

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072524\
 Data File : VV036669.D
 Acq On : 24 Jul 2024 17:23
 Operator : SY/MD
 Sample : VSTD010
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 25 02:27:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072424WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 25 02:25:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	271993	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	280021	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.184	152	143707	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	22095	10.534	ug/L	0.00
7) Chloroethane-d5	1.529	69	19405	15.327	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.053	65	10820	12.250	ug/L	0.00
21) 2-Butanone-d5	3.812	46	13985	12.931	ug/L	0.03
24) Chloroform-d	4.249	84	46008	12.544	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	26679	12.445	ug/L	0.00
32) Benzene-d6	4.960	84	77410	10.760	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.992	67	22365	10.209	ug/L	0.00
41) Toluene-d8	7.243	98	71295	10.807	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	11014	10.499	ug/L	0.02
47) 2-Hexanone-d5	8.033	63	11407	17.069	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.152	84	34608	10.982	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	33309	13.145	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	21192	10.222	ug/L	99
3) Chloromethane	1.214	50	17044	8.647	ug/L	98
5) Vinyl chloride	1.281	62	19601	9.185	ug/L	95
6) Bromomethane	1.484	94	17601	12.898	ug/L	99
8) Chloroethane	1.545	64	12676	12.580	ug/L	96
9) Trichlorofluoromethane	1.709	101	33414	10.924	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	19947	10.554	ug/L	97
12) 1,1-Dichloroethene	2.066	96	18706	11.058	ug/L #	83
13) Acetone	2.111	43	17281	14.067	ug/L	98
14) Carbon disulfide	2.236	76	47645	10.349	ug/L	99
15) Methyl Acetate	2.375	43	12899	6.701	ug/L	99
16) Methylene chloride	2.445	84	19962	9.788	ug/L	100
17) trans-1,2-Dichloroethene	2.693	96	17501	9.891	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	42021	7.378	ug/L	97
19) 1,1-Dichloroethane	3.108	63	29000	8.323	ug/L	97
20) cis-1,2-Dichloroethene	3.818	96	17351	8.813	ug/L	100
22) 2-Butanone	3.831	43	91	0.066	ug/L	78
23) Bromochloromethane	4.153	128	11839	10.524	ug/L	97
25) Chloroform	4.278	83	34836	9.377	ug/L	96
27) 1,2-Dichloroethane	5.050	62	24910	9.153	ug/L	100
29) Cyclohexane	4.574	56	16264	6.556	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	30332	9.343	ug/L	98
31) Carbon tetrachloride	4.735	117	28025	9.735	ug/L	99
33) Benzene	5.011	78	62698	8.407	ug/L	100
34) Trichloroethene	5.837	95	21822	10.297	ug/L	99
35) Methylcyclohexane	6.046	83	21507	7.331	ug/L	97
37) 1,2-Dichloropropane	6.095	63	15271	7.561	ug/L #	93
38) Bromodichloromethane	6.435	83	25316	8.917	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	22245	7.232	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	25741	10.857	ug/L	98
42) Toluene	7.320	91	62844	7.950	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	20975	7.122	ug/L	98

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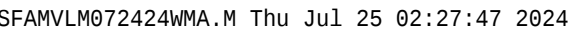
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 ClientSampleId :

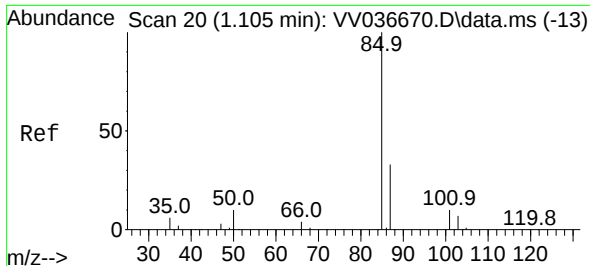
Quant Time: Jul 25 02:27:36 2024
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 Quant Title : VOC Analysis
 QLast Update : Thu Jul 25 02:25:25 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.770	97	19876	9.063	ug/L	97
46) Tetrachloroethene	7.905	164	18126	10.798	ug/L	96
48) 2-Hexanone	8.082	43	19994	10.023	ug/L	89
49) Dibromochloromethane	8.178	129	21349	9.277	ug/L	99
50) 1,2-Dibromoethane	8.284	107	21623	9.523	ug/L	97
51) Chlorobenzene	8.815	112	52189	9.308	ug/L	99
52) Ethylbenzene	8.947	91	64006	7.443	ug/L	99
53) m,p-Xylene	9.075	106	23518	7.160	ug/L	99
54) o-Xylene	9.477	106	22056	6.875	ug/L	99
55) Styrene	9.500	104	37158	6.713	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.178	83	24918	7.352	ug/L	100
59) Bromoform	9.664	173	16705	9.543	ug/L #	97
60) Isopropylbenzene	9.866	105	59527	7.248	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	21979	8.342	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	41315	6.284	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	41562	6.441	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	39774	9.236	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	42144	9.308	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	41272	9.404	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	6382	10.172	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	28358	9.199	ug/L	99
70) 1,2,4-trichlorobenzene	13.200	180	23775	9.496	ug/L	98
71) Naphthalene	13.438	128	57830	9.797	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	26334	10.490	ug/L	98

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

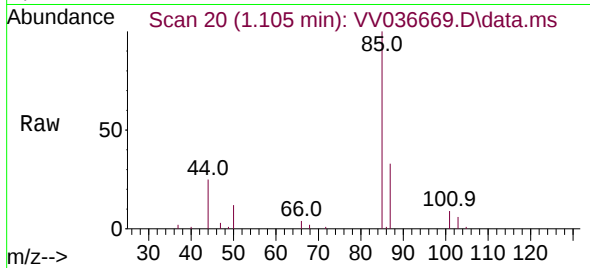
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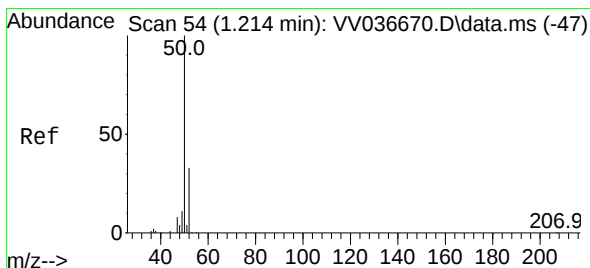
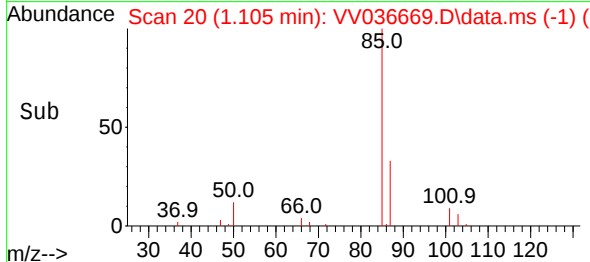
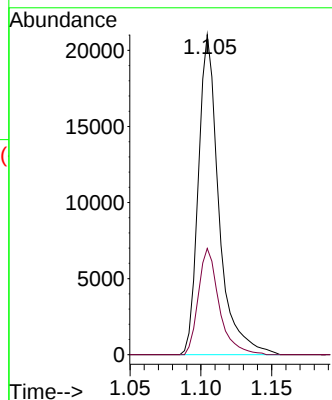


