

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
 Data File : VV036297.D
 Acq On : 27 Jun 2024 08:29
 Operator : SY/MD
 Sample : VSTD005
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 28 00:03:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 28 00:02:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	380765	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	379745	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	193166	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	30775	4.759	ug/L	0.00
7) Chloroethane-d5	1.526	69	25217	4.882	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.050	65	15509	5.102	ug/L	0.00
21) 2-Butanone-d5	3.876	46	4396	3.033	ug/L	0.04
24) Chloroform-d	4.246	84	55917	4.975	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	29342	4.895	ug/L	0.00
32) Benzene-d6	4.956	84	106165	4.952	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	30535	4.271	ug/L	0.00
41) Toluene-d8	7.243	98	89165	4.613	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	13678	4.750	ug/L	0.00
47) 2-Hexanone-d5	8.046	63	7475	7.236	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.152	84	26111	4.940	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	34769	4.939	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.101	85	36926	5.104	ug/L	98
3) Chloromethane	1.211	50	33440	5.106	ug/L	98
5) Vinyl chloride	1.275	62	38815	5.133	ug/L	99
6) Bromomethane	1.481	94	25759	5.065	ug/L	98
8) Chloroethane	1.542	64	24366	5.228	ug/L	98
9) Trichlorofluoromethane	1.706	101	55303	5.121	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	34992	5.165	ug/L	99
12) 1,1-Dichloroethene	2.059	96	30922	5.156	ug/L	97
13) Acetone	2.153	43	7908	4.219	ug/L #	26
14) Carbon disulfide	2.230	76	94960	5.018	ug/L	100
15) Methyl Acetate	2.391	43	12797	4.745	ug/L #	89
16) Methylene chloride	2.439	84	43270	5.772	ug/L	100
17) trans-1,2-Dichloroethene	2.686	96	29935	5.027	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	63480	4.579	ug/L	99
19) 1,1-Dichloroethane	3.104	63	53652	5.067	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	28433	4.747	ug/L	97
22) 2-Butanone	4.124	43	215	0.143	ug/L	83
23) Bromochloromethane	4.149	128	15283	4.894	ug/L	97
25) Chloroform	4.272	83	57680	5.108	ug/L	99
27) 1,2-Dichloroethane	5.043	62	36069	4.933	ug/L	95
29) Cyclohexane	4.574	56	36544	4.517	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	47542	5.049	ug/L	99
31) Carbon tetrachloride	4.728	117	42510	5.067	ug/L	98
33) Benzene	5.008	78	111503	4.957	ug/L	100
34) Trichloroethene	5.834	95	34736	4.894	ug/L	96
35) Methylcyclohexane	6.043	83	45498	4.600	ug/L	98
37) 1,2-Dichloropropane	6.095	63	27772	4.835	ug/L #	96
38) Bromodichloromethane	6.432	83	39432	5.019	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	36262	4.105	ug/L	100
40) 4-Methyl-2-pentanone	7.169	43	26987	8.355	ug/L	95
42) Toluene	7.316	91	110116	4.682	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	35017	4.408	ug/L	98

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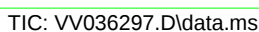
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

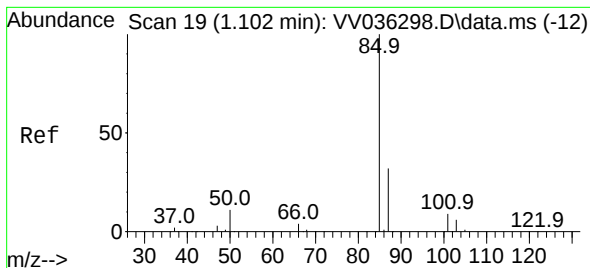
45) 1,1,2-Trichloroethane	7.770	97	25695	5.061	ug/L	95
46) Tetrachloroethene	7.905	164	26490	5.135	ug/L	93
48) 2-Hexanone	8.091	43	18242	7.110	ug/L #	89
49) Dibromochloromethane	8.175	129	27889	4.927	ug/L	96
50) 1,2-Dibromoethane	8.284	107	24067	4.812	ug/L	97
51) Chlorobenzene	8.812	112	79992	4.976	ug/L	98
52) Ethylbenzene	8.947	91	114630	4.517	ug/L	100
53) m,p-Xylene	9.072	106	42611	4.505	ug/L	96
54) o-Xylene	9.477	106	37725	4.241	ug/L	99
55) Styrene	9.496	104	64501	4.137	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	22829	5.024	ug/L	99
59) Bromoform	9.667	173	18407	5.034	ug/L	97
60) Isopropylbenzene	9.866	105	105145	4.503	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	22268	5.108	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	69196	4.141	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	74288	4.091	ug/L	97
64) 1,3-Dichlorobenzene	11.117	146	60579	4.979	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	67488	5.175	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	58033	4.996	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	4937	5.048	ug/L	85
69) 1,3,5-Trichlorobenzene	12.580	180	45302	4.945	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	34261	4.689	ug/L	98
71) Naphthalene	13.438	128	52173	4.005	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	32445	4.723	ug/L	95

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

Instrument :
MSVOA_V
ClientSampleId :

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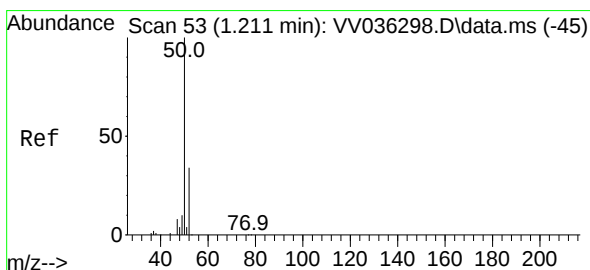
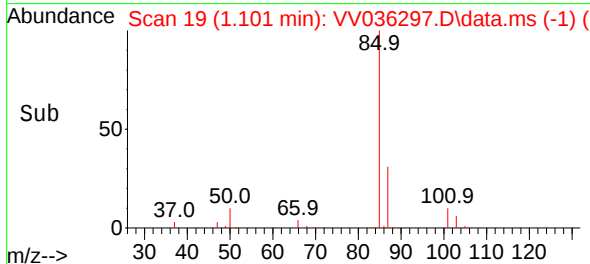
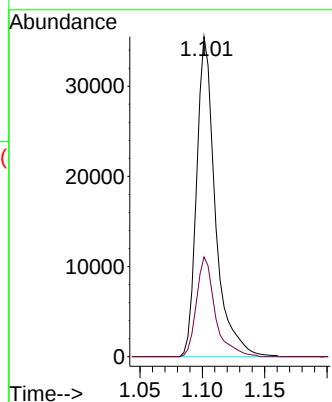
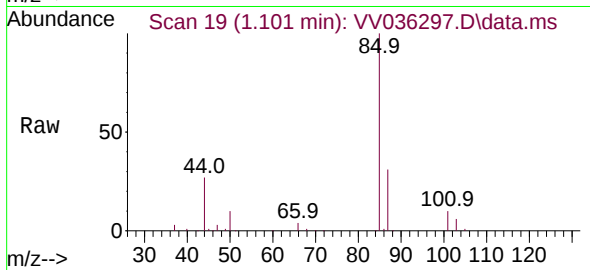




#2
 Dichlorodifluoromethane
 Concen: 5.104 ug/L
 RT: 1.101 min Scan# 19
 Delta R.T. -0.000 min
 Lab File: VV036297.D
 Acq: 27 Jun 2024 08:29

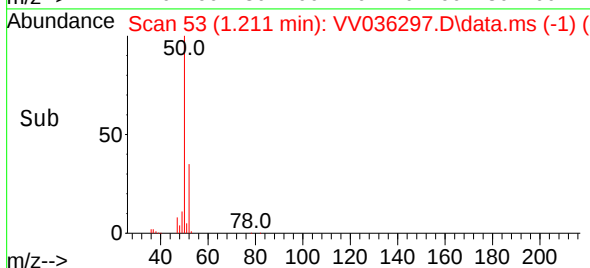
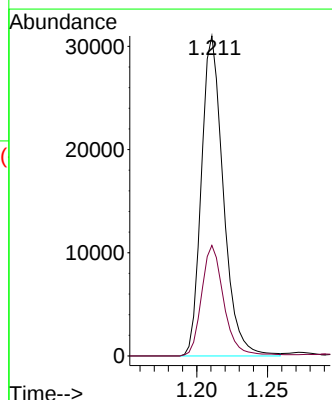
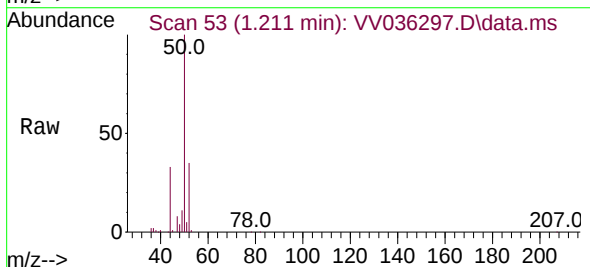
Instrument :
 MSVOA_V
 ClientSampleId :

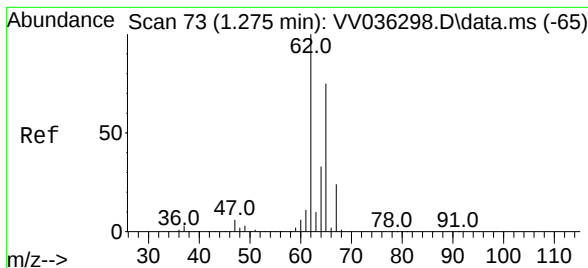
Tgt Ion: 85 Resp: 36926
 Ion Ratio Lower Upper
 85 100
 87 31.3 25.9 38.9



#3
 Chloromethane
 Concen: 5.106 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. -0.000 min
 Lab File: VV036297.D
 Acq: 27 Jun 2024 08:29

Tgt Ion: 50 Resp: 33440
 Ion Ratio Lower Upper
 50 100
 52 34.6 23.5 43.7





#5

Vinyl chloride

Concen: 5.133 ug/L

RT: 1.275 min Scan# 73

Delta R.T. -0.000 min

Lab File: VV036297.D

Acq: 27 Jun 2024 08:29

Instrument :

MSVOA_V

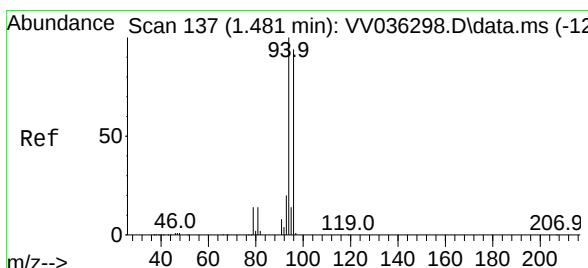
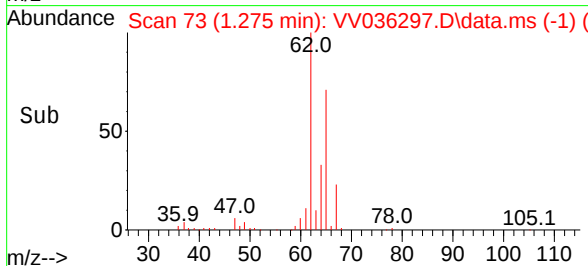
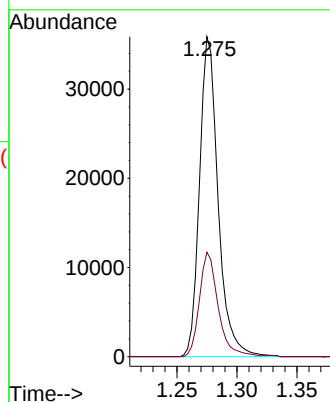
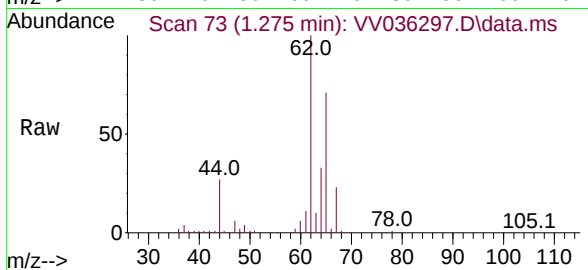
ClientSampleId :

Tgt Ion: 62 Resp: 38815

Ion Ratio Lower Upper

62 100

64 32.7 23.4 43.4



#6

Bromomethane

Concen: 5.065 ug/L

RT: 1.481 min Scan# 137

Delta R.T. -0.000 min

Lab File: VV036297.D

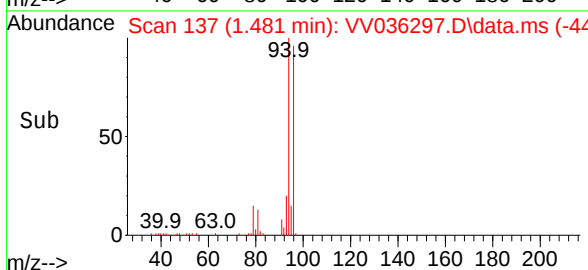
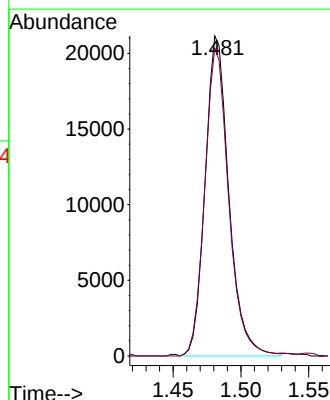
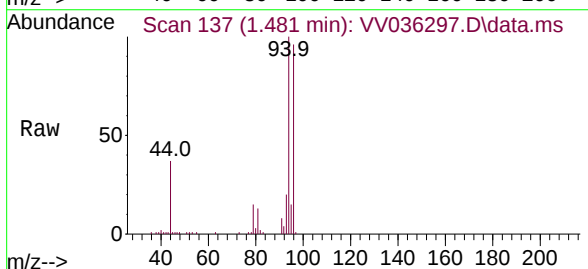
Acq: 27 Jun 2024 08:29

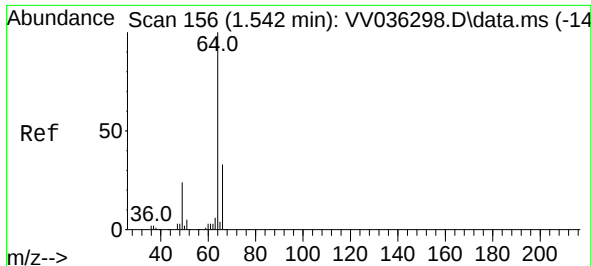
Tgt Ion: 94 Resp: 25759

Ion Ratio Lower Upper

94 100

96 96.2 66.1 122.7

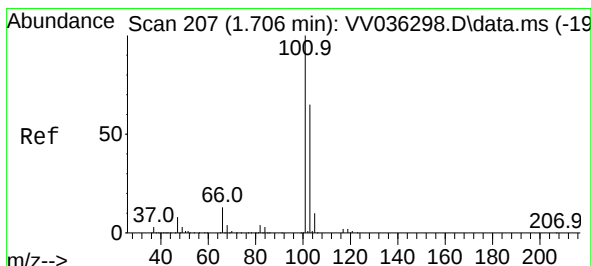
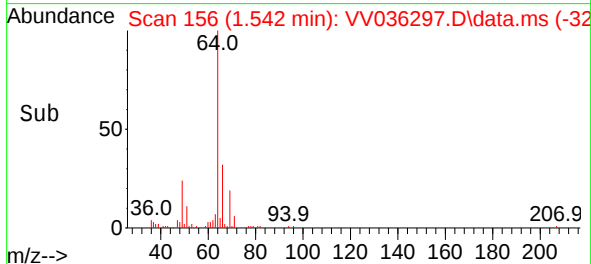
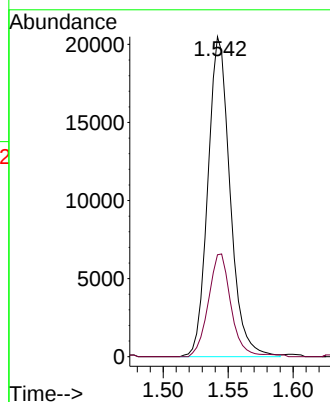
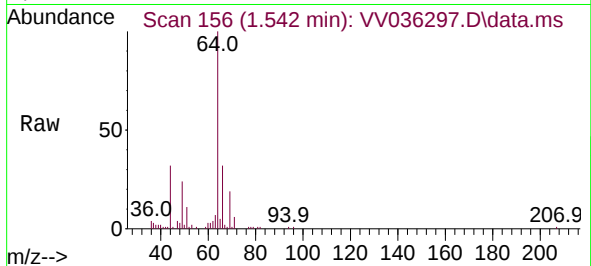




#8
Chloroethane
Concen: 5.228 ug/L
RT: 1.542 min Scan# 156
Delta R.T. -0.000 min
Lab File: VV036297.D
Acq: 27 Jun 2024 08:29

