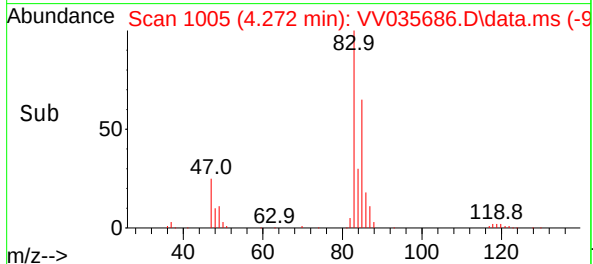
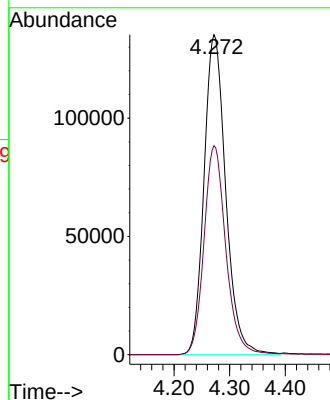
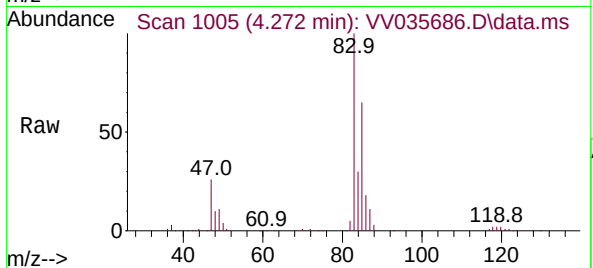
ClientSampleId :

Tgt Ion: 83 Resp: 366360

Ion Ratio Lower Upper

83 100

85 65.3 44.7 82.9



#27

1,2-Dichloroethane

Concen: 22.753 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VV035686.D

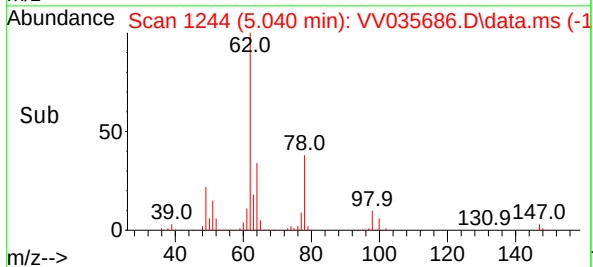
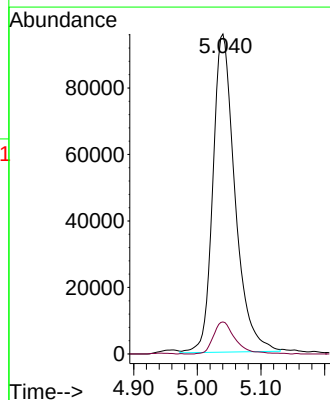
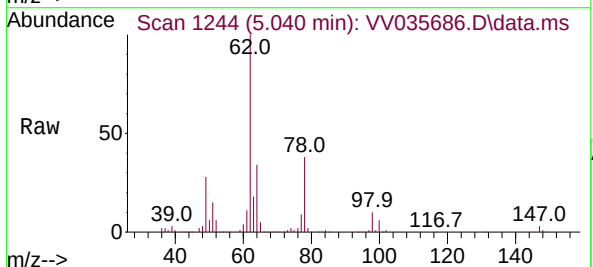
Acq: 22 May 2024 19:18

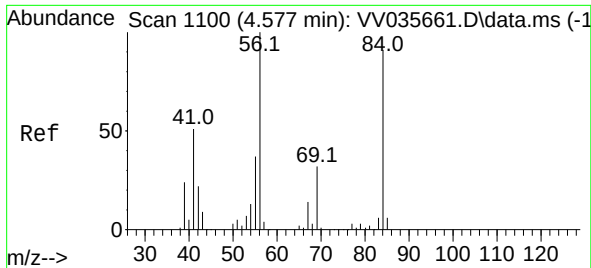
Tgt Ion: 62 Resp: 231067

Ion Ratio Lower Upper

62 100

98 10.0 8.2 12.2





#29

Cyclohexane

Concen: 16.815 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. -0.000 min

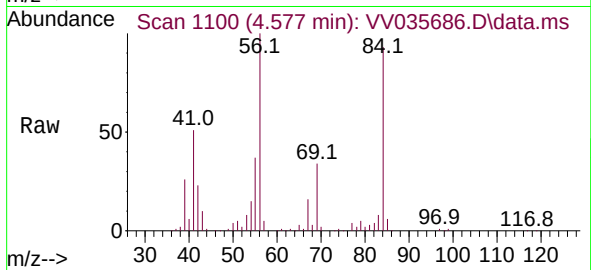
Lab File: VV035686.D

Acq: 22 May 2024 19:18

Instrument :

MSVOA_V

ClientSampleId :



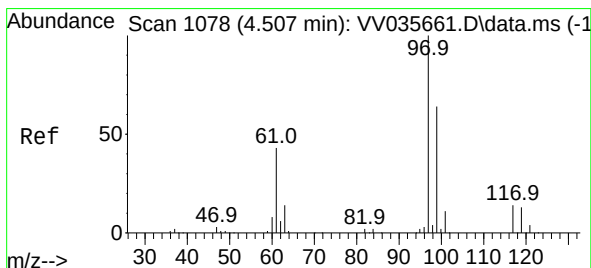
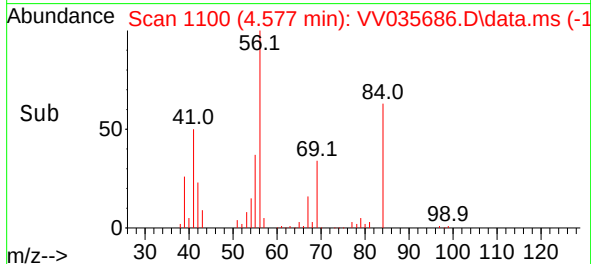
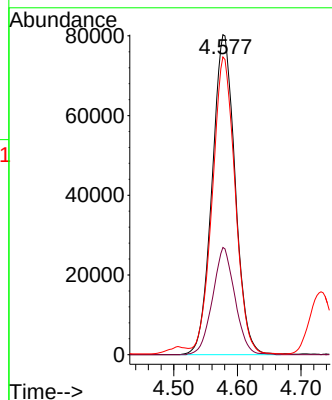
Tgt Ion: 56 Resp: 201364

Ion Ratio Lower Upper

56 100

69 32.5 25.6 38.4

84 91.6 74.8 112.2



#30

1,1,1-Trichloroethane

Concen: 21.017 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VV035686.D

Acq: 22 May 2024 19:18

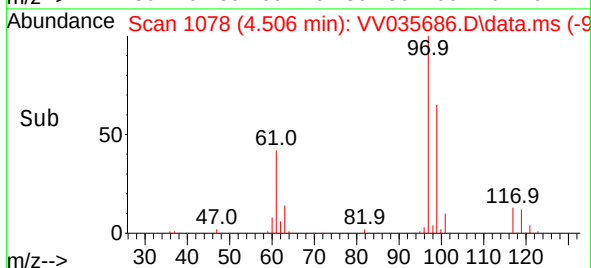
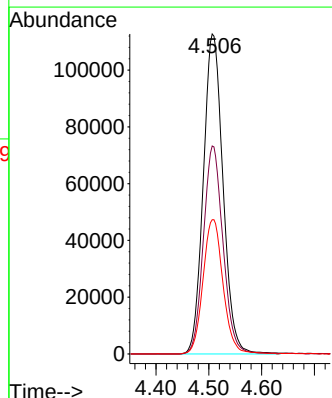
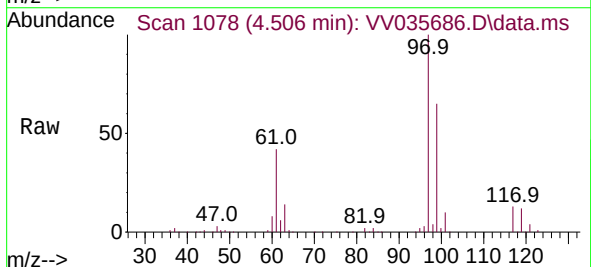
Tgt Ion: 97 Resp: 291829

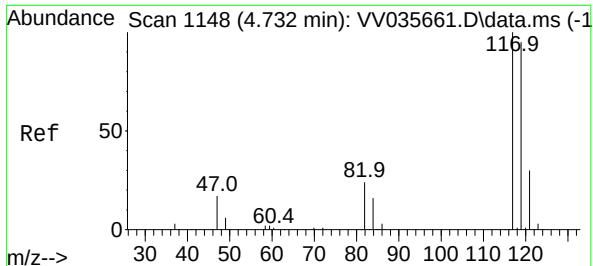
Ion Ratio Lower Upper

97 100

99 64.5 51.7 77.5

61 42.5 33.5 50.3

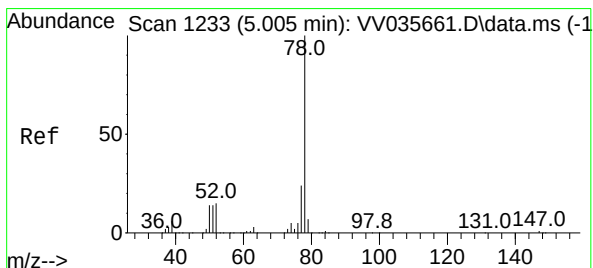
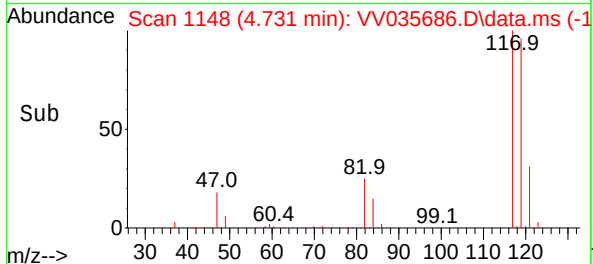
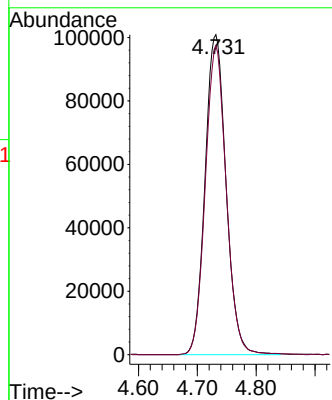
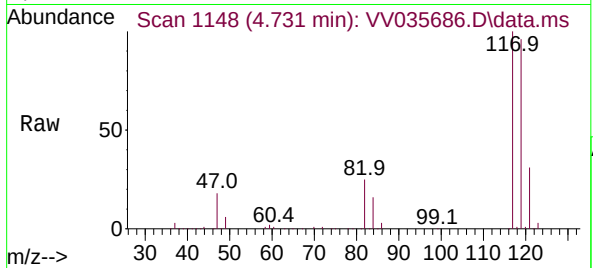