#2
 Dichlorodifluoromethane
 Concen: 10.222 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV036669.D
 Acq: 24 Jul 2024 17:23

Instrument :
 MSVOA_V
 ClientSampleId :

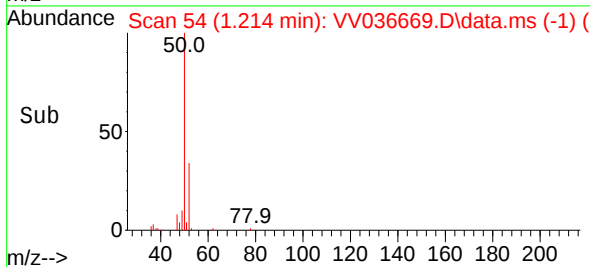
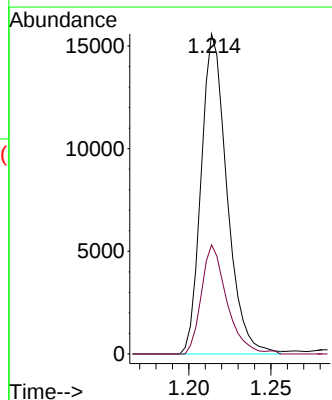
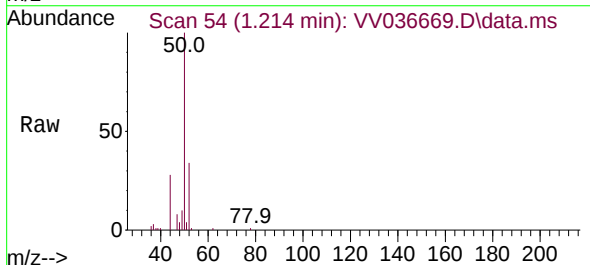


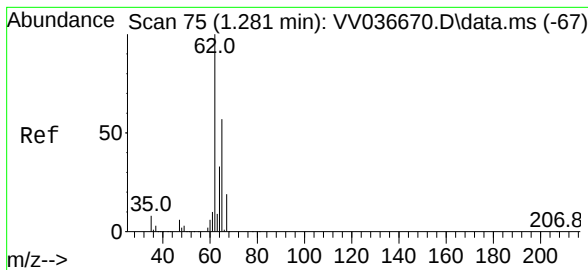
Tgt Ion: 85 Resp: 21192
 Ion Ratio Lower Upper
 85 100
 87 33.6 26.4 39.6



#3
 Chloromethane
 Concen: 8.647 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV036669.D
 Acq: 24 Jul 2024 17:23

Tgt Ion: 50 Resp: 17044
 Ion Ratio Lower Upper
 50 100
 52 34.1 23.2 43.0

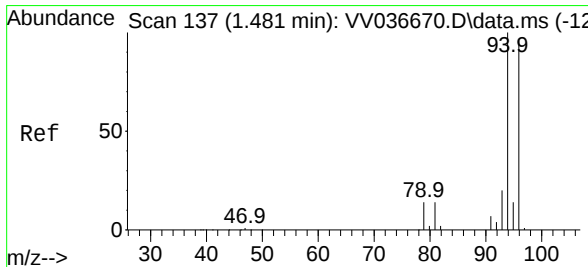
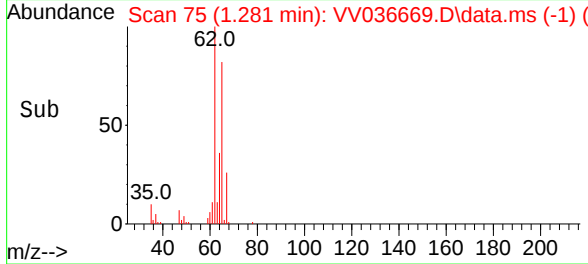
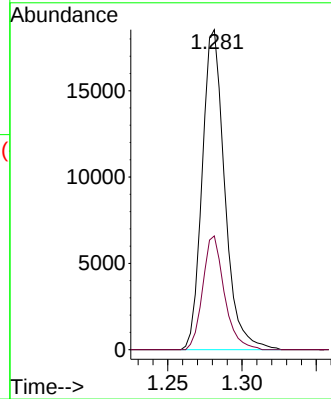
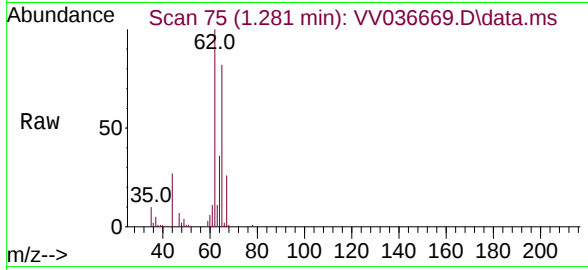




#5
 Vinyl chloride
 Concen: 9.185 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV036669.D
 Acq: 24 Jul 2024 17:23

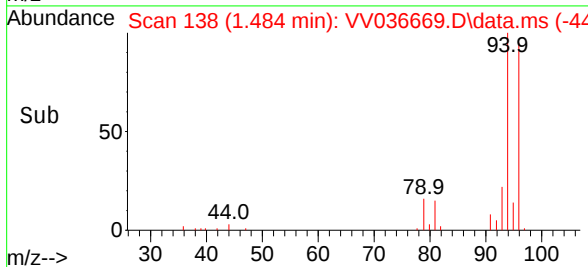
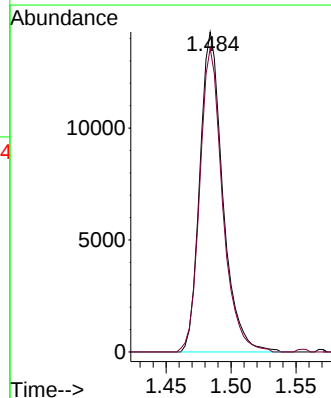
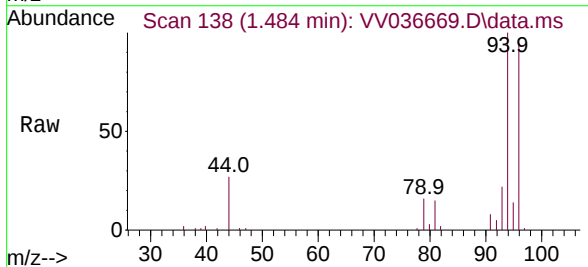
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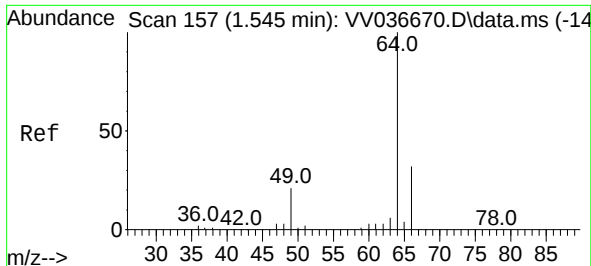
Tgt Ion: 62 Resp: 19601
 Ion Ratio Lower Upper
 62 100
 64 35.6 23.1 42.9