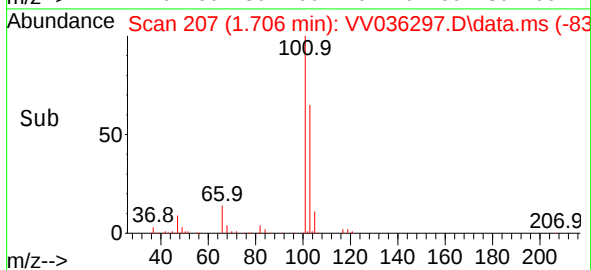
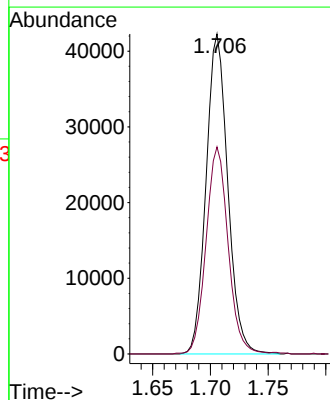
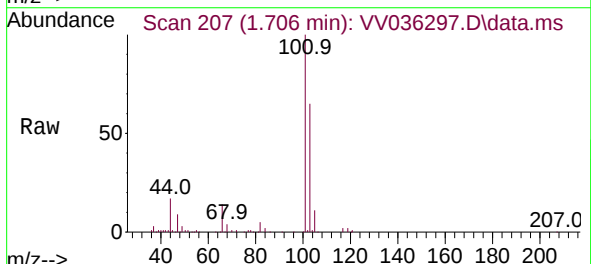
Instrument :
MSVOA_V
ClientSampleId :

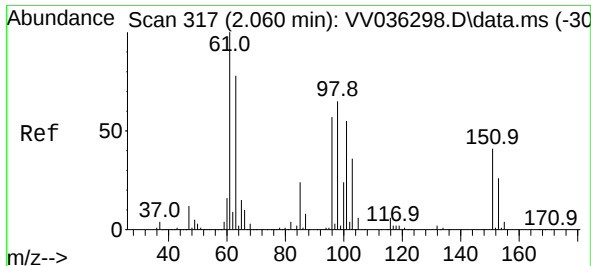
Tgt Ion: 64 Resp: 24366
Ion Ratio Lower Upper
64 100
66 31.8 23.0 42.6



#9
Trichlorofluoromethane
Concen: 5.121 ug/L
RT: 1.706 min Scan# 207
Delta R.T. -0.000 min
Lab File: VV036297.D
Acq: 27 Jun 2024 08:29

Tgt Ion:101 Resp: 55303
Ion Ratio Lower Upper
101 100
103 64.7 51.7 77.5





#10

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

Concen: 5.165 ug/L

RT: 2.056 min Scan# 316

Delta R.T. -0.003 min

Lab File: VV036297.D

Acq: 27 Jun 2024 08:29

Instrument :

MSVOA_V

ClientSampleId :

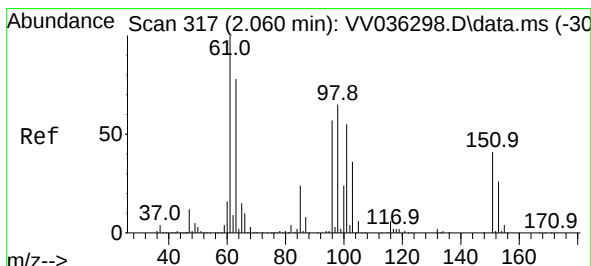
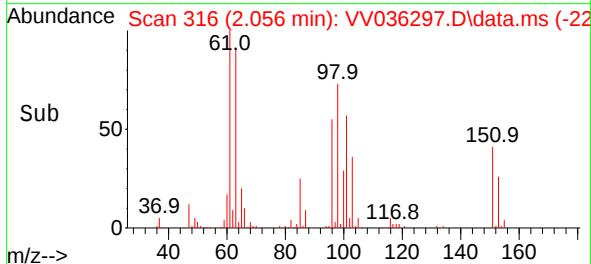
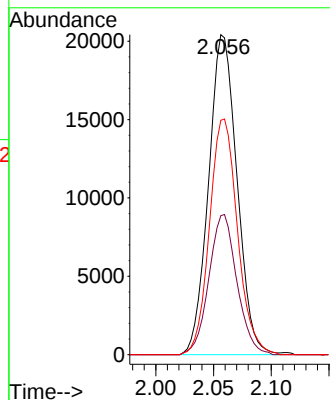
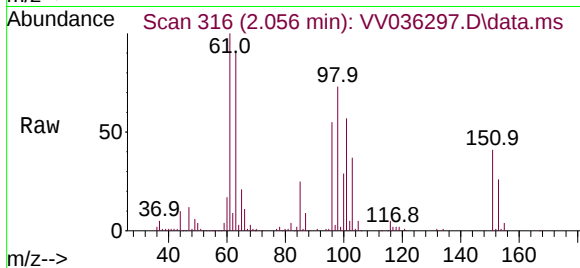
Tgt Ion:101 Resp: 34992

Ion Ratio Lower Upper

101 100

85 43.1 34.6 51.8

151 72.6 58.9 88.3



#12

1,1-Dichloroethene

Concen: 5.156 ug/L

RT: 2.059 min Scan# 317

Delta R.T. -0.000 min

Lab File: VV036297.D

Acq: 27 Jun 2024 08:29

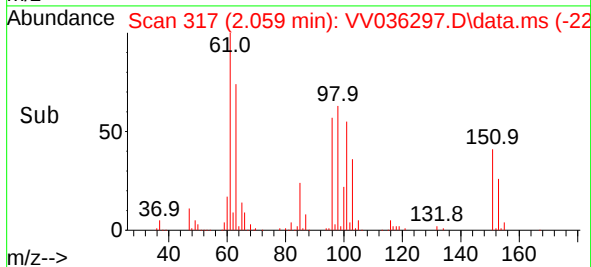
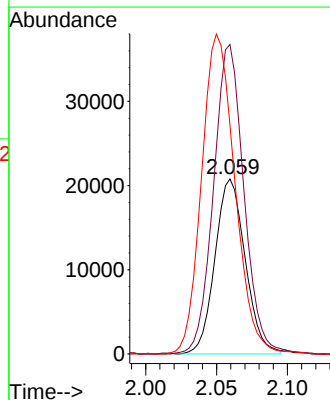
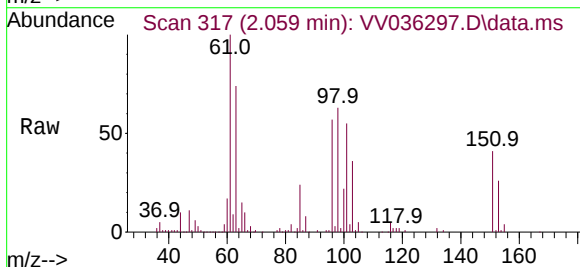
Tgt Ion: 96 Resp: 30922

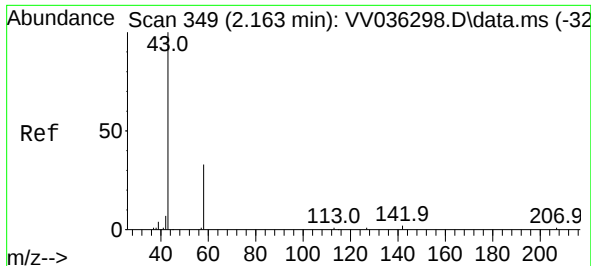
Ion Ratio Lower Upper

96 100

61 176.7 122.6 227.8

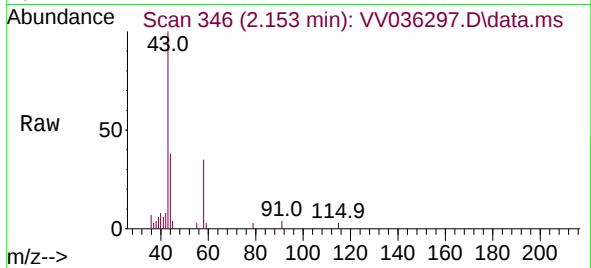
63 130.8 96.1 178.5



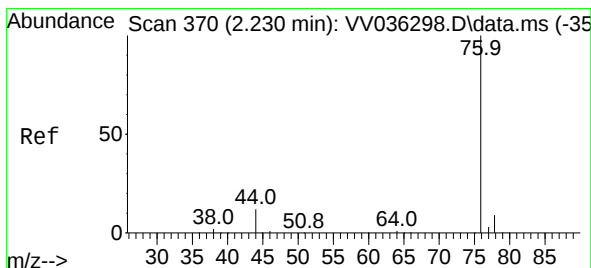
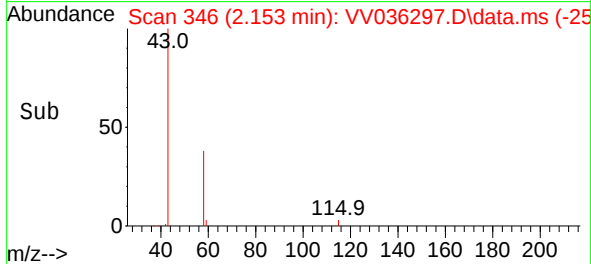
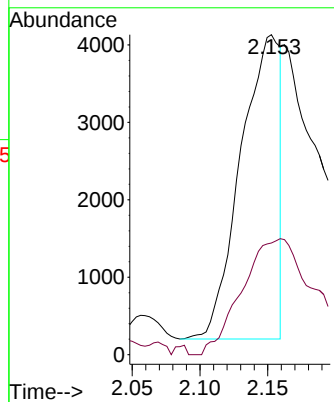


#13
Acetone
Concen: 4.219 ug/L
RT: 2.153 min Scan# 34
Delta R.T. -0.010 min
Lab File: VV036297.D
Acq: 27 Jun 2024 08:29

Instrument :
MSVOA_V
ClientSampleId :

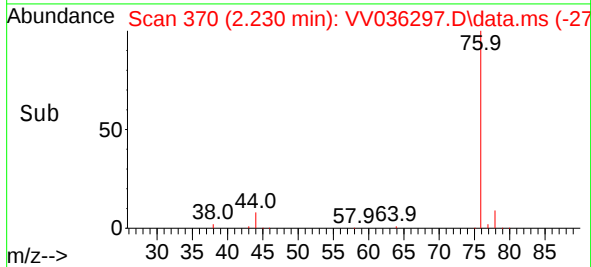
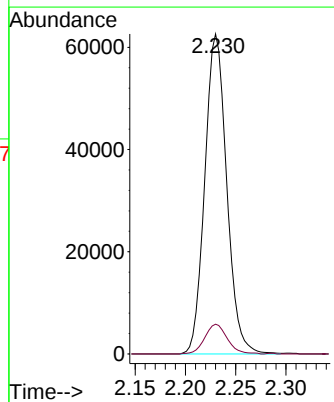
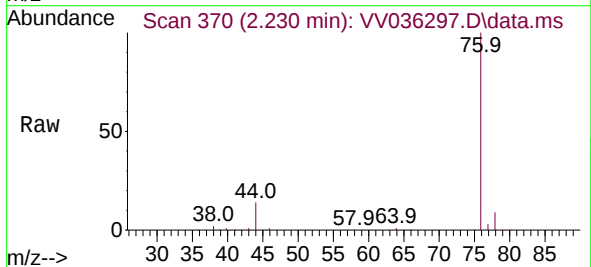


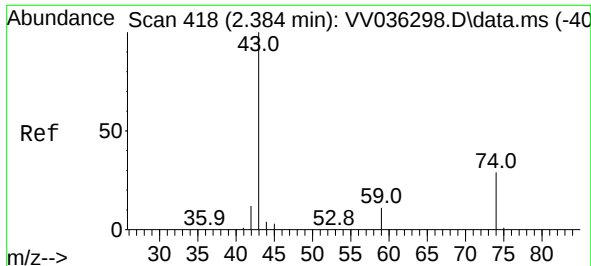
Tgt Ion: 43 Resp: 7908
Ion Ratio Lower Upper
43 100
58 69.4 0.0 0.6#



#14
Carbon disulfide
Concen: 5.018 ug/L
RT: 2.230 min Scan# 370
Delta R.T. -0.000 min
Lab File: VV036297.D
Acq: 27 Jun 2024 08:29

Tgt Ion: 76 Resp: 94960
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2





#15

Methyl Acetate

Concen: 4.745 ug/L

RT: 2.391 min Scan# 41

Delta R.T. 0.006 min

Lab File: VV036297.D

Acq: 27 Jun 2024 08:29

Instrument :

MSVOA_V

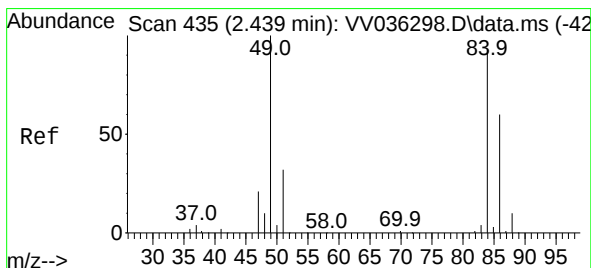
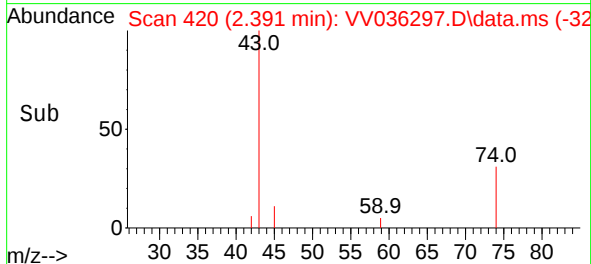
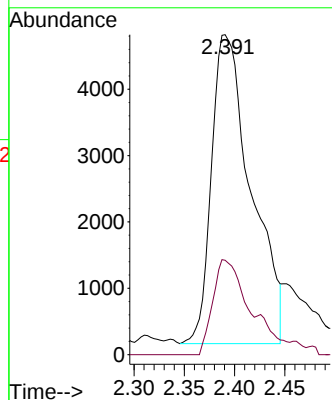
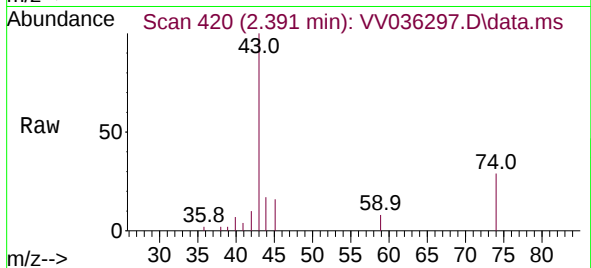
ClientSampleId :

Tgt Ion: 43 Resp: 12797

Ion Ratio Lower Upper

43 100

74 23.6 23.8 35.6#



#16

Methylene chloride

Concen: 5.772 ug/L

RT: 2.439 min Scan# 435

Delta R.T. -0.000 min

Lab File: VV036297.D

Acq: 27 Jun 2024 08:29

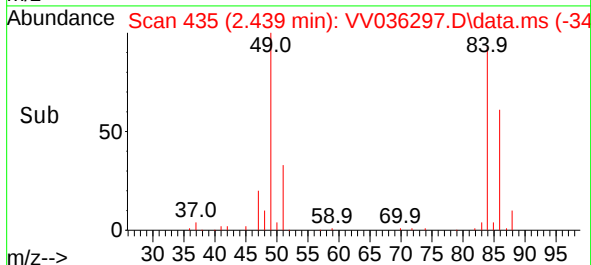
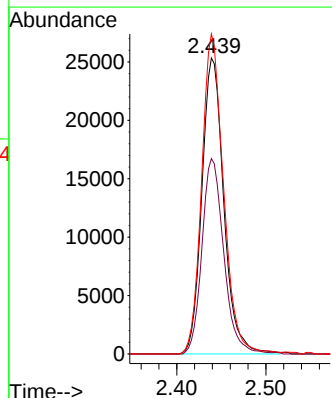
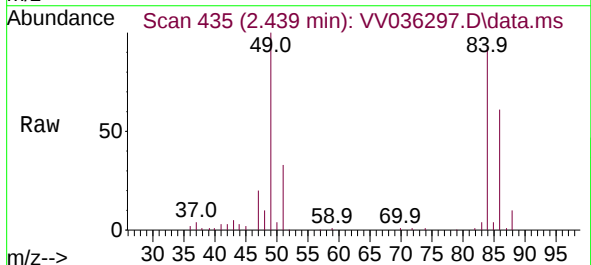
Tgt Ion: 84 Resp: 43270

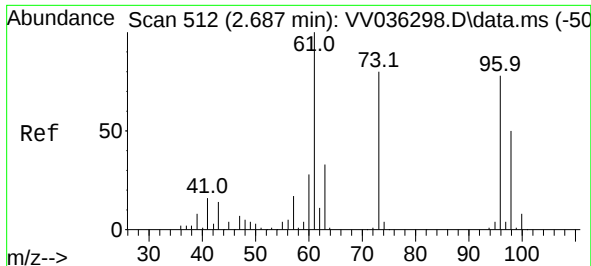
Ion Ratio Lower Upper

84 100

86 66.0 45.6 84.8

49 108.1 75.7 140.5





#17

trans-1,2-Dichloroethene

Concen: 5.027 ug/L

RT: 2.686 min Scan# 512

Delta R.T. -0.000 min

Lab File: VV036297.D

Acq: 27 Jun 2024 08:29

Instrument :

MSVOA_V

ClientSampleId :