#31
Carbon tetrachloride
Concen: 20.551 ug/L
RT: 4.731 min Scan# 1148
Delta R.T. -0.000 min
Lab File: VV035686.D
Acq: 22 May 2024 19:18

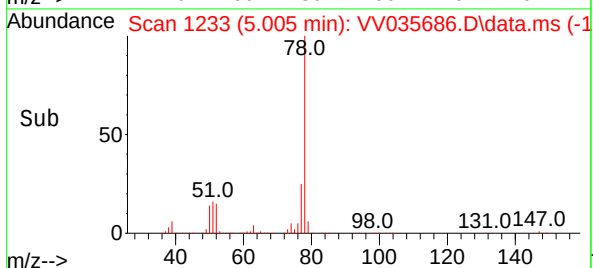
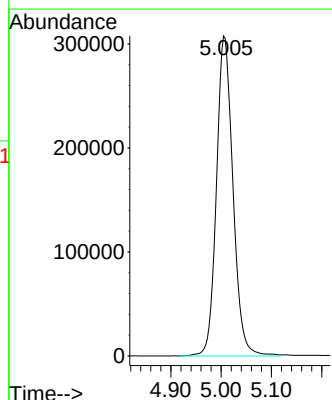
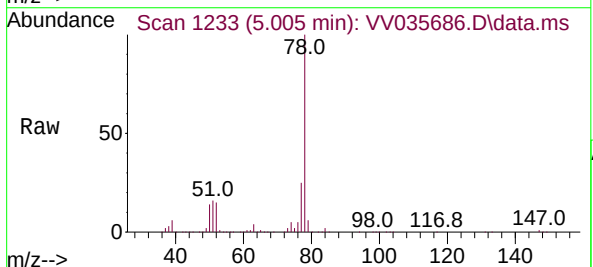
Instrument :
MSVOA_V
ClientSampleId :

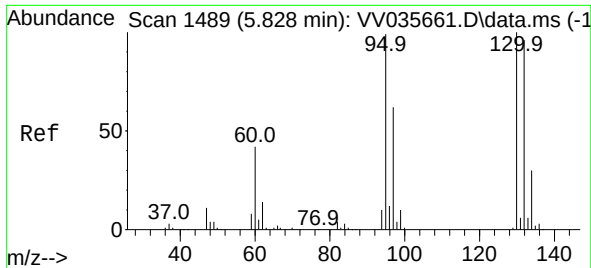
Tgt Ion:117 Resp: 250381
Ion Ratio Lower Upper
117 100
119 95.7 77.3 115.9



#33
Benzene
Concen: 21.216 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VV035686.D
Acq: 22 May 2024 19:18

Tgt Ion: 78 Resp: 703179





#34

Trichloroethene

Concen: 21.936 ug/L

RT: 5.831 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV035686.D

Acq: 22 May 2024 19:18

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 205653

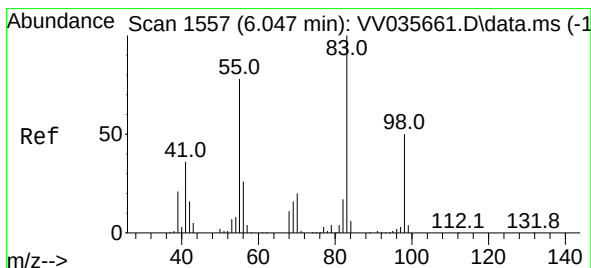
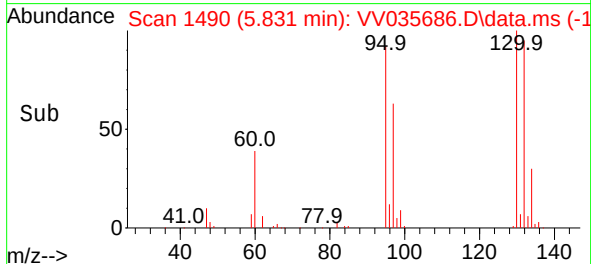
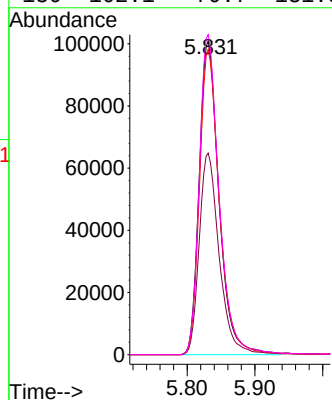
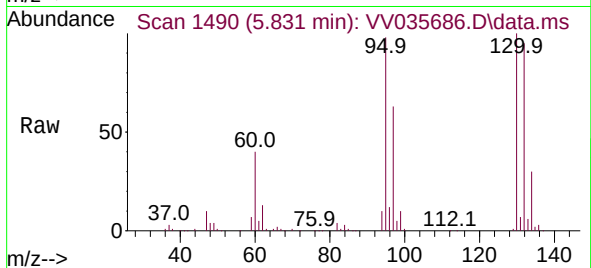
Ion Ratio Lower Upper

95 100

97 64.3 43.8 81.4

132 97.3 67.1 124.7

130 102.1 70.7 131.3



#35

Methylcyclohexane

Concen: 17.250 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. -0.000 min

Lab File: VV035686.D

Acq: 22 May 2024 19:18

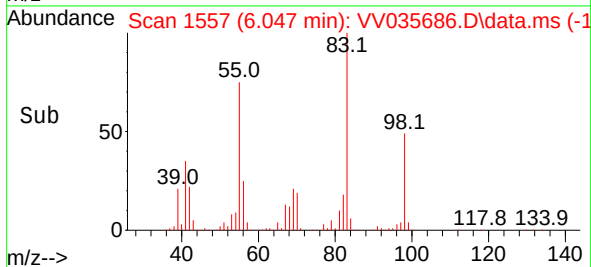
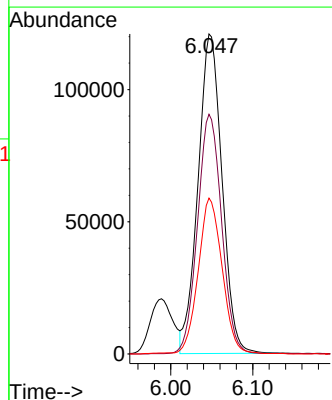
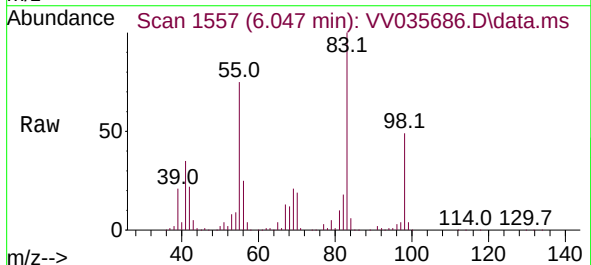
Tgt Ion: 83 Resp: 245527

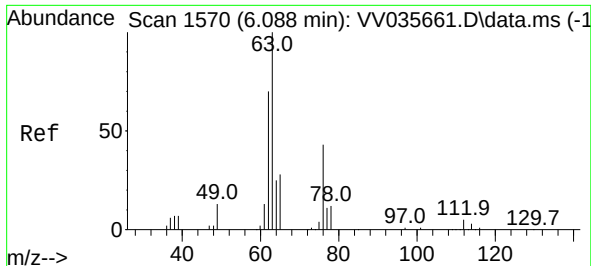
Ion Ratio Lower Upper

83 100

55 75.1 57.5 86.3

98 48.7 38.6 58.0





#37

1,2-Dichloropropane

Concen: 23.621 ug/L

RT: 6.092 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV035686.D

Acq: 22 May 2024 19:18

Instrument :

MSVOA_V

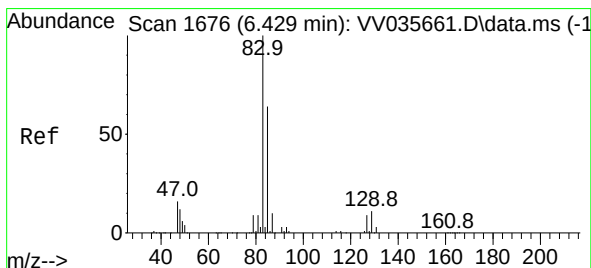
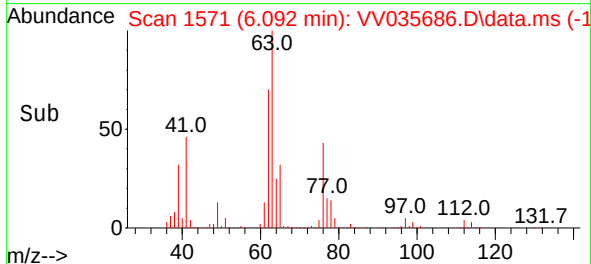
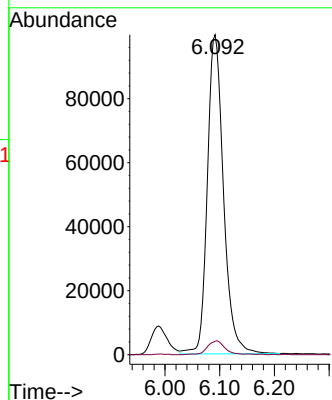
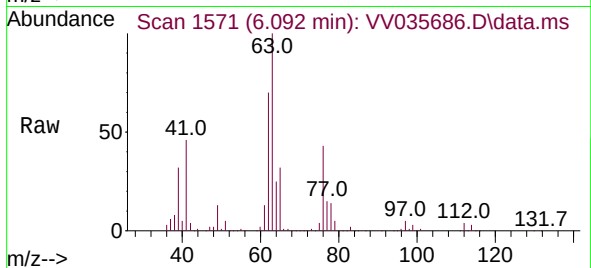
ClientSampleId :

Tgt Ion: 63 Resp: 204254

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.6



#38

Bromodichloromethane

Concen: 22.730 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.003 min

Lab File: VV035686.D

Acq: 22 May 2024 19:18

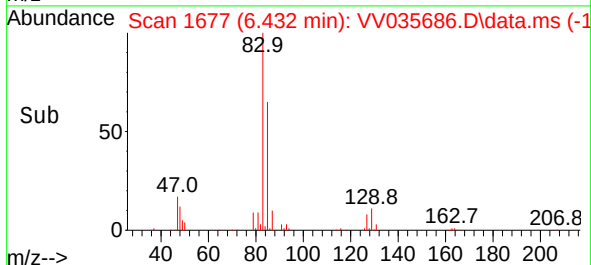
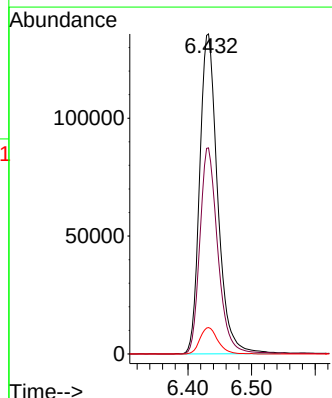
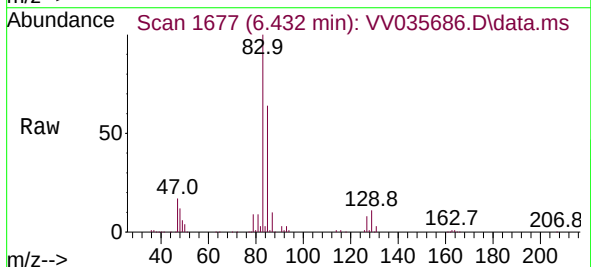
Tgt Ion: 83 Resp: 266266