#6
 Bromomethane
 Concen: 12.898 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.003 min
 Lab File: VV036669.D
 Acq: 24 Jul 2024 17:23

Tgt Ion: 94 Resp: 17601
 Ion Ratio Lower Upper
 94 100
 96 94.9 66.8 124.2

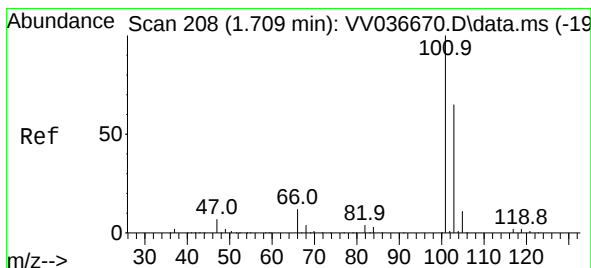
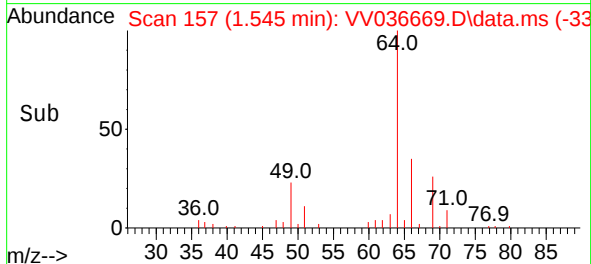
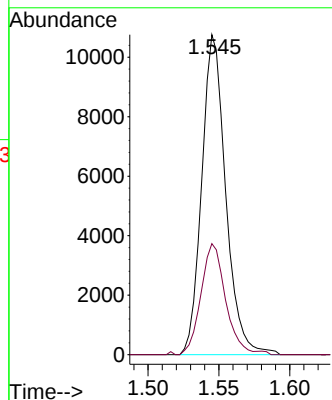
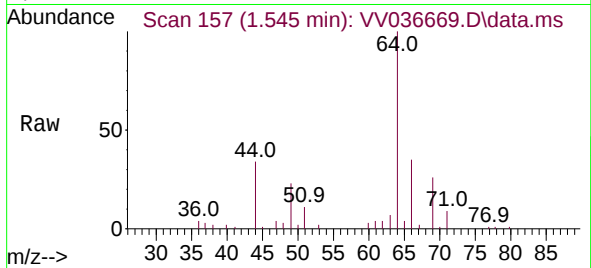




#8
Chloroethane
Concen: 12.580 ug/L
RT: 1.545 min Scan# 157
Delta R.T. -0.000 min
Lab File: VV036669.D
Acq: 24 Jul 2024 17:23

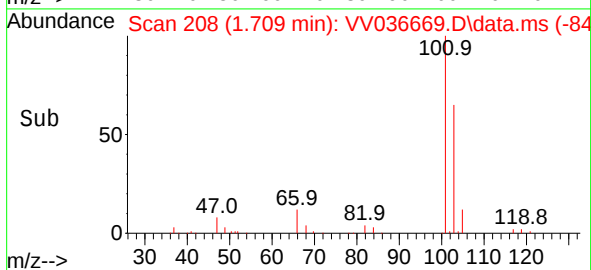
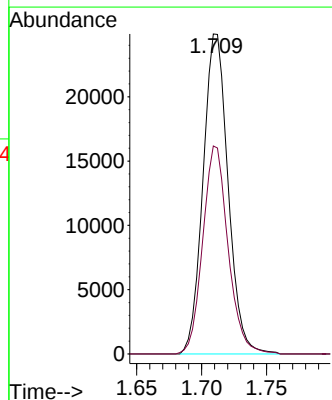
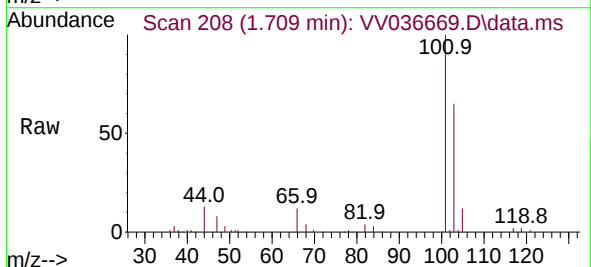
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MSVOA_V
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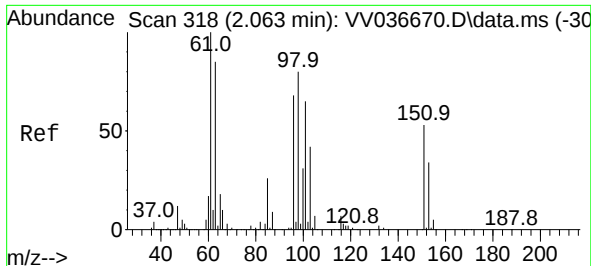
Tgt Ion: 64 Resp: 12676
Ion Ratio Lower Upper
64 100
66 34.7 22.8 42.4



#9
Trichlorofluoromethane
Concen: 10.924 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.000 min
Lab File: VV036669.D
Acq: 24 Jul 2024 17:23

Tgt Ion:101 Resp: 33414
Ion Ratio Lower Upper
101 100
103 65.7 52.2 78.4





#10

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

Concen: 10.554 ug/L

RT: 2.066 min Scan# 318

Delta R.T. 0.003 min

Lab File: VV036669.D

Acq: 24 Jul 2024 17:23

Instrument :

MSVOA_V

ClientSampleId :

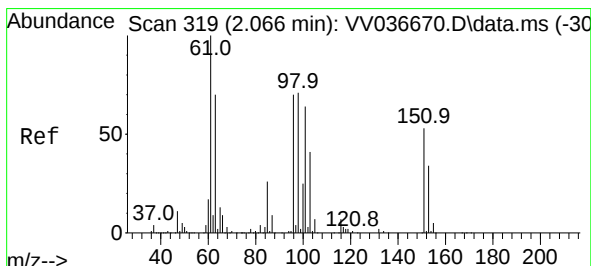
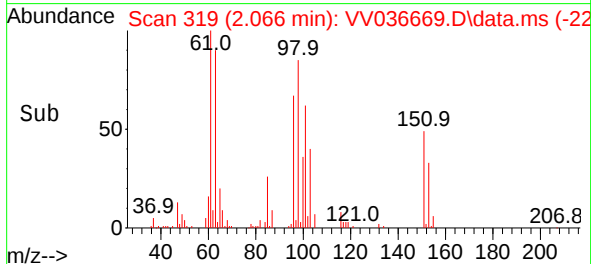
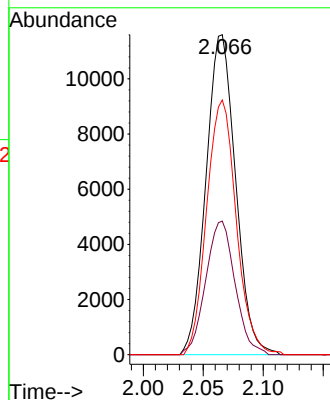
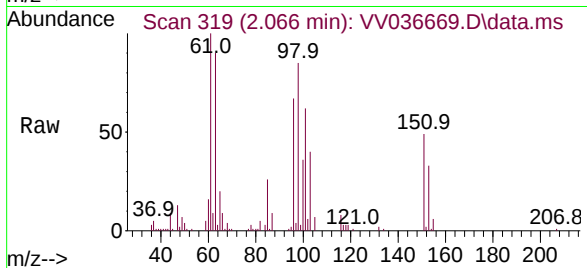
Tgt Ion:101 Resp: 19947

