

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052324\
 Data File : VV035688.D
 Acq On : 23 May 2024 09:02
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 24 01:38:53 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	5.529	114	545886	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	541187	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	297973	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	137133	16.253	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.000%
7) Chloroethane-d5	1.526	69	126458	18.579	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.320%
11) 1,1-Dichloroethene-d2	2.050	65	66035	17.679	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.720%
21) 2-Butanone-d5	3.828	46	124580	52.029	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.060%
24) Chloroform-d	4.239	84	362376	22.329	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.320%
26) 1,2-Dichloroethane-d4	4.934	65	180583	22.508	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.040%
32) Benzene-d6	4.953	84	623121	21.034	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.120%
36) 1,2-Dichloropropane-d6	5.982	67	211626	23.148	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.600%
41) Toluene-d8	7.239	98	554839	21.044	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.160%
43) trans-1,3-Dichloroprop...	7.551	79	87181	22.297	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.200%
47) 2-Hexanone-d5	8.027	63	87614	53.295	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.600%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	214059	24.298	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.200%
66) 1,2-Dichlorobenzene-d4	11.557	152	241574	23.361	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	241658	21.774	ug/L	100
3) Chloromethane	1.211	50	226282	20.307	ug/L	99
5) Vinyl chloride	1.278	62	262695	22.819	ug/L	100
6) Bromomethane	1.484	94	159755	21.917	ug/L	99
8) Chloroethane	1.545	64	167440	23.595	ug/L	97
9) Trichlorofluoromethane	1.706	101	377013	25.091	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	251199	26.497	ug/L	99
12) 1,1-Dichloroethene	2.063	96	210478	24.579	ug/L	96
13) Acetone	2.384	43	98283	28.040	ug/L	71
14) Carbon disulfide	2.230	76	537860	19.830	ug/L	99
15) Methyl Acetate	2.384	43	107131	20.174	ug/L	91
16) Methylene chloride	2.439	84	275083	21.853	ug/L	96
17) trans-1,2-Dichloroethene	2.686	96	227221	23.902	ug/L	99
18) Methyl tert-butyl Ether	2.699	73	614930	26.816	ug/L	99
19) 1,1-Dichloroethane	3.101	63	471933	26.480	ug/L	99
20) cis-1,2-Dichloroethene	3.805	96	258360	25.070	ug/L	99
22) 2-Butanone	3.902	43	126839	38.967	ug/L	97
23) Bromochloromethane	4.140	128	126622	25.403	ug/L	95
25) Chloroform	4.265	83	488409	26.539	ug/L	100

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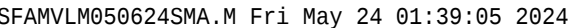
Instrument :
 MSVOA_V
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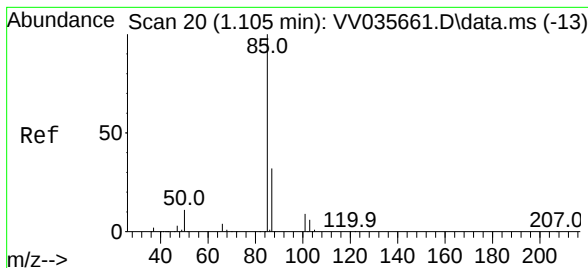
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	302328	26.381	ug/L	99
29) Cyclohexane	4.574	56	336556	26.006	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	418115	27.864	ug/L	99
31) Carbon tetrachloride	4.725	117	362317	27.519	ug/L	99
33) Benzene	5.002	78	972288	27.145	ug/L	100
34) Trichloroethene	5.825	95	286484	28.276	ug/L	99
35) Methylcyclohexane	6.043	83	400862	26.061	ug/L	98
37) 1,2-Dichloropropane	6.088	63	271899	29.096	ug/L	100
38) Bromodichloromethane	6.426	83	356897	28.193	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	408023	27.916	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	312808	55.892	ug/L	98
42) Toluene	7.310	91	1054534	27.820	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	360822	28.220	ug/L	100
45) 1,1,2-Trichloroethane	7.763	97	222554	28.029	ug/L	99
46) Tetrachloroethene	7.902	164	213326	25.917	ug/L	98
48) 2-Hexanone	8.075	43	235319	56.079	ug/L	97
49) Dibromochloromethane	8.172	129	249902	27.893	ug/L	98
50) 1,2-Dibromoethane	8.278	107	209915	26.836	ug/L	99
51) Chlorobenzene	8.808	112	707105	26.885	ug/L	99
52) Ethylbenzene	8.943	91	1188014	28.387	ug/L	100
53) m,p-Xylene	9.069	106	450801	28.391	ug/L	99
54) o-Xylene	9.474	106	430394	28.600	ug/L	100
55) Styrene	9.490	104	784482	29.888	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.175	83	233409	24.132	ug/L	99
59) Bromoform	9.660	173	164514	28.094	ug/L	99
60) Isopropylbenzene	9.863	105	1219074	30.713	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	201308	28.831	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	984907	31.631	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	989416	30.922	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	602436	28.921	ug/L	100
65) 1,4-Dichlorobenzene	11.204	146	616279	28.579	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	564828	28.806	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	45864	28.322	ug/L	94
69) 1,3,5-Trichlorobenzene	12.580	180	468995	28.812	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	395782	29.118	ug/L	99
71) Naphthalene	13.435	128	689351	28.889	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	370277	30.282	ug/L	99

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

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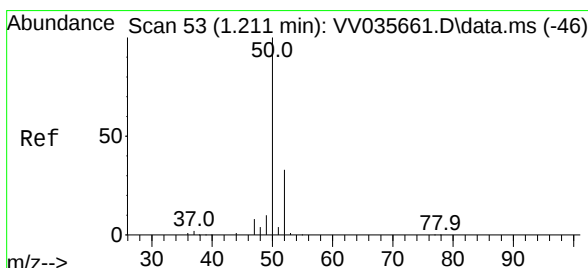
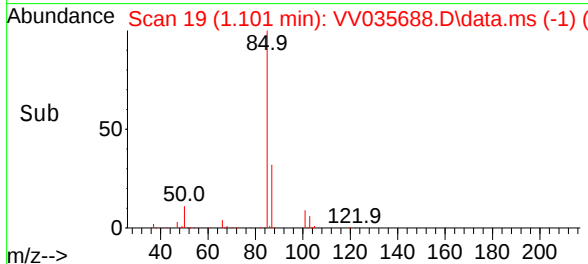
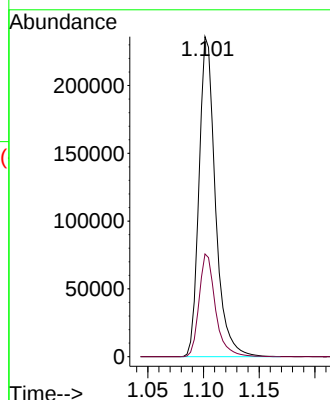
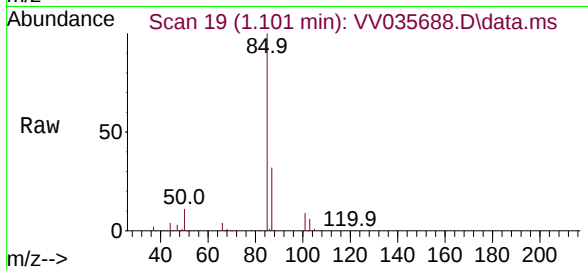




#2
 Dichlorodifluoromethane
 Concen: 21.774 ug/L
 RT: 1.101 min Scan# 19
 Delta R.T. -0.003 min
 Lab File: VV035688.D
 Acq: 23 May 2024 09:02

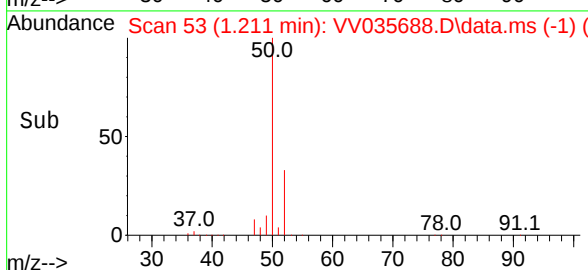
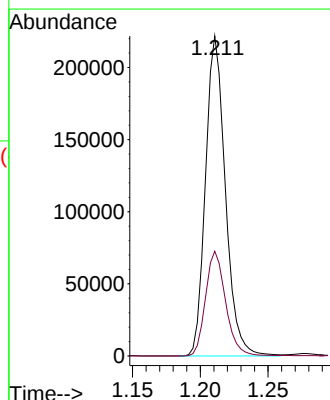
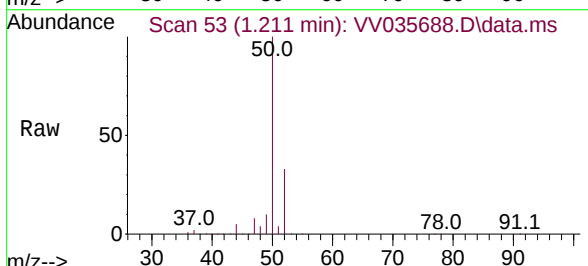
Instrument :
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 ClientSampleId :

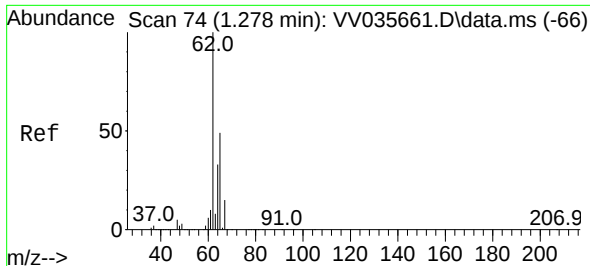
Tgt Ion: 85 Resp: 241658
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.8 38.6



#3
 Chloromethane
 Concen: 20.307 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. -0.000 min
 Lab File: VV035688.D
 Acq: 23 May 2024 09:02

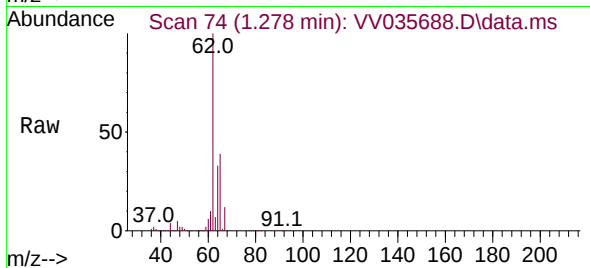
Tgt Ion: 50 Resp: 226282
 Ion Ratio Lower Upper
 50 100
 52 32.8 22.7 42.1



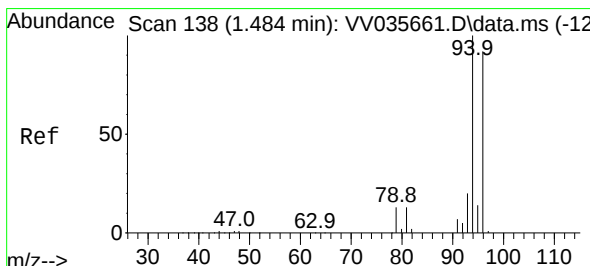
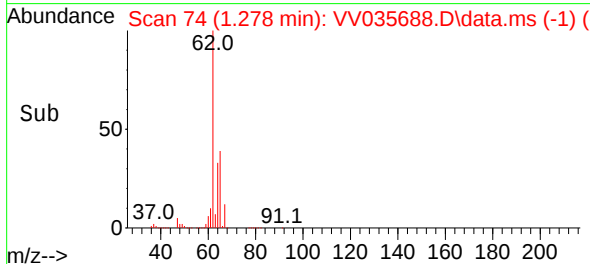
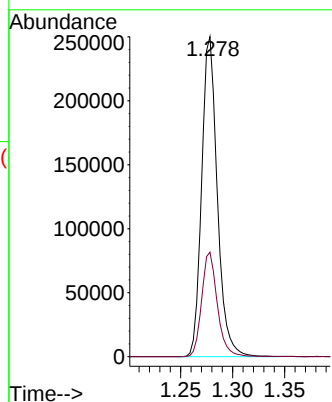


#5
 Vinyl chloride
 Concen: 22.819 ug/L
 RT: 1.278 min Scan# 74
 Delta R.T. -0.000 min
 Lab File: VV035688.D
 Acq: 23 May 2024 09:02

Instrument :
 MSVOA_V
 ClientSampleId :

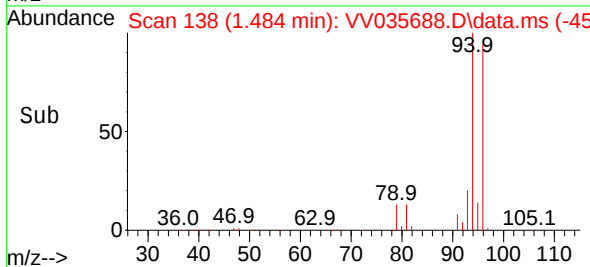
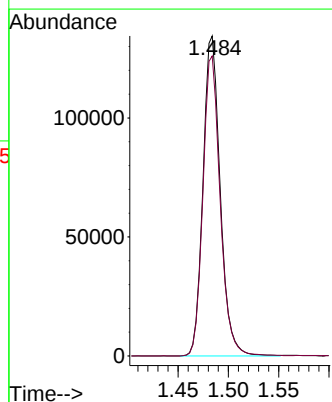
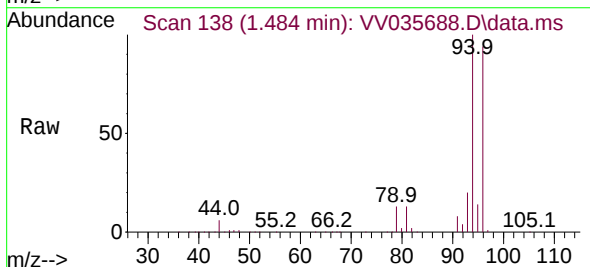


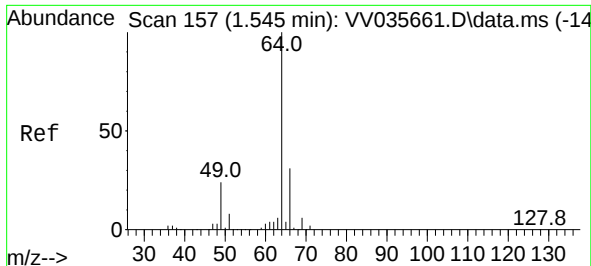
Tgt Ion: 62 Resp: 262695
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.0 42.6



#6
 Bromomethane
 Concen: 21.917 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VV035688.D
 Acq: 23 May 2024 09:02

Tgt Ion: 94 Resp: 159755
 Ion Ratio Lower Upper
 94 100
 96 93.8 65.2 121.0

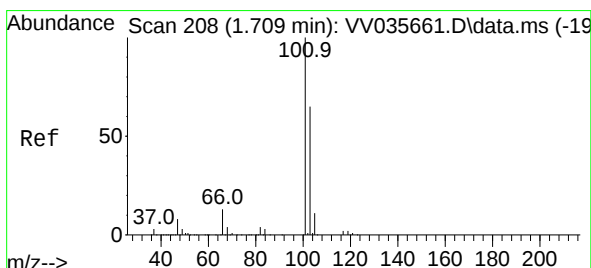
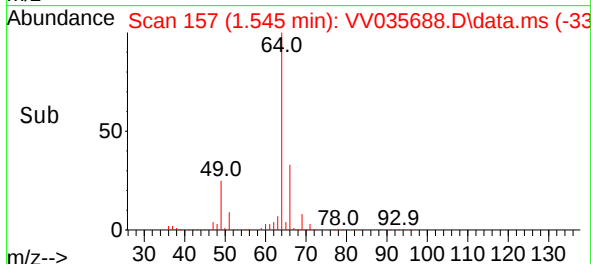
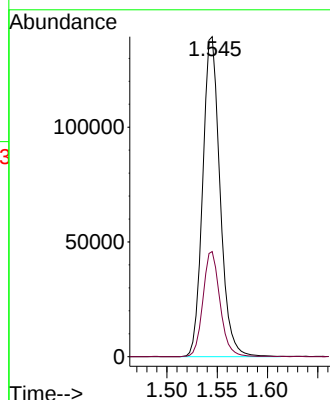
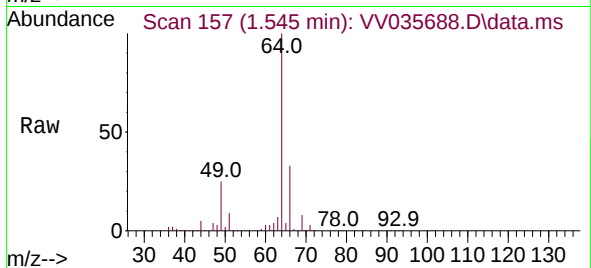




#8
Chloroethane
Concen: 23.595 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV035688.D
Acq: 23 May 2024 09:02