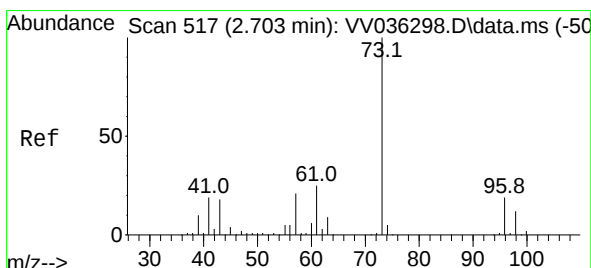
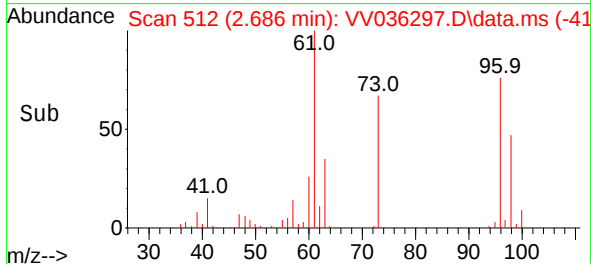
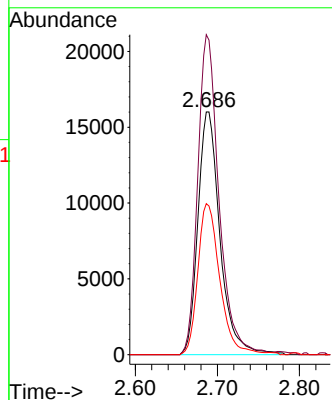
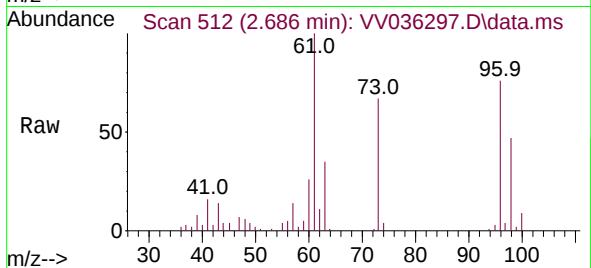
Tgt Ion: 96 Resp: 29935

Ion Ratio Lower Upper

96 100

61 131.8 89.8 166.8

98 62.2 45.3 84.1



#18

Methyl tert-butyl Ether

Concen: 4.579 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.000 min

Lab File: VV036297.D

Acq: 27 Jun 2024 08:29

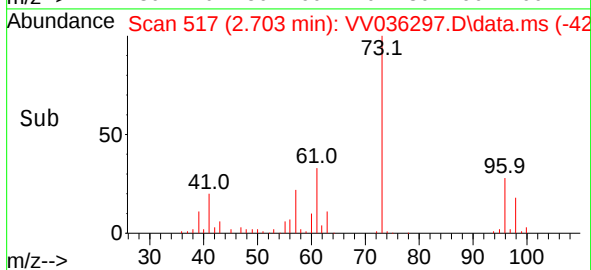
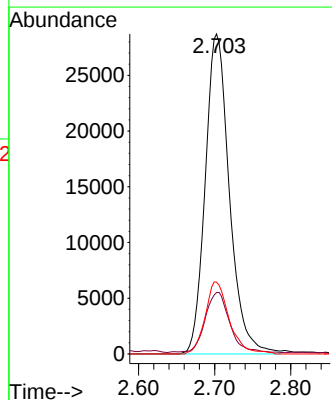
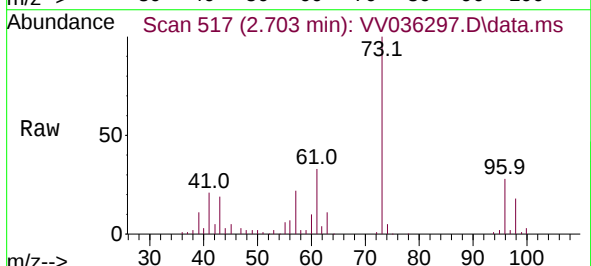
Tgt Ion: 73 Resp: 63480

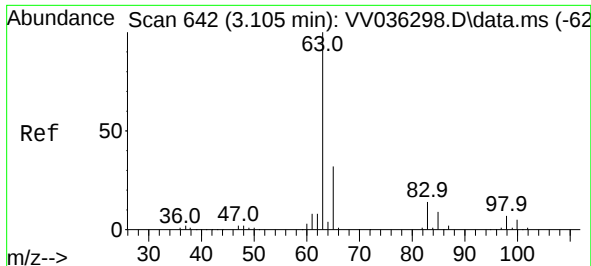
Ion Ratio Lower Upper

73 100

43 18.6 14.7 22.1

57 22.4 17.0 25.6

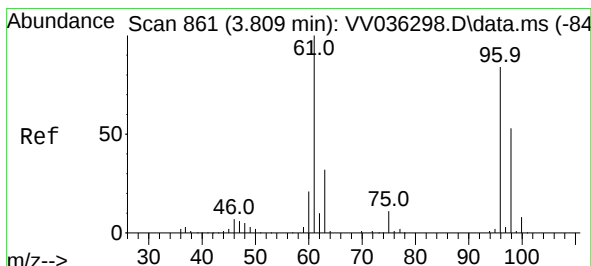
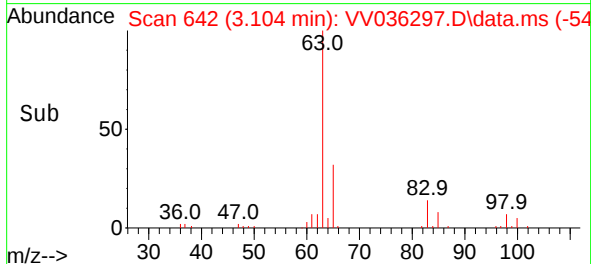
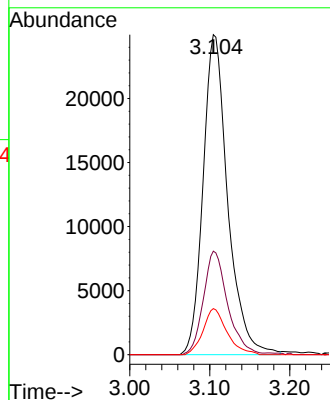
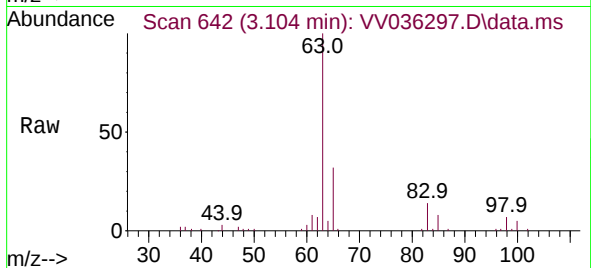




#19
1,1-Dichloroethane
Concen: 5.067 ug/L
RT: 3.104 min Scan# 64
Delta R.T. -0.000 min
Lab File: VV036297.D
Acq: 27 Jun 2024 08:29

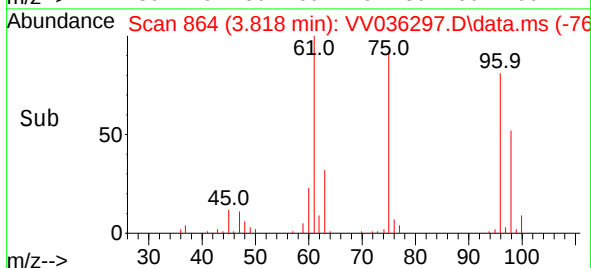
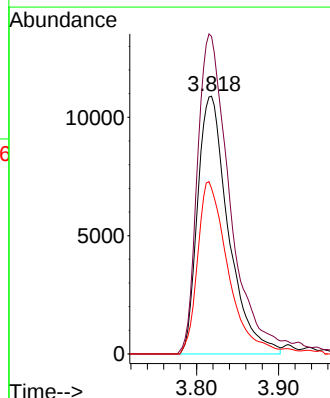
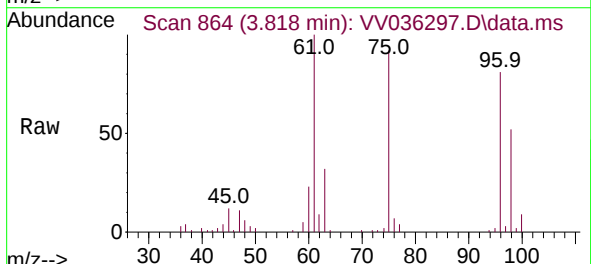
Instrument :
MSVOA_V
ClientSampleId :

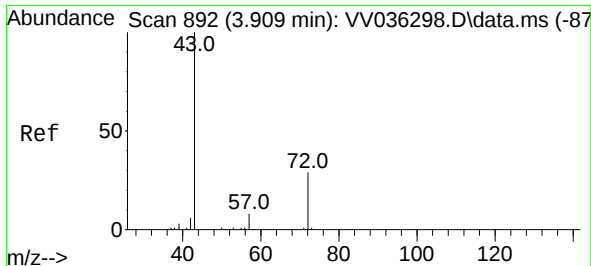
Tgt Ion: 63 Resp: 53652
Ion Ratio Lower Upper
63 100
65 32.3 22.1 41.1
83 14.4 9.7 17.9



#20
cis-1,2-Dichloroethene
Concen: 4.747 ug/L
RT: 3.818 min Scan# 864
Delta R.T. 0.009 min
Lab File: VV036297.D
Acq: 27 Jun 2024 08:29

Tgt Ion: 96 Resp: 28433
Ion Ratio Lower Upper
96 100
61 123.2 83.7 155.5
98 64.2 44.2 82.0





#22

2-Butanone

Concen: 0.143 ug/L

RT: 4.124 min Scan# 90

Delta R.T. 0.215 min

Lab File: VV036297.D

Acq: 27 Jun 2024 08:29

Instrument :

MSVOA_V

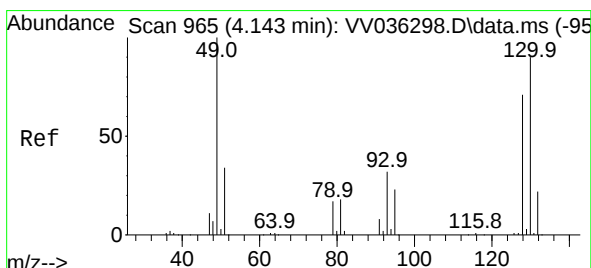
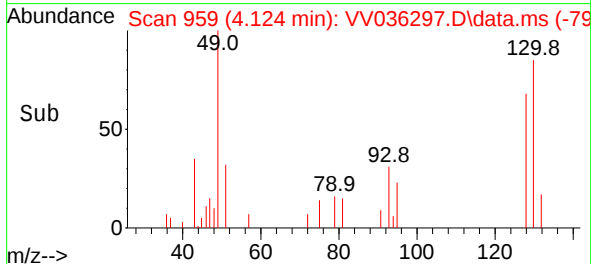
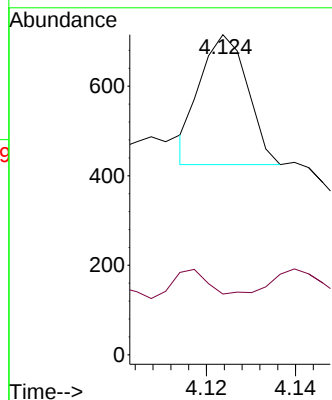
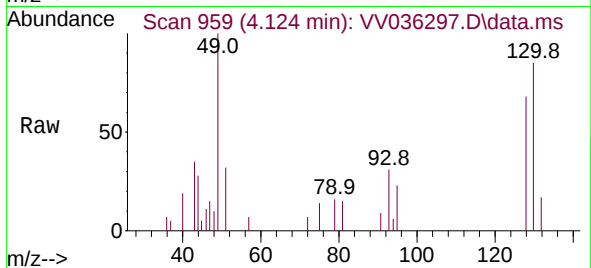
ClientSampleId :

Tgt Ion: 43 Resp: 215

Ion Ratio Lower Upper

43 100

72 17.2 12.9 38.7



#23

Bromochloromethane

Concen: 4.894 ug/L

RT: 4.149 min Scan# 967

Delta R.T. 0.006 min

Lab File: VV036297.D

Acq: 27 Jun 2024 08:29

Tgt Ion: 128 Resp: 15283

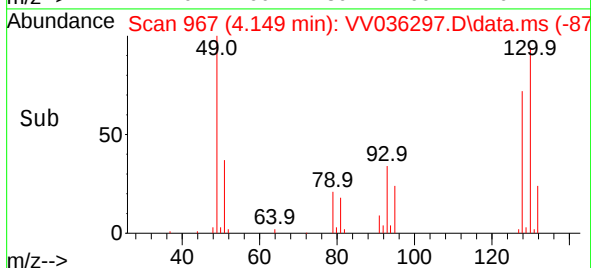
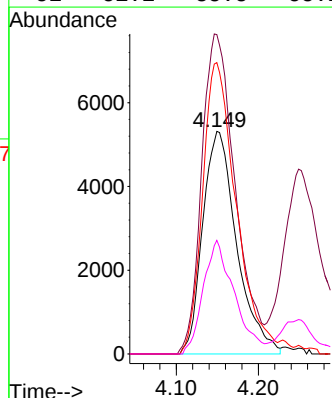
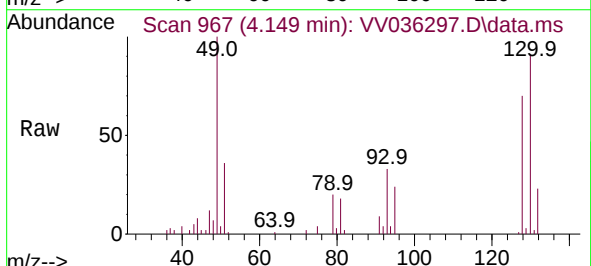
Ion Ratio Lower Upper

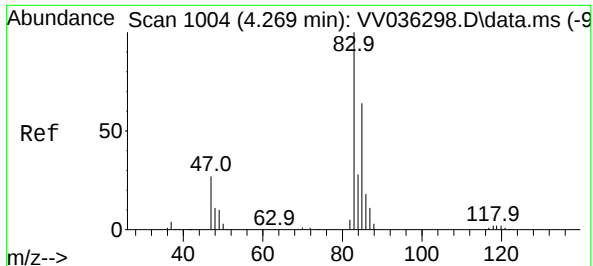
128 100

49 143.5 99.2 184.2

130 130.9 88.9 165.1

51 51.1 38.8 58.2





#25

Chloroform

Concen: 5.108 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. 0.003 min

Lab File: VV036297.D

Acq: 27 Jun 2024 08:29

Instrument :

MSVOA_V

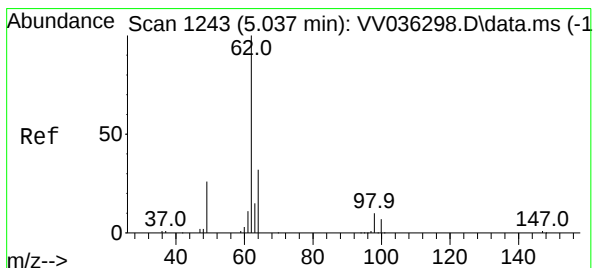
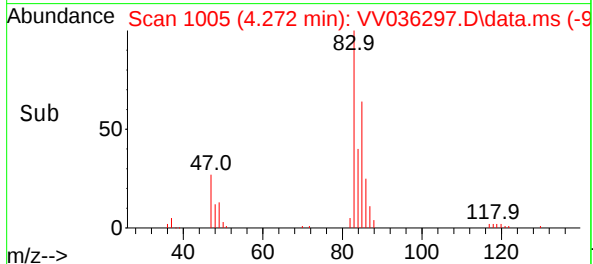
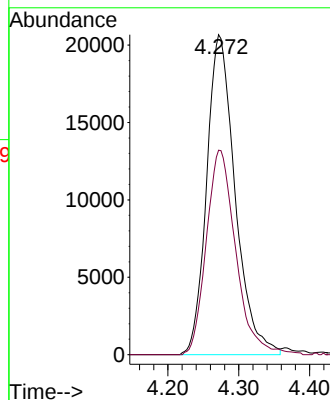
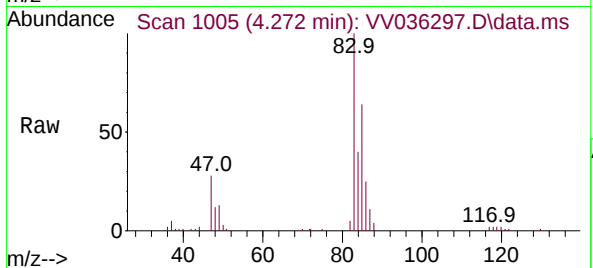
ClientSampleId :