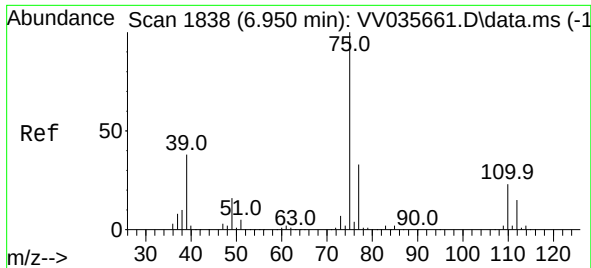
Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.9

127 8.3 7.0 10.6

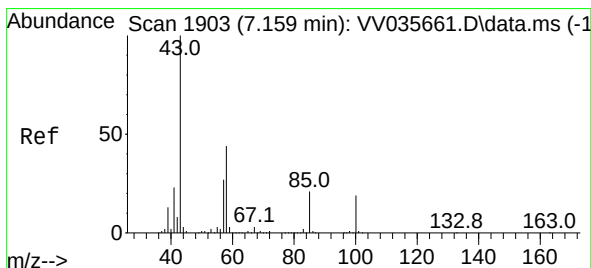
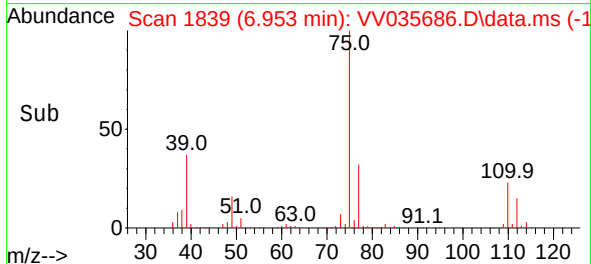
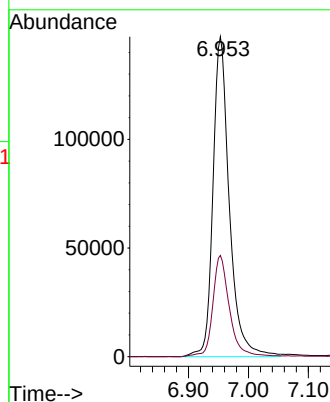
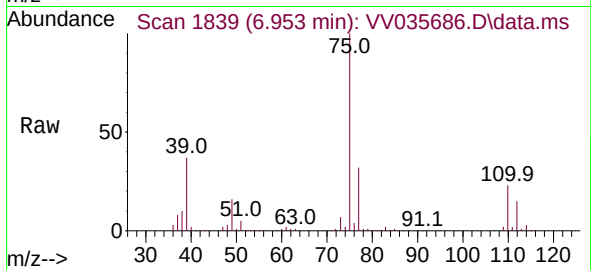




#39
cis-1,3-Dichloropropene
Concen: 20.643 ug/L
RT: 6.953 min Scan# 1839
Delta R.T. 0.003 min
Lab File: VV035686.D
Acq: 22 May 2024 19:18

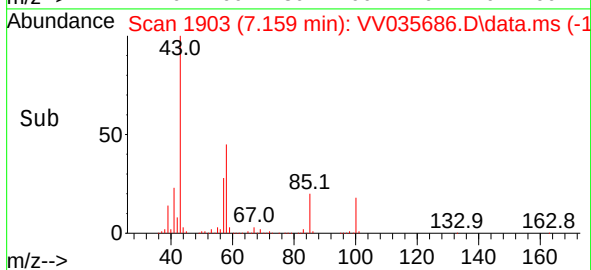
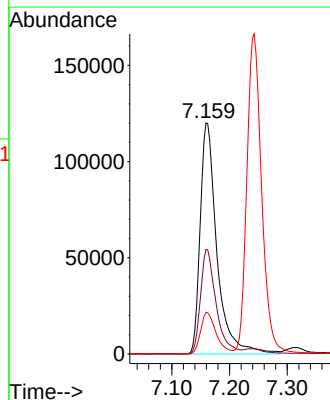
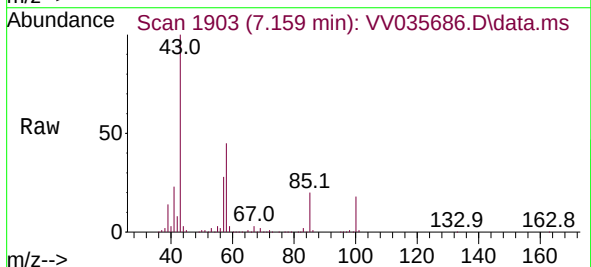
Instrument :
MSVOA_V
ClientSampleId :

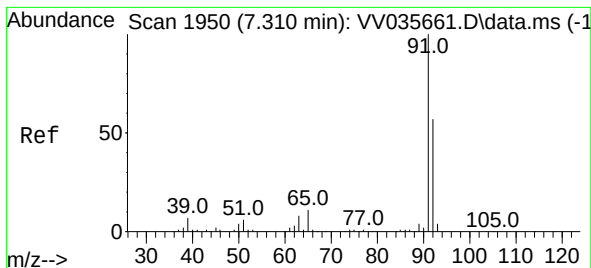
Tgt Ion: 75 Resp: 279198
Ion Ratio Lower Upper
75 100
77 31.6 22.5 41.9



#40
4-Methyl-2-pentanone
Concen: 46.803 ug/L
RT: 7.159 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VV035686.D
Acq: 22 May 2024 19:18

Tgt Ion: 43 Resp: 242386
Ion Ratio Lower Upper
43 100
58 42.0 34.8 52.2
100 16.6 13.9 20.9





#42

Toluene

Concen: 21.618 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV035686.D

Acq: 22 May 2024 19:18

Instrument :

MSVOA_V

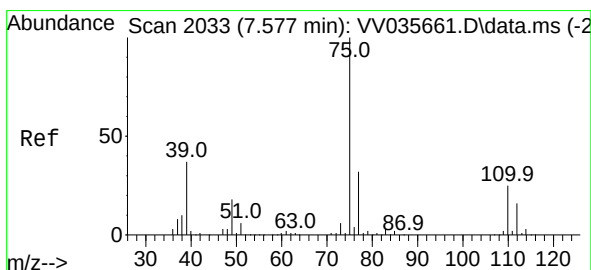
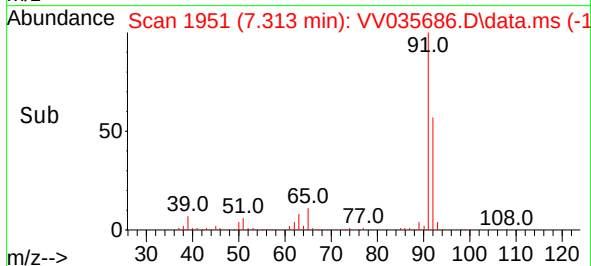
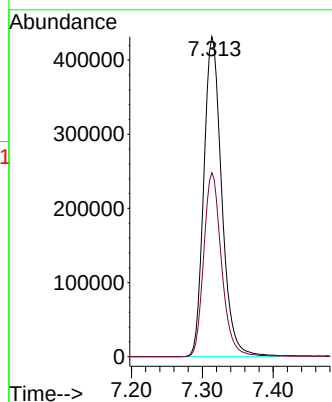
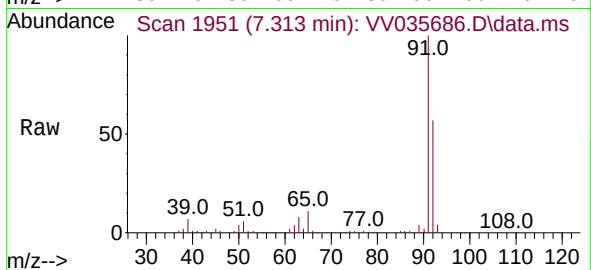
ClientSampleId :

Tgt Ion: 91 Resp: 758278

Ion Ratio Lower Upper

91 100

92 57.5 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 21.654 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV035686.D

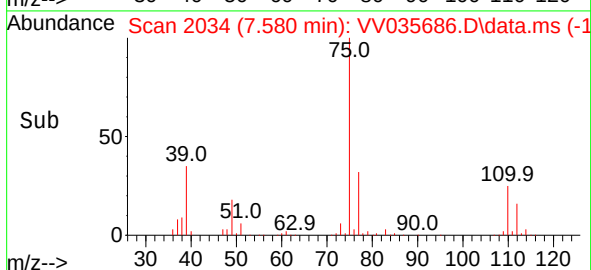
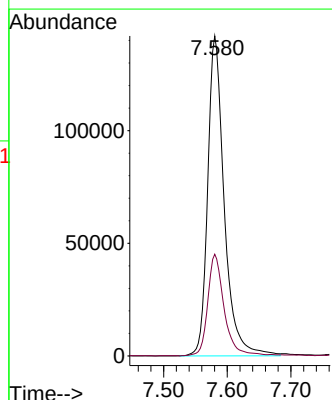
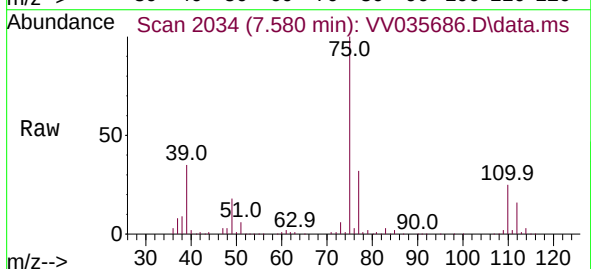
Acq: 22 May 2024 19:18