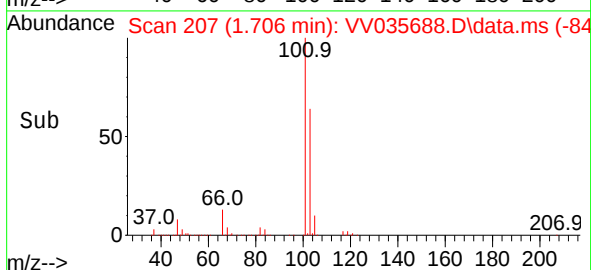
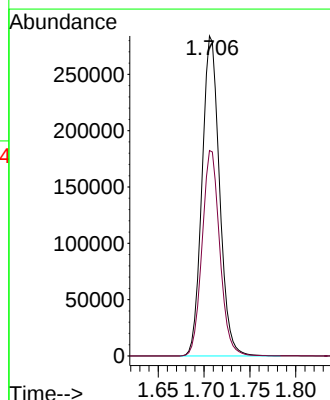
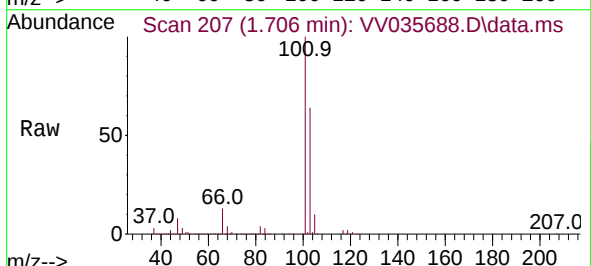
Instrument :
MSVOA_V
ClientSampleId :

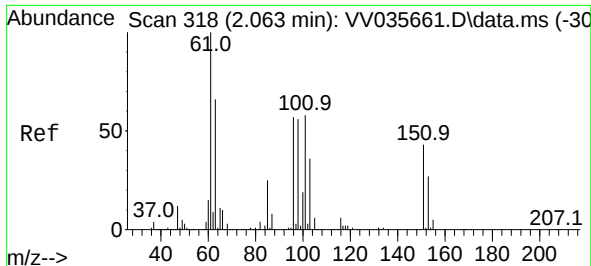
Tgt Ion: 64 Resp: 167440
Ion Ratio Lower Upper
64 100
66 32.9 22.0 40.8



#9
Trichlorofluoromethane
Concen: 25.091 ug/L
RT: 1.706 min Scan# 207
Delta R.T. -0.003 min
Lab File: VV035688.D
Acq: 23 May 2024 09:02

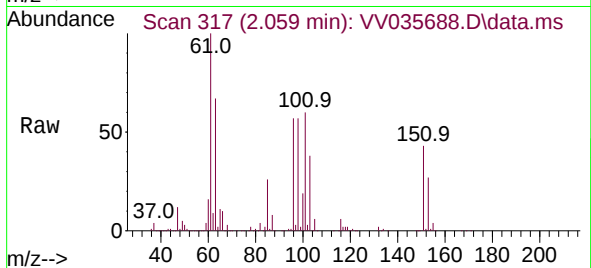
Tgt Ion:101 Resp: 377013
Ion Ratio Lower Upper
101 100
103 64.9 51.5 77.3



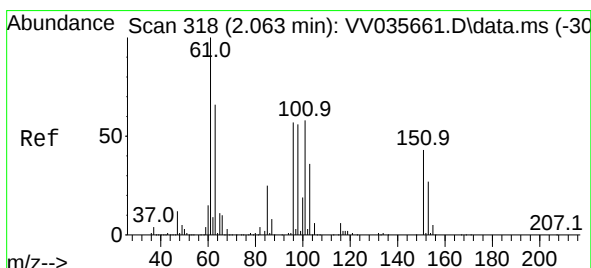
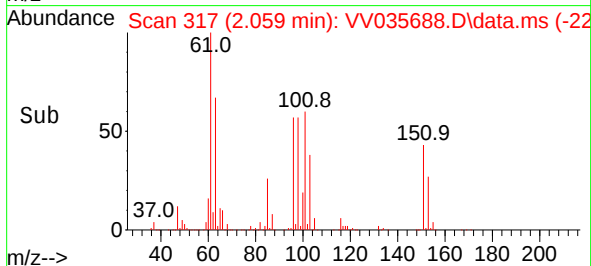
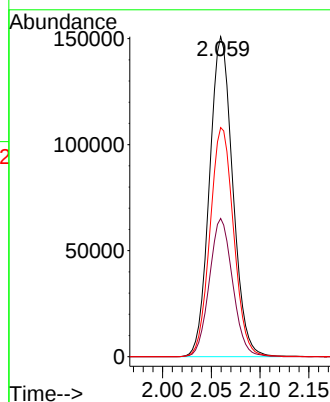


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 26.497 ug/L
RT: 2.059 min Scan# 317
Delta R.T. -0.003 min
Lab File: VV035688.D
Acq: 23 May 2024 09:02

Instrument :
MSVOA_V
ClientSampleId :

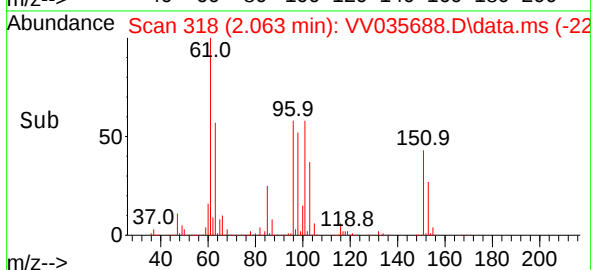
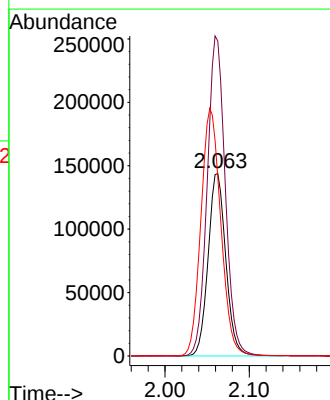
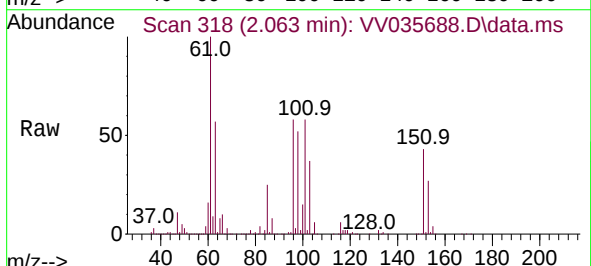


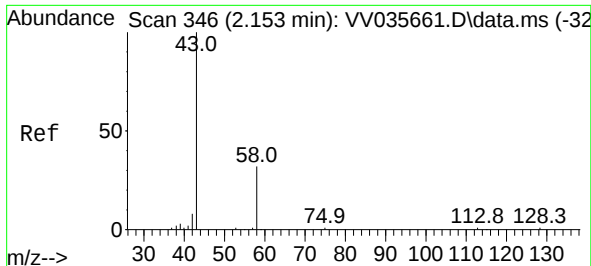
Tgt Ion:101 Resp: 251199
Ion Ratio Lower Upper
101 100
85 43.1 34.2 51.4
151 72.7 59.5 89.3



#12
1,1-Dichloroethene
Concen: 24.579 ug/L
RT: 2.063 min Scan# 318
Delta R.T. -0.000 min
Lab File: VV035688.D
Acq: 23 May 2024 09:02

Tgt Ion: 96 Resp: 210478
Ion Ratio Lower Upper
96 100
61 172.4 119.8 222.4
63 97.9 75.6 140.4





#13

Acetone

Concen: 28.040 ug/L

RT: 2.384 min Scan# 41

Delta R.T. 0.231 min

Lab File: VV035688.D

Acq: 23 May 2024 09:02

Instrument :

MSVOA_V

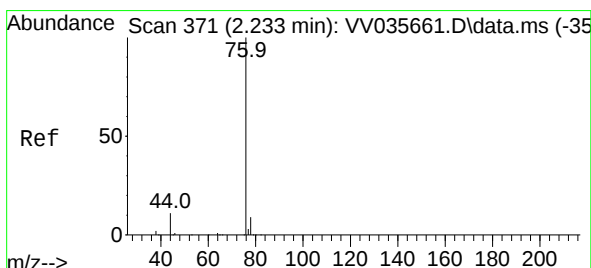
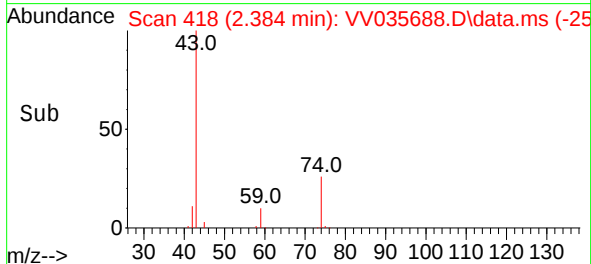
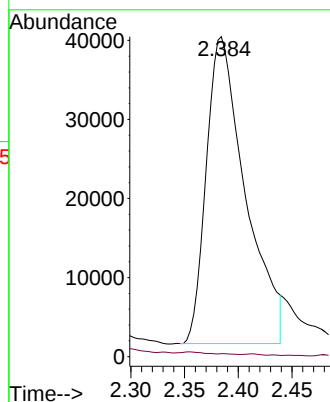
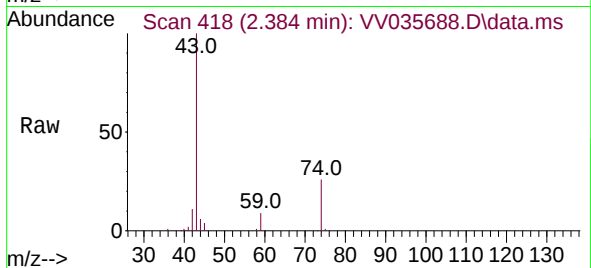
ClientSampleId :

Tgt Ion: 43 Resp: 98283

Ion Ratio Lower Upper

43 100

58 0.1 0.0 22.8



#14

Carbon disulfide

Concen: 19.830 ug/L

RT: 2.230 min Scan# 370

Delta R.T. -0.003 min

Lab File: VV035688.D

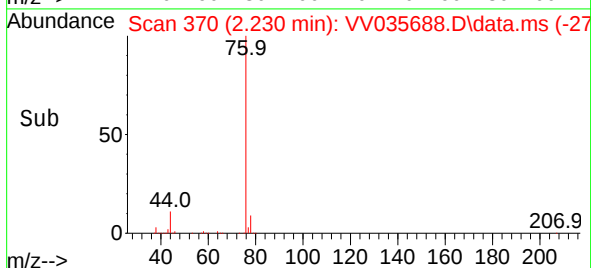
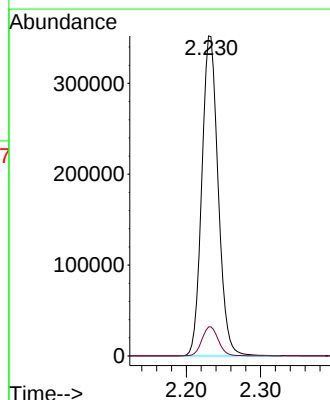
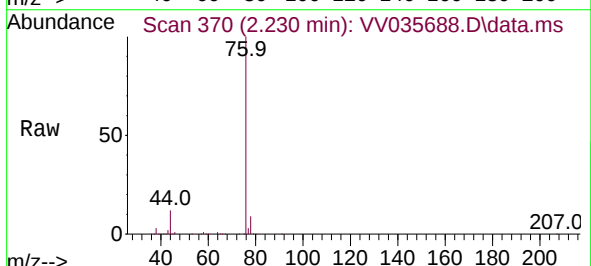
Acq: 23 May 2024 09:02

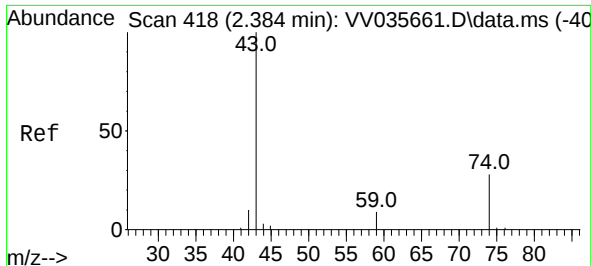
Tgt Ion: 76 Resp: 537860

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3





#15

Methyl Acetate

Concen: 20.174 ug/L

RT: 2.384 min Scan# 418

Delta R.T. -0.000 min

Lab File: VV035688.D

Acq: 23 May 2024 09:02

Instrument :

MSVOA_V

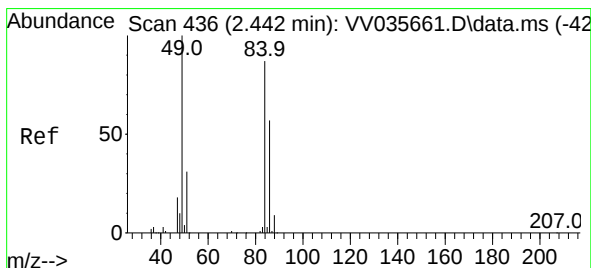
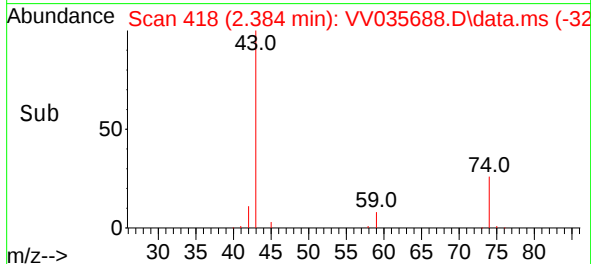
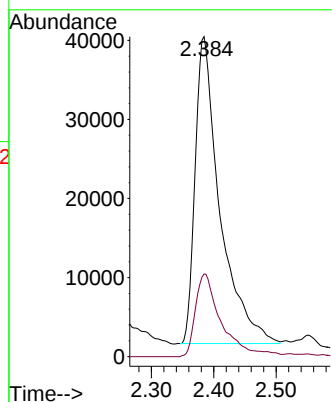
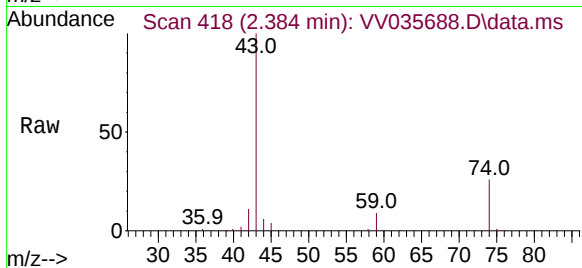
ClientSampleId :

Tgt Ion: 43 Resp: 107131

Ion Ratio Lower Upper

43 100

74 27.4 18.6 27.8



#16

Methylene chloride

Concen: 21.853 ug/L

RT: 2.439 min Scan# 435

Delta R.T. -0.003 min

Lab File: VV035688.D

Acq: 23 May 2024 09:02

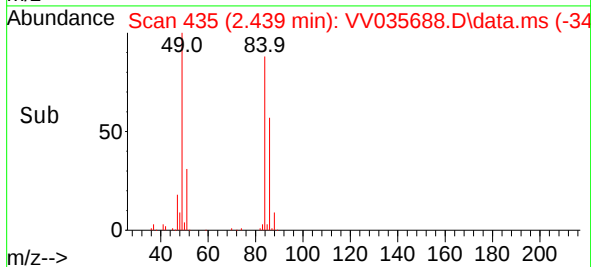
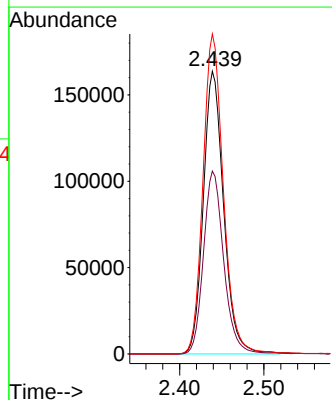
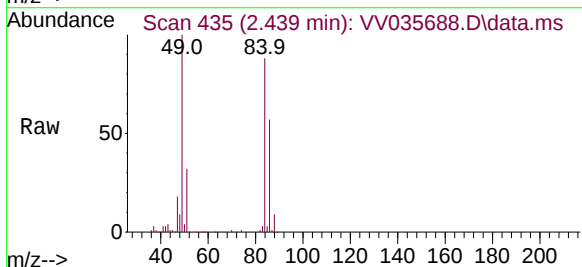
Tgt Ion: 84 Resp: 275083

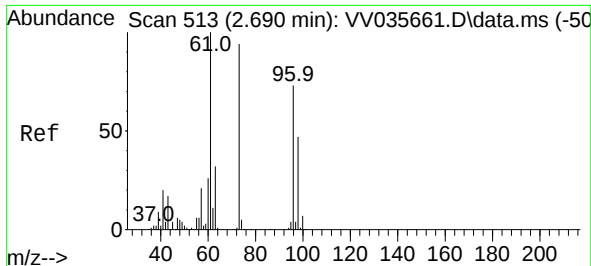
Ion Ratio Lower Upper

84 100

86 64.7 43.8 81.3

49 113.2 75.3 139.9





#17

trans-1,2-Dichloroethene

Concen: 23.902 ug/L

RT: 2.686 min Scan# 513

Delta R.T. -0.003 min

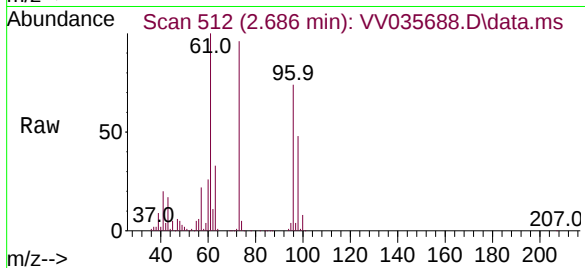
Lab File: VV035688.D

Acq: 23 May 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :



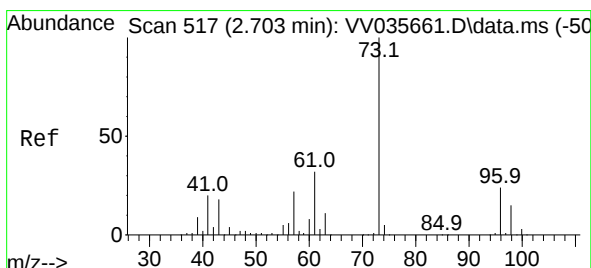
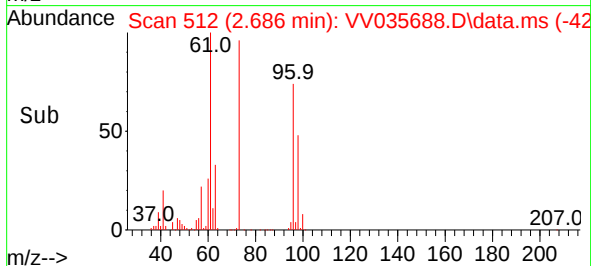
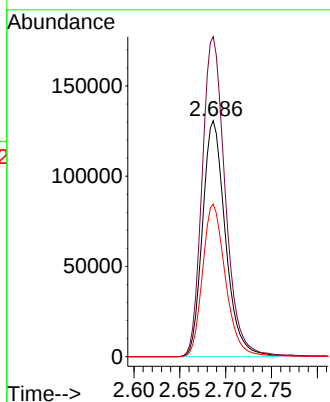
Tgt Ion: 96 Resp: 227221

Ion Ratio Lower Upper

96 100

61 135.6 95.5 177.4

98 64.7 46.0 85.4



#18

Methyl tert-butyl Ether

Concen: 26.816 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.003 min

Lab File: VV035688.D

Acq: 23 May 2024 09:02

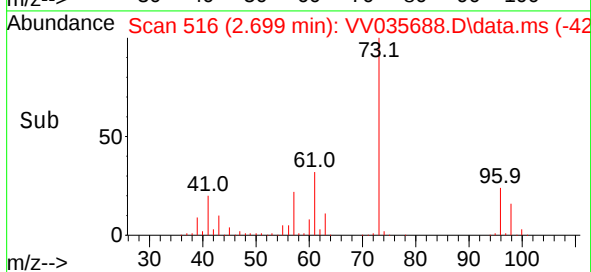
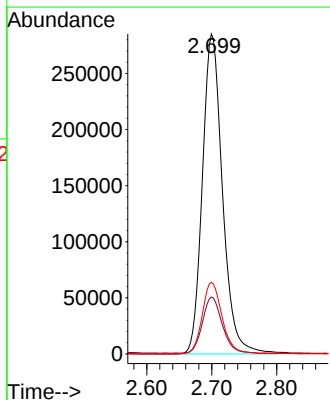
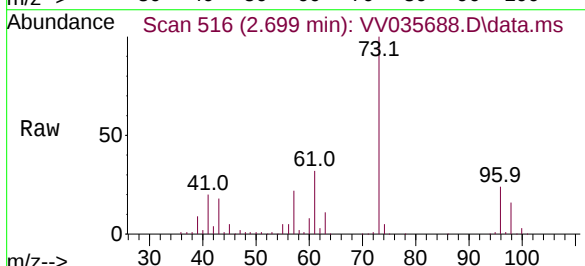
Tgt Ion: 73 Resp: 614930

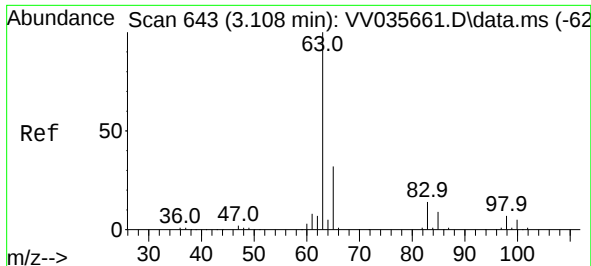
Ion Ratio Lower Upper

73 100

43 17.0 13.3 19.9

57 22.2 17.4 26.2





#19

1,1-Dichloroethane

Concen: 26.480 ug/L

RT: 3.101 min Scan# 64

Delta R.T. -0.007 min

Lab File: VV035688.D

Acq: 23 May 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :

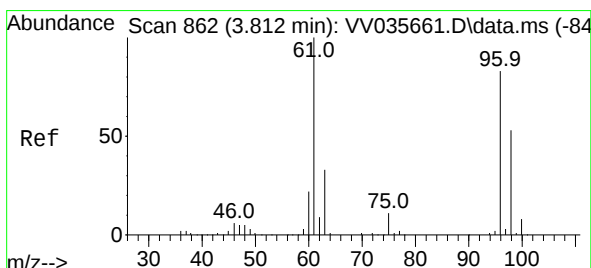
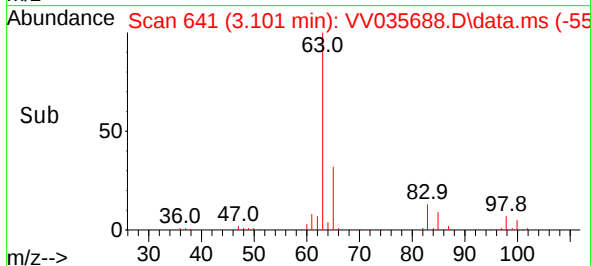
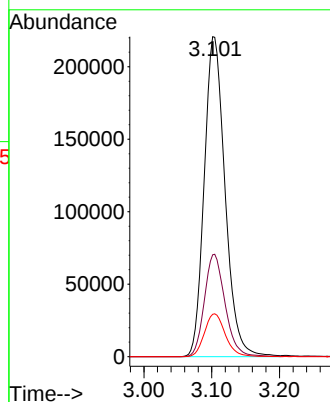
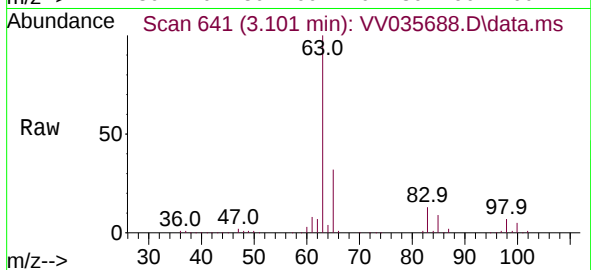
Tgt Ion: 63 Resp: 471933

Ion Ratio Lower Upper

63 100

65 31.9 22.7 42.3

83 13.3 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 25.070 ug/L

RT: 3.805 min Scan# 860

Delta R.T. -0.007 min

Lab File: VV035688.D

Acq: 23 May 2024 09:02

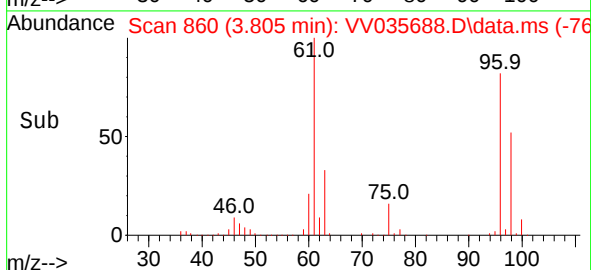
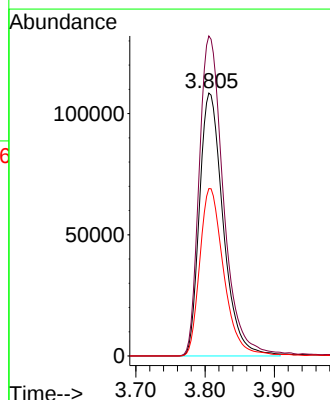
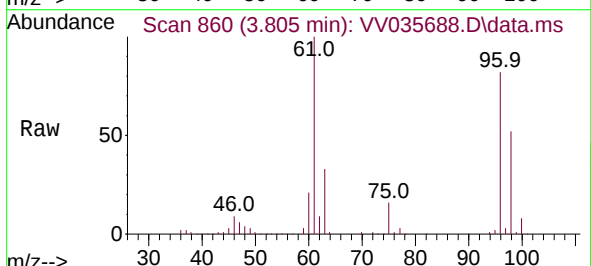
Tgt Ion: 96 Resp: 258360

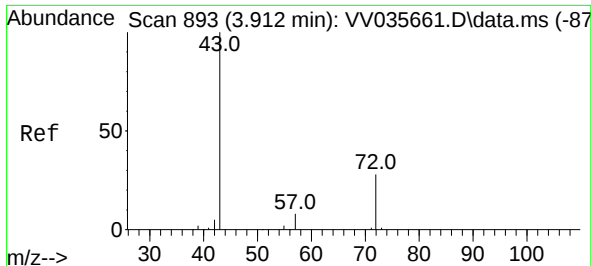
Ion Ratio Lower Upper

96 100

61 121.7 83.9 155.9

98 63.7 44.0 81.8





#22

2-Butanone

Concen: 38.967 ug/L

RT: 3.902 min Scan# 893

Delta R.T. -0.010 min

Lab File: VV035688.D

Acq: 23 May 2024 09:02

Instrument :

MSVOA_V

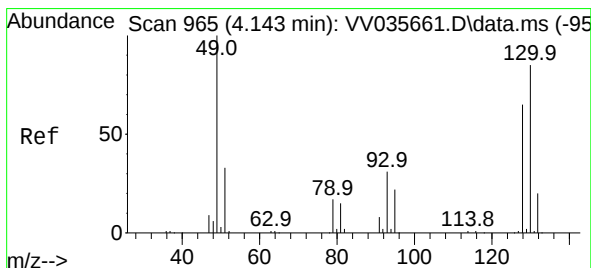
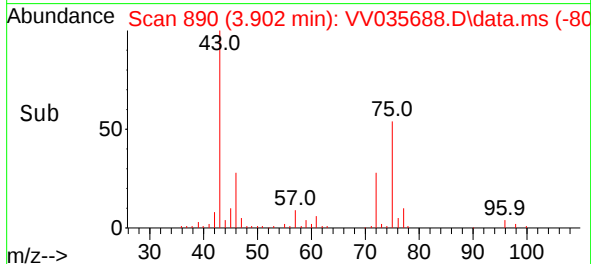
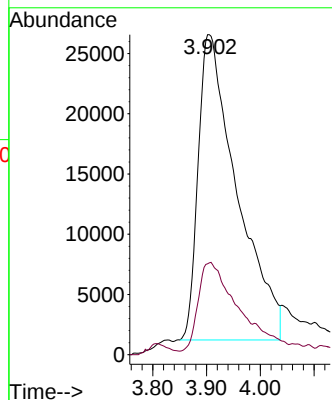
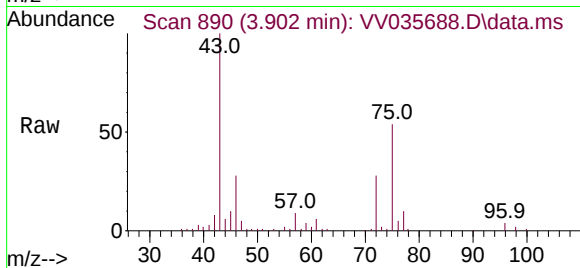
ClientSampleId :

Tgt Ion: 43 Resp: 126839

Ion Ratio Lower Upper

43 100

72 26.1 12.3 36.9



#23

Bromochloromethane

Concen: 25.403 ug/L

RT: 4.140 min Scan# 964

Delta R.T. -0.003 min

Lab File: VV035688.D

Acq: 23 May 2024 09:02

Tgt Ion:128 Resp: 126622

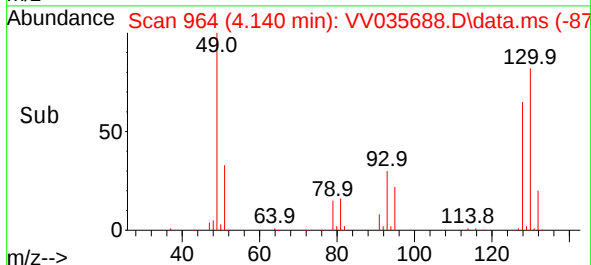
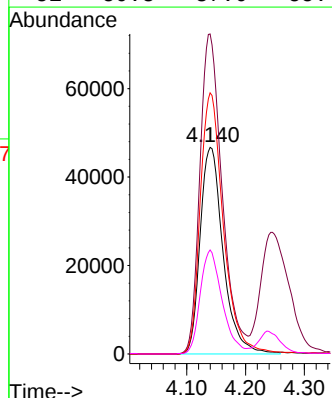
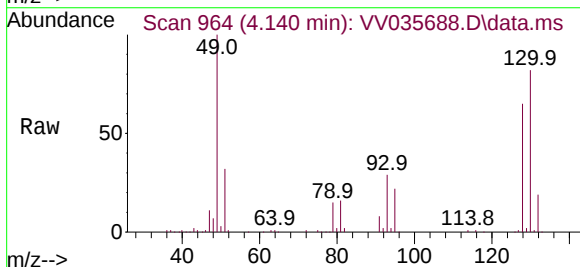
Ion Ratio Lower Upper

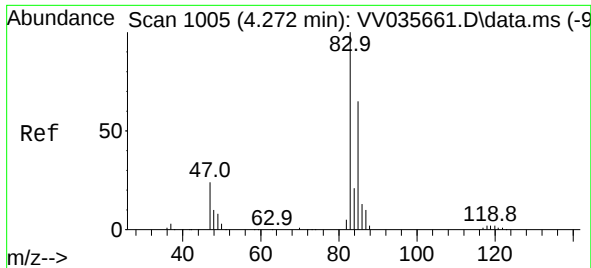
128 100

49 154.9 103.1 191.5

130 126.4 91.8 170.4

51 50.3 37.0 55.4





#25

Chloroform

Concen: 26.539 ug/L

RT: 4.265 min Scan# 1

Delta R.T. -0.007 min

Lab File: VV035688.D

Acq: 23 May 2024 09:02

Instrument :

MSVOA_V

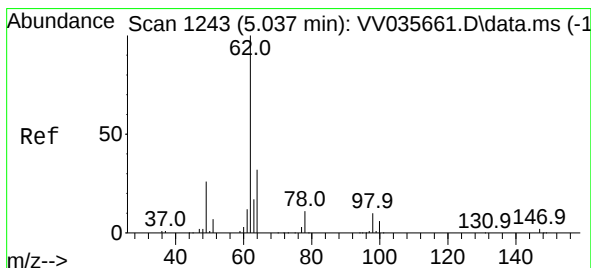
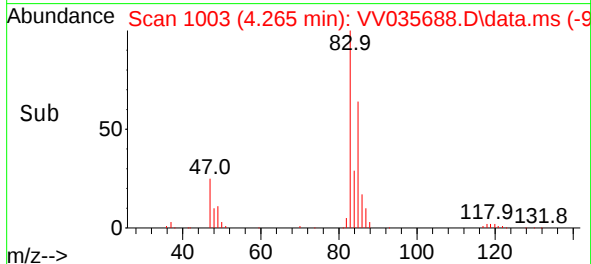
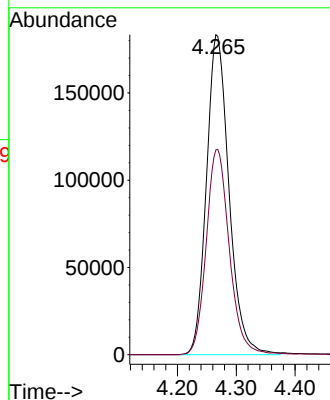
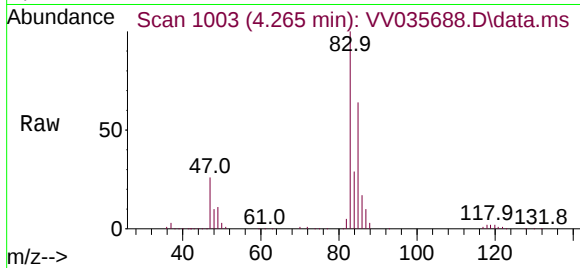
ClientSampleId :