Tgt Ion: 83 Resp: 57680

Ion Ratio Lower Upper

83 100

85 63.9 45.0 83.6



#27

1,2-Dichloroethane

Concen: 4.933 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. 0.006 min

Lab File: VV036297.D

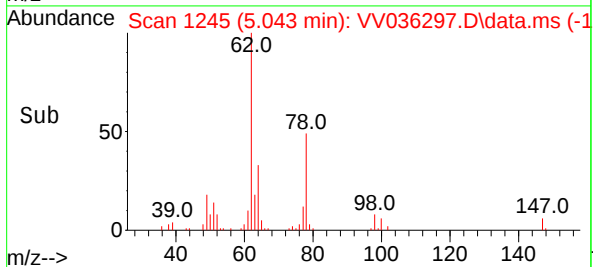
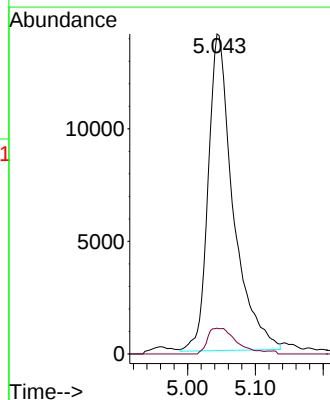
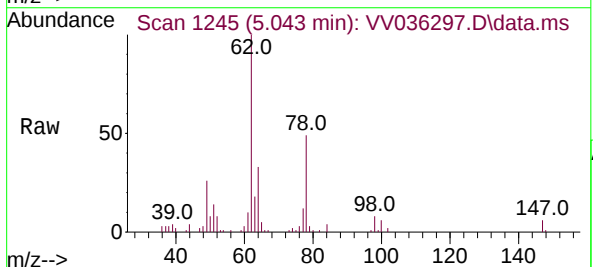
Acq: 27 Jun 2024 08:29

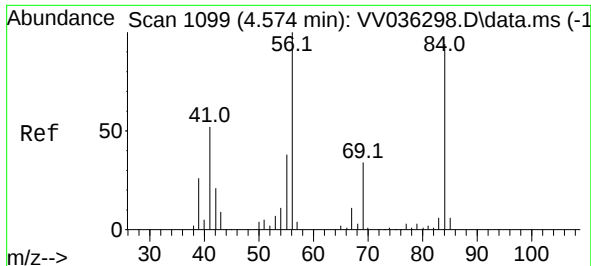
Tgt Ion: 62 Resp: 36069

Ion Ratio Lower Upper

62 100

98 8.0 7.8 11.8





#29

Cyclohexane

Concen: 4.517 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. -0.000 min

Lab File: VV036297.D

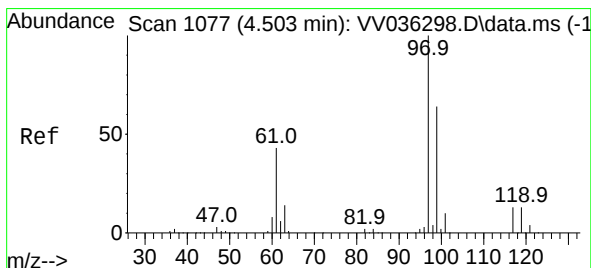
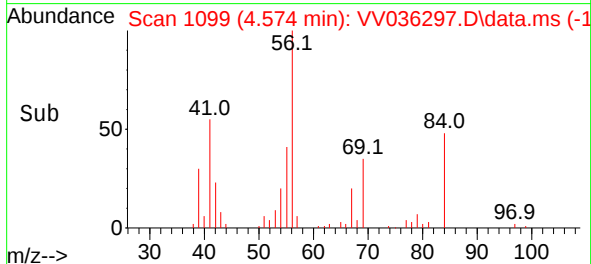
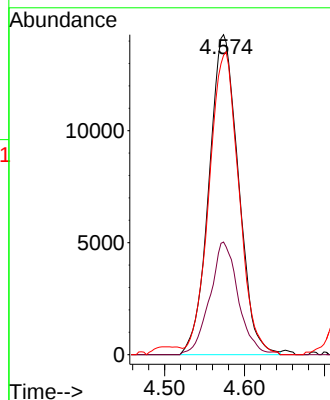
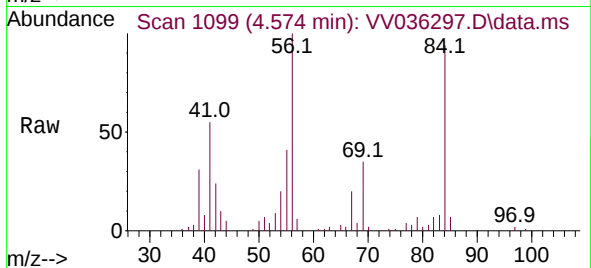
Acq: 27 Jun 2024 08:29

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	56	Resp:	36544
Ion	Ratio	Lower	Upper
56	100		
69	33.8	26.0	39.0
84	95.6	77.4	116.0



#30

1,1,1-Trichloroethane

Concen: 5.049 ug/L

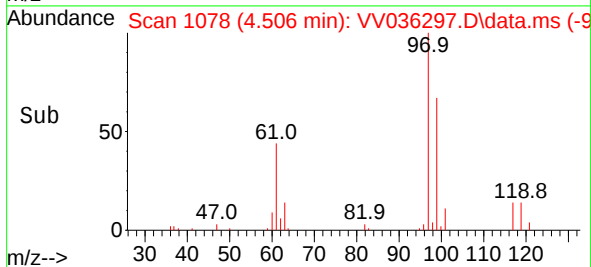
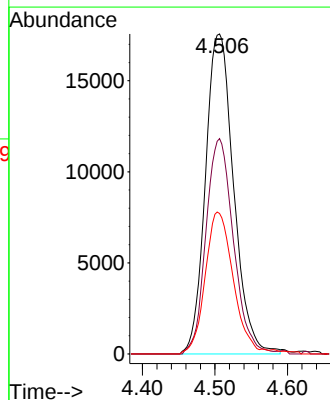
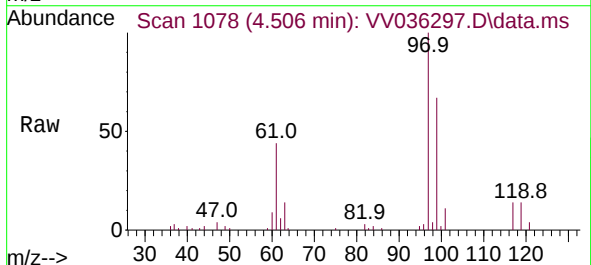
RT: 4.506 min Scan# 1078

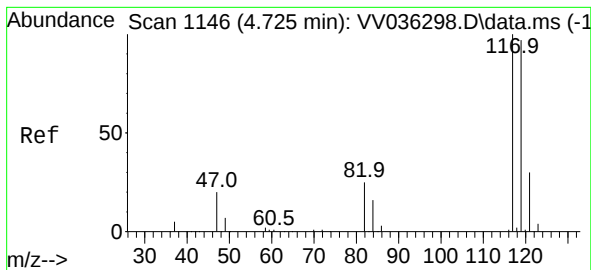
Delta R.T. 0.003 min

Lab File: VV036297.D

Acq: 27 Jun 2024 08:29

Tgt Ion:	97	Resp:	47542
Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.4	77.0
61	43.7	34.8	52.2





#31

Carbon tetrachloride

Concen: 5.067 ug/L

RT: 4.728 min Scan# 1146

Delta R.T. 0.003 min

Lab File: VV036297.D

Acq: 27 Jun 2024 08:29

Instrument :

MSVOA_V

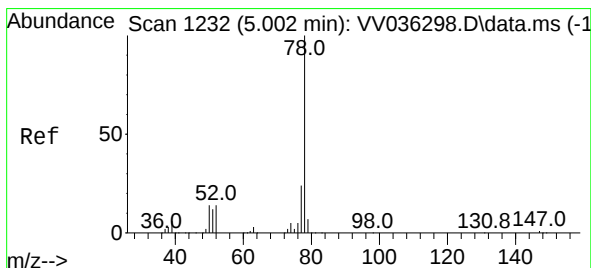
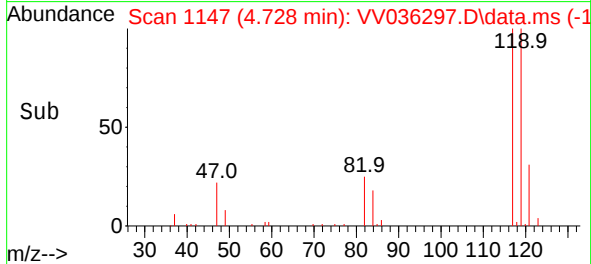
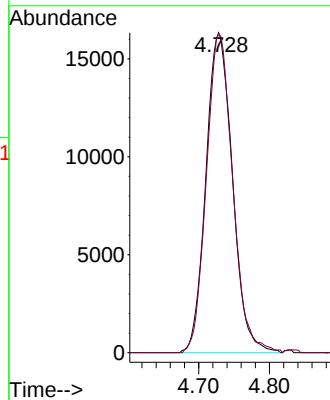
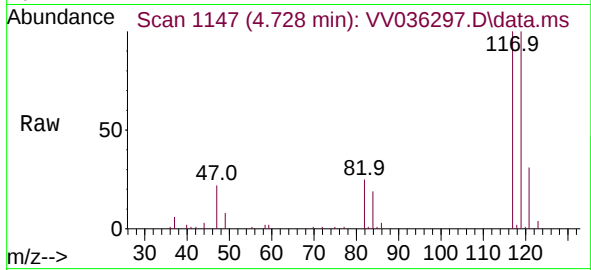
ClientSampleId :

Tgt Ion:117 Resp: 42510

Ion Ratio Lower Upper

117 100

119 98.7 77.2 115.8



#33

Benzene

Concen: 4.957 ug/L

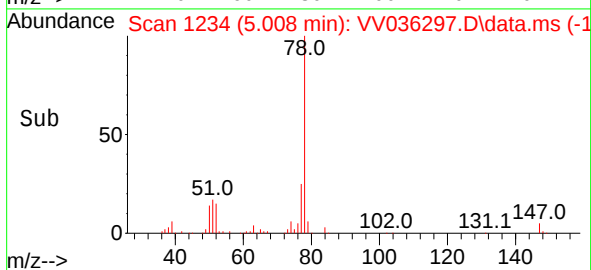
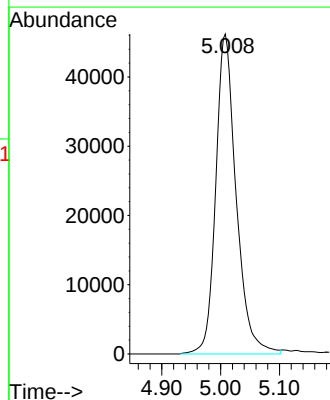
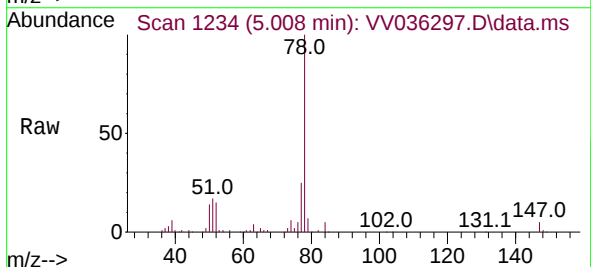
RT: 5.008 min Scan# 1234

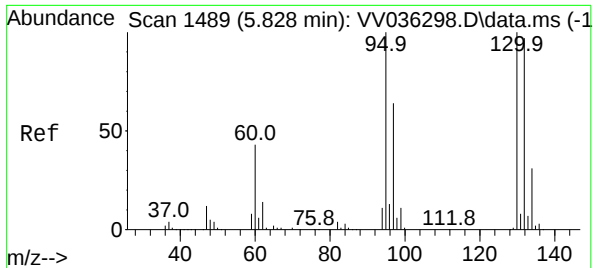
Delta R.T. 0.006 min

Lab File: VV036297.D

Acq: 27 Jun 2024 08:29

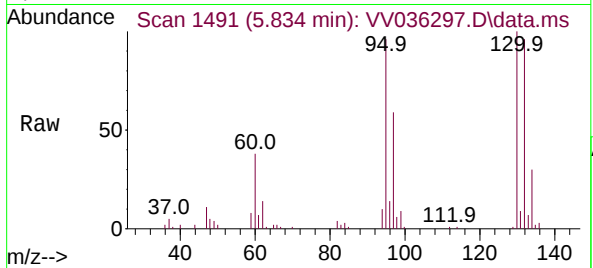
Tgt Ion: 78 Resp: 111503



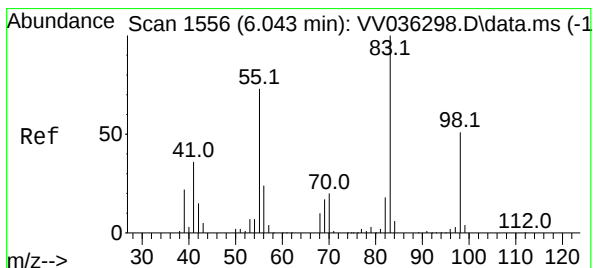
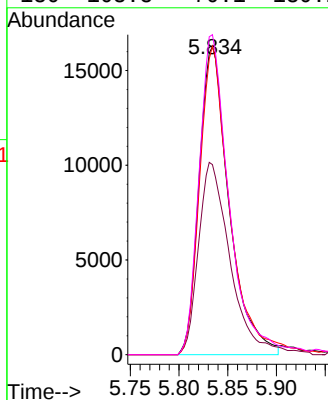
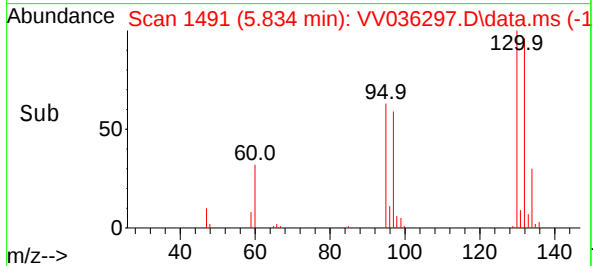


#34
Trichloroethene
Concen: 4.894 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. 0.006 min
Lab File: VV036297.D
Acq: 27 Jun 2024 08:29

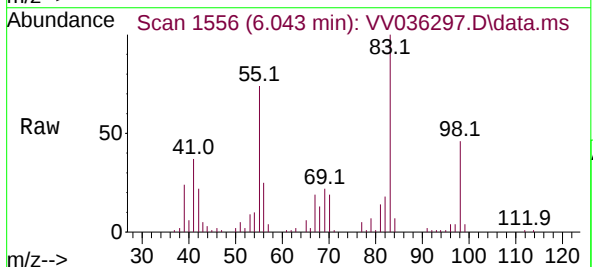
Instrument :
MSVOA_V
ClientSampleId :



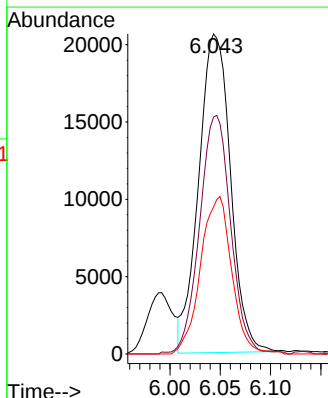
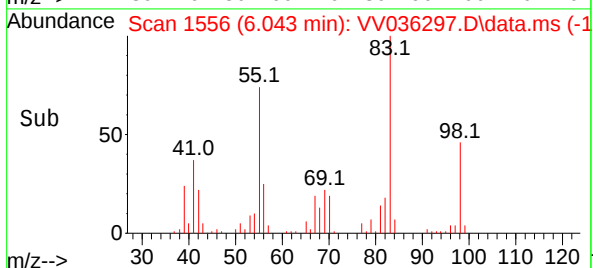
Tgt Ion: 95 Resp: 34736
Ion Ratio Lower Upper
95 100
97 61.7 45.1 83.7
132 100.1 67.7 125.7
130 103.8 70.1 130.1

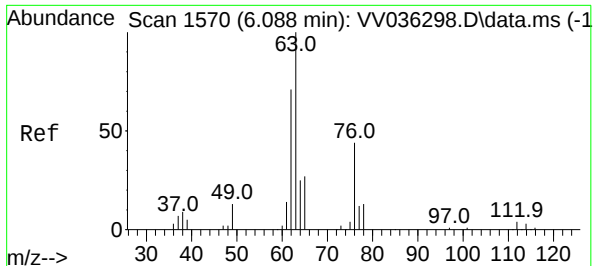


#35
Methylcyclohexane
Concen: 4.600 ug/L
RT: 6.043 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VV036297.D
Acq: 27 Jun 2024 08:29



Tgt Ion: 83 Resp: 45498
Ion Ratio Lower Upper
83 100
55 71.9 56.0 84.0
98 48.1 39.0 58.6