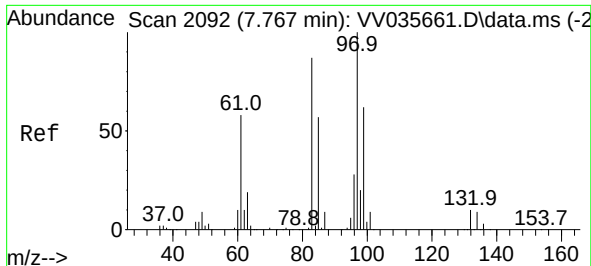
Tgt Ion: 75 Resp: 256202

Ion Ratio Lower Upper

75 100

77 31.8 22.4 41.6

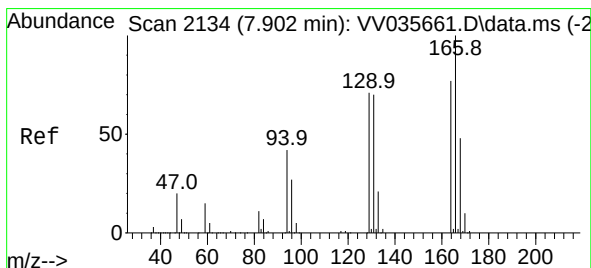
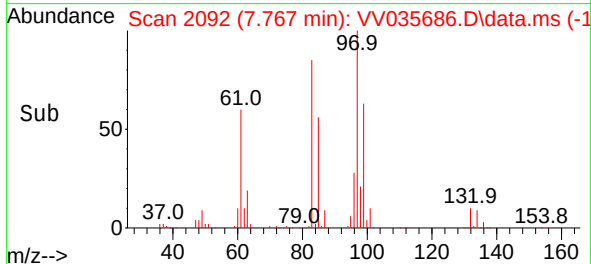
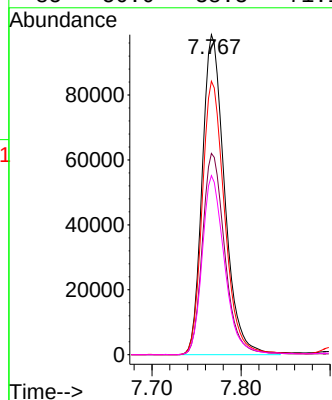
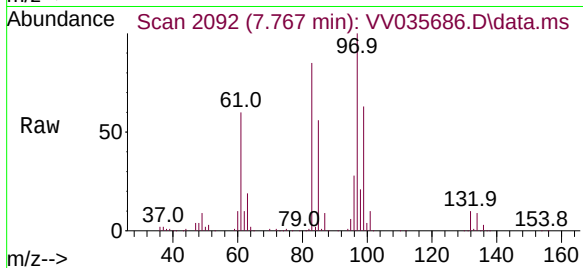




#45
1,1,2-Trichloroethane
Concen: 23.456 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. -0.000 min
Lab File: VV035686.D
Acq: 22 May 2024 19:18

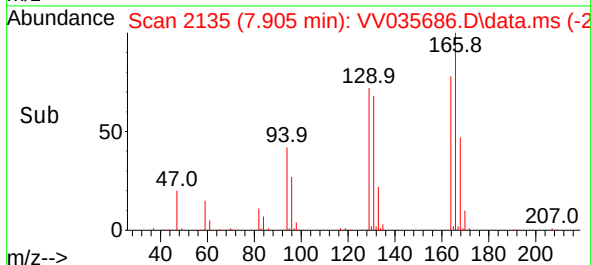
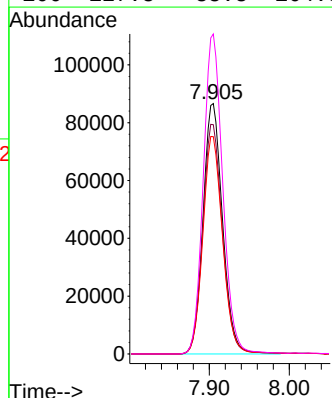
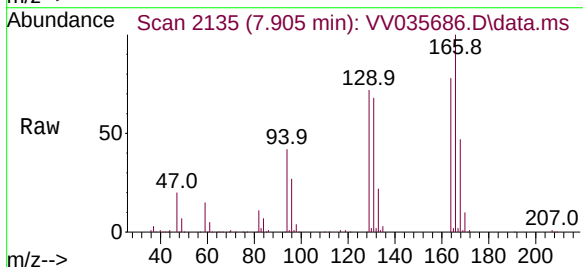
Instrument :
MSVOA_V
ClientSampleId :

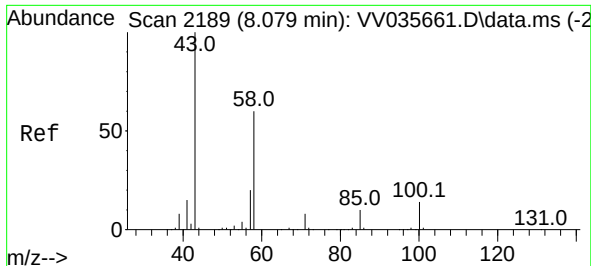
Tgt Ion:	97	Resp:	172337
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.3	80.3
83	85.5	60.3	111.9
85	56.0	38.3	71.1



#46
Tetrachloroethene
Concen: 19.345 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.003 min
Lab File: VV035686.D
Acq: 22 May 2024 19:18

Tgt Ion:	164	Resp:	147344
Ion	Ratio	Lower	Upper
164	100		
129	91.5	63.4	117.8
131	86.8	61.0	113.4
166	127.8	88.8	164.8





#48

2-Hexanone

Concen: 43.567 ug/L

RT: 8.079 min Scan# 2189

Delta R.T. -0.000 min

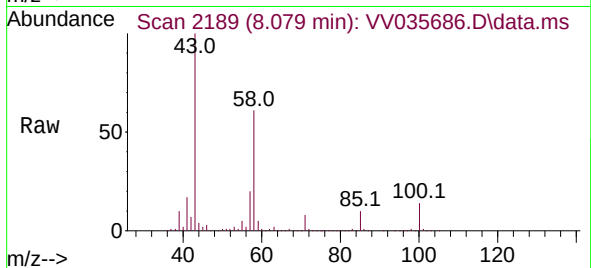
Lab File: VV035686.D

Acq: 22 May 2024 19:18

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 169169

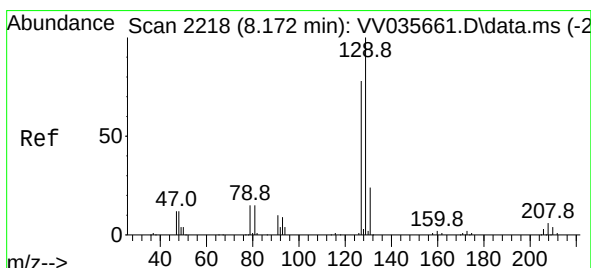
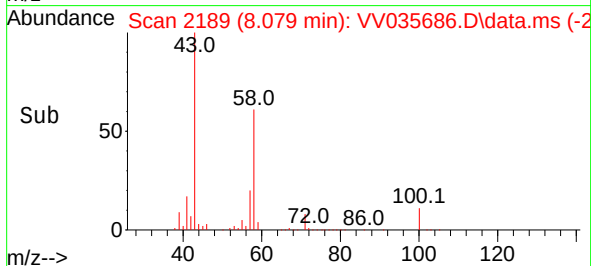
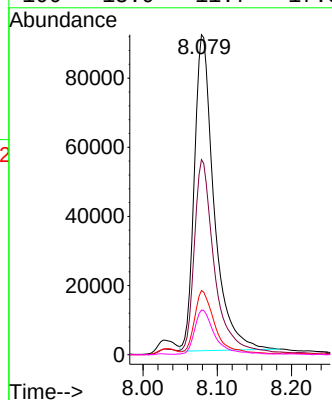
Ion Ratio Lower Upper

43 100

58 62.9 48.8 73.2

57 20.9 16.9 25.3

100 13.9 11.7 17.5



#49

Dibromochloromethane

Concen: 22.932 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.003 min

Lab File: VV035686.D

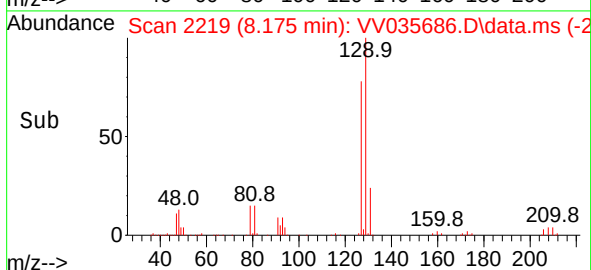
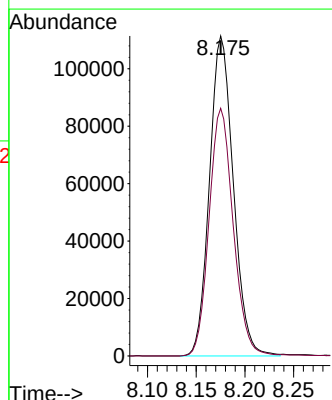
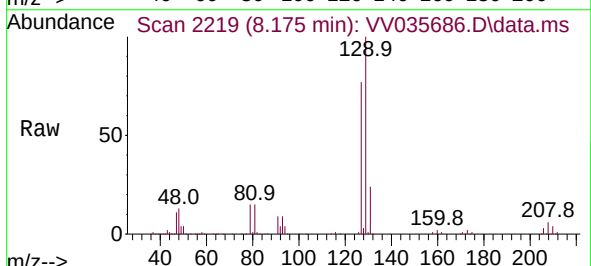
Acq: 22 May 2024 19:18

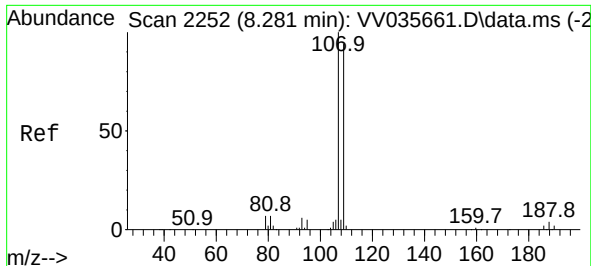
Tgt Ion: 129 Resp: 190118

Ion Ratio Lower Upper

129 100

127 77.4 53.8 99.8





#50

1,2-Dibromoethane

Concen: 22.372 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.000 min

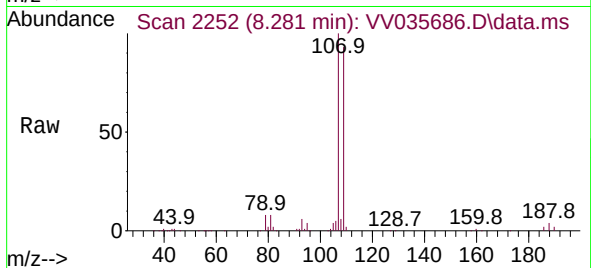
Lab File: VV035686.D

Acq: 22 May 2024 19:18

Instrument :

MSVOA_V

ClientSampleId :



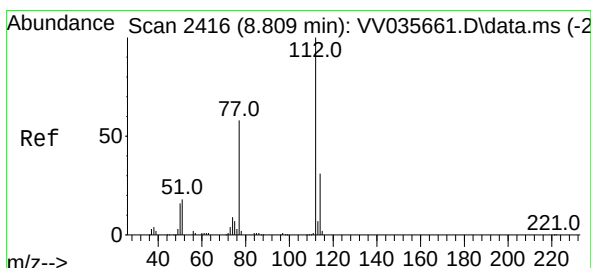
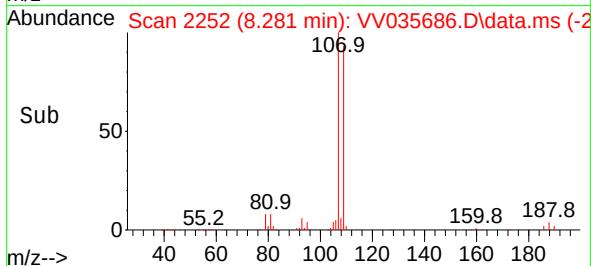
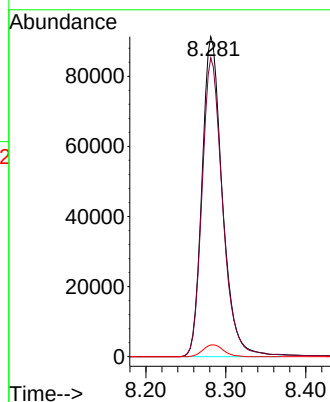
Tgt Ion:107 Resp: 161932