Tgt Ion: 83 Resp: 488409

Ion Ratio Lower Upper

83 100

85 64.0 44.7 82.9



#27

1,2-Dichloroethane

Concen: 26.381 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. -0.003 min

Lab File: VV035688.D

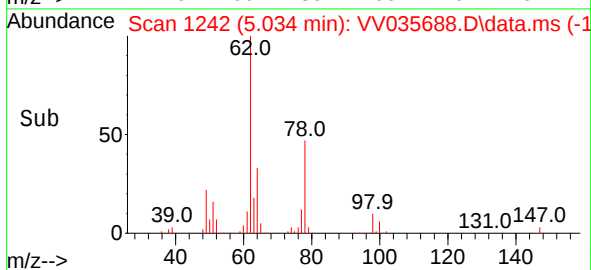
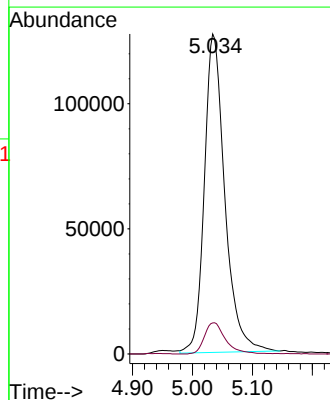
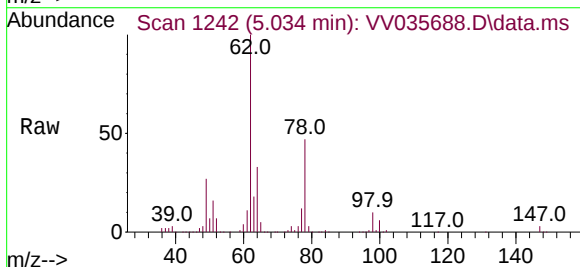
Acq: 23 May 2024 09:02

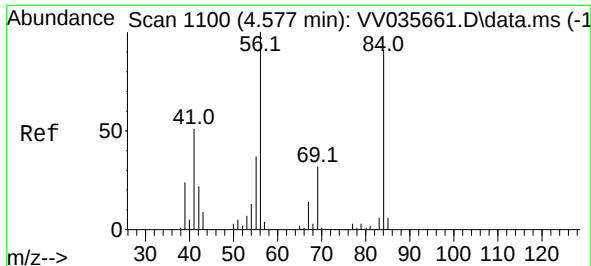
Tgt Ion: 62 Resp: 302328

Ion Ratio Lower Upper

62 100

98 9.7 8.2 12.2





#29

Cyclohexane

Concen: 26.006 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. -0.003 min

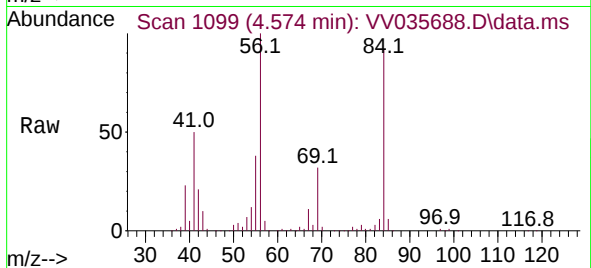
Lab File: VV035688.D

Acq: 23 May 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :



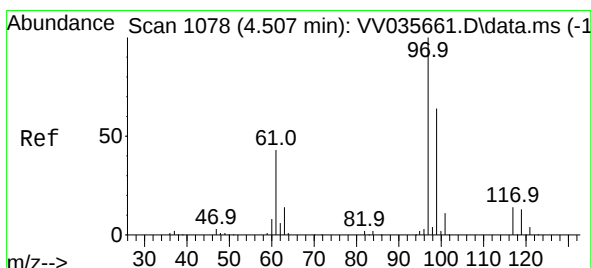
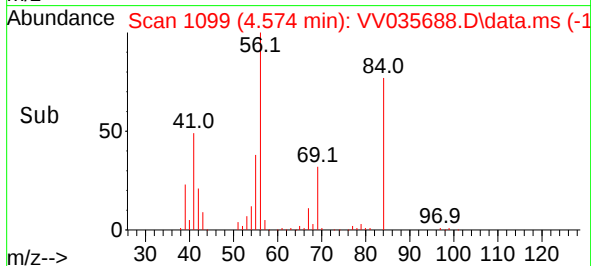
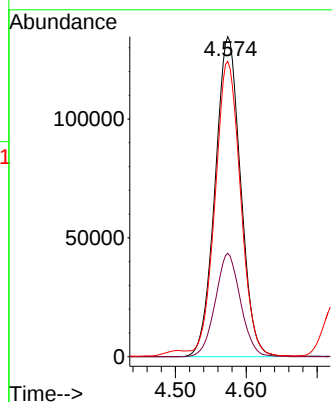
Tgt Ion: 56 Resp: 336556

Ion Ratio Lower Upper

56 100

69 31.9 25.6 38.4

84 91.8 74.8 112.2



#30

1,1,1-Trichloroethane

Concen: 27.864 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. -0.003 min

Lab File: VV035688.D

Acq: 23 May 2024 09:02

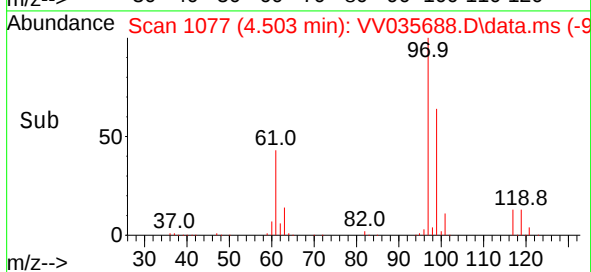
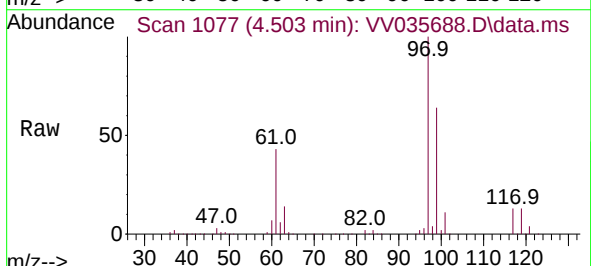
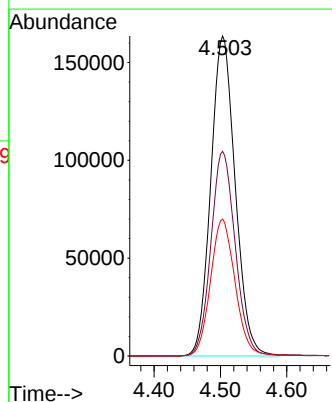
Tgt Ion: 97 Resp: 418115

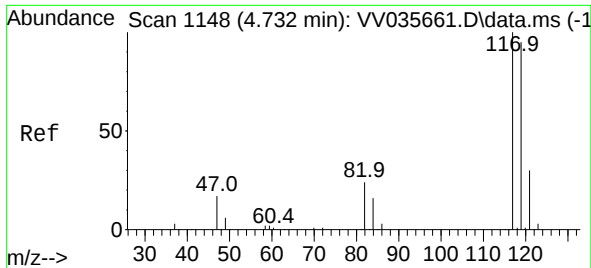
Ion Ratio Lower Upper

97 100

99 63.9 51.7 77.5

61 43.1 33.5 50.3

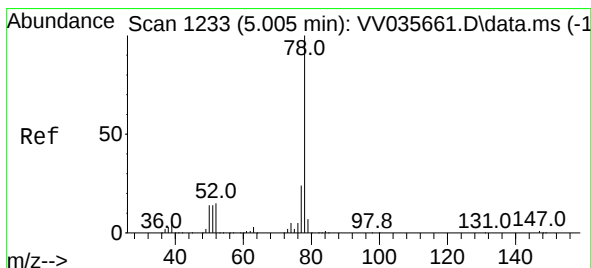
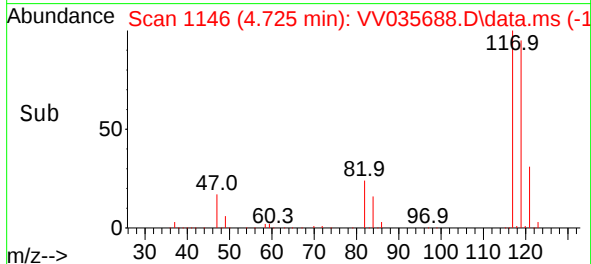
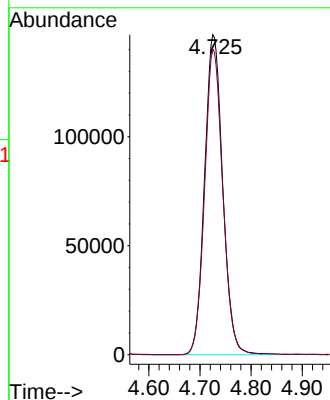
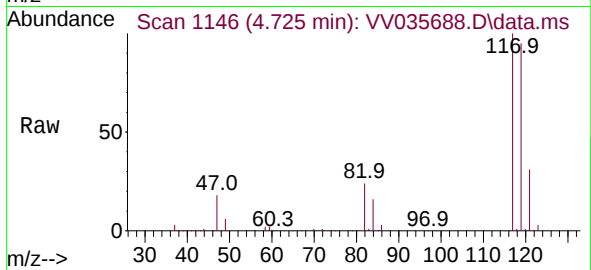




#31
Carbon tetrachloride
Concen: 27.519 ug/L
RT: 4.725 min Scan# 1146
Delta R.T. -0.007 min
Lab File: VV035688.D
Acq: 23 May 2024 09:02

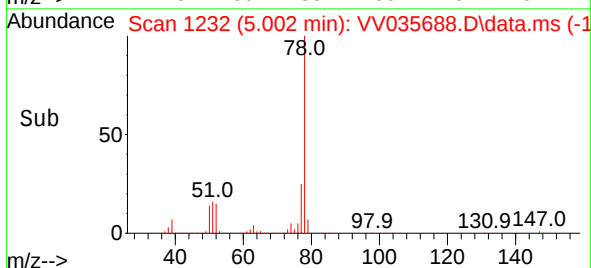
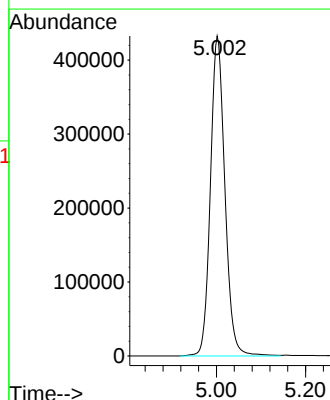
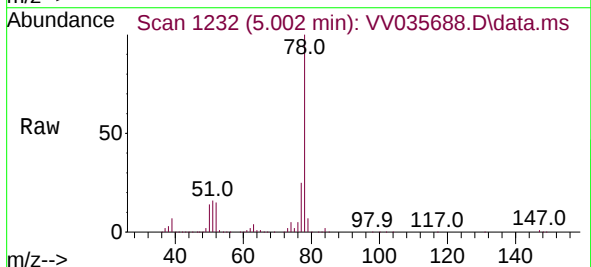
Instrument :
MSVOA_V
ClientSampleId :

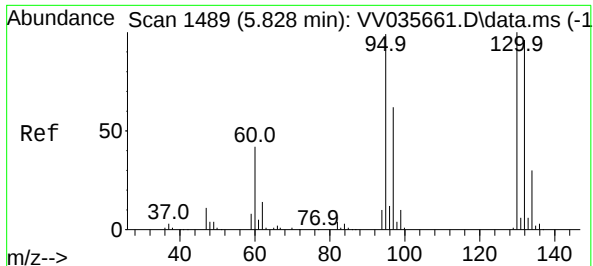
Tgt Ion:117 Resp: 362317
Ion Ratio Lower Upper
117 100
119 95.4 77.3 115.9



#33
Benzene
Concen: 27.145 ug/L
RT: 5.002 min Scan# 1232
Delta R.T. -0.003 min
Lab File: VV035688.D
Acq: 23 May 2024 09:02

Tgt Ion: 78 Resp: 972288





#34

Trichloroethene

Concen: 28.276 ug/L

RT: 5.825 min Scan# 1489

Delta R.T. -0.003 min

Lab File: VV035688.D

Acq: 23 May 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 286484

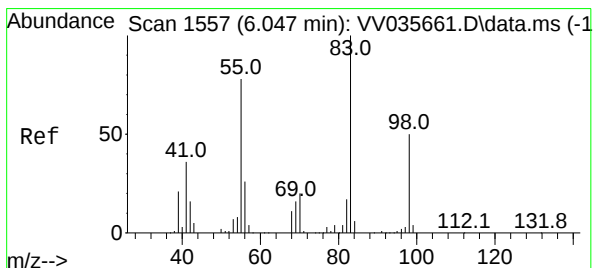
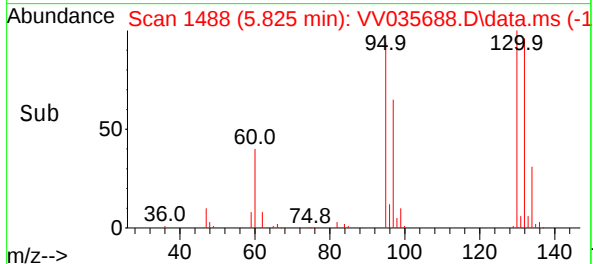
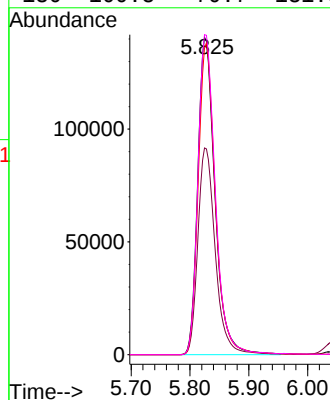
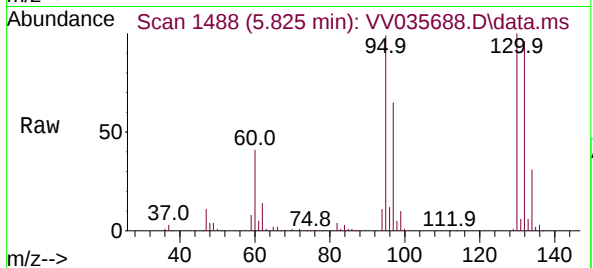
Ion Ratio Lower Upper

95 100

97 65.1 43.8 81.4

132 96.7 67.1 124.7

130 100.8 70.7 131.3



#35

Methylcyclohexane

Concen: 26.061 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. -0.003 min

Lab File: VV035688.D

Acq: 23 May 2024 09:02

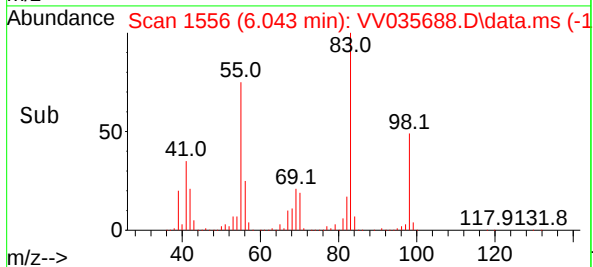
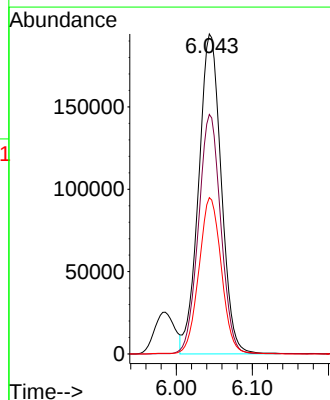
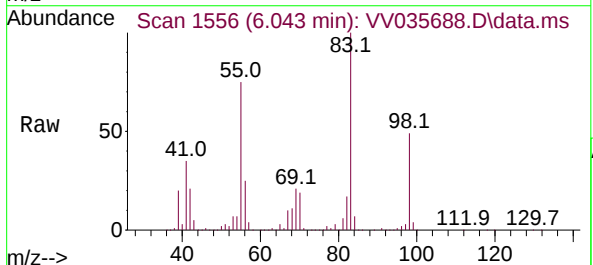
Tgt Ion: 83 Resp: 400862