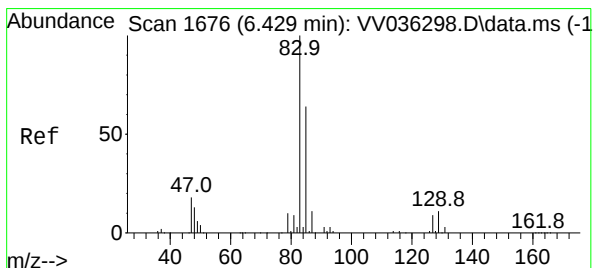
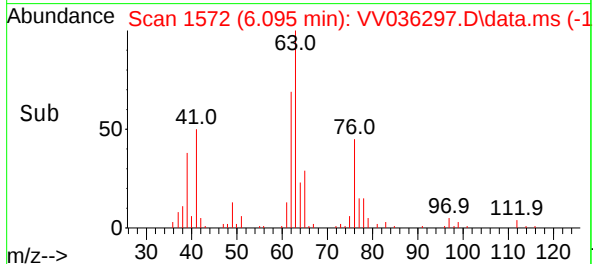
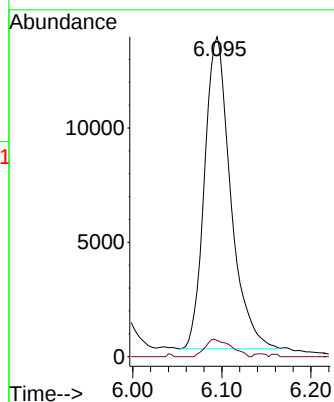
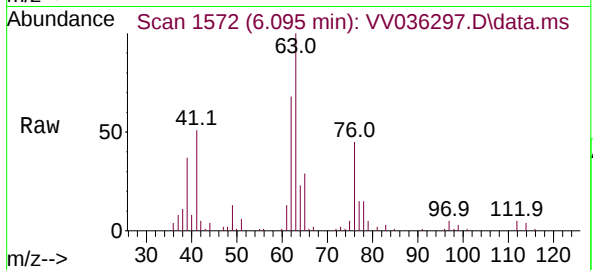




#37
1,2-Dichloropropane
Concen: 4.835 ug/L
RT: 6.095 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VV036297.D
Acq: 27 Jun 2024 08:29

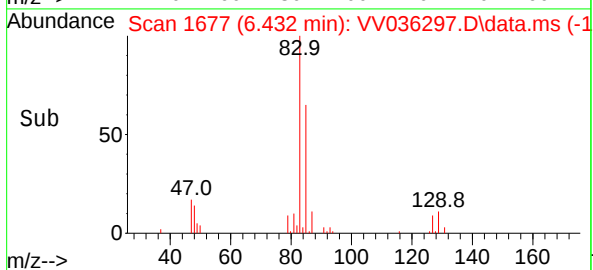
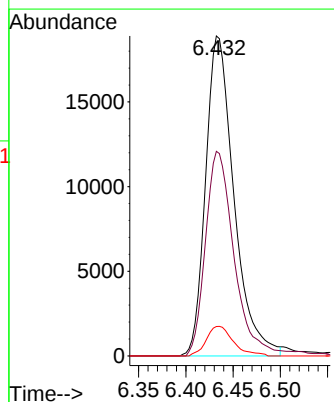
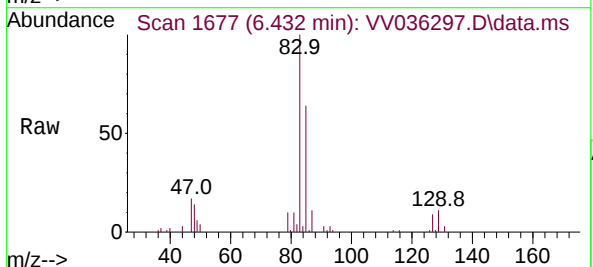
Instrument :
MSVOA_V
ClientSampleId :

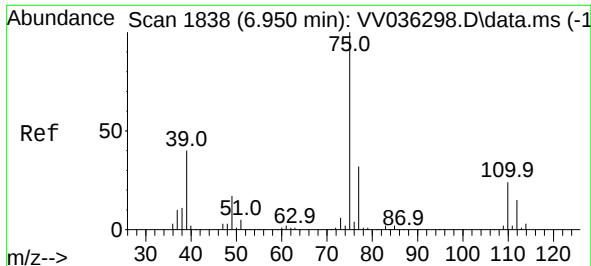
Tgt Ion: 63 Resp: 27772
Ion Ratio Lower Upper
63 100
112 5.5 3.4 5.2#



#38
Bromodichloromethane
Concen: 5.019 ug/L
RT: 6.432 min Scan# 1677
Delta R.T. 0.003 min
Lab File: VV036297.D
Acq: 27 Jun 2024 08:29

Tgt Ion: 83 Resp: 39432
Ion Ratio Lower Upper
83 100
85 64.0 44.9 83.5
127 9.2 7.0 10.6

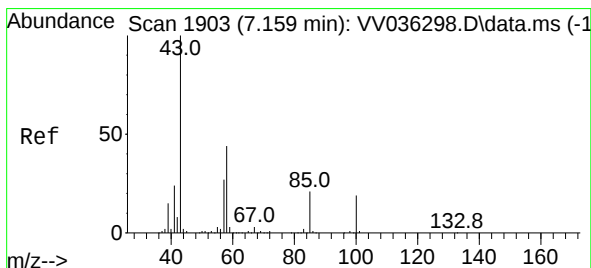
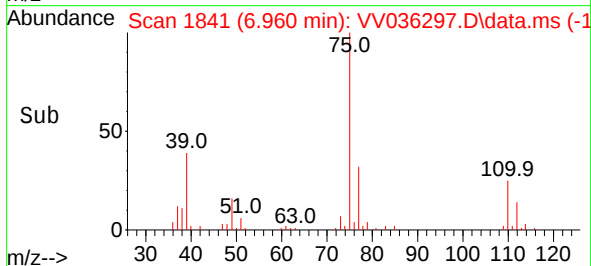
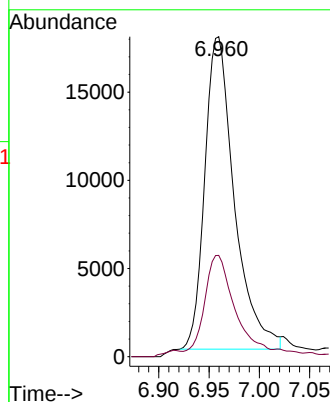
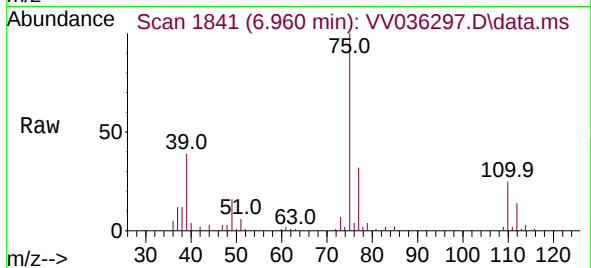




#39
 cis-1,3-Dichloropropene
 Concen: 4.105 ug/L
 RT: 6.960 min Scan# 11
 Delta R.T. 0.009 min
 Lab File: VV036297.D
 Acq: 27 Jun 2024 08:29

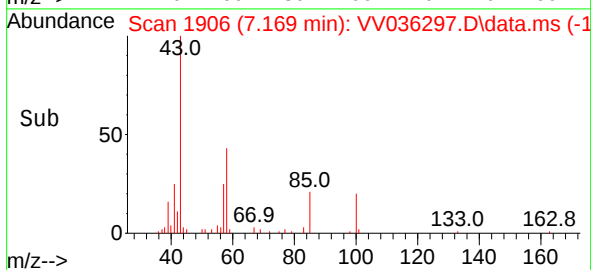
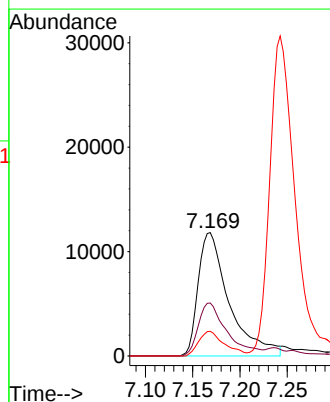
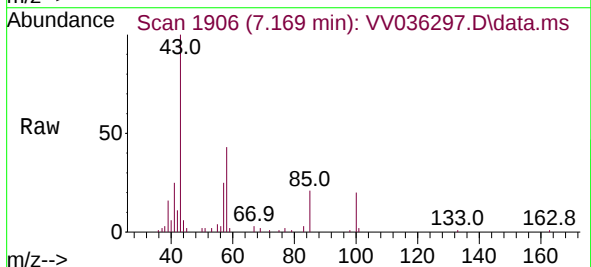
Instrument :
 MSVOA_V
 ClientSampleId :

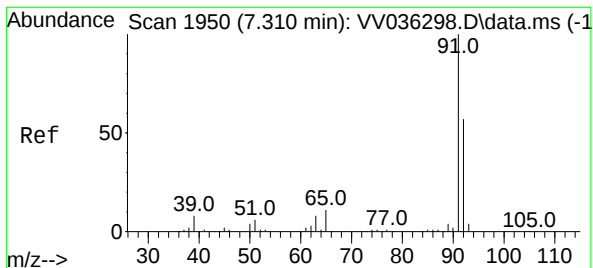
Tgt Ion: 75 Resp: 36262
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 8.355 ug/L
 RT: 7.169 min Scan# 1906
 Delta R.T. 0.009 min
 Lab File: VV036297.D
 Acq: 27 Jun 2024 08:29

Tgt Ion: 43 Resp: 26987
 Ion Ratio Lower Upper
 43 100
 58 39.7 34.8 52.2
 100 16.7 14.6 21.8





#42

Toluene

Concen: 4.682 ug/L

RT: 7.316 min Scan# 1950

Delta R.T. 0.006 min

Lab File: VV036297.D

Acq: 27 Jun 2024 08:29

Instrument :

MSVOA_V

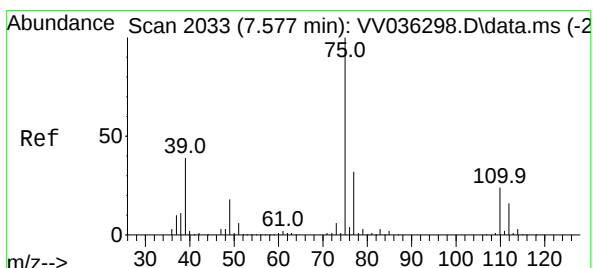
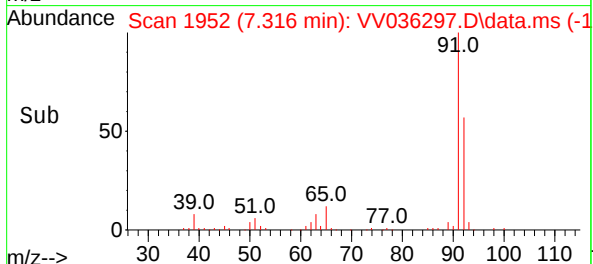
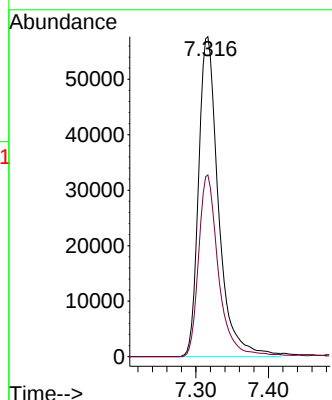
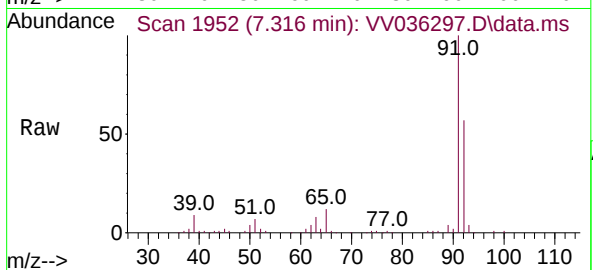
ClientSampleId :

Tgt Ion: 91 Resp: 110116

Ion Ratio Lower Upper

91 100

92 56.8 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 4.408 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.009 min

Lab File: VV036297.D

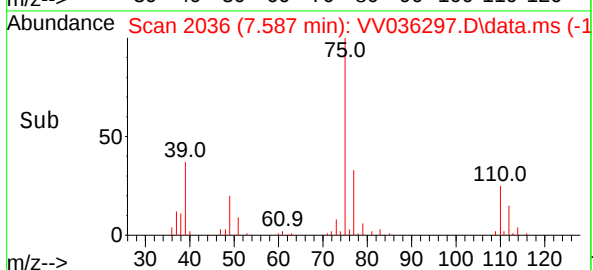
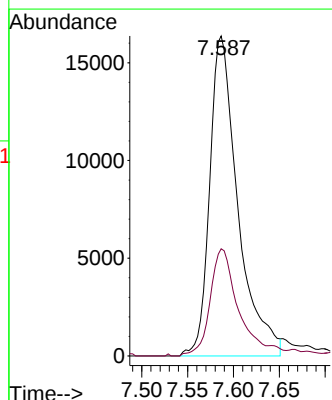
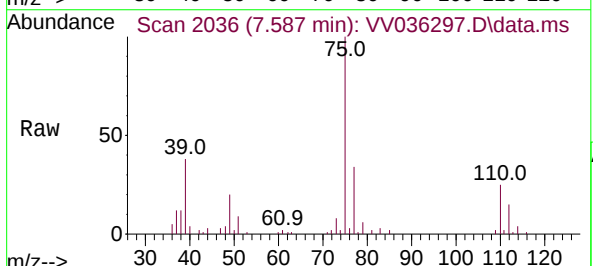
Acq: 27 Jun 2024 08:29

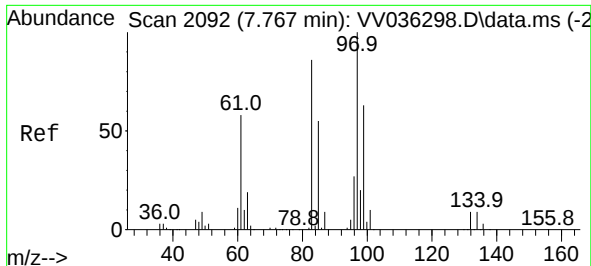
Tgt Ion: 75 Resp: 35017

Ion Ratio Lower Upper

75 100

77 33.5 22.5 41.9

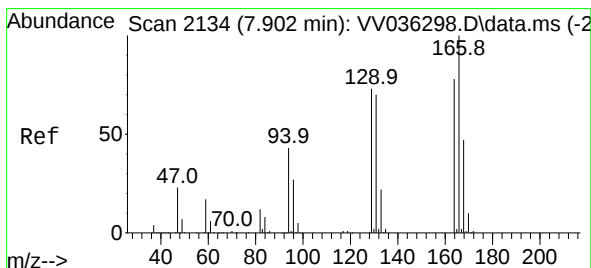
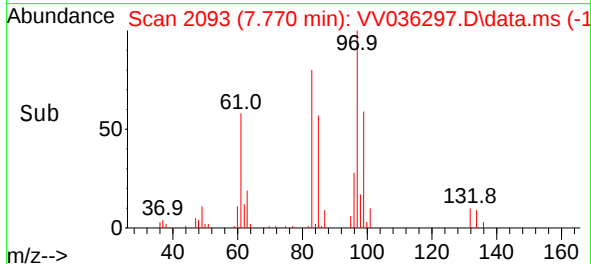
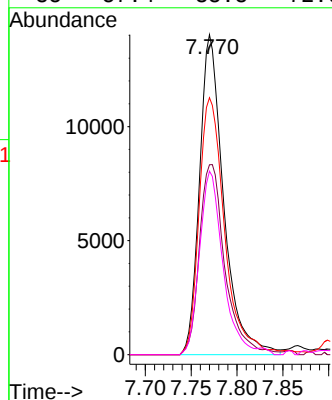
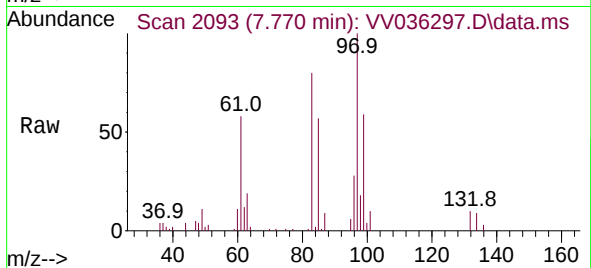




#45
1,1,2-Trichloroethane
Concen: 5.061 ug/L
RT: 7.770 min Scan# 2092
Delta R.T. 0.003 min
Lab File: VV036297.D
Acq: 27 Jun 2024 08:29

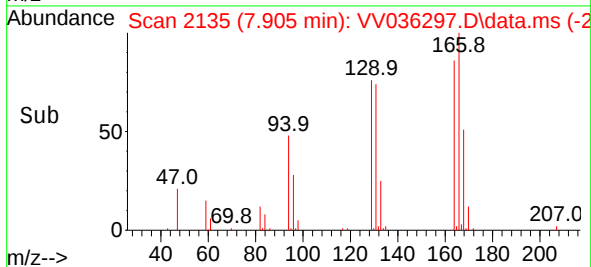
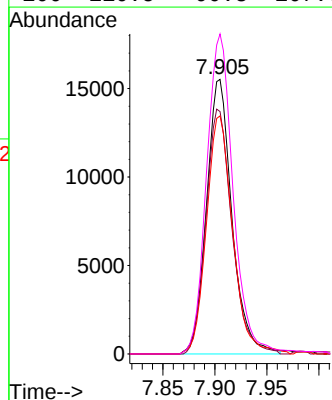
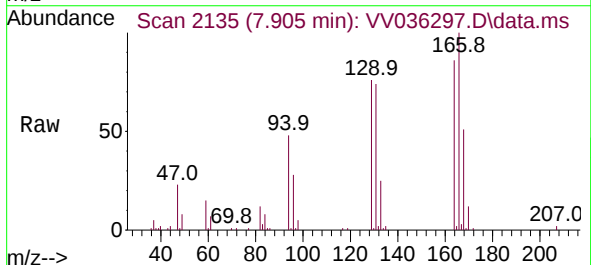
Instrument :
MSVOA_V
ClientSampleId :