Ion Ratio Lower Upper

101 100

85 41.3 32.4 48.6

151 79.3 65.7 98.5



#12

1,1-Dichloroethene

Concen: 11.058 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.000 min

Lab File: VV036669.D

Acq: 24 Jul 2024 17:23

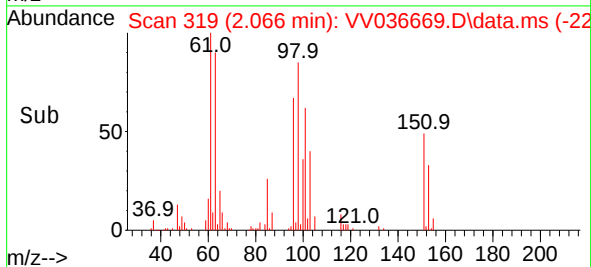
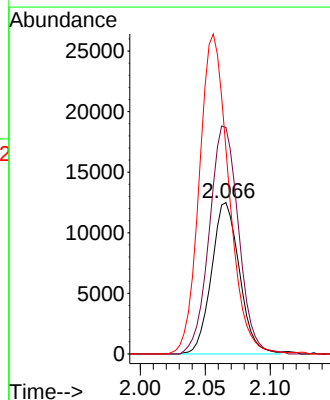
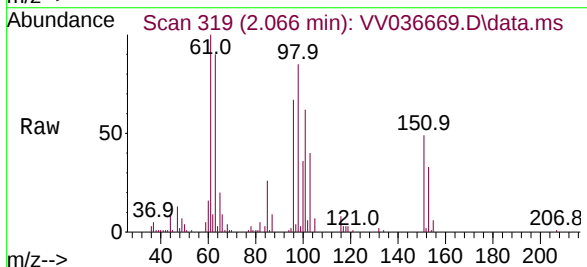
Tgt Ion: 96 Resp: 18706

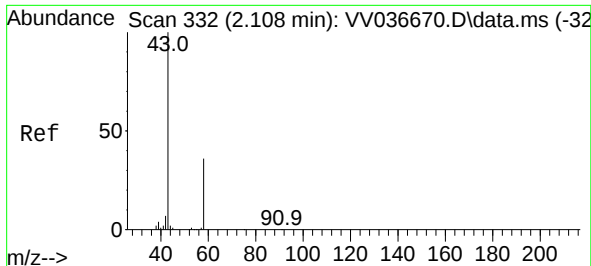
Ion Ratio Lower Upper

96 100

61 149.5 100.4 186.4

63 135.2 70.8 131.4#





#13

Acetone

Concen: 14.067 ug/L

RT: 2.111 min Scan# 3

Delta R.T. 0.003 min

Lab File: VV036669.D

Acq: 24 Jul 2024 17:23

Instrument :

MSVOA_V

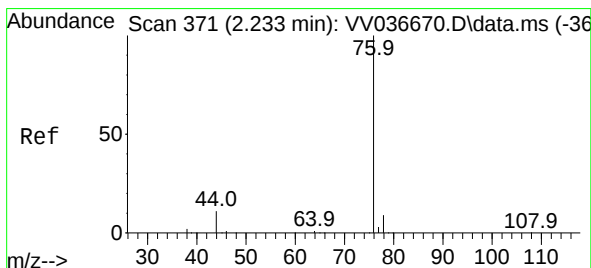
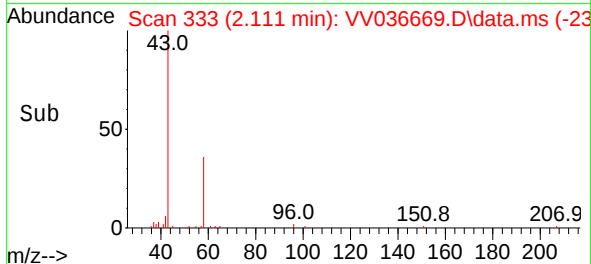
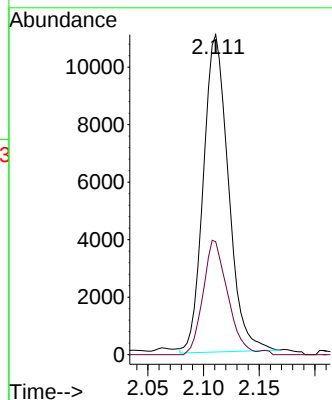
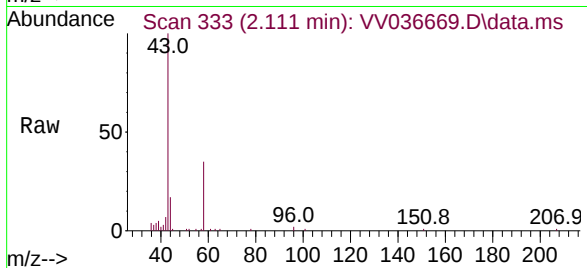
ClientSampleId :

Tgt Ion: 43 Resp: 17281

Ion Ratio Lower Upper

43 100

58 35.2 0.0 72.4



#14

Carbon disulfide

Concen: 10.349 ug/L

RT: 2.236 min Scan# 372

Delta R.T. 0.003 min

Lab File: VV036669.D

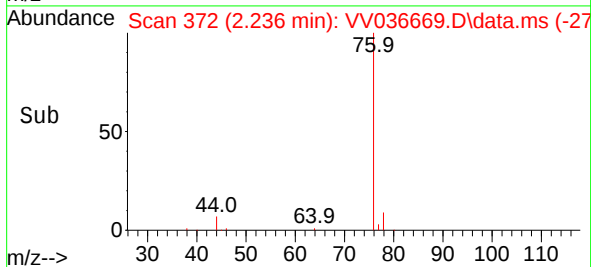
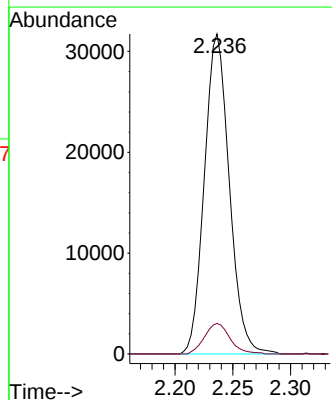
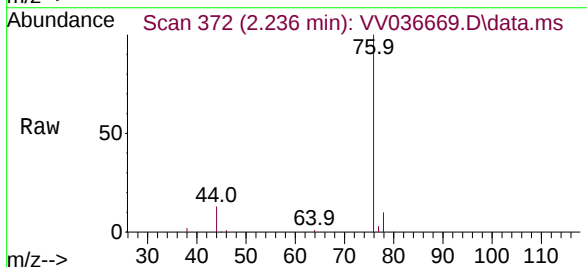
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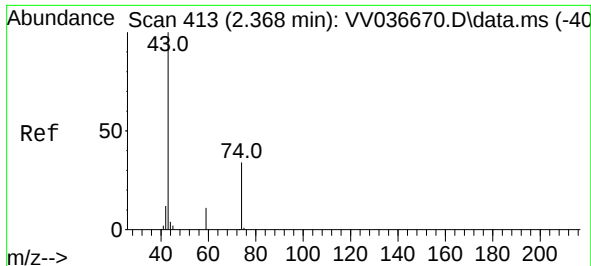
Tgt Ion: 76 Resp: 47645