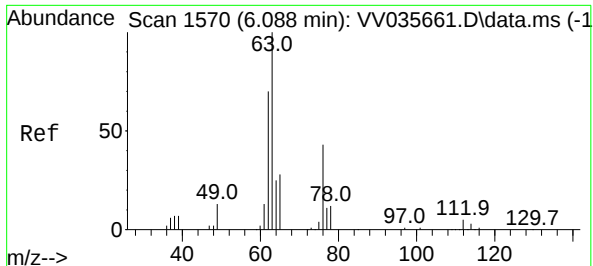
Ion Ratio Lower Upper

83 100

55 74.1 57.5 86.3

98 48.5 38.6 58.0

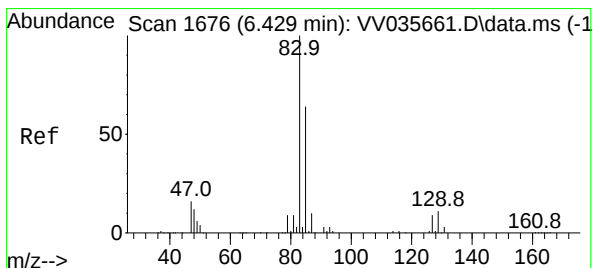
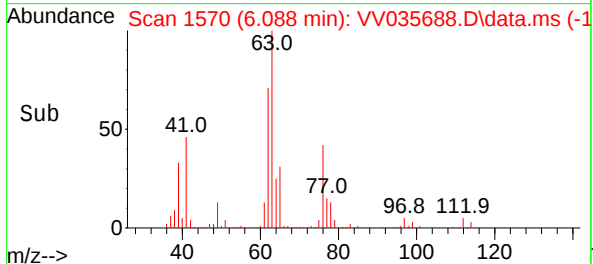
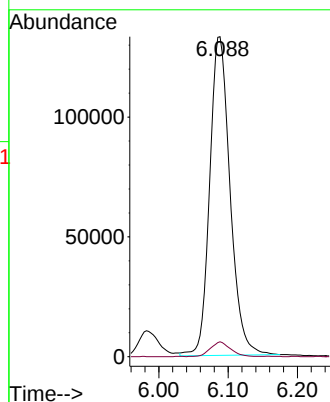
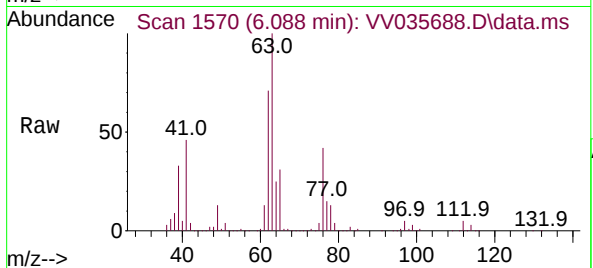




#37
1,2-Dichloropropane
Concen: 29.096 ug/L
RT: 6.088 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV035688.D
Acq: 23 May 2024 09:02

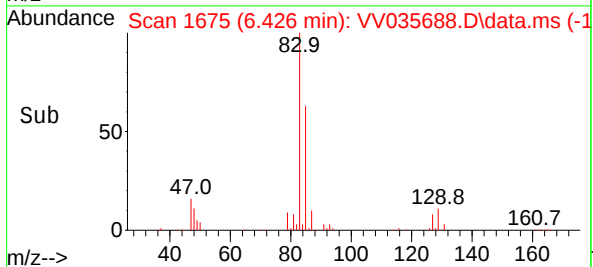
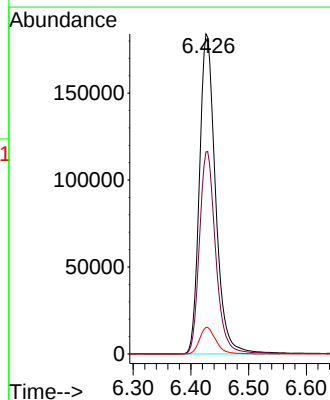
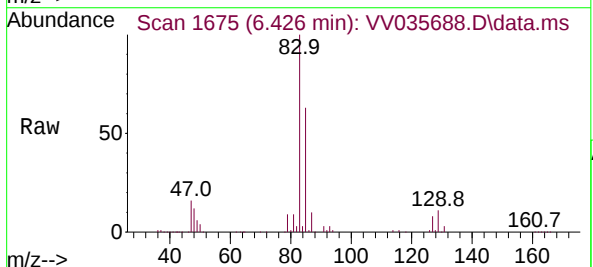
Instrument :
MSVOA_V
ClientSampleId :

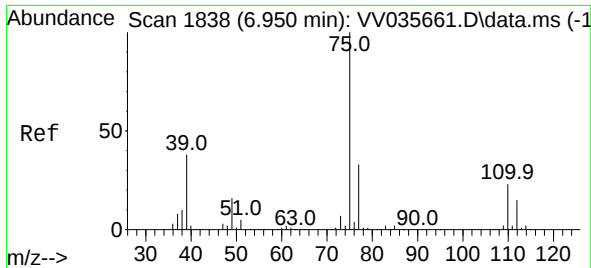
Tgt Ion: 63 Resp: 271899
Ion Ratio Lower Upper
63 100
112 4.6 3.8 5.6



#38
Bromodichloromethane
Concen: 28.193 ug/L
RT: 6.426 min Scan# 1675
Delta R.T. -0.003 min
Lab File: VV035688.D
Acq: 23 May 2024 09:02

Tgt Ion: 83 Resp: 356897
Ion Ratio Lower Upper
83 100
85 63.2 45.1 83.9
127 8.3 7.0 10.6

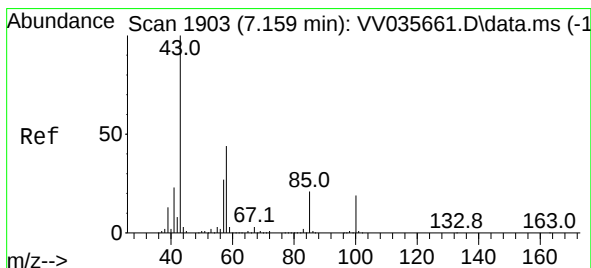
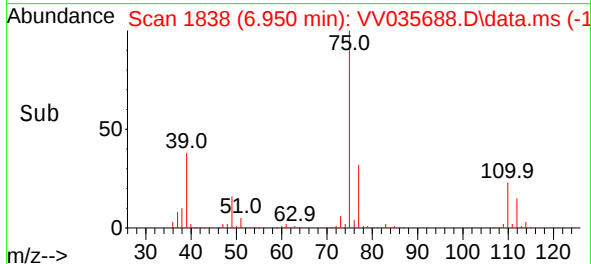
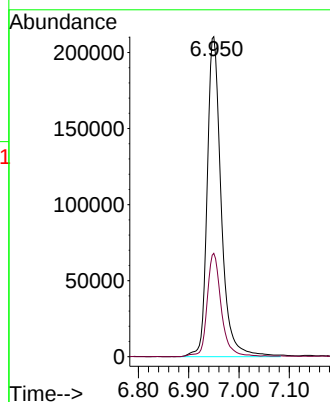
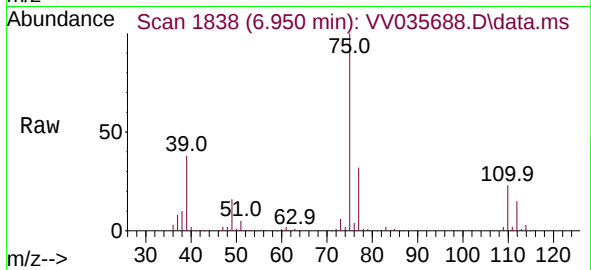




#39
 cis-1,3-Dichloropropene
 Concen: 27.916 ug/L
 RT: 6.950 min Scan# 1838
 Delta R.T. -0.000 min
 Lab File: VV035688.D
 Acq: 23 May 2024 09:02

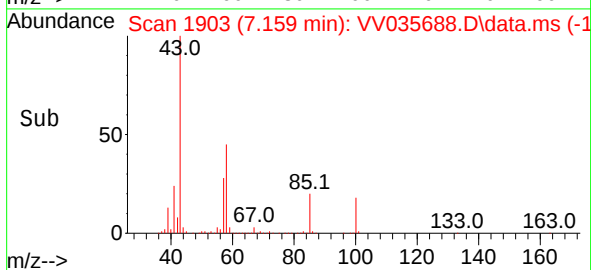
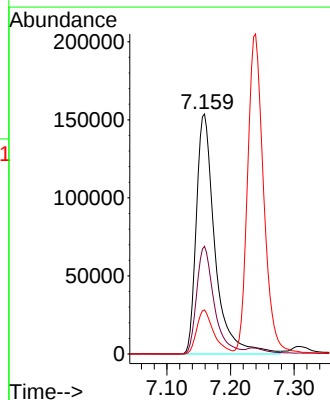
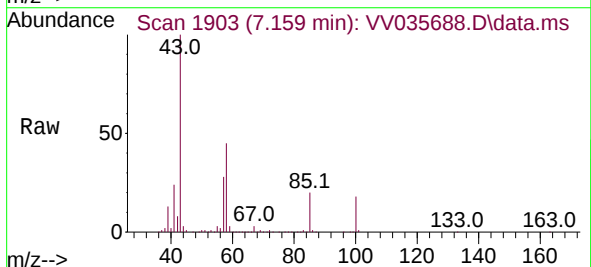
Instrument :
 MSVOA_V
 ClientSampleId :

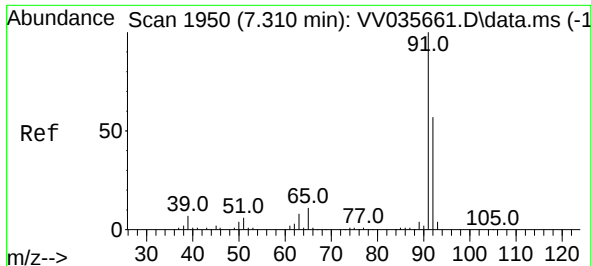
Tgt Ion: 75 Resp: 408023
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 55.892 ug/L
 RT: 7.159 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VV035688.D
 Acq: 23 May 2024 09:02

Tgt Ion: 43 Resp: 312808
 Ion Ratio Lower Upper
 43 100
 58 42.3 34.8 52.2
 100 16.9 13.9 20.9





#42

Toluene

Concen: 27.820 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VV035688.D

Acq: 23 May 2024 09:02

Instrument :

MSVOA_V

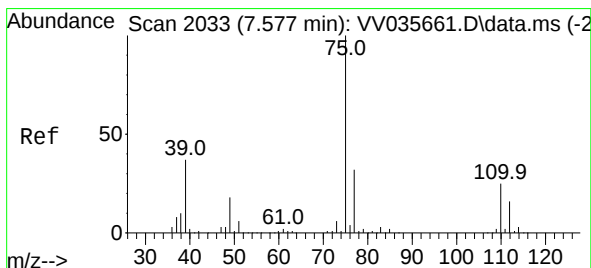
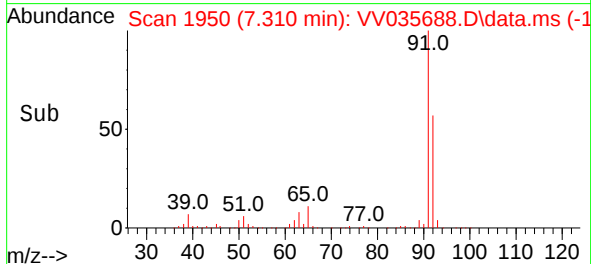
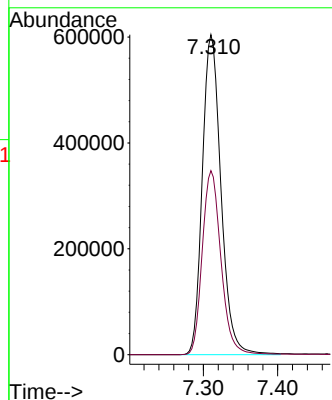
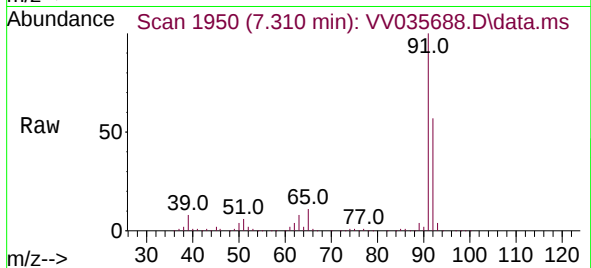
ClientSampleId :

Tgt Ion: 91 Resp: 1054534

Ion Ratio Lower Upper

91 100

92 57.5 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 28.220 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VV035688.D

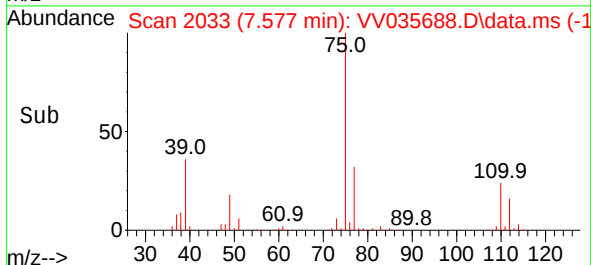
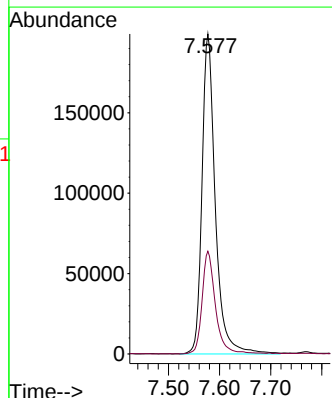
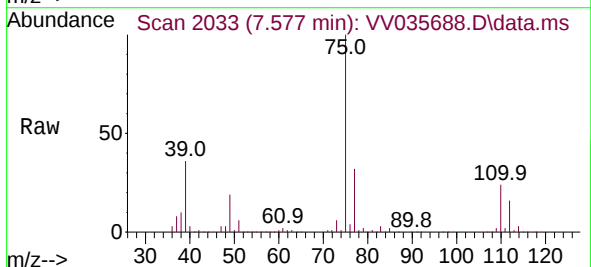
Acq: 23 May 2024 09:02

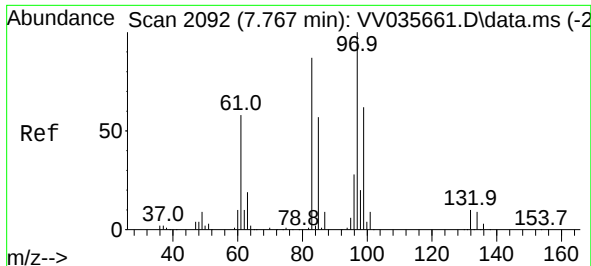
Tgt Ion: 75 Resp: 360822

Ion Ratio Lower Upper

75 100

77 32.1 22.4 41.6



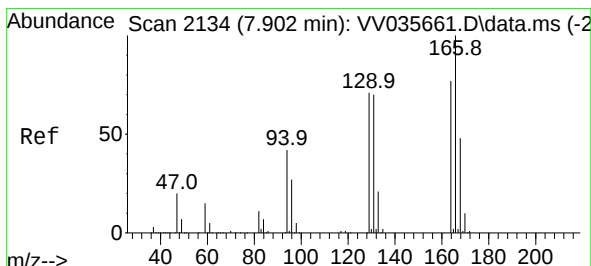
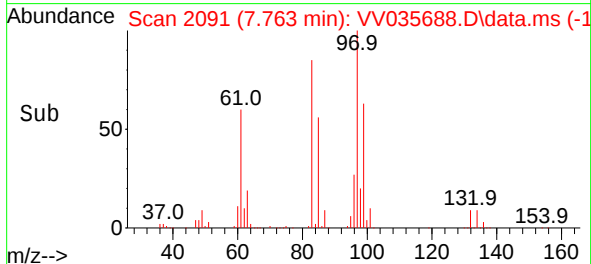
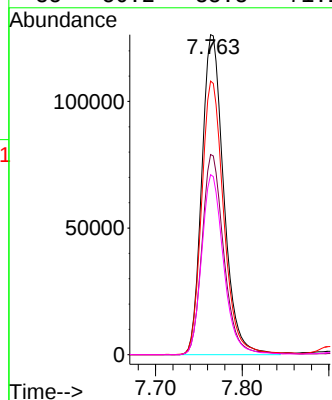
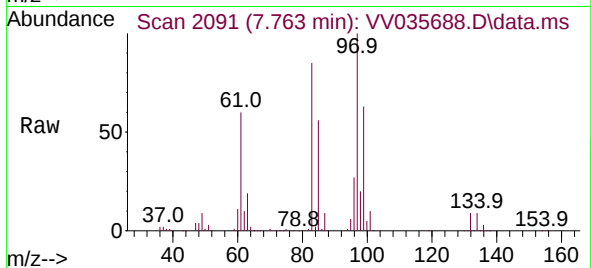


#45
1,1,2-Trichloroethane
Concen: 28.029 ug/L
RT: 7.763 min Scan# 2091
Delta R.T. -0.003 min
Lab File: VV035688.D
Acq: 23 May 2024 09:02

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 222554

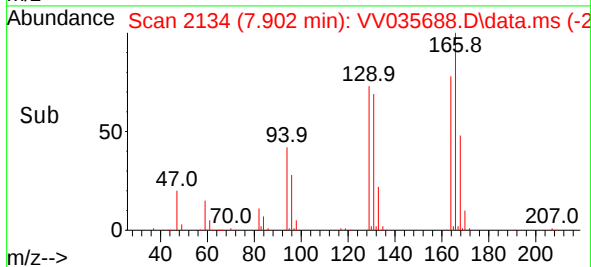
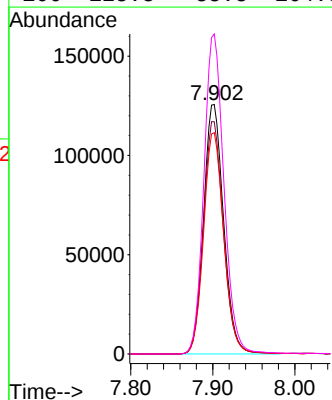
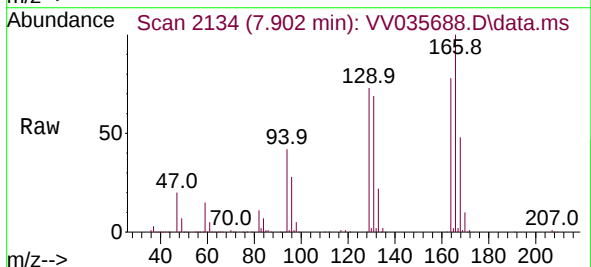
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.3	80.3
83	85.5	60.3	111.9
85	56.2	38.3	71.1