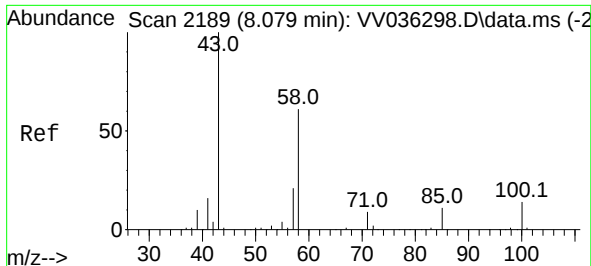
Tgt Ion:	97	Resp:	25695
Ion	Ratio	Lower	Upper
97	100		
99	59.3	43.8	81.3
83	80.3	60.6	112.6
85	57.4	38.8	72.0



#46
Tetrachloroethene
Concen: 5.135 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.003 min
Lab File: VV036297.D
Acq: 27 Jun 2024 08:29

Tgt Ion:	164	Resp:	26490
Ion	Ratio	Lower	Upper
164	100		
129	88.3	65.9	122.5
131	86.7	63.3	117.7
166	116.5	90.3	167.7





#48

2-Hexanone

Concen: 7.110 ug/L

RT: 8.091 min Scan# 2189

Delta R.T. 0.013 min

Lab File: VV036297.D

Acq: 27 Jun 2024 08:29

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 18242

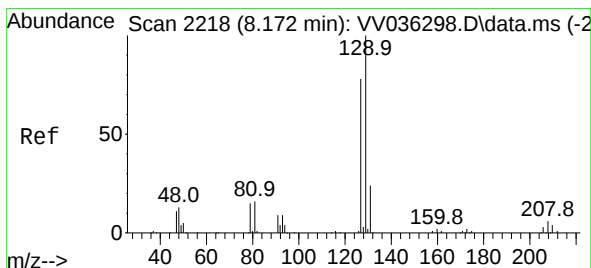
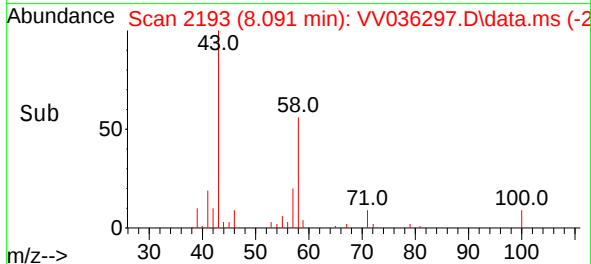
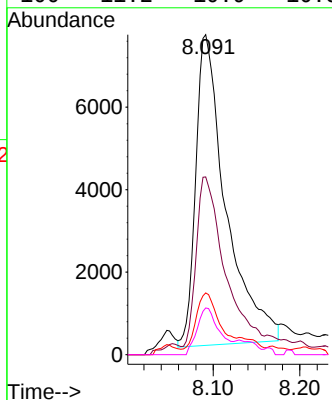
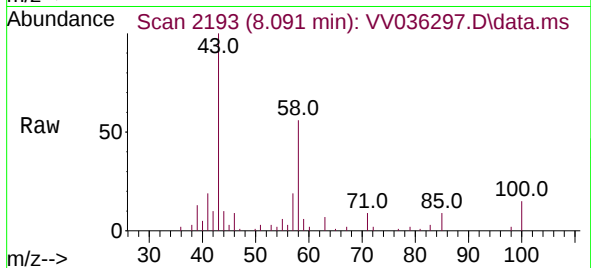
Ion Ratio Lower Upper

43 100

58 52.2 48.5 72.7

57 13.5 15.8 23.6#

100 11.2 10.9 16.3



#49

Dibromochloromethane

Concen: 4.927 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.003 min

Lab File: VV036297.D

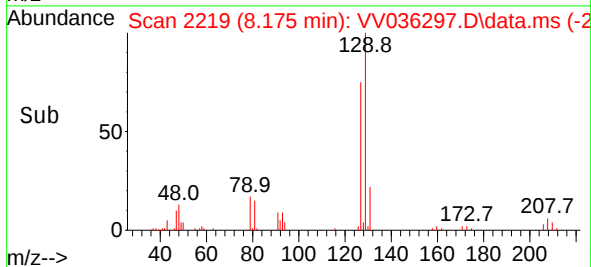
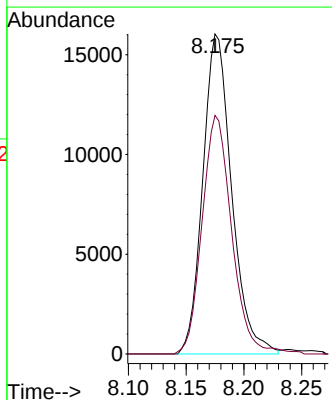
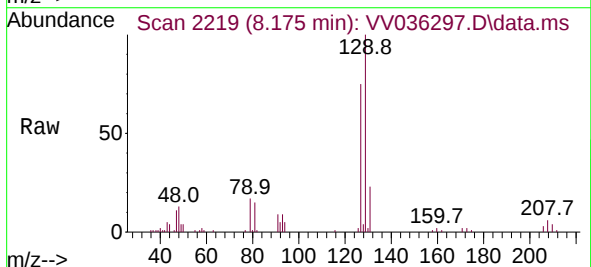
Acq: 27 Jun 2024 08:29

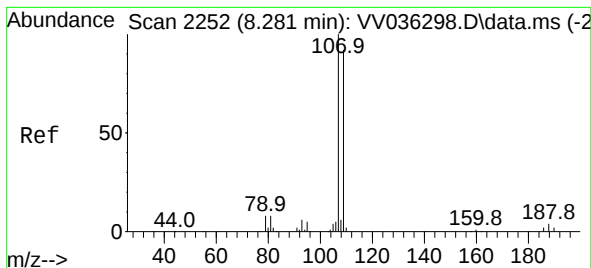
Tgt Ion: 129 Resp: 27889

Ion Ratio Lower Upper

129 100

127 74.6 54.9 101.9





#50

1,2-Dibromoethane

Concen: 4.812 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV036297.D

Acq: 27 Jun 2024 08:29

Instrument :

MSVOA_V

ClientSampleId :

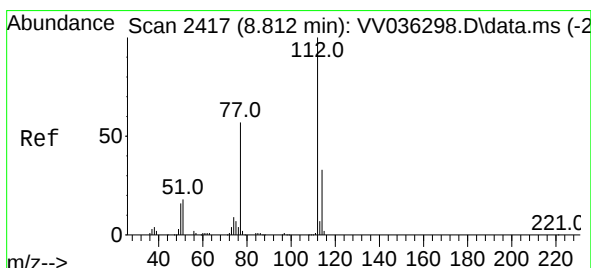
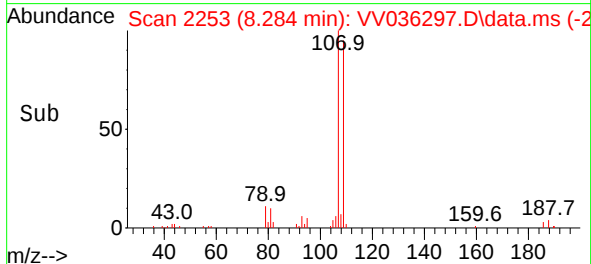
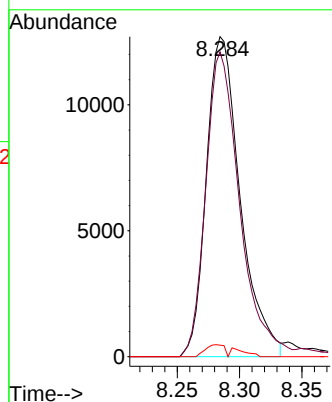
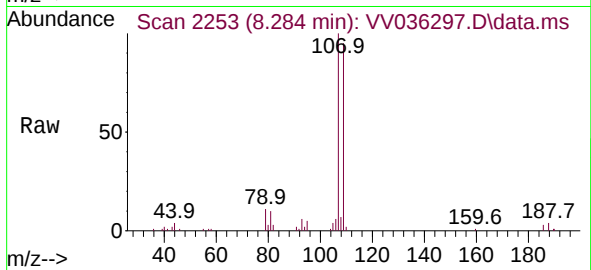
Tgt Ion:107 Resp: 24067

Ion Ratio Lower Upper

107 100

109 95.2 64.7 120.1

188 3.6 3.0 4.6



#51

Chlorobenzene

Concen: 4.976 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. -0.000 min

Lab File: VV036297.D

Acq: 27 Jun 2024 08:29

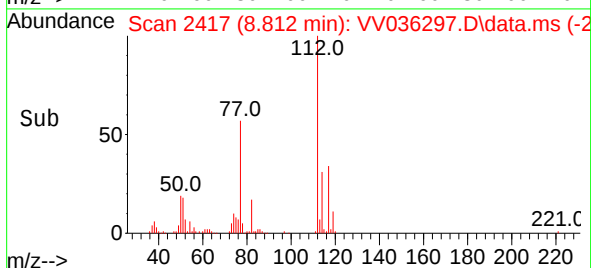
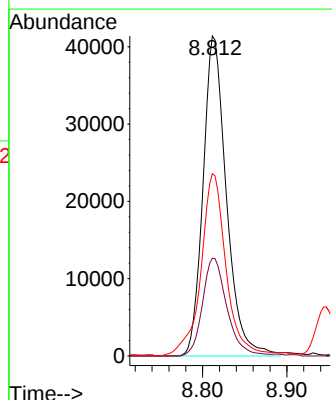
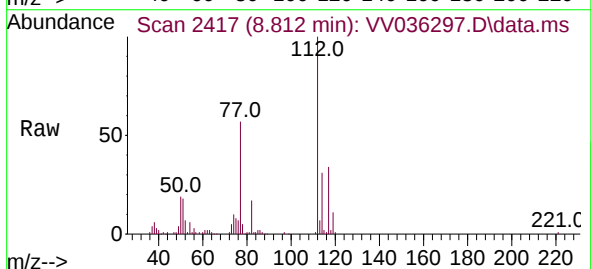
Tgt Ion:112 Resp: 79992

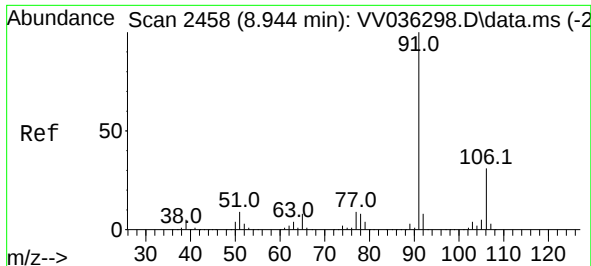
Ion Ratio Lower Upper

112 100

114 30.6 22.8 42.4

77 56.9 46.2 69.2





#52

Ethylbenzene

Concen: 4.517 ug/L

RT: 8.947 min Scan# 2458

Delta R.T. 0.003 min

Lab File: VV036297.D

Acq: 27 Jun 2024 08:29

Instrument :

MSVOA_V

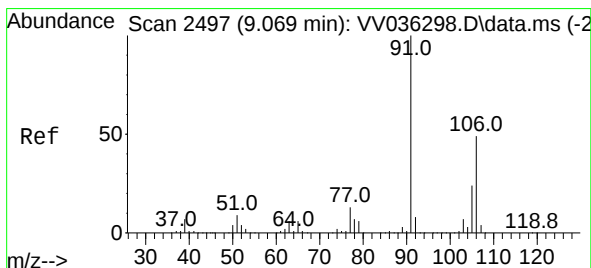
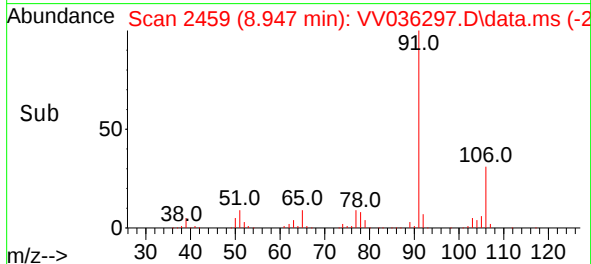
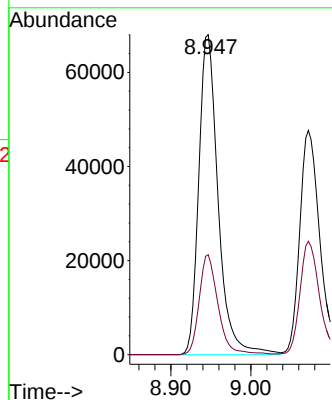
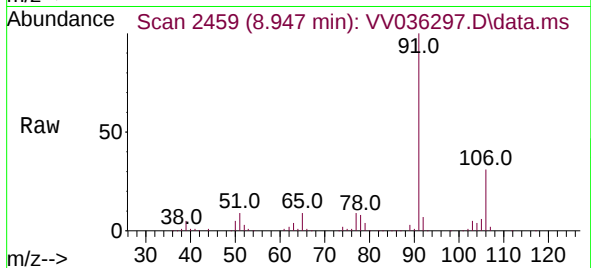
ClientSampleId :

Tgt Ion: 91 Resp: 114630

Ion Ratio Lower Upper

91 100

106 31.2 21.8 40.4



#53

m,p-Xylene

Concen: 4.505 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.003 min

Lab File: VV036297.D

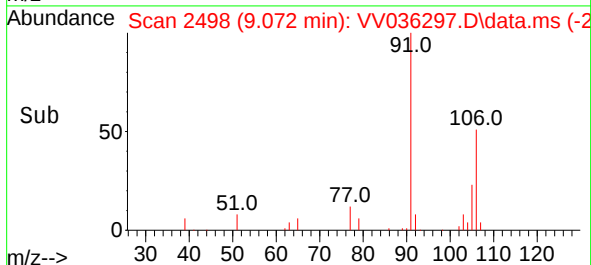
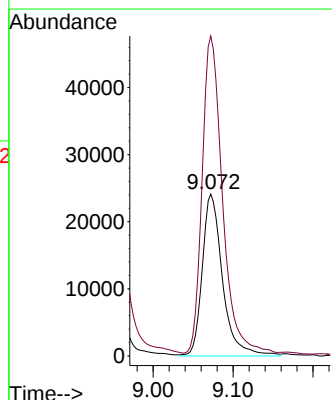
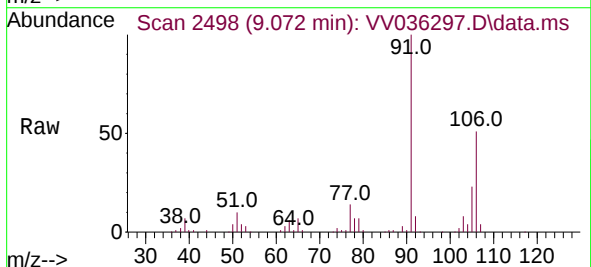
Acq: 27 Jun 2024 08:29

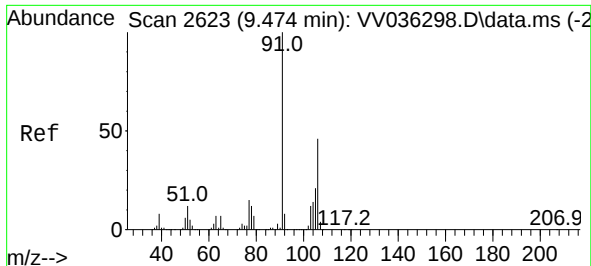
Tgt Ion:106 Resp: 42611

Ion Ratio Lower Upper

106 100

91 197.7 142.2 264.0





#54

o-Xylene

Concen: 4.241 ug/L

RT: 9.477 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV036297.D

Acq: 27 Jun 2024 08:29

Instrument :

MSVOA_V

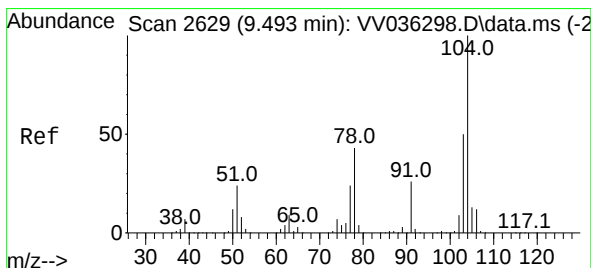
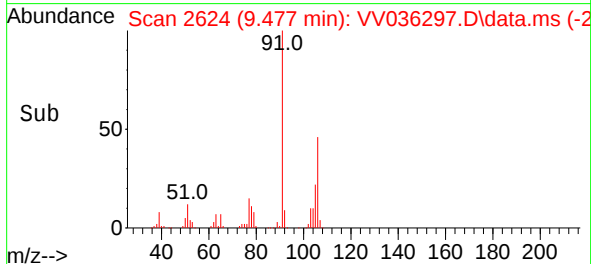
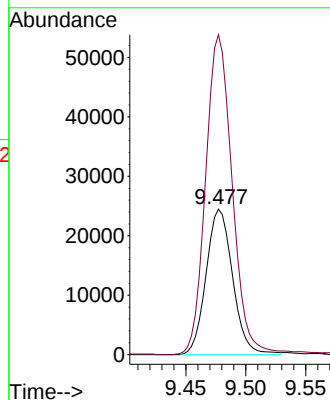
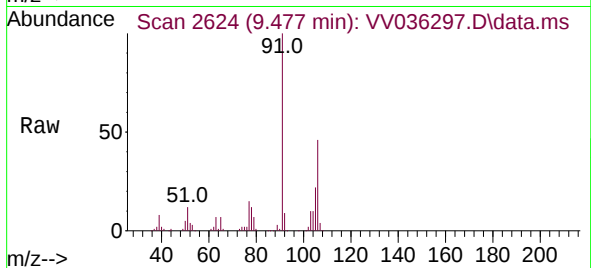
ClientSampleId :