Ion Ratio Lower Upper

107 100

109 93.4 65.4 121.4

188 3.7 2.9 4.3



#51

Chlorobenzene

Concen: 21.259 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.003 min

Lab File: VV035686.D

Acq: 22 May 2024 19:18

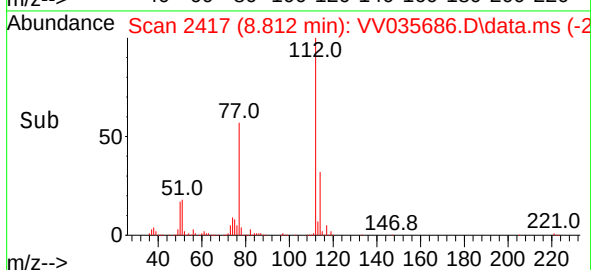
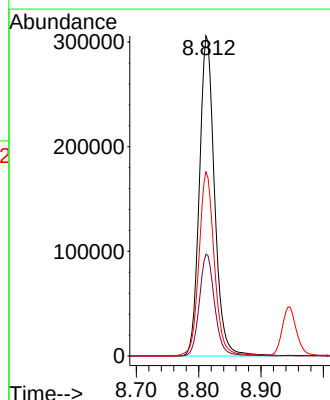
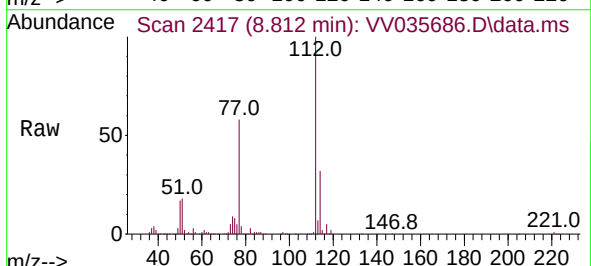
Tgt Ion:112 Resp: 517391

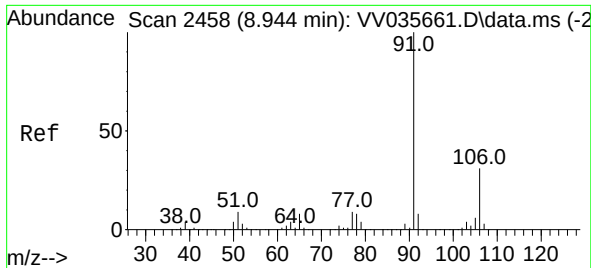
Ion Ratio Lower Upper

112 100

114 31.8 22.5 41.7

77 57.5 46.6 69.8

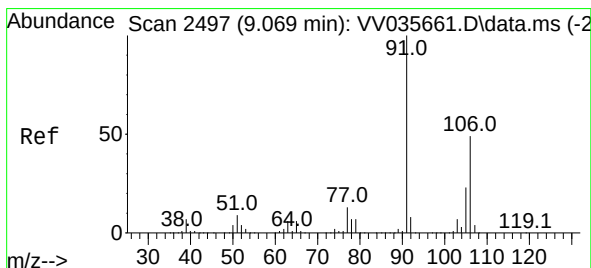
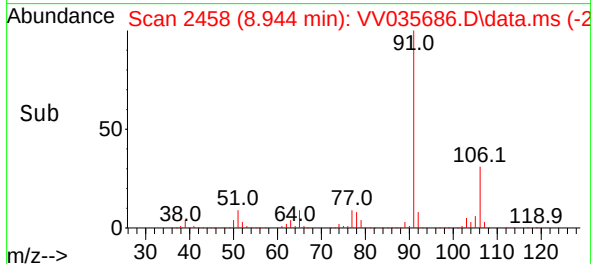
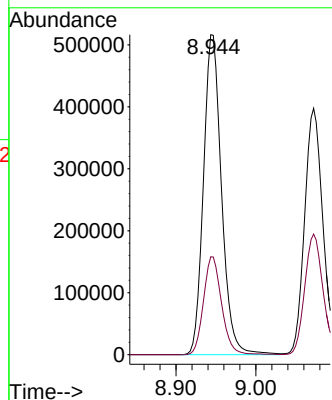
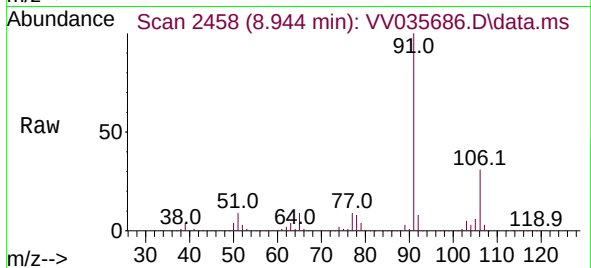




#52
Ethylbenzene
Concen: 20.971 ug/L
RT: 8.944 min Scan# 2458
Delta R.T. -0.000 min
Lab File: VV035686.D
Acq: 22 May 2024 19:18

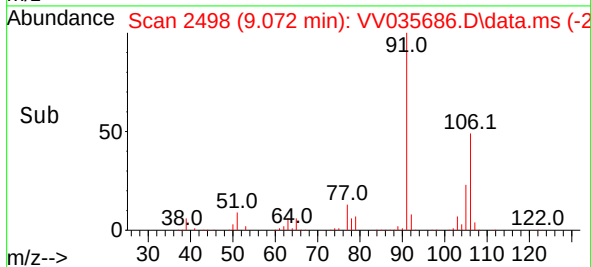
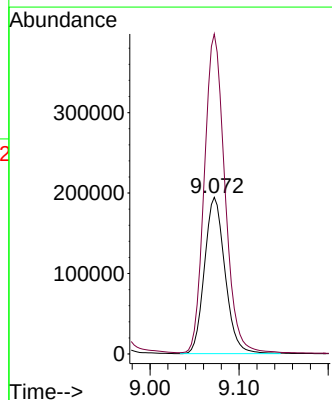
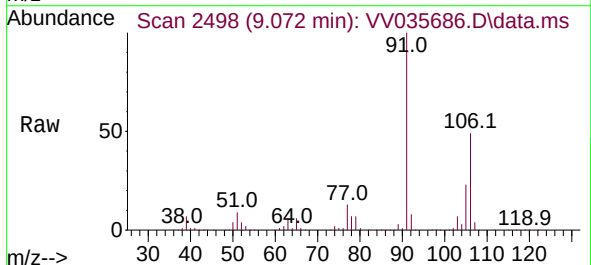
Instrument :
MSVOA_V
ClientSampleId :

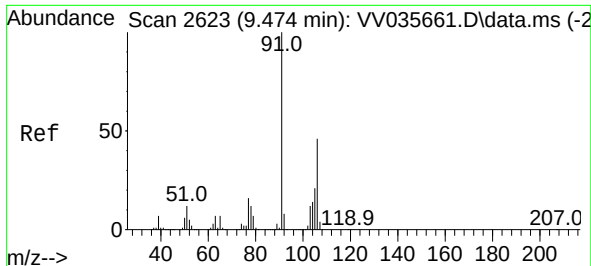
Tgt Ion: 91 Resp: 812139
Ion Ratio Lower Upper
91 100
106 30.6 21.7 40.3



#53
m,p-Xylene
Concen: 21.184 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.003 min
Lab File: VV035686.D
Acq: 22 May 2024 19:18

Tgt Ion: 106 Resp: 311246
Ion Ratio Lower Upper
106 100
91 204.3 142.7 264.9





#54

o-Xylene

Concen: 21.475 ug/L

RT: 9.477 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV035686.D

Acq: 22 May 2024 19:18

Instrument :

MSVOA_V

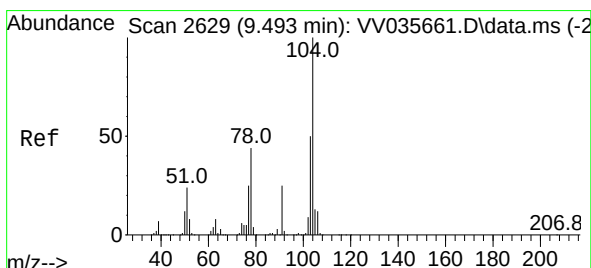
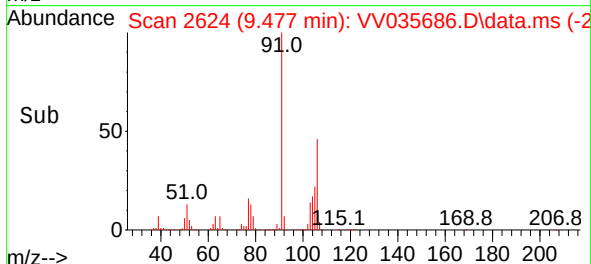
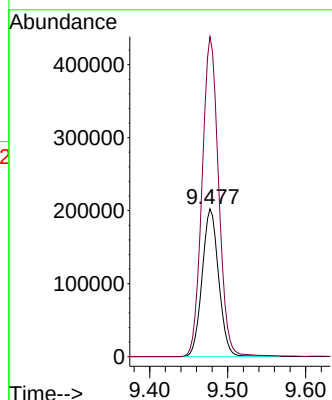
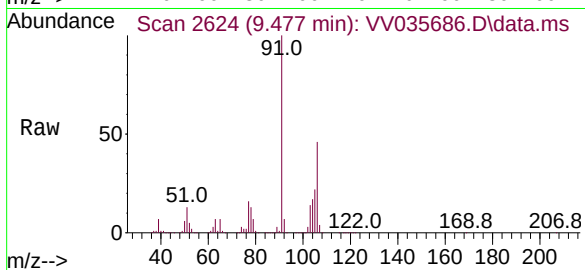
ClientSampleId :