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.2





#15

Methyl Acetate

Concen: 6.701 ug/L

RT: 2.375 min Scan# 41

Delta R.T. 0.006 min

Lab File: VV036669.D

Acq: 24 Jul 2024 17:23

Instrument :

MSVOA_V

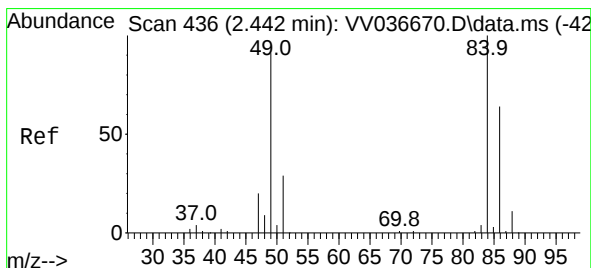
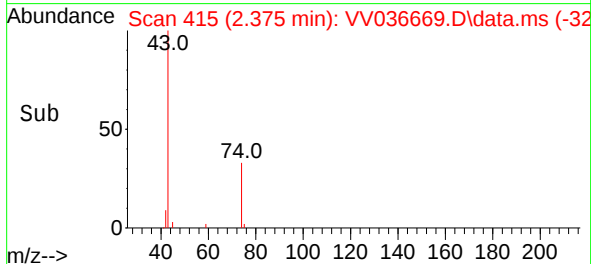
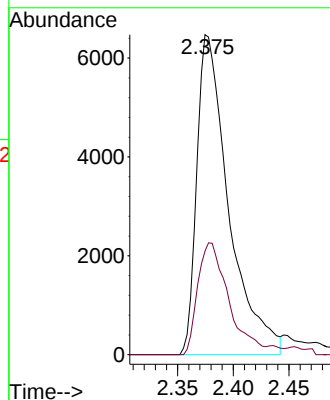
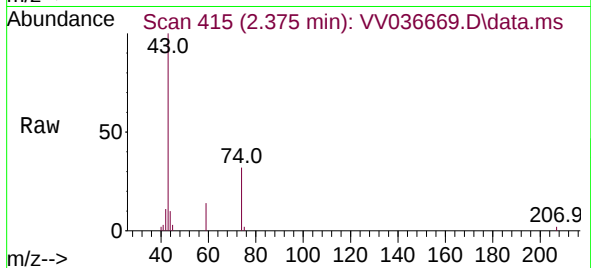
ClientSampleId :

Tgt Ion: 43 Resp: 12899

Ion Ratio Lower Upper

43 100

74 33.9 26.5 39.7



#16

Methylene chloride

Concen: 9.788 ug/L

RT: 2.445 min Scan# 437

Delta R.T. 0.003 min

Lab File: VV036669.D

Acq: 24 Jul 2024 17:23

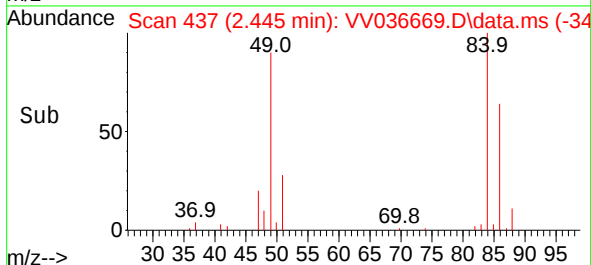
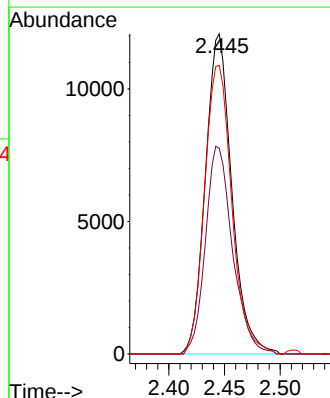
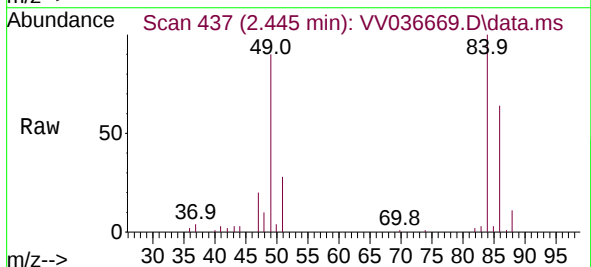
Tgt Ion: 84 Resp: 19962

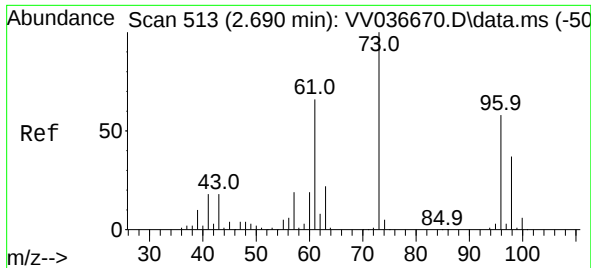
Ion Ratio Lower Upper

84 100

86 64.3 45.1 83.9

49 90.2 63.3 117.7





#17

trans-1,2-Dichloroethene

Concen: 9.891 ug/L

RT: 2.693 min Scan# 513

Delta R.T. 0.003 min

Lab File: VV036669.D

Acq: 24 Jul 2024 17:23

Instrument :

MSVOA_V

ClientSampleId :

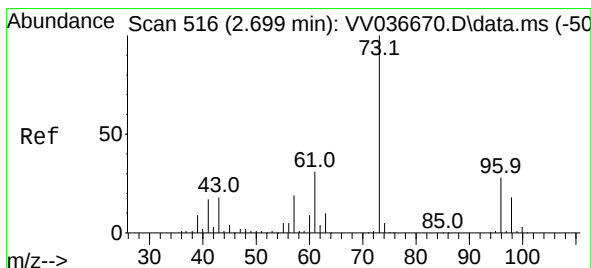
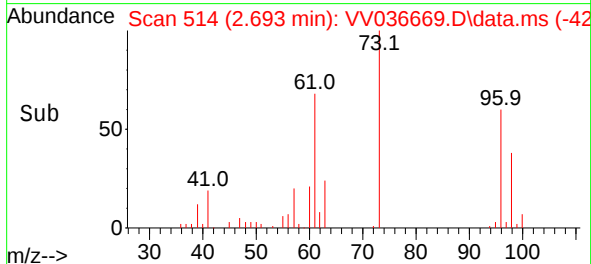
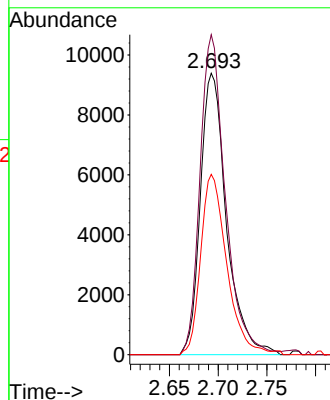
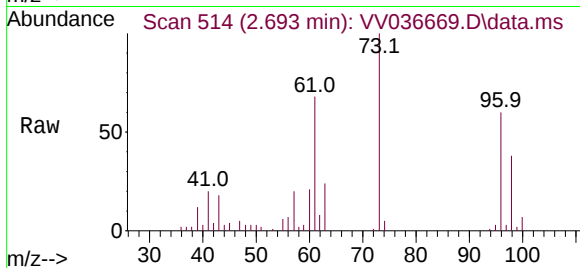
Tgt Ion: 96 Resp: 17501