Tgt Ion:106 Resp: 37725

Ion Ratio Lower Upper

106 100

91 219.7 152.7 283.7



#55

Styrene

Concen: 4.137 ug/L

RT: 9.496 min Scan# 2630

Delta R.T. 0.003 min

Lab File: VV036297.D

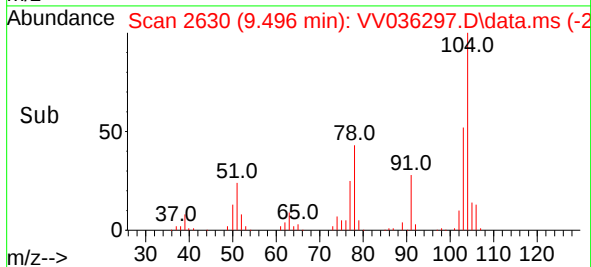
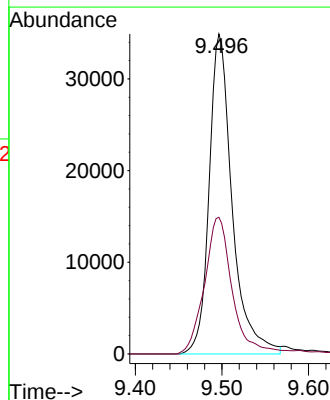
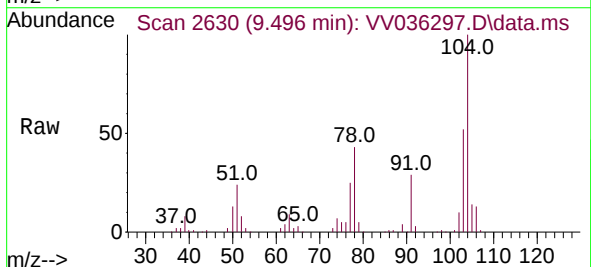
Acq: 27 Jun 2024 08:29

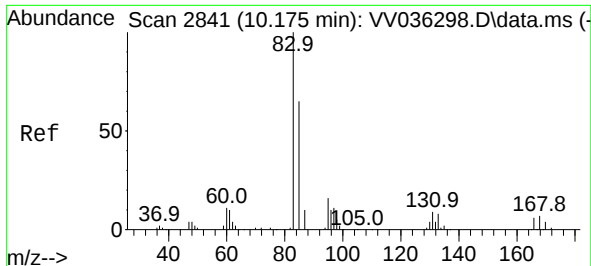
Tgt Ion:104 Resp: 64501

Ion Ratio Lower Upper

104 100

78 42.7 30.2 56.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.024 ug/L

RT: 10.178 min Scan# 2841

Delta R.T. 0.003 min

Lab File: VV036297.D

Acq: 27 Jun 2024 08:29

Instrument :

MSVOA_V

ClientSampleId :

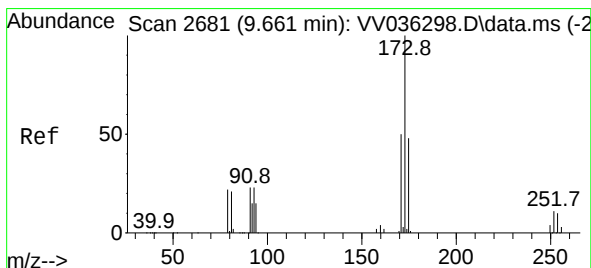
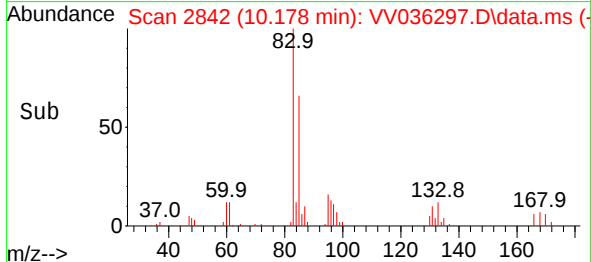
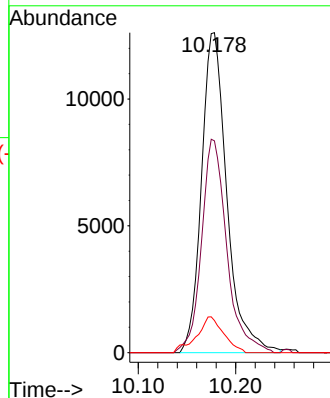
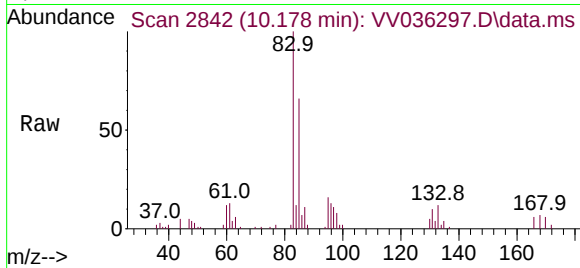
Tgt Ion: 83 Resp: 22829

Ion Ratio Lower Upper

83 100

85 66.2 45.7 84.9

131 10.0 7.8 11.6



#59

Bromoform

Concen: 5.034 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. 0.006 min

Lab File: VV036297.D

Acq: 27 Jun 2024 08:29

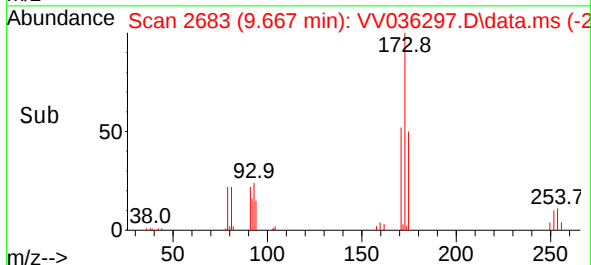
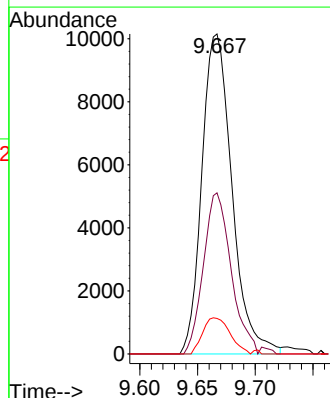
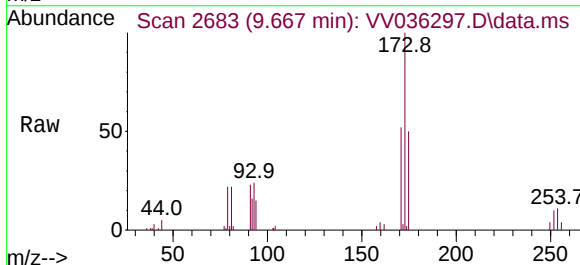
Tgt Ion: 173 Resp: 18407

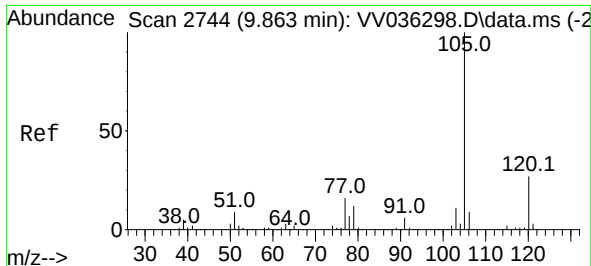
Ion Ratio Lower Upper

173 100

175 46.3 38.9 58.3

254 10.2 7.2 10.8



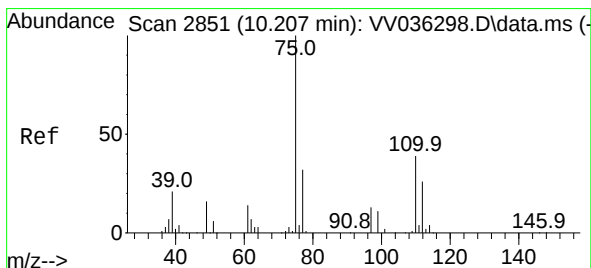
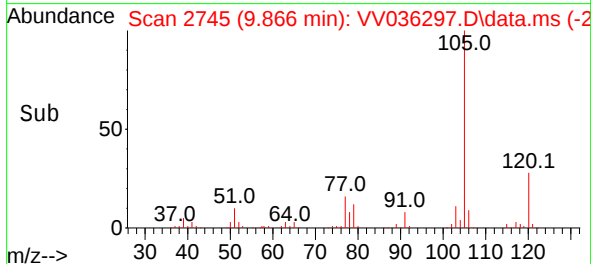
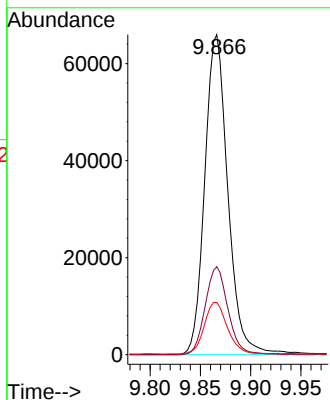
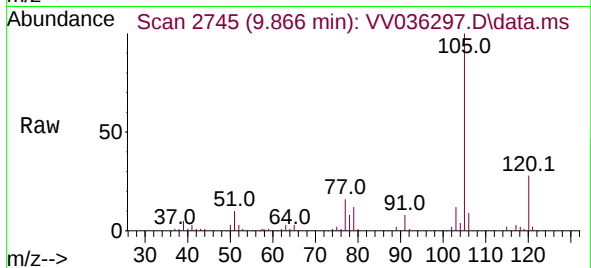


#60
Isopropylbenzene
Concen: 4.503 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV036297.D
Acq: 27 Jun 2024 08:29

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:105 Resp: 105145

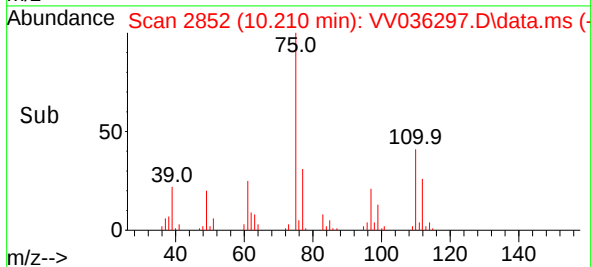
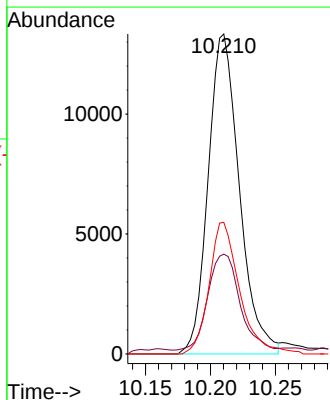
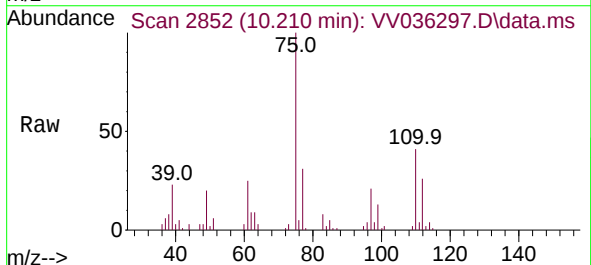
Ion	Ratio	Lower	Upper
105	100		
120	27.1	21.2	31.8
77	16.1	12.5	18.7

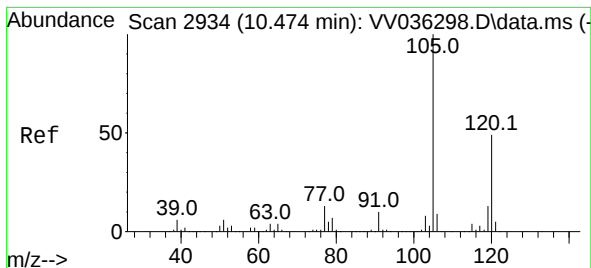


#61
1,2,3-Trichloropropane
Concen: 5.108 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VV036297.D
Acq: 27 Jun 2024 08:29

Tgt Ion: 75 Resp: 22268

Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.2	37.8
110	40.2	31.7	47.5





#62

1,3,5-Trimethylbenzene

Concen: 4.141 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV036297.D

Acq: 27 Jun 2024 08:29

Instrument :

MSVOA_V

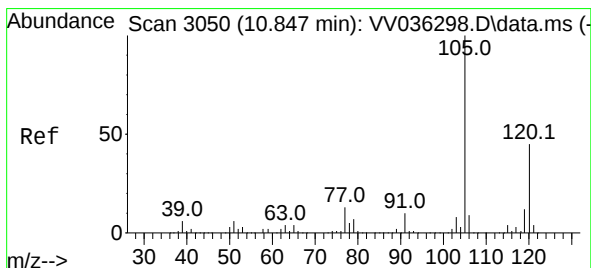
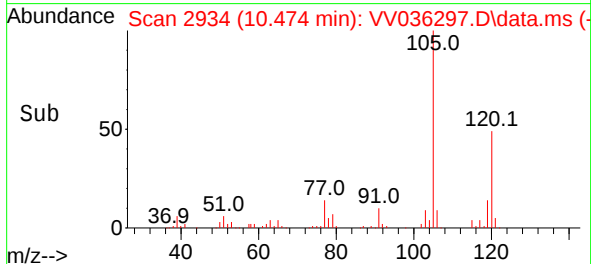
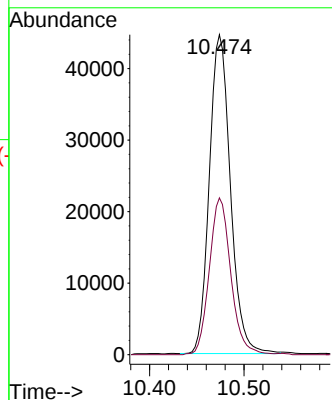
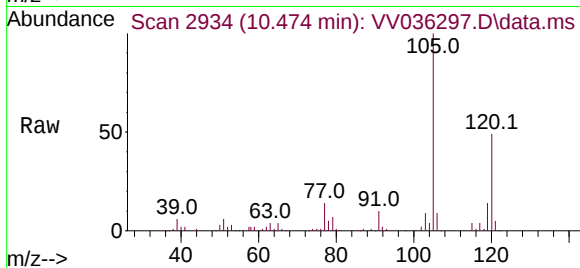
ClientSampleId :

Tgt Ion:105 Resp: 69196

Ion Ratio Lower Upper

105 100

120 50.0 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 4.091 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV036297.D

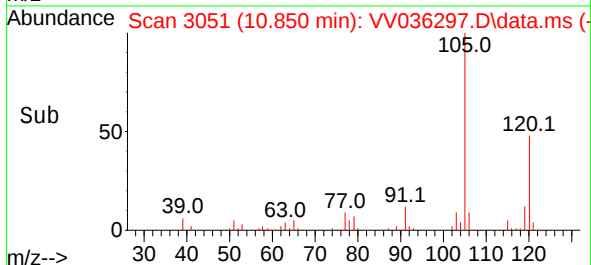
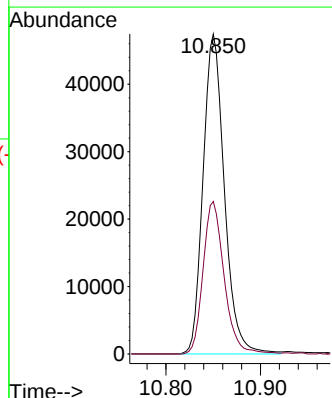
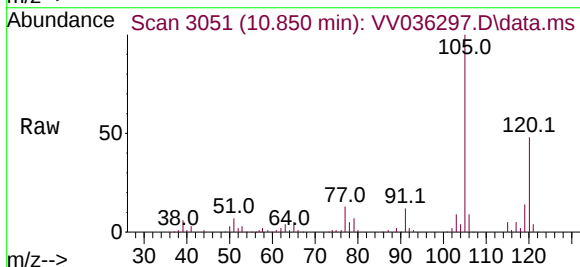
Acq: 27 Jun 2024 08:29