Tgt Ion:106 Resp: 299043

Ion Ratio Lower Upper

106 100

91 216.4 150.9 280.3



#55

Styrene

Concen: 23.388 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. -0.000 min

Lab File: VV035686.D

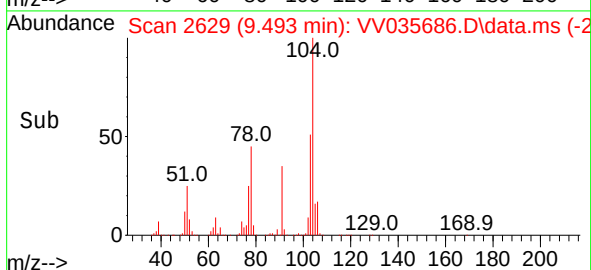
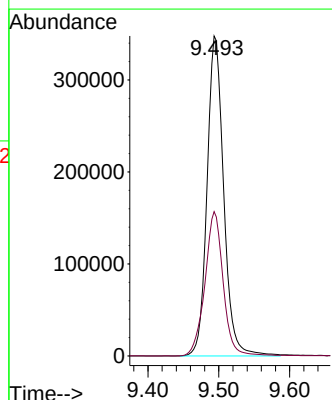
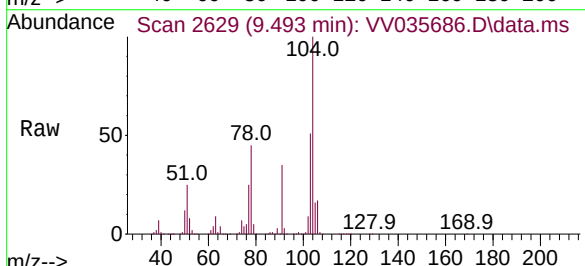
Acq: 22 May 2024 19:18

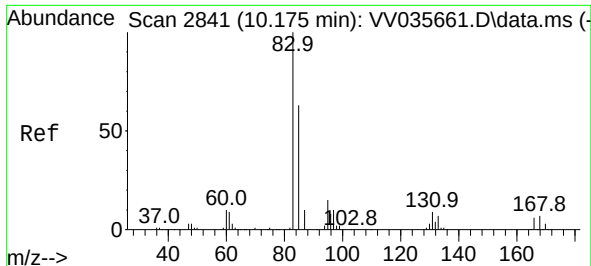
Tgt Ion:104 Resp: 568063

Ion Ratio Lower Upper

104 100

78 45.1 30.0 55.6





#57

1,1,2,2-Tetrachloroethane

Concen: 19.936 ug/L

RT: 10.178 min Scan# 2841

Delta R.T. 0.003 min

Lab File: VV035686.D

Acq: 22 May 2024 19:18

Instrument :

MSVOA_V

ClientSampleId :

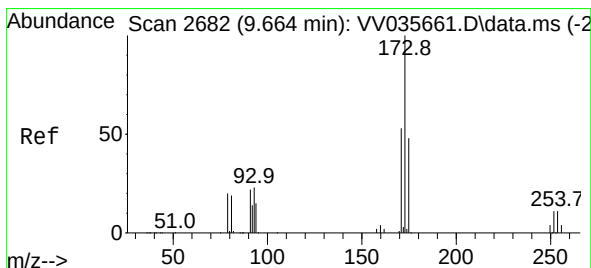
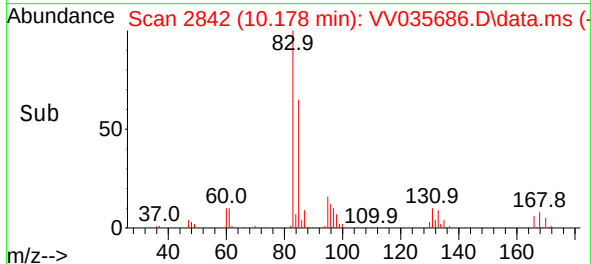
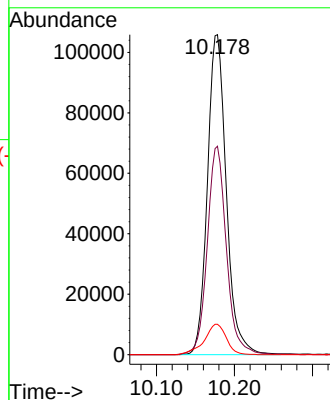
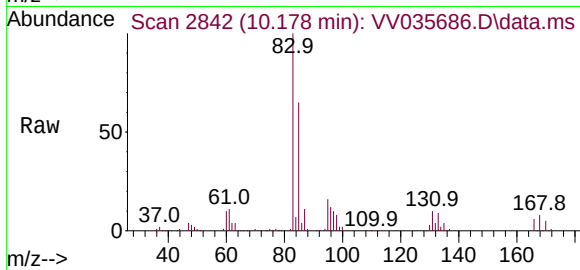
Tgt Ion: 83 Resp: 178427

Ion Ratio Lower Upper

83 100

85 65.2 44.7 83.1

131 9.5 8.0 12.0



#59

Bromoform

Concen: 23.963 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. -0.000 min

Lab File: VV035686.D

Acq: 22 May 2024 19:18

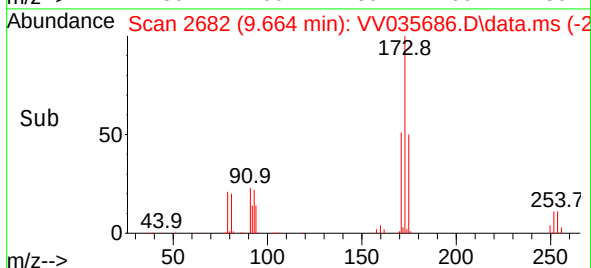
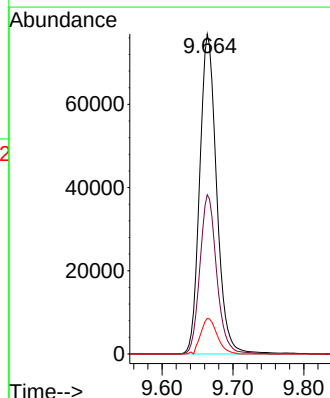
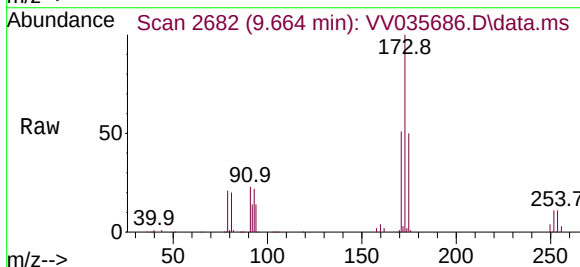
Tgt Ion: 173 Resp: 127697

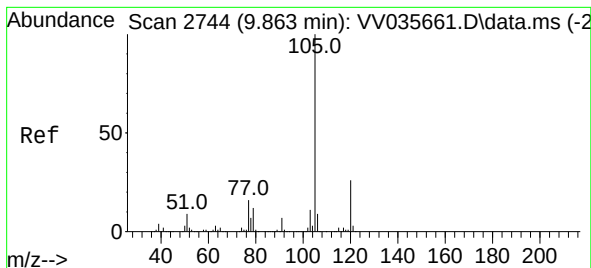
Ion Ratio Lower Upper

173 100

175 49.3 38.7 58.1

254 10.7 8.3 12.5





#60

Isopropylbenzene

Concen: 22.341 ug/L

RT: 9.866 min Scan# 2744

Delta R.T. 0.003 min

Lab File: VV035686.D

Acq: 22 May 2024 19:18

Instrument :

MSVOA_V

ClientSampleId :

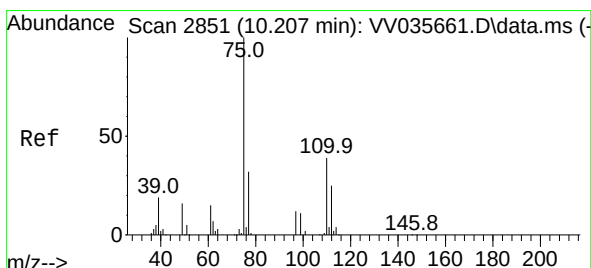
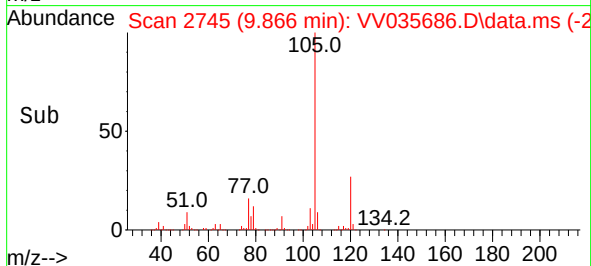
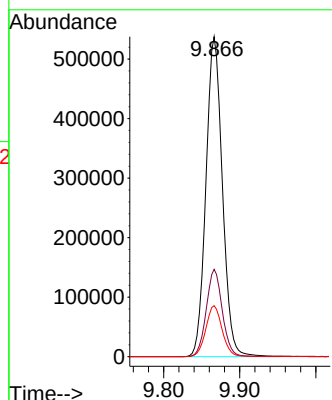
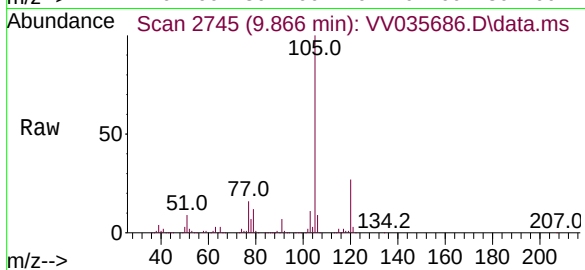
Tgt Ion:105 Resp: 806963

Ion Ratio Lower Upper

105 100

120 26.7 21.3 31.9

77 15.7 12.2 18.2



#61

1,2,3-Trichloropropane

Concen: 24.764 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. -0.000 min

Lab File: VV035686.D

Acq: 22 May 2024 19:18

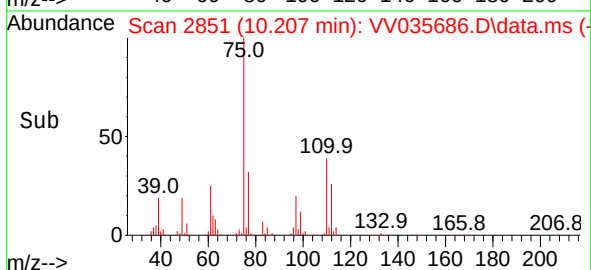
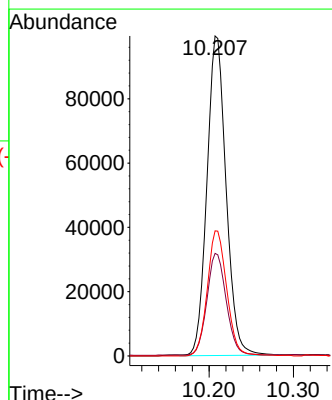
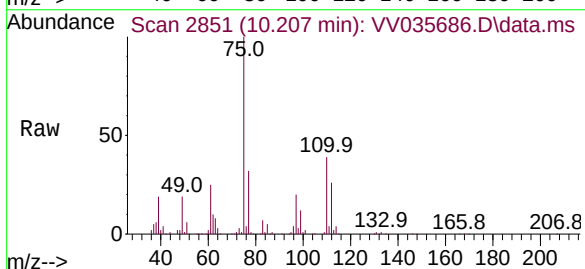
Tgt Ion: 75 Resp: 157354