Ion Ratio Lower Upper

96 100

61 113.7 80.2 148.9

98 64.1 44.5 82.7



#18

Methyl tert-butyl Ether

Concen: 7.378 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.003 min

Lab File: VV036669.D

Acq: 24 Jul 2024 17:23

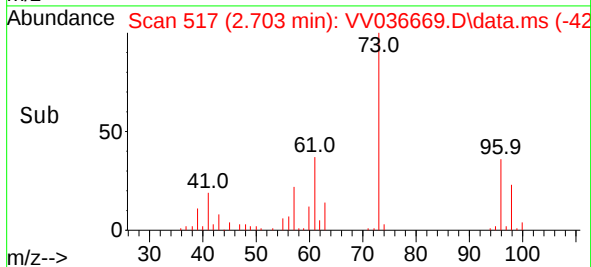
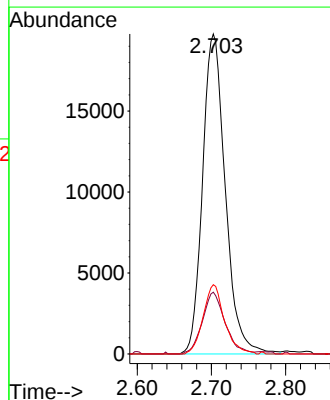
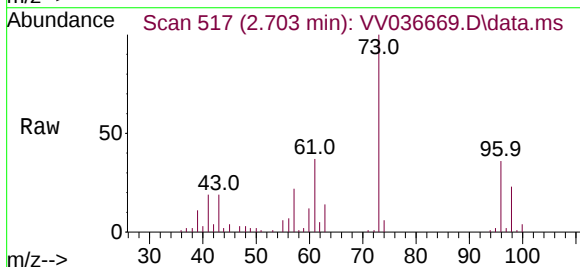
Tgt Ion: 73 Resp: 42021

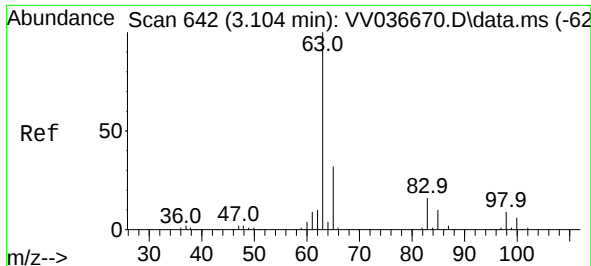
Ion Ratio Lower Upper

73 100

43 19.2 14.3 21.5

57 20.3 15.2 22.8

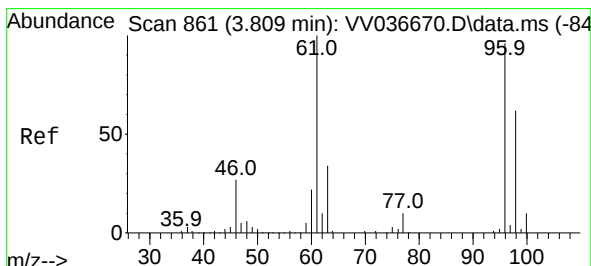
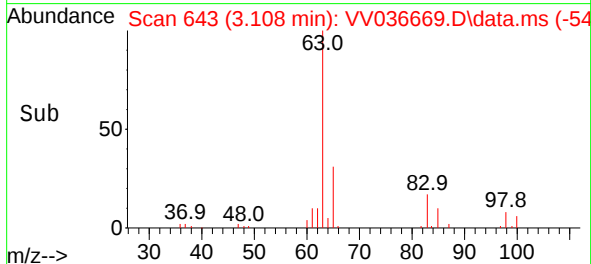
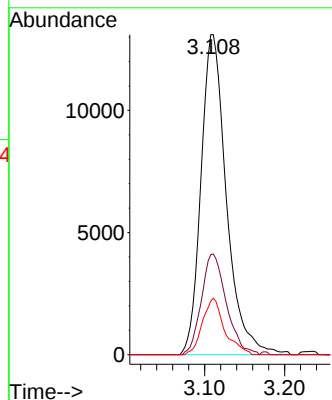
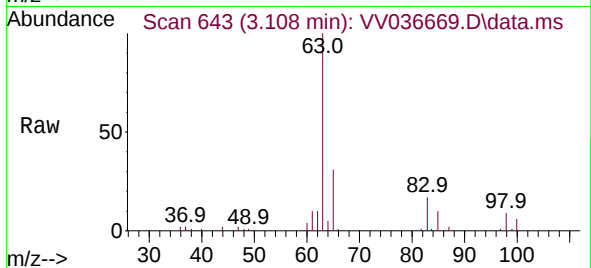




#19
1,1-Dichloroethane
Concen: 8.323 ug/L
RT: 3.108 min Scan# 64
Delta R.T. 0.003 min
Lab File: VV036669.D
Acq: 24 Jul 2024 17:23

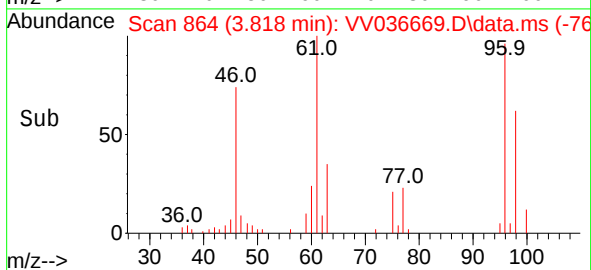
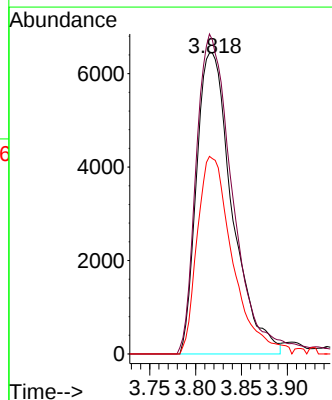
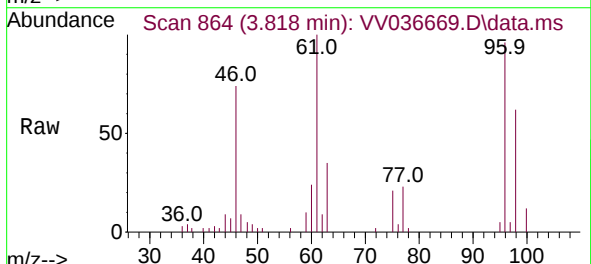
Instrument :
MSVOA_V
ClientSampleId :