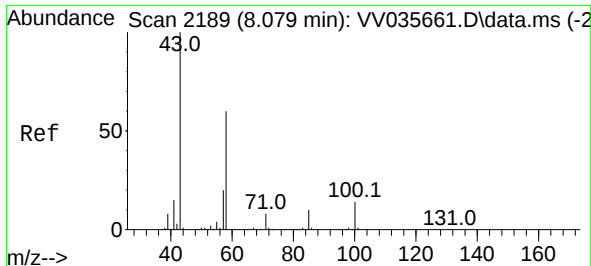


#46
Tetrachloroethene
Concen: 25.917 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. -0.000 min
Lab File: VV035688.D
Acq: 23 May 2024 09:02

Tgt Ion: 164 Resp: 213326

Ion	Ratio	Lower	Upper
164	100		
129	93.1	63.4	117.8
131	88.7	61.0	113.4
166	128.3	88.8	164.8





#48

2-Hexanone

Concen: 56.079 ug/L

RT: 8.075 min Scan# 2189

Delta R.T. -0.003 min

Lab File: VV035688.D

Acq: 23 May 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 235319

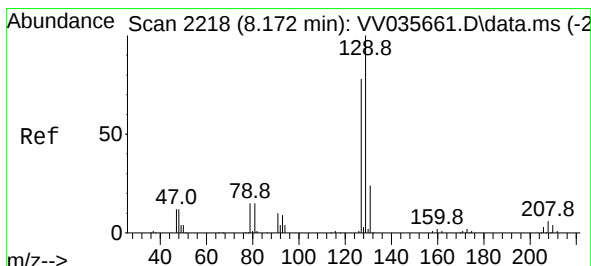
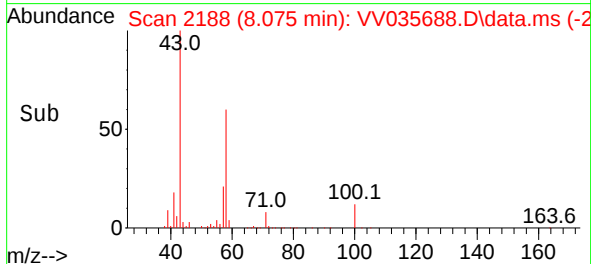
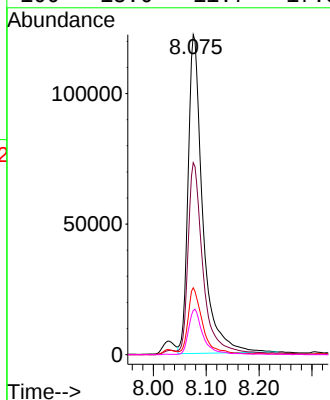
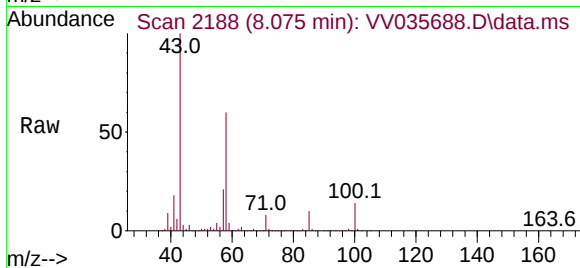
Ion Ratio Lower Upper

43 100

58 59.1 48.8 73.2

57 19.7 16.9 25.3

100 13.6 11.7 17.5



#49

Dibromochloromethane

Concen: 27.893 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. -0.000 min

Lab File: VV035688.D

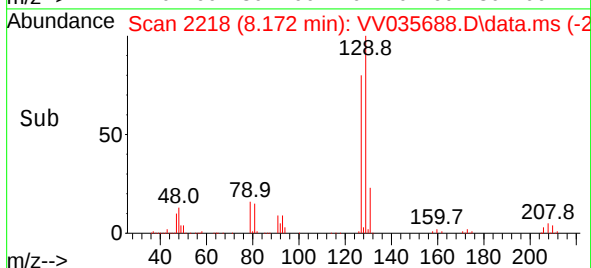
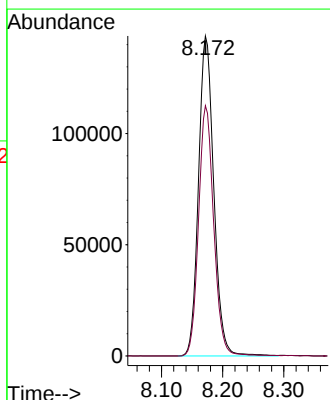
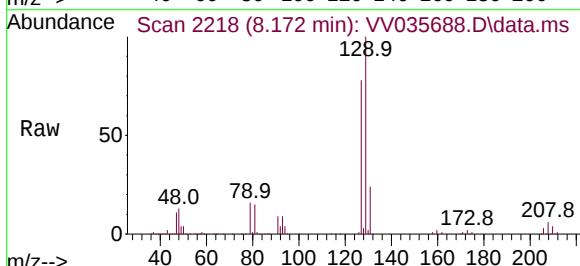
Acq: 23 May 2024 09:02

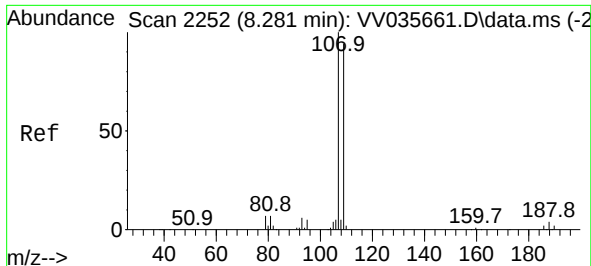
Tgt Ion:129 Resp: 249902

Ion Ratio Lower Upper

129 100

127 78.2 53.8 99.8





#50

1,2-Dibromoethane

Concen: 26.836 ug/L

RT: 8.278 min Scan# 21

Delta R.T. -0.003 min

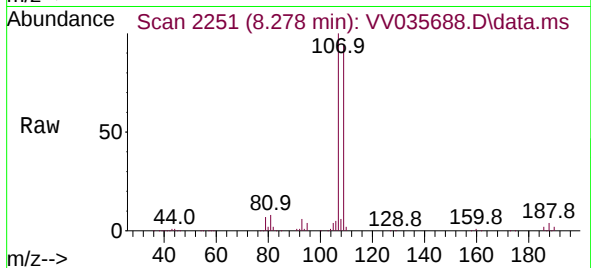
Lab File: VV035688.D

Acq: 23 May 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :



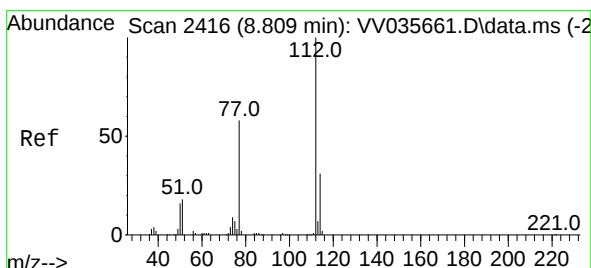
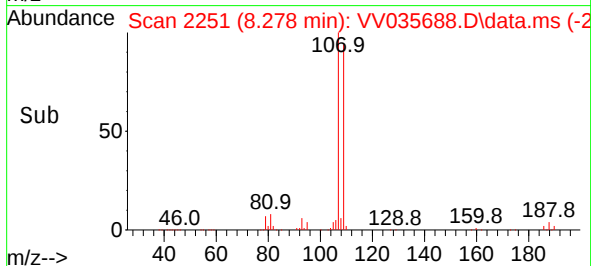
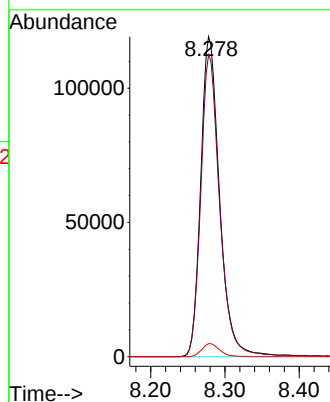
Tgt Ion:107 Resp: 209915

Ion Ratio Lower Upper

107 100

109 94.4 65.4 121.4

188 4.2 2.9 4.3



#51

Chlorobenzene

Concen: 26.885 ug/L

RT: 8.808 min Scan# 2416

Delta R.T. -0.000 min

Lab File: VV035688.D

Acq: 23 May 2024 09:02

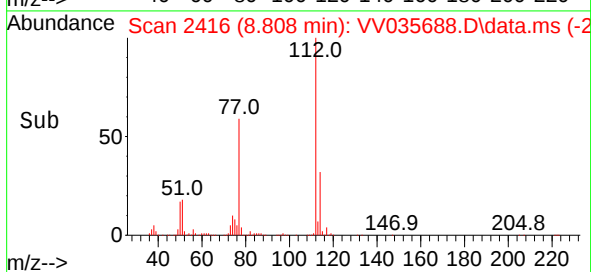
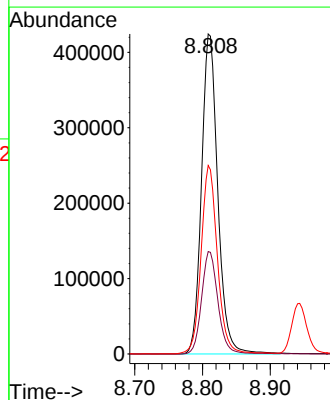
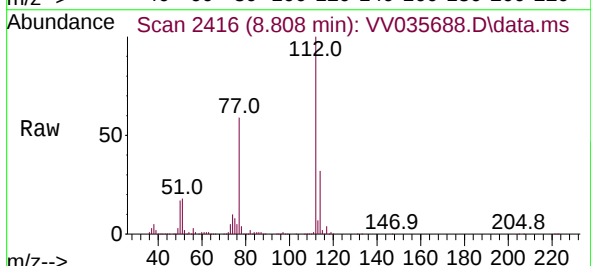
Tgt Ion:112 Resp: 707105

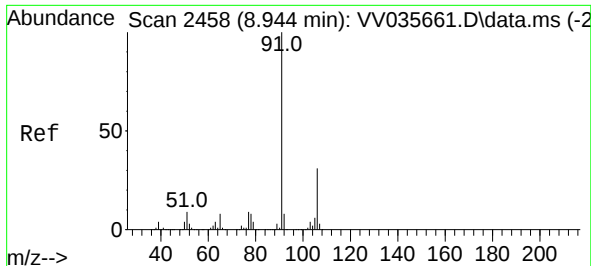
Ion Ratio Lower Upper

112 100

114 32.0 22.5 41.7

77 58.9 46.6 69.8





#52

Ethylbenzene

Concen: 28.387 ug/L

RT: 8.943 min Scan# 2458

Delta R.T. -0.000 min

Lab File: VV035688.D

Acq: 23 May 2024 09:02

Instrument :

MSVOA_V

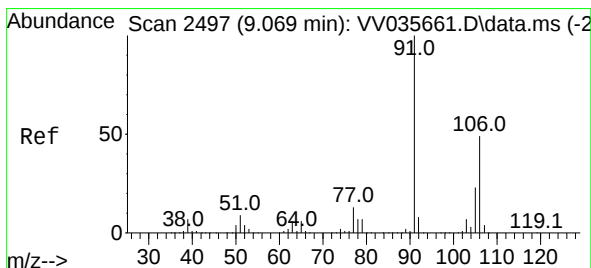
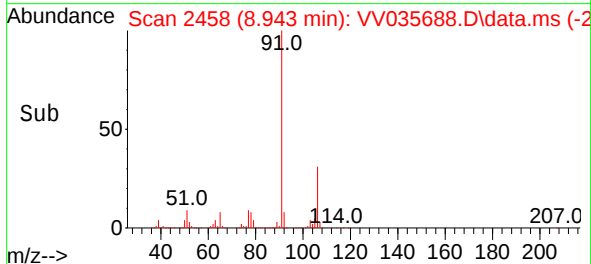
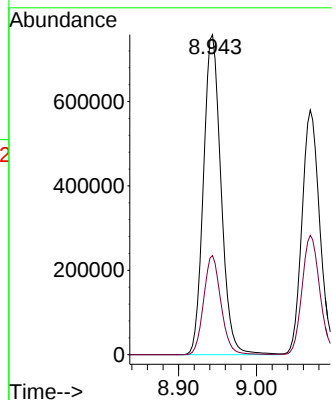
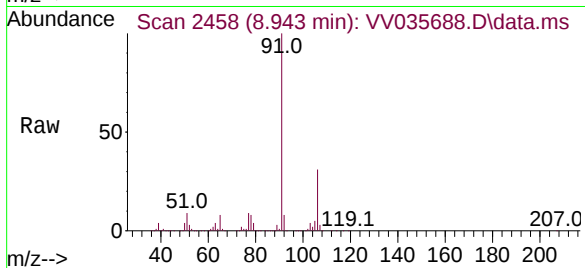
ClientSampleId :

Tgt Ion: 91 Resp: 1188014

Ion Ratio Lower Upper

91 100

106 31.0 21.7 40.3



#53

m,p-Xylene

Concen: 28.391 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. -0.000 min

Lab File: VV035688.D

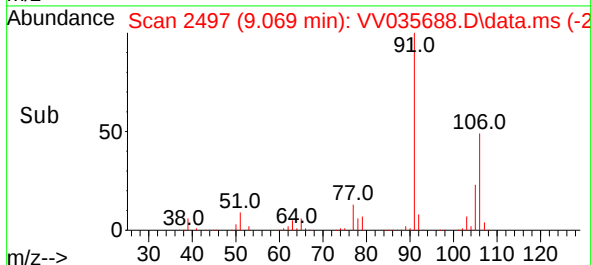
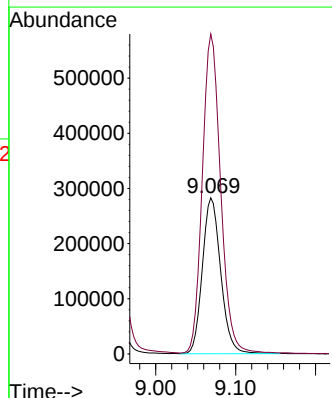
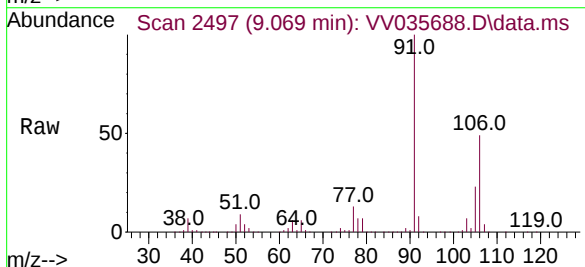
Acq: 23 May 2024 09:02

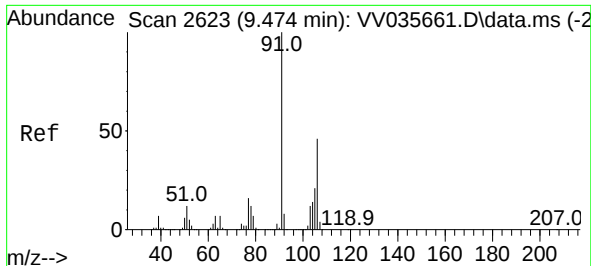
Tgt Ion:106 Resp: 450801

Ion Ratio Lower Upper

106 100

91 204.9 142.7 264.9

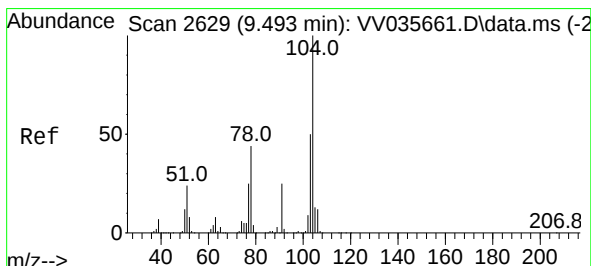
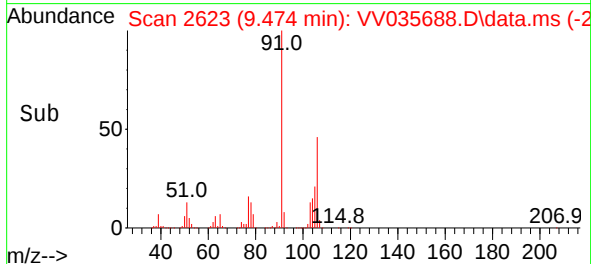
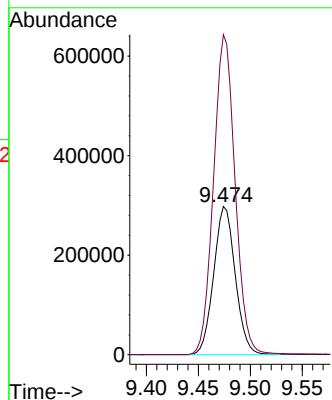
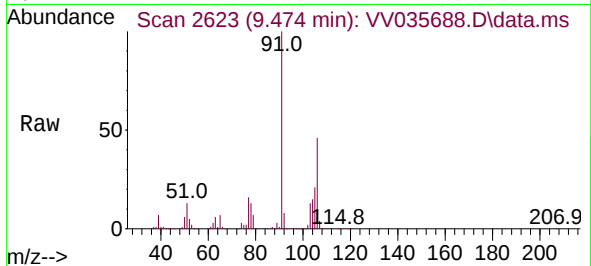