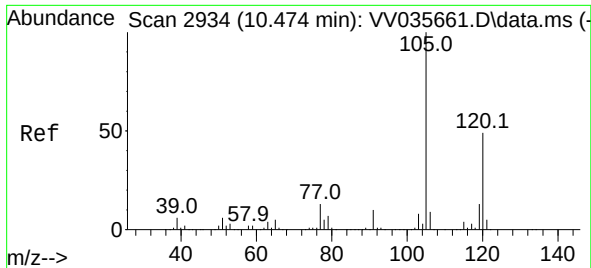
Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

110 39.6 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 22.783 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.003 min

Lab File: VV035686.D

Acq: 22 May 2024 19:18

Instrument :

MSVOA_V

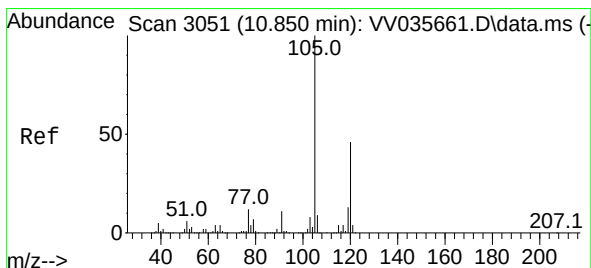
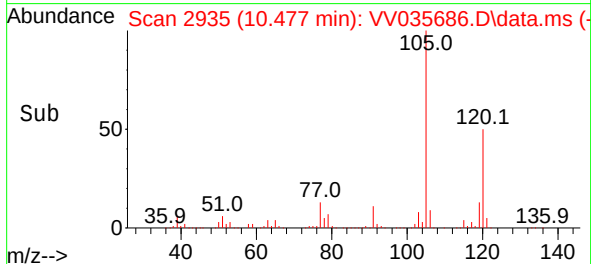
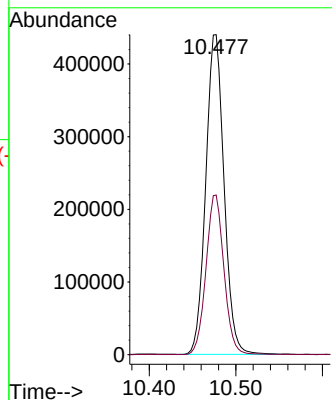
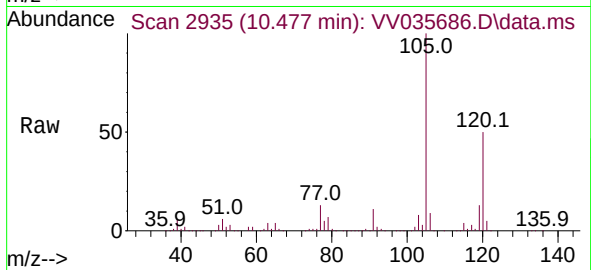
ClientSampleId :

Tgt Ion:105 Resp: 645561

Ion Ratio Lower Upper

105 100

120 49.1 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 22.567 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV035686.D

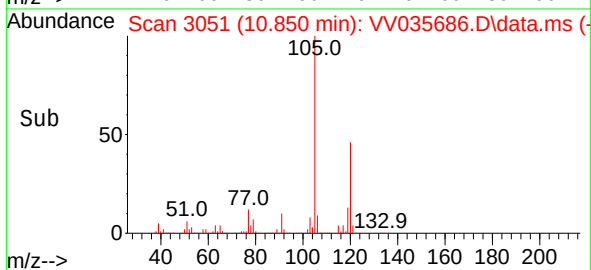
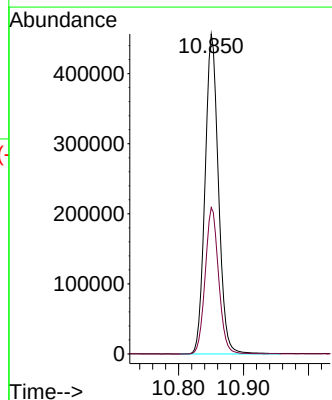
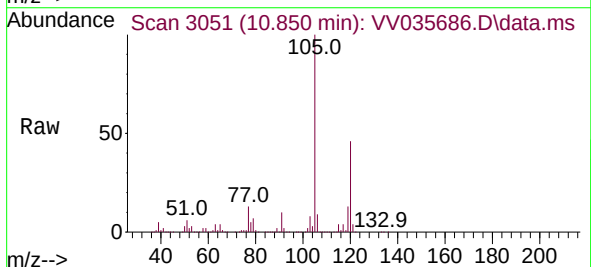
Acq: 22 May 2024 19:18

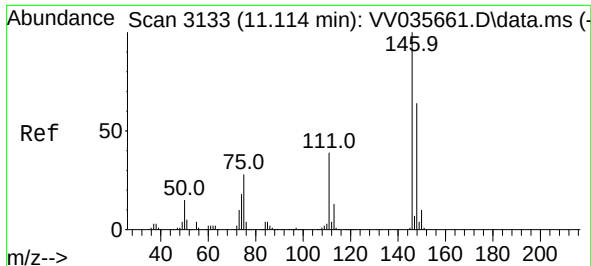
Tgt Ion:105 Resp: 657106

Ion Ratio Lower Upper

105 100

120 45.8 36.6 55.0

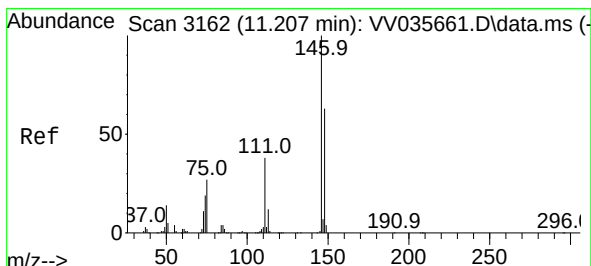
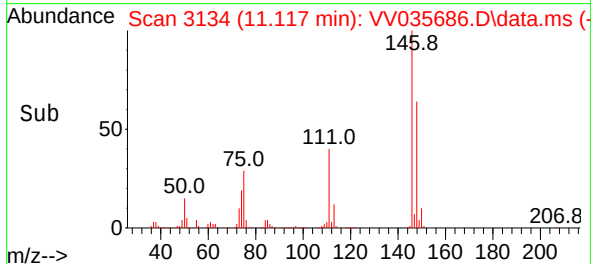
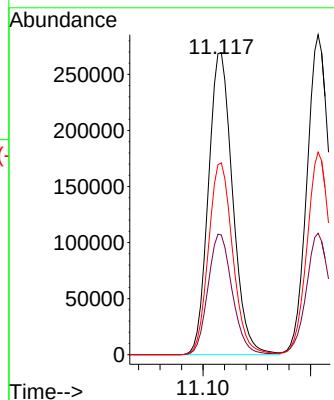
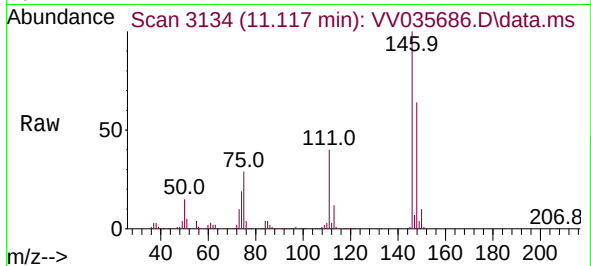




#64
1,3-Dichlorobenzene
Concen: 22.282 ug/L
RT: 11.117 min Scan# 3133
Delta R.T. 0.003 min
Lab File: VV035686.D
Acq: 22 May 2024 19:18

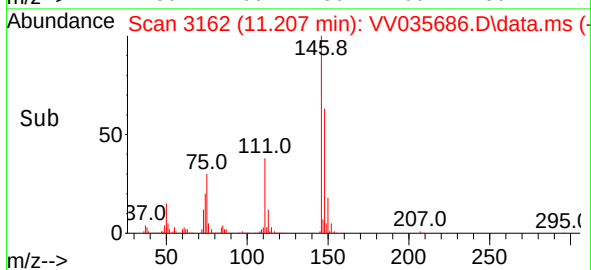
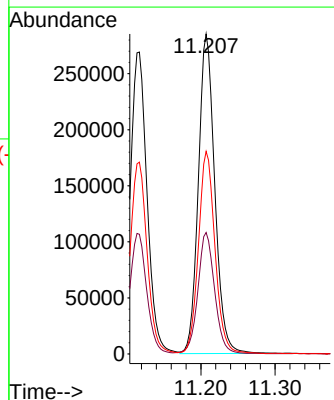
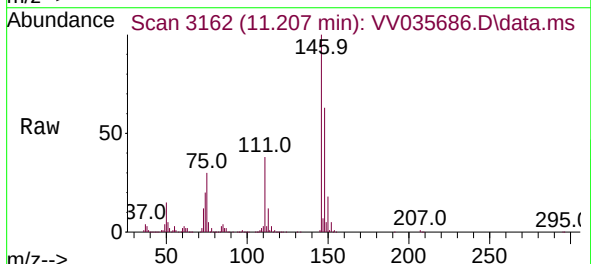
Instrument :
MSVOA_V
ClientSampleId :

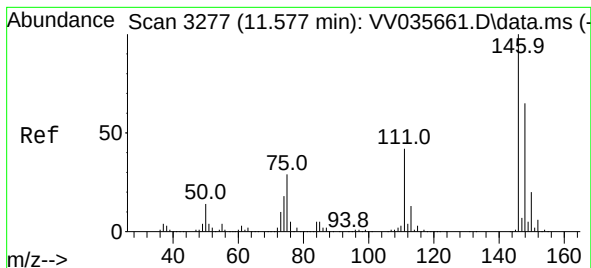
Tgt Ion:146 Resp: 422388
Ion Ratio Lower Upper
146 100
111 39.6 27.0 50.2
148 63.5 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 22.372 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. -0.000 min
Lab File: VV035686.D
Acq: 22 May 2024 19:18

Tgt Ion:146 Resp: 439029
Ion Ratio Lower Upper
146 100
111 38.0 26.2 48.6
148 63.3 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 22.589 ug/L

RT: 11.577 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV035686.D

Acq: 22 May 2024 19:18

Instrument :

MSVOA_V

ClientSampleId :