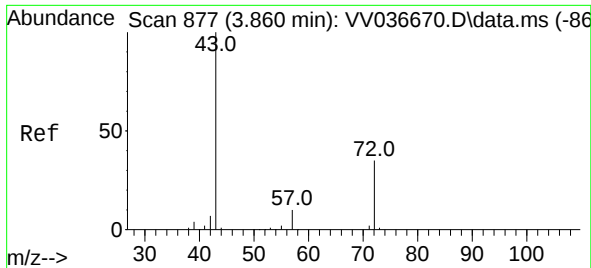
Tgt Ion: 63 Resp: 29000
Ion Ratio Lower Upper
63 100
65 31.3 22.7 42.3
83 17.8 11.0 20.4



#20
cis-1,2-Dichloroethene
Concen: 8.813 ug/L
RT: 3.818 min Scan# 864
Delta R.T. 0.010 min
Lab File: VV036669.D
Acq: 24 Jul 2024 17:23

Tgt Ion: 96 Resp: 17351
Ion Ratio Lower Upper
96 100
61 104.3 73.4 136.2
98 64.9 45.2 84.0

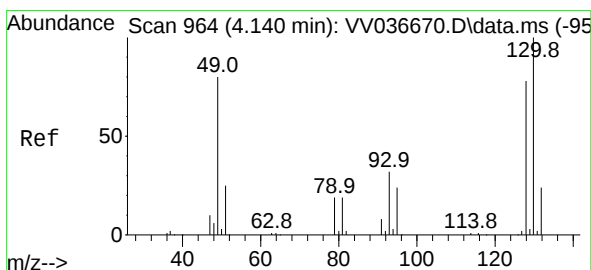
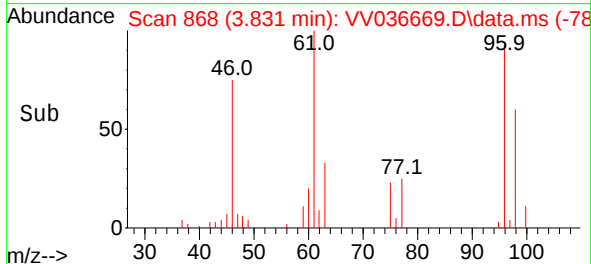
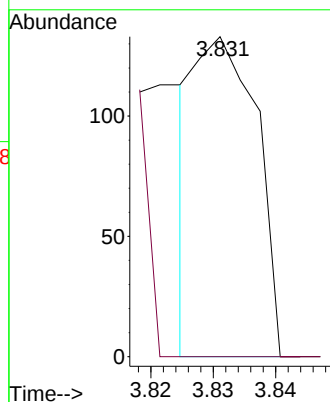
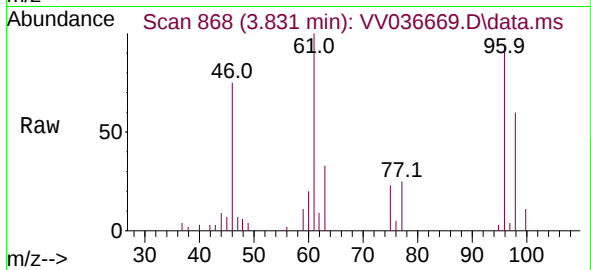




#22
2-Butanone
Concen: 0.066 ug/L
RT: 3.831 min Scan# 80
Delta R.T. -0.029 min
Lab File: VV036669.D
Acq: 24 Jul 2024 17:23

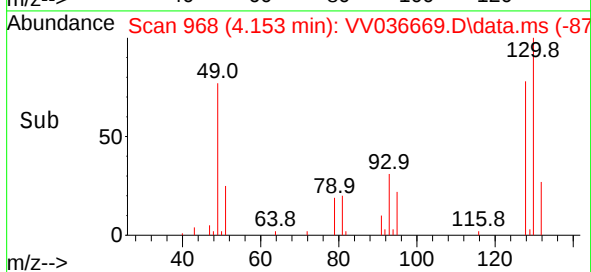
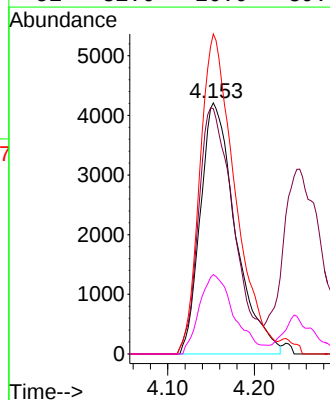
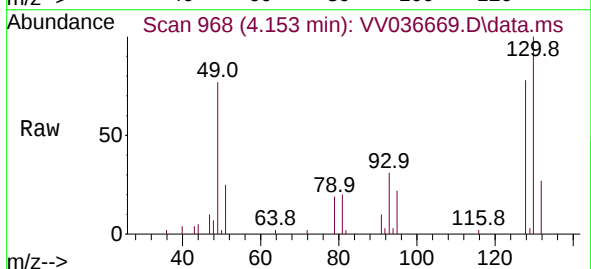
Instrument :
MSVOA_V
ClientSampleId :

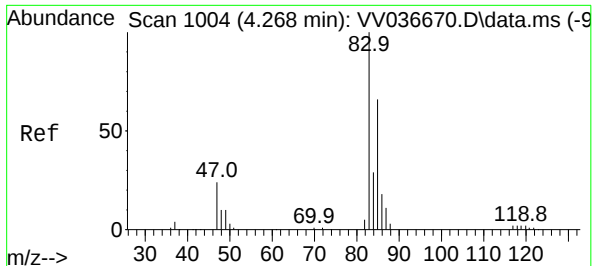
Tgt Ion: 43 Resp: 91
Ion Ratio Lower Upper
43 100
72 47.3 17.2 51.6



#23
Bromochloromethane
Concen: 10.524 ug/L
RT: 4.153 min Scan# 968
Delta R.T. 0.013 min
Lab File: VV036669.D
Acq: 24 Jul 2024 17:23

Tgt Ion: 128 Resp: 11839
Ion Ratio Lower Upper
128 100
49 97.7 72.2 134.0
130 127.4 90.2 167.6
51 31.6 26.0 39.0





#25

Chloroform

Concen: 9.377 ug/L

RT: 4.278 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV036669.D

Acq: 24 Jul 2024 17:23

Instrument :