#54
o-Xylene
Concen: 28.600 ug/L
RT: 9.474 min Scan# 20
Delta R.T. -0.000 min
Lab File: VV035688.D
Acq: 23 May 2024 09:02

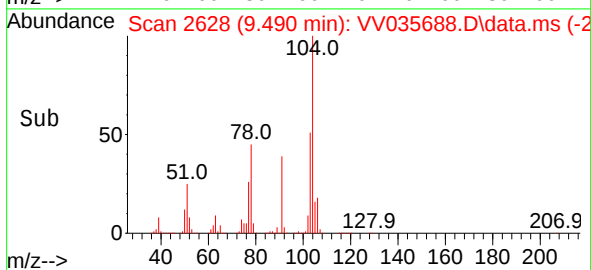
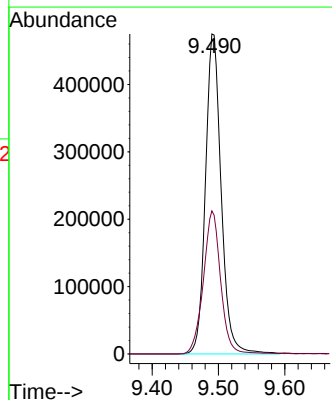
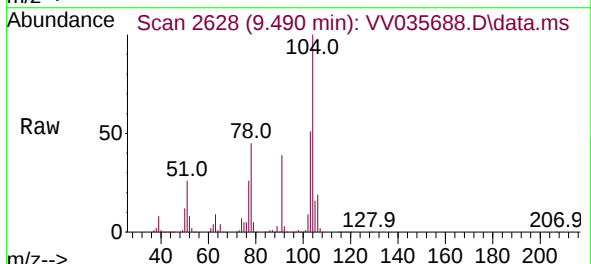
Instrument :
MSVOA_V
ClientSampleId :

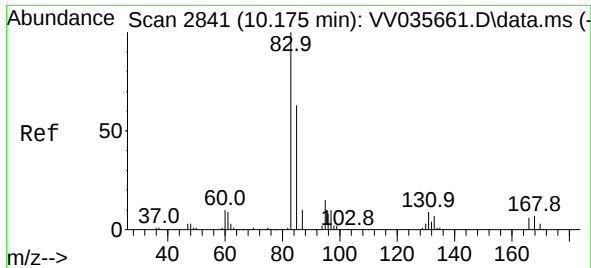
Tgt Ion:106 Resp: 430394
Ion Ratio Lower Upper
106 100
91 216.0 150.9 280.3



#55
Styrene
Concen: 29.888 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. -0.003 min
Lab File: VV035688.D
Acq: 23 May 2024 09:02

Tgt Ion:104 Resp: 784482
Ion Ratio Lower Upper
104 100
78 44.7 30.0 55.6

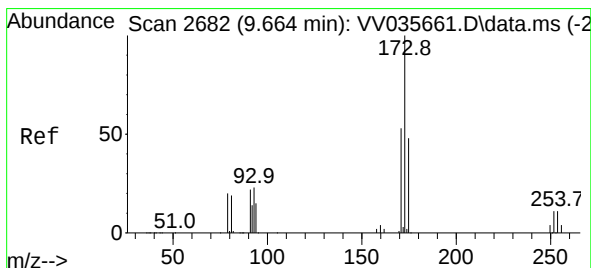
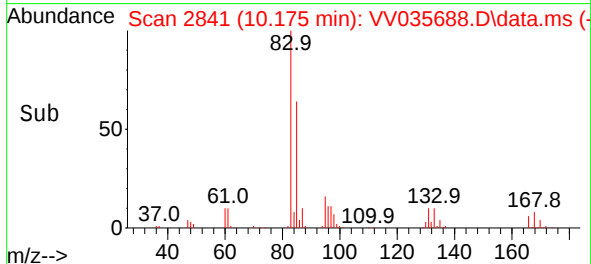
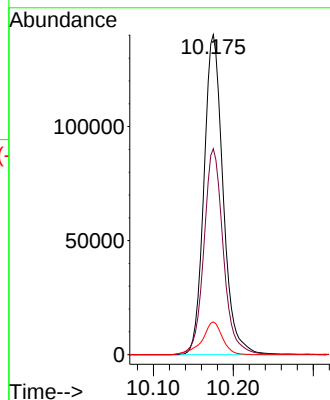
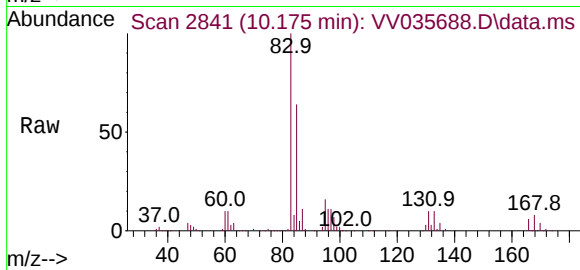




#57
1,1,2,2-Tetrachloroethane
Concen: 24.132 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. -0.000 min
Lab File: VV035688.D
Acq: 23 May 2024 09:02

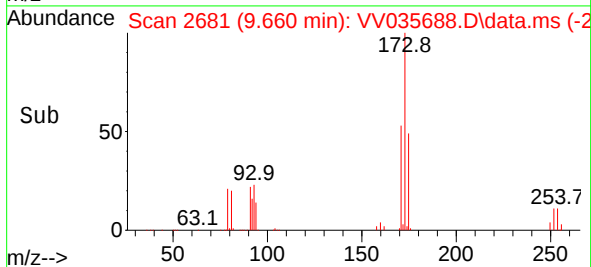
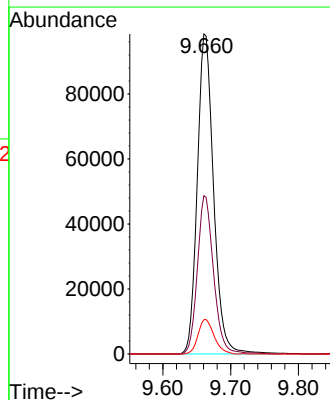
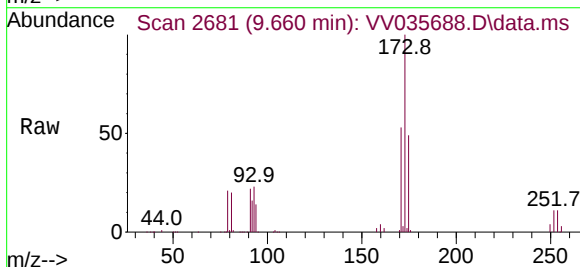
Instrument :
MSVOA_V
ClientSampleId :

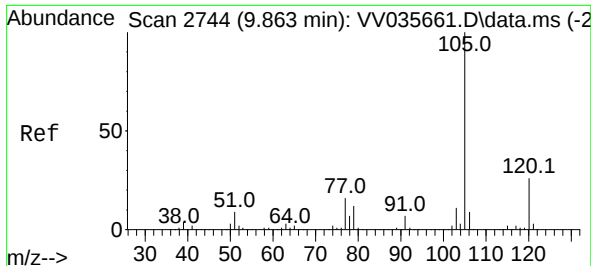
Tgt Ion: 83 Resp: 233409
Ion Ratio Lower Upper
83 100
85 64.4 44.7 83.1
131 10.3 8.0 12.0



#59
Bromoform
Concen: 28.094 ug/L
RT: 9.660 min Scan# 2681
Delta R.T. -0.003 min
Lab File: VV035688.D
Acq: 23 May 2024 09:02

Tgt Ion: 173 Resp: 164514
Ion Ratio Lower Upper
173 100
175 48.8 38.7 58.1
254 10.6 8.3 12.5

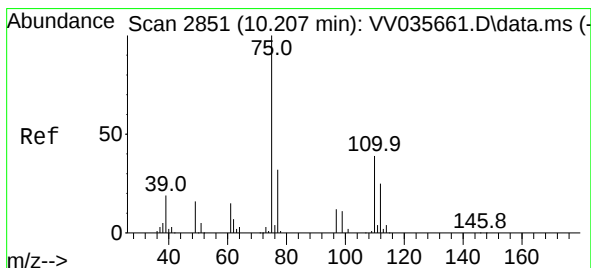
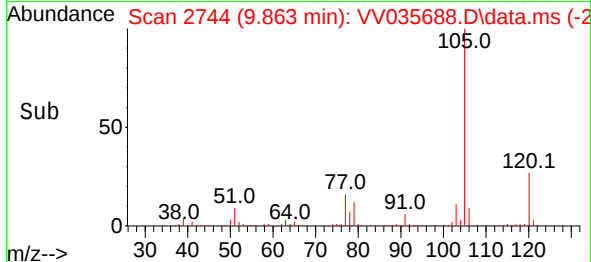
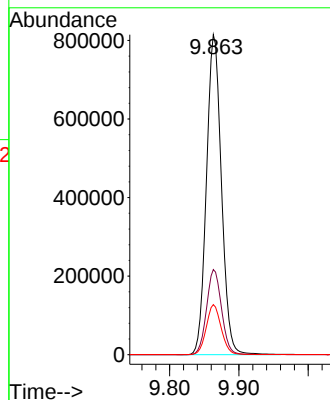
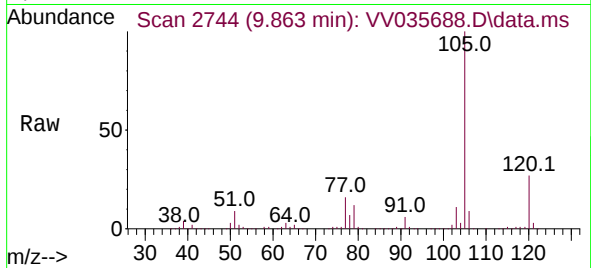




#60
Isopropylbenzene
Concen: 30.713 ug/L
RT: 9.863 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VV035688.D
Acq: 23 May 2024 09:02

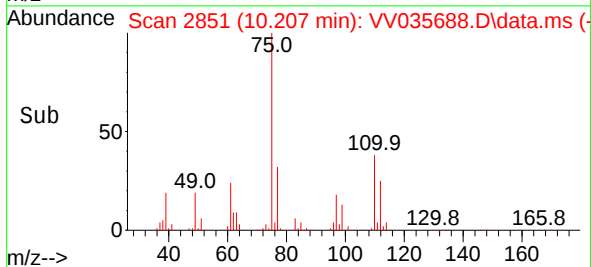
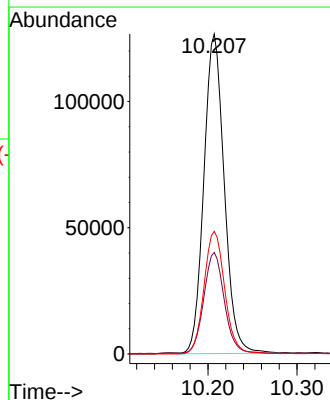
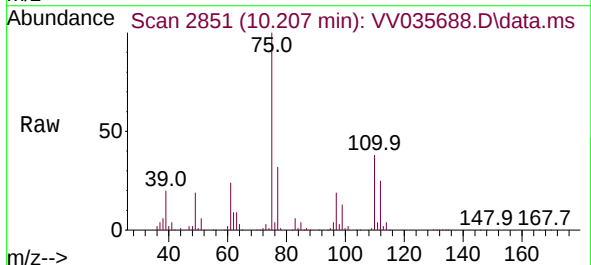
Instrument :
MSVOA_V
ClientSampleId :

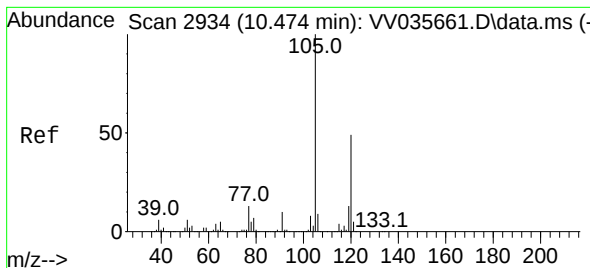
Tgt Ion:105 Resp: 1219074
Ion Ratio Lower Upper
105 100
120 26.7 21.3 31.9
77 15.6 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 28.831 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV035688.D
Acq: 23 May 2024 09:02

Tgt Ion: 75 Resp: 201308
Ion Ratio Lower Upper
75 100
77 31.6 25.7 38.5
110 39.1 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 31.631 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV035688.D

Acq: 23 May 2024 09:02

Instrument :

MSVOA_V

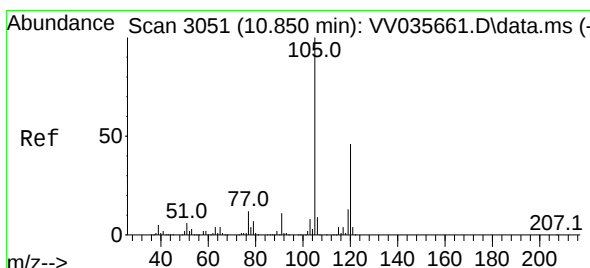
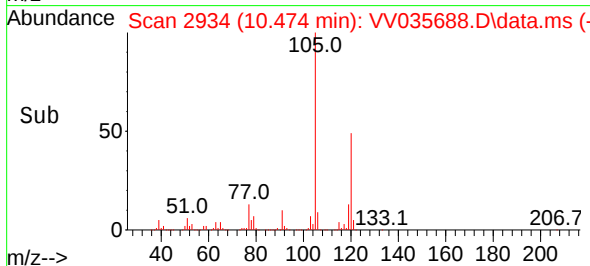
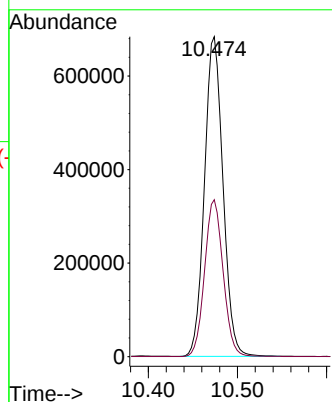
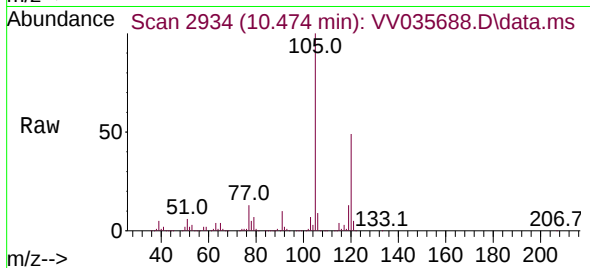
ClientSampleId :

Tgt Ion:105 Resp: 984907

Ion Ratio Lower Upper

105 100

120 49.2 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 30.922 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. -0.003 min

Lab File: VV035688.D

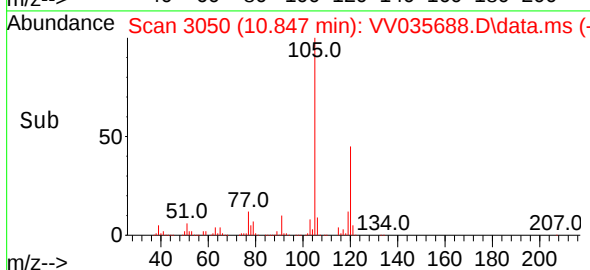
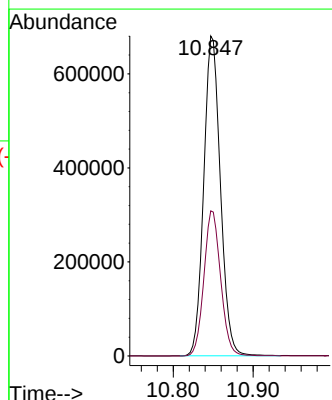
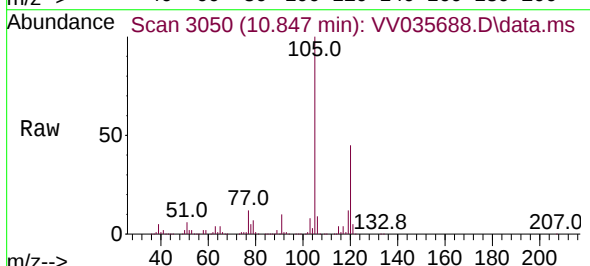
Acq: 23 May 2024 09:02