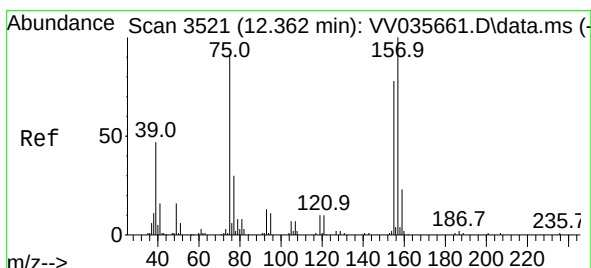
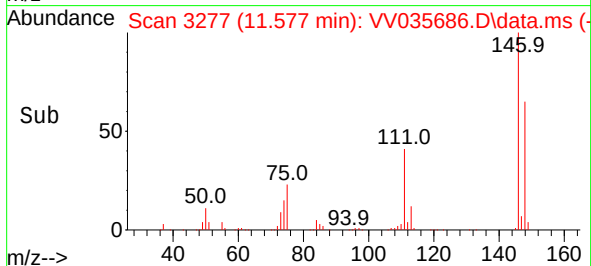
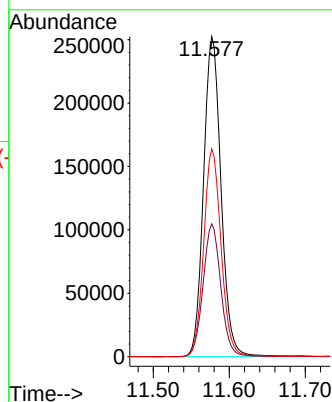
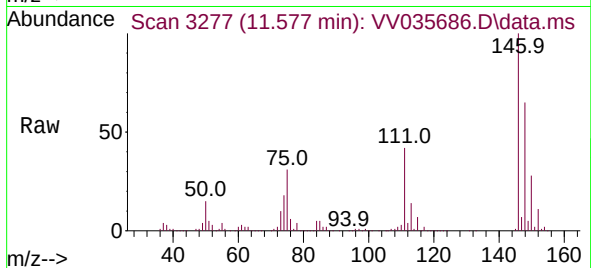
Tgt Ion:146 Resp: 403066

Ion Ratio Lower Upper

146 100

111 41.5 32.6 48.8

148 64.9 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 24.071 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.003 min

Lab File: VV035686.D

Acq: 22 May 2024 19:18

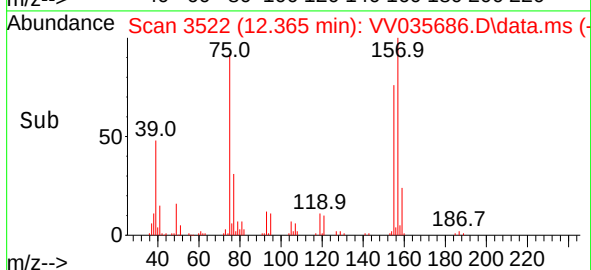
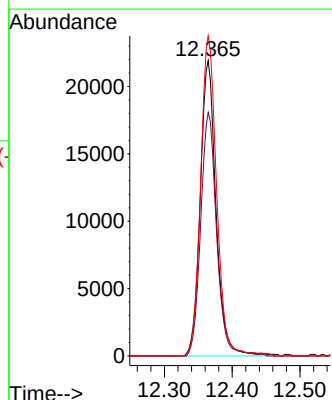
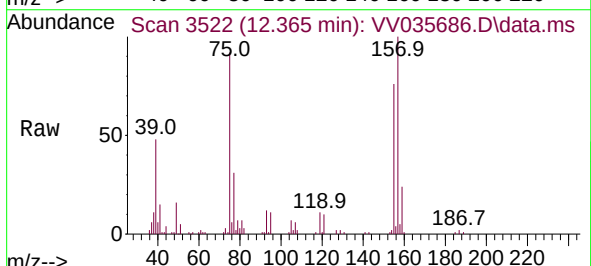
Tgt Ion: 75 Resp: 35473

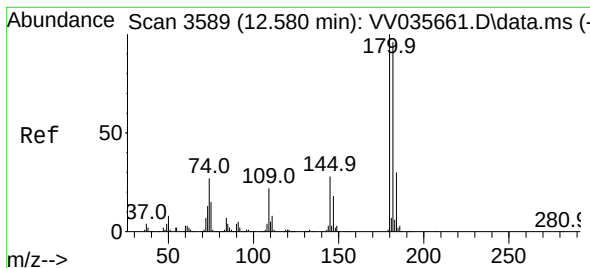
Ion Ratio Lower Upper

75 100

155 82.4 69.8 104.6

157 108.3 95.0 142.6





#69

1,3,5-Trichlorobenzene

Concen: 20.424 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

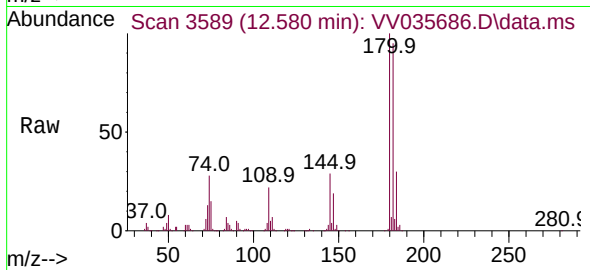
Lab File: VV035686.D

Acq: 22 May 2024 19:18

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 302541

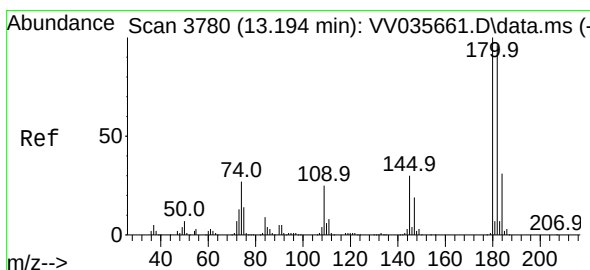
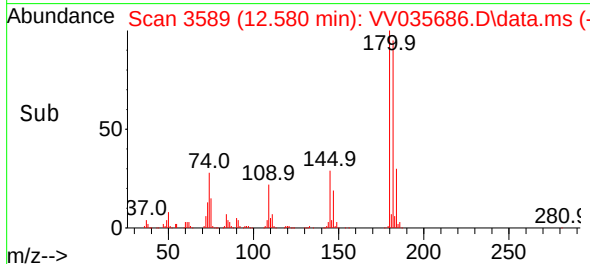
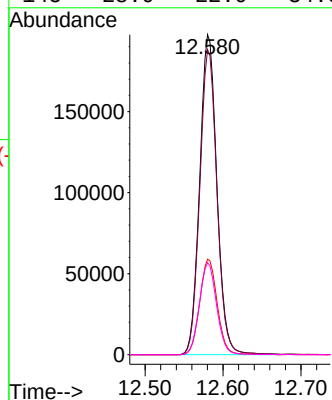
Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.2

184 30.2 24.1 36.1

145 28.9 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 19.826 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV035686.D

Acq: 22 May 2024 19:18

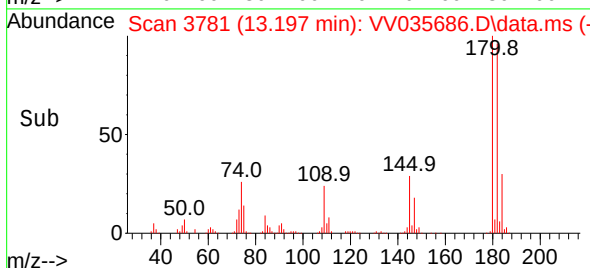
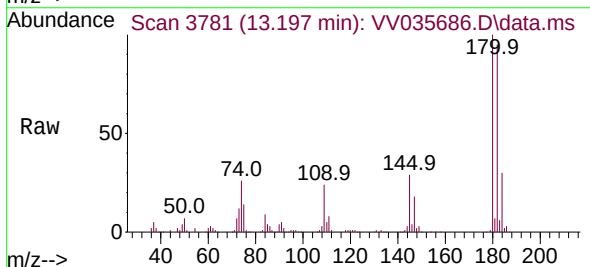
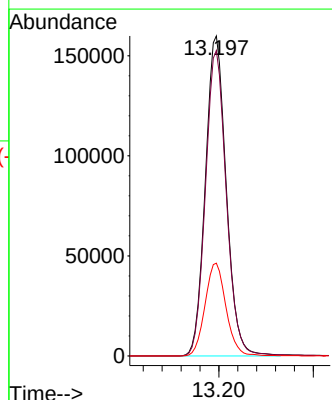
Tgt Ion:180 Resp: 245234

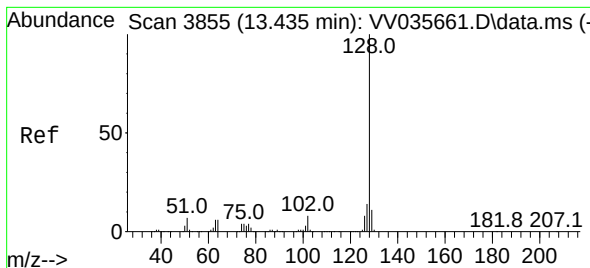
Ion Ratio Lower Upper

180 100

182 95.3 76.6 114.8

145 29.1 23.2 34.8





#71

Naphthalene

Concen: 19.757 ug/L

RT: 13.438 min Scan# 3855

Delta R.T. 0.003 min

Lab File: VV035686.D

Acq: 22 May 2024 19:18

Instrument :

MSVOA_V

ClientSampleId :

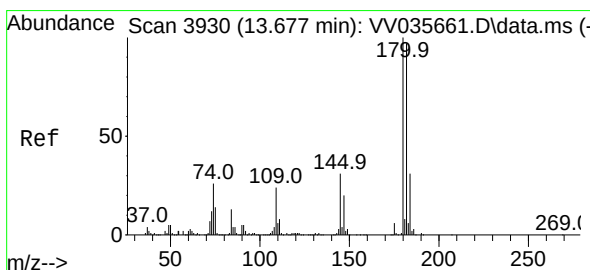
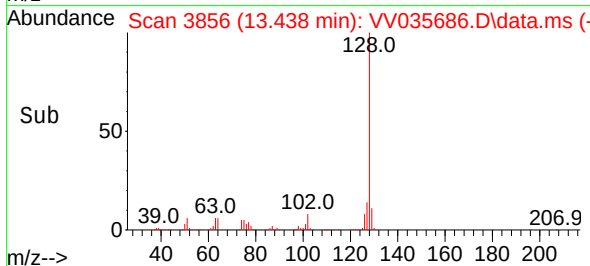
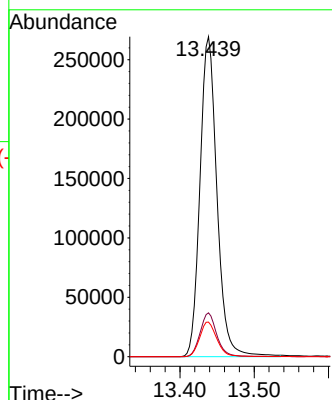
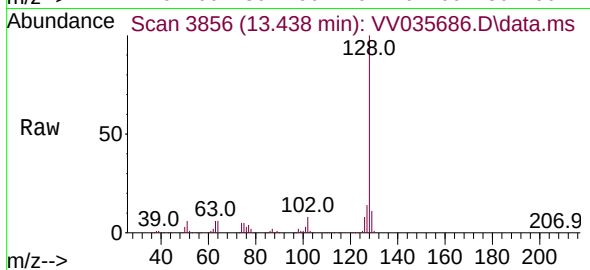
Tgt Ion:128 Resp: 429025

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 21.968 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. -0.000 min

Lab File: VV035686.D

Acq: 22 May 2024 19:18

Tgt Ion:180 Resp: 244443

Ion Ratio Lower Upper

180 100

182 96.1 75.8 113.6

145 31.8 25.2 37.8