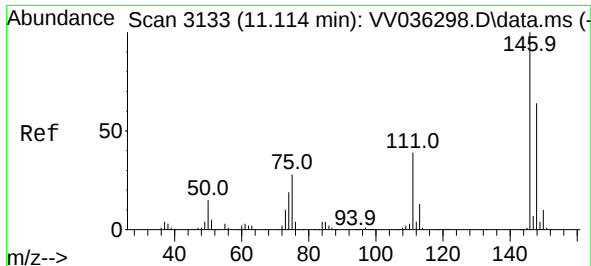
Tgt Ion:105 Resp: 74288

Ion Ratio Lower Upper

105 100

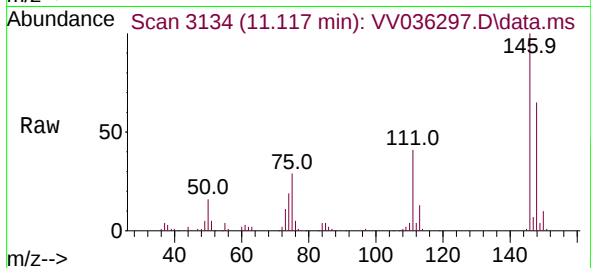
120 47.1 36.2 54.4



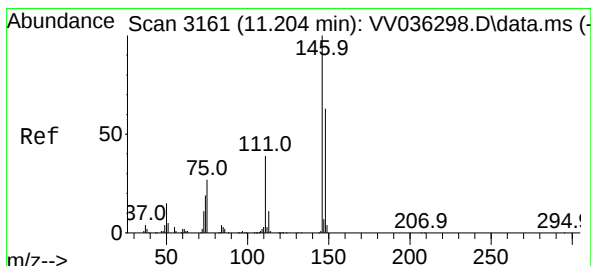
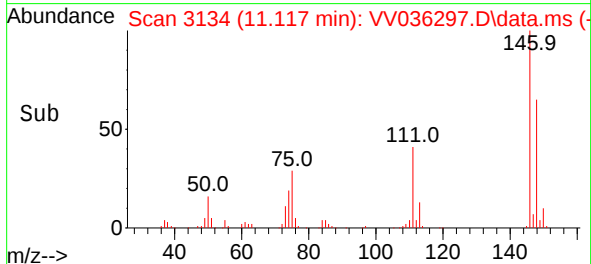
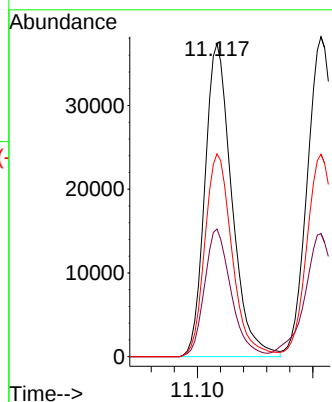


#64
1,3-Dichlorobenzene
Concen: 4.979 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.003 min
Lab File: VV036297.D
Acq: 27 Jun 2024 08:29

Instrument :
MSVOA_V
ClientSampleId :

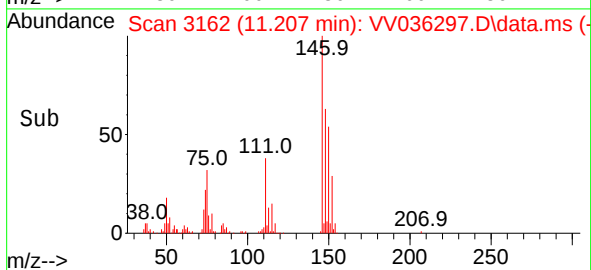
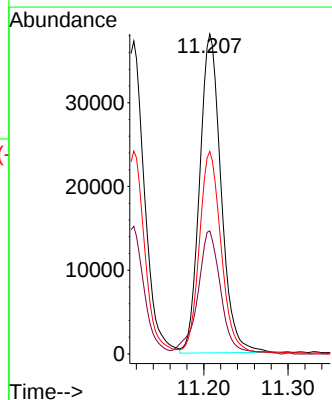
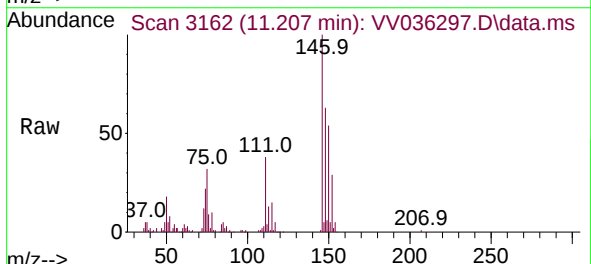


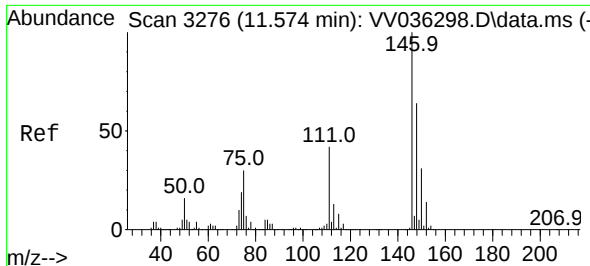
Tgt Ion:146 Resp: 60579
Ion Ratio Lower Upper
146 100
111 40.8 27.5 51.1
148 64.8 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 5.175 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.003 min
Lab File: VV036297.D
Acq: 27 Jun 2024 08:29

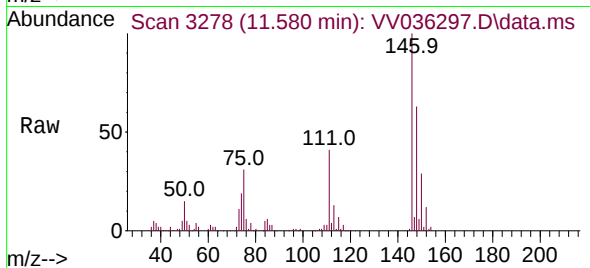
Tgt Ion:146 Resp: 67488
Ion Ratio Lower Upper
146 100
111 38.4 27.5 51.1
148 63.2 44.0 81.8



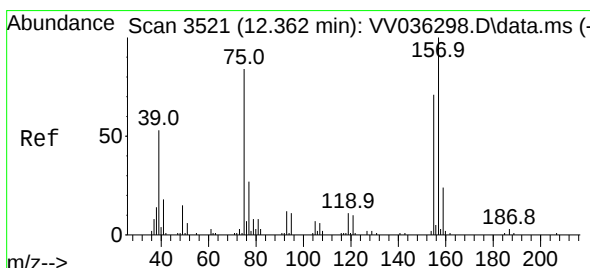
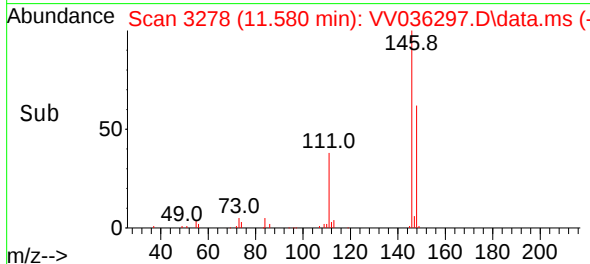
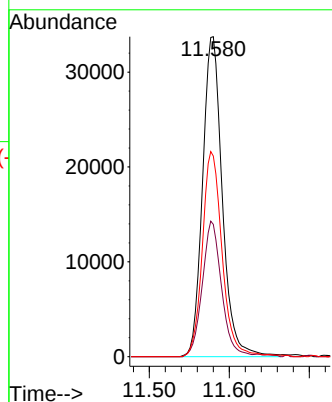


#67
1,2-Dichlorobenzene
Concen: 4.996 ug/L
RT: 11.580 min Scan# 31
Delta R.T. 0.006 min
Lab File: VV036297.D
Acq: 27 Jun 2024 08:29

Instrument :
MSVOA_V
ClientSampleId :

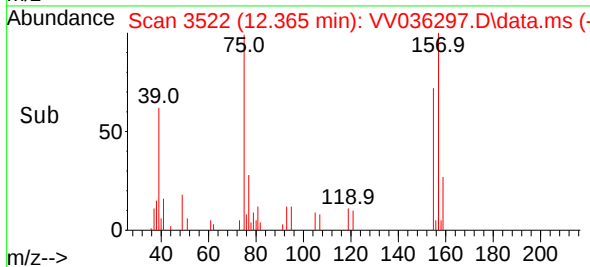
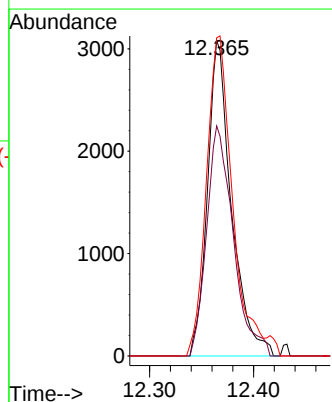
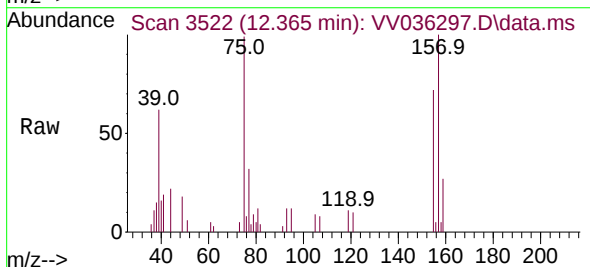


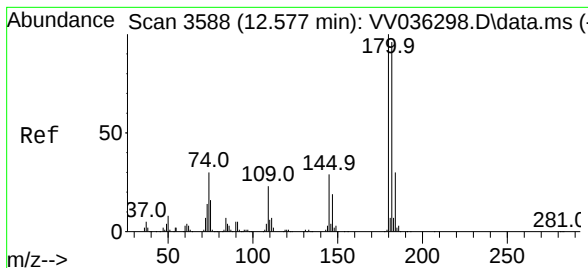
Tgt Ion:146 Resp: 58033
Ion Ratio Lower Upper
146 100
111 41.3 33.3 49.9
148 62.7 51.1 76.7



#68
1,2-Dibromo-3-chloropropane
Concen: 5.048 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. 0.003 min
Lab File: VV036297.D
Acq: 27 Jun 2024 08:29

Tgt Ion: 75 Resp: 4937
Ion Ratio Lower Upper
75 100
155 73.1 68.3 102.5
157 101.0 95.7 143.5





#69

1,3,5-Trichlorobenzene

Concen: 4.945 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.003 min

Lab File: VV036297.D

Acq: 27 Jun 2024 08:29

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 45302

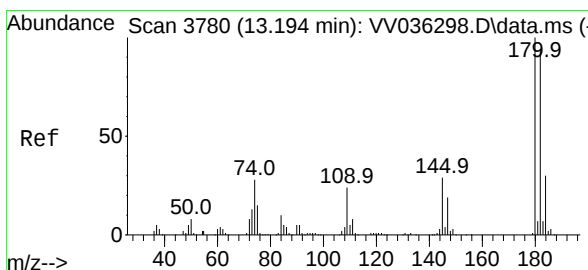
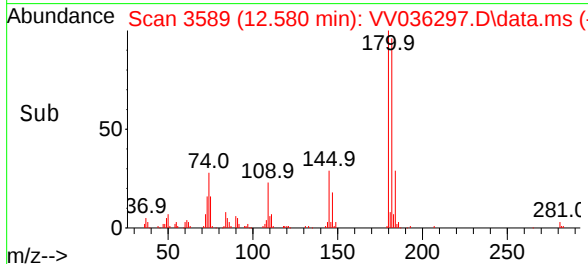
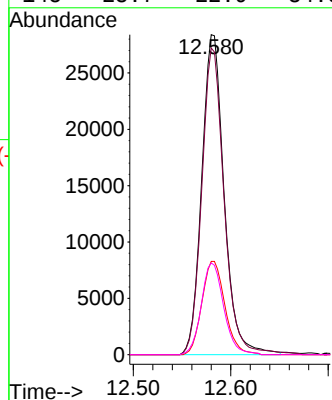
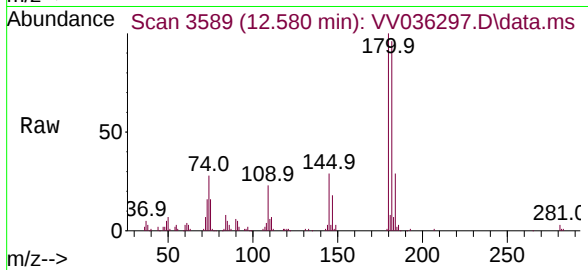
Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.4

184 30.0 23.3 34.9

145 28.7 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 4.689 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV036297.D

Acq: 27 Jun 2024 08:29

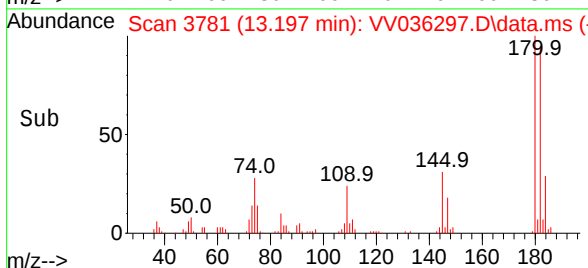
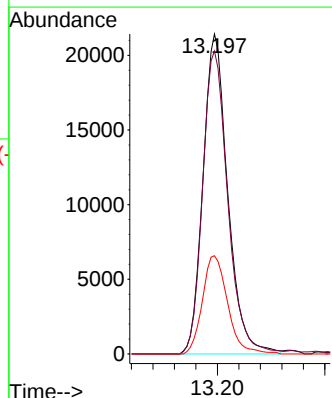
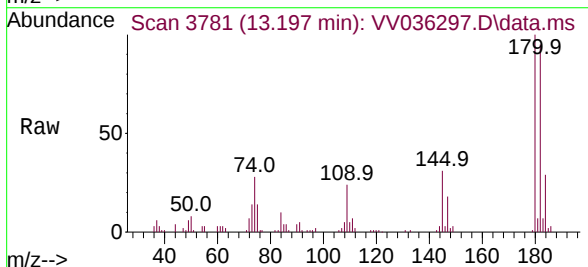
Tgt Ion:180 Resp: 34261

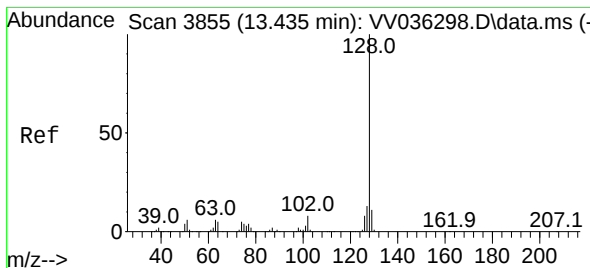
Ion Ratio Lower Upper

180 100

182 96.3 76.1 114.1

145 31.2 23.8 35.8





#71

Naphthalene

Concen: 4.005 ug/L

RT: 13.438 min Scan# 3855

Delta R.T. 0.003 min

Lab File: VV036297.D

Acq: 27 Jun 2024 08:29

Instrument :

MSVOA_V

ClientSampleId :

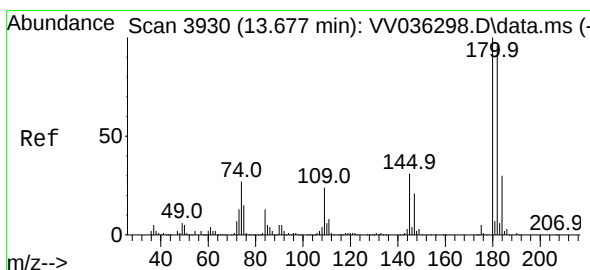
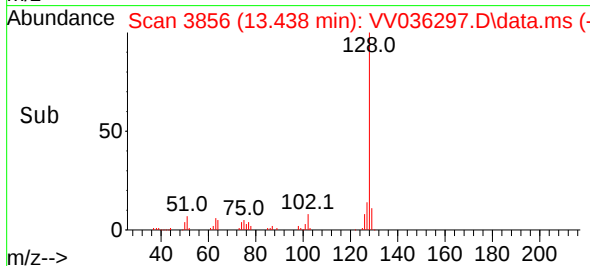
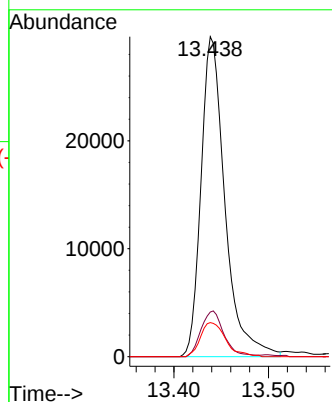
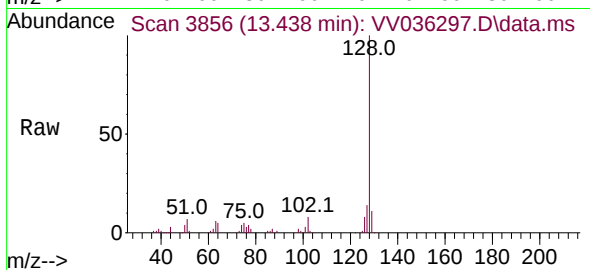
Tgt Ion:128 Resp: 52173

Ion Ratio Lower Upper

128 100

127 13.7 10.8 16.2

129 11.1 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 4.723 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.003 min

Lab File: VV036297.D

Acq: 27 Jun 2024 08:29

Tgt Ion:180 Resp: 32445

Ion Ratio Lower Upper

180 100

182 90.4 76.7 115.1

145 30.2 25.0 37.4