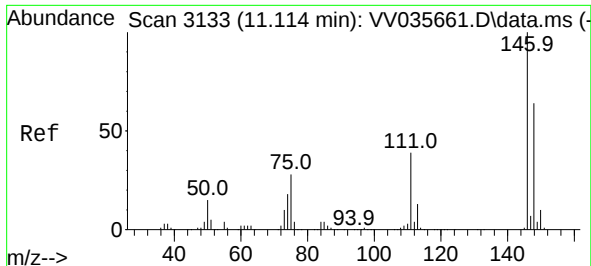
Tgt Ion:105 Resp: 989416

Ion Ratio Lower Upper

105 100

120 45.5 36.6 55.0





#64

1,3-Dichlorobenzene

Concen: 28.921 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

Lab File: VV035688.D

Acq: 23 May 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :

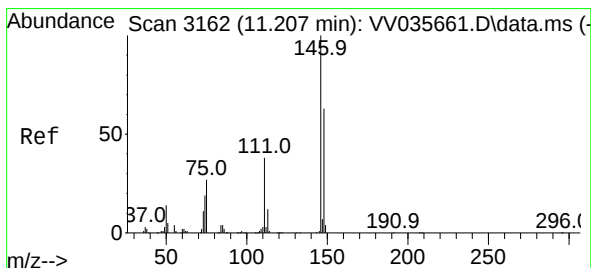
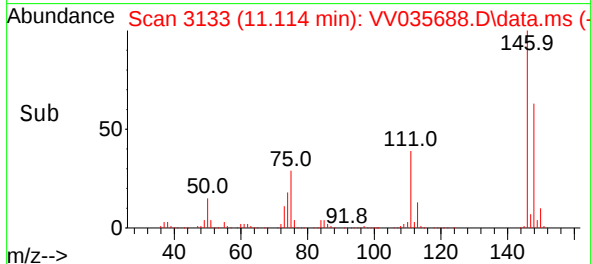
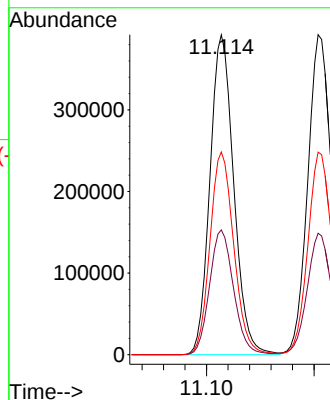
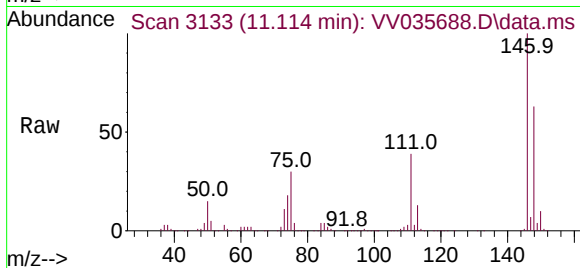
Tgt Ion:146 Resp: 602436

Ion Ratio Lower Upper

146 100

111 39.0 27.0 50.2

148 63.4 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 28.579 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. -0.003 min

Lab File: VV035688.D

Acq: 23 May 2024 09:02

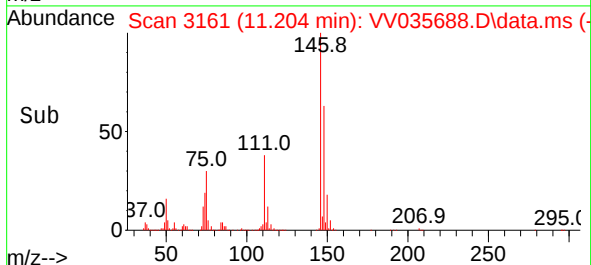
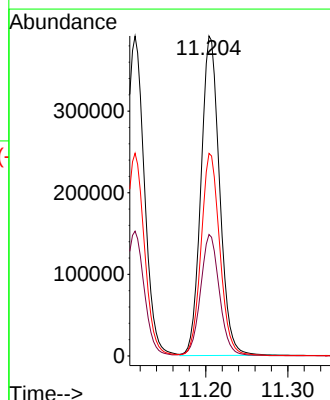
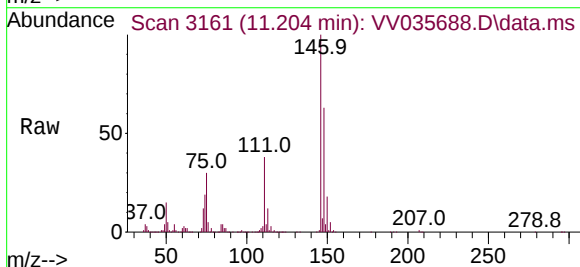
Tgt Ion:146 Resp: 616279

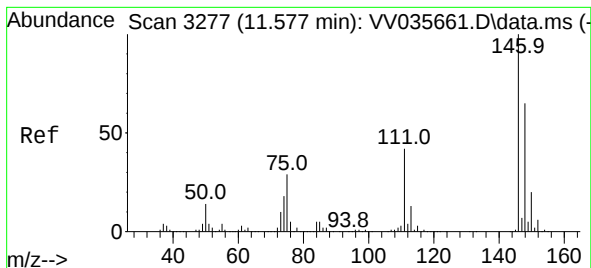
Ion Ratio Lower Upper

146 100

111 37.9 26.2 48.6

148 63.3 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 28.806 ug/L

RT: 11.574 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV035688.D

Acq: 23 May 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :

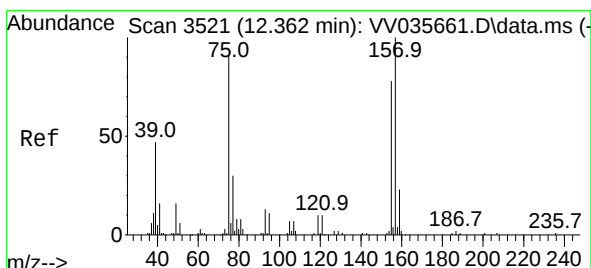
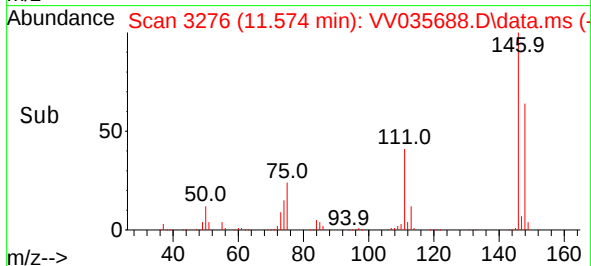
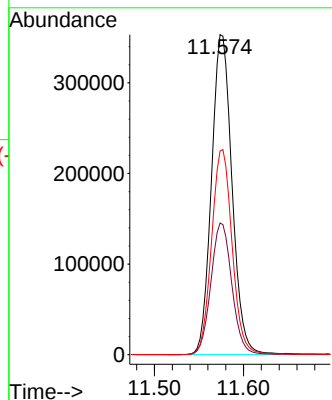
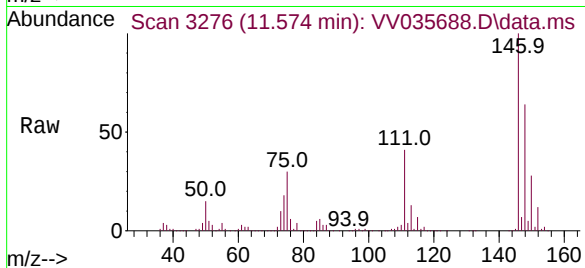
Tgt Ion:146 Resp: 564828

Ion Ratio Lower Upper

146 100

111 41.2 32.6 48.8

148 63.7 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 28.322 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV035688.D

Acq: 23 May 2024 09:02

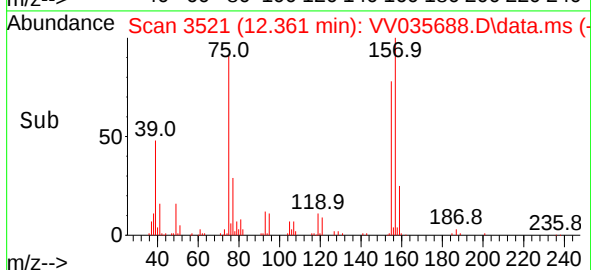
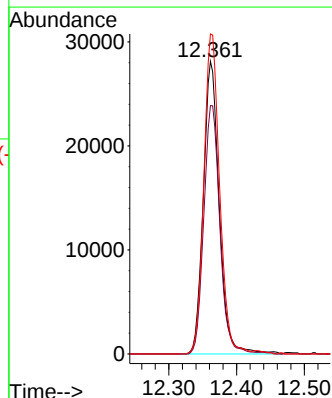
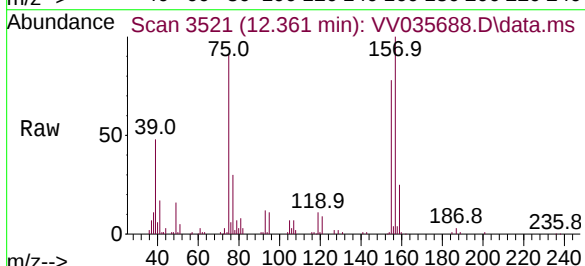
Tgt Ion: 75 Resp: 45864

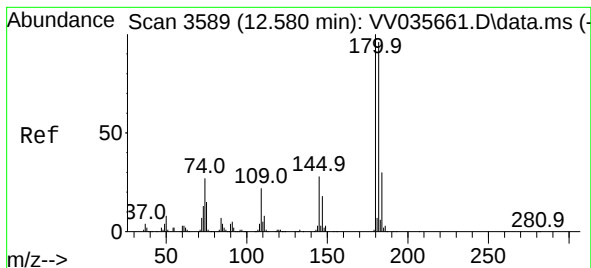
Ion Ratio Lower Upper

75 100

155 84.8 69.8 104.6

157 109.4 95.0 142.6





#69

1,3,5-Trichlorobenzene

Concen: 28.812 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

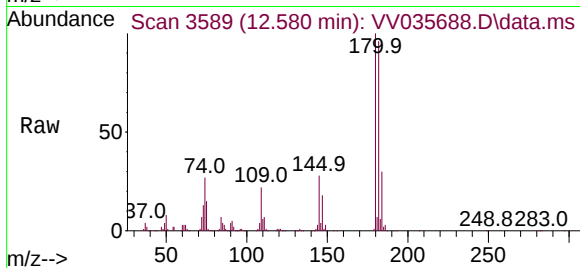
Lab File: VV035688.D

Acq: 23 May 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 468995

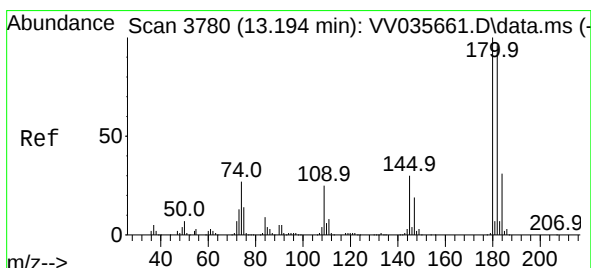
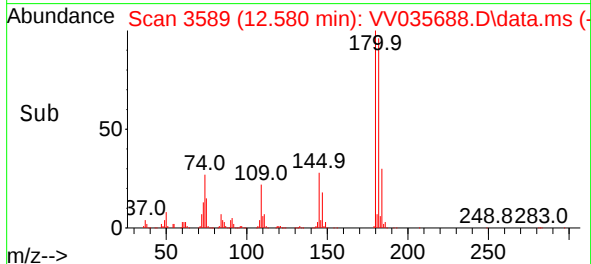
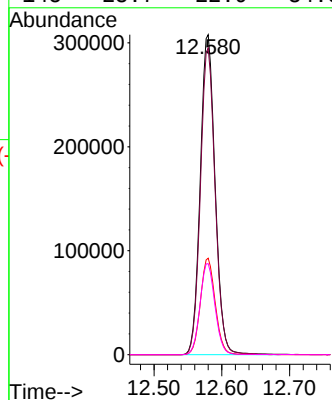
Ion Ratio Lower Upper

180 100

182 95.0 76.2 114.2

184 30.0 24.1 36.1

145 28.7 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 29.118 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.000 min

Lab File: VV035688.D

Acq: 23 May 2024 09:02

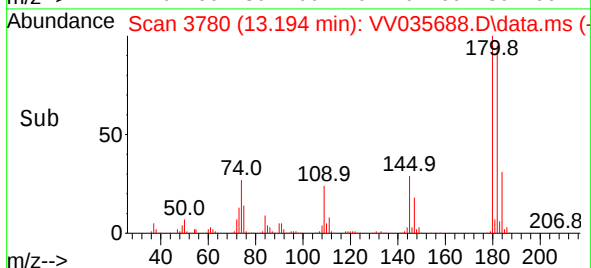
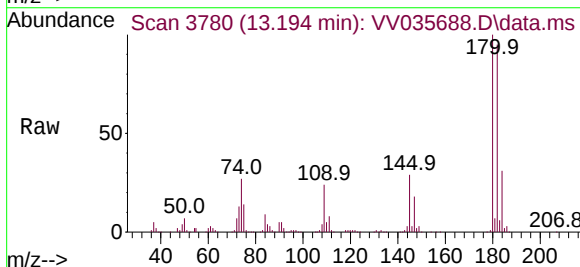
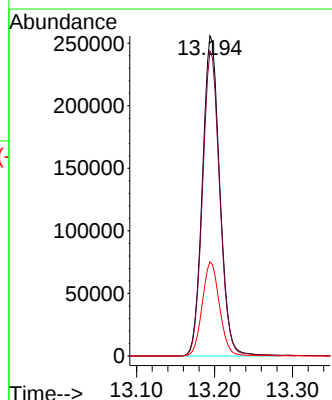
Tgt Ion:180 Resp: 395782

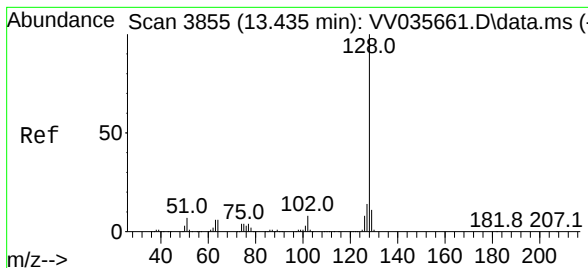
Ion Ratio Lower Upper

180 100

182 94.8 76.6 114.8

145 29.2 23.2 34.8





#71

Naphthalene

Concen: 28.889 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. -0.000 min

Lab File: VV035688.D

Acq: 23 May 2024 09:02

Instrument :

MSVOA_V

ClientSampleId :

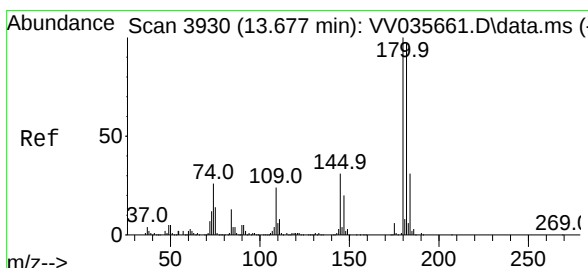
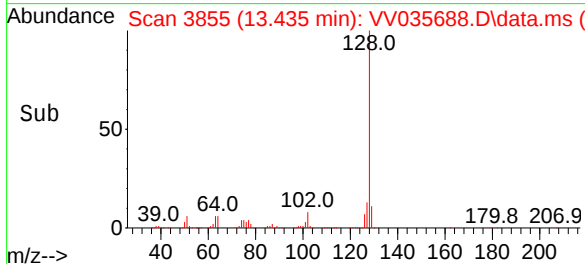
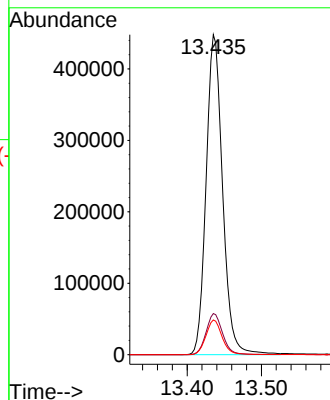
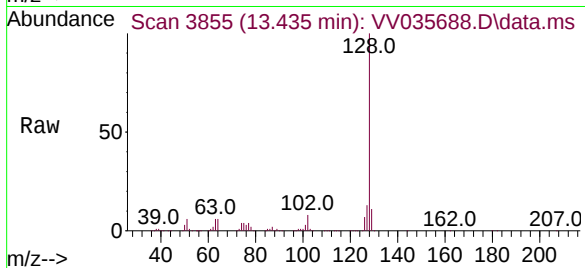
Tgt Ion:128 Resp: 689351

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 10.7 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 30.282 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. -0.000 min

Lab File: VV035688.D

Acq: 23 May 2024 09:02

Tgt Ion:180 Resp: 370277

Ion Ratio Lower Upper

180 100

182 96.5 75.8 113.6

145 31.6 25.2 37.8