MSVOA_V

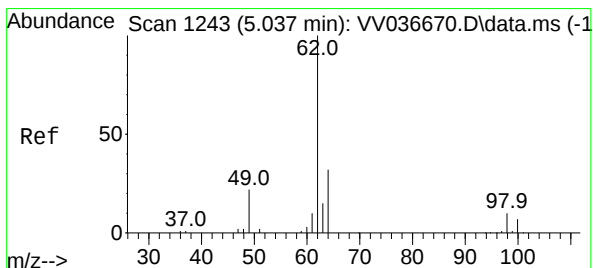
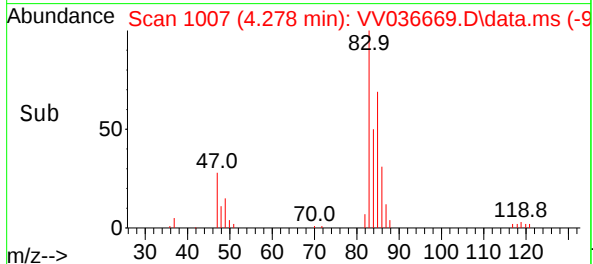
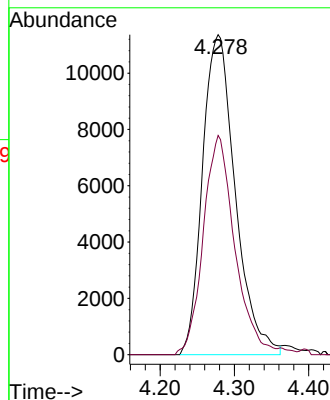
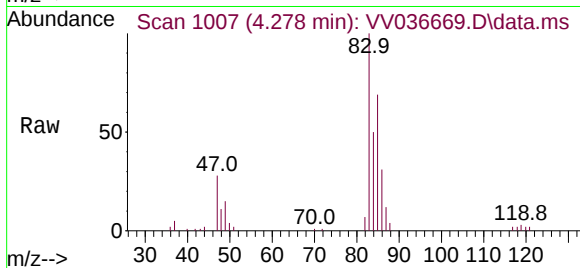
ClientSampleId :

Tgt Ion: 83 Resp: 34836

Ion Ratio Lower Upper

83 100

85 68.5 46.0 85.4



#27

1,2-Dichloroethane

Concen: 9.153 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. 0.013 min

Lab File: VV036669.D

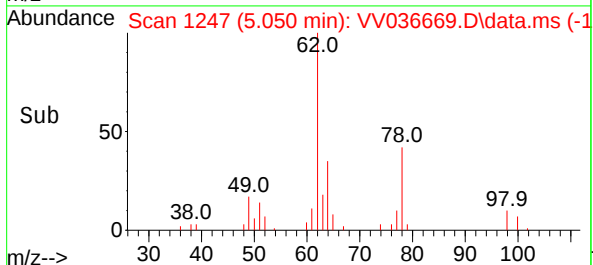
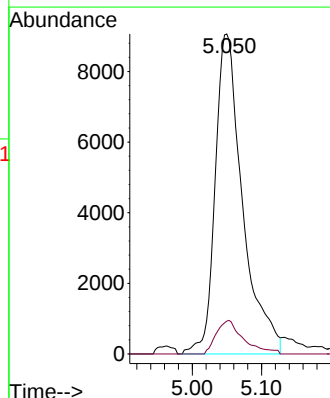
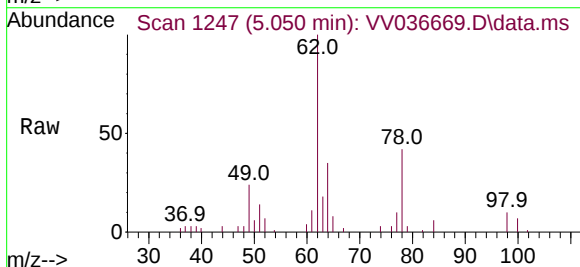
Acq: 24 Jul 2024 17:23

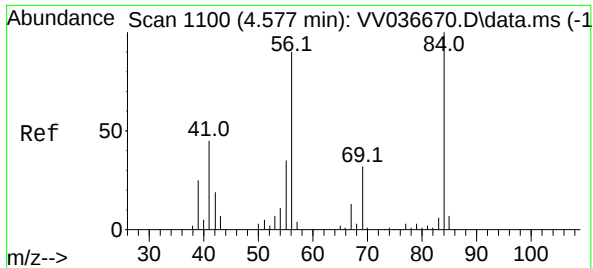
Tgt Ion: 62 Resp: 24910

Ion Ratio Lower Upper

62 100

98 10.3 8.3 12.5





#29

Cyclohexane

Concen: 6.556 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. -0.003 min

Lab File: VV036669.D

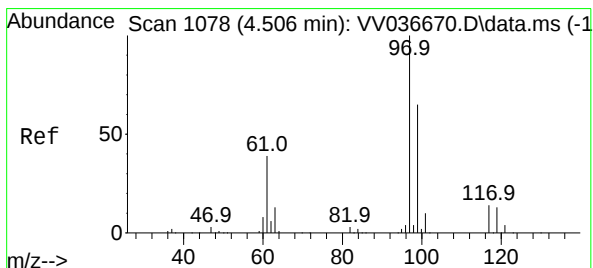
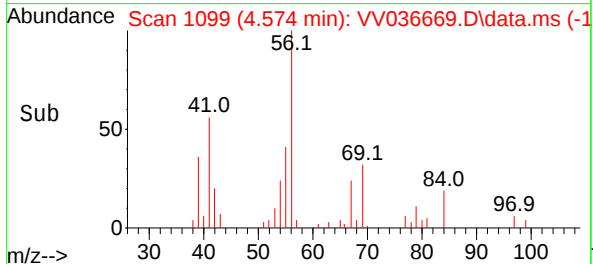
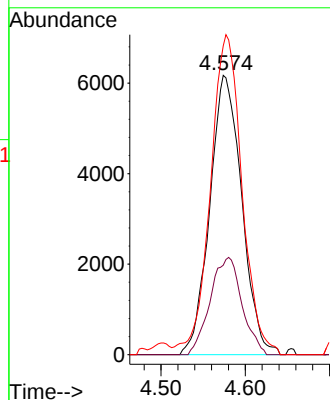
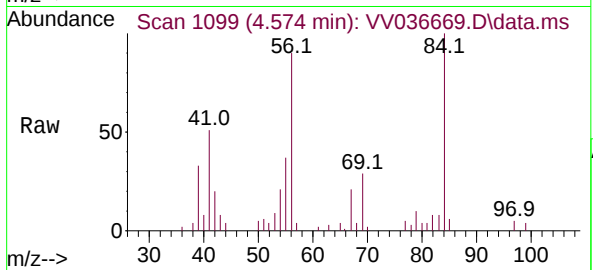
Acq: 24 Jul 2024 17:23

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	56	Resp:	16264
Ion	Ratio	Lower	Upper
56	100		
69	34.6	28.8	43.2
84	113.1	90.5	135.7



#30

1,1,1-Trichloroethane

Concen: 9.343 ug/L

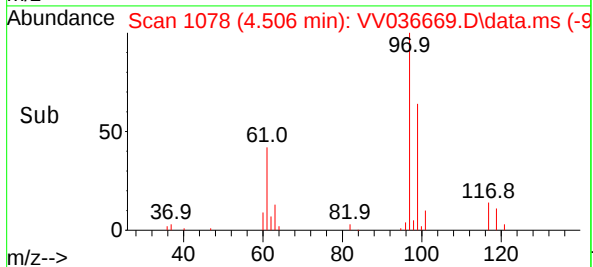
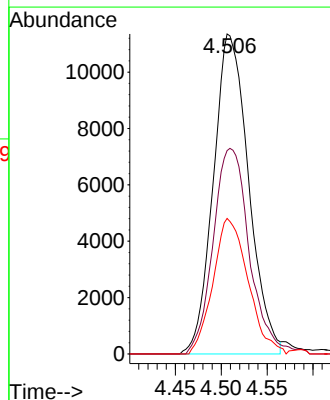
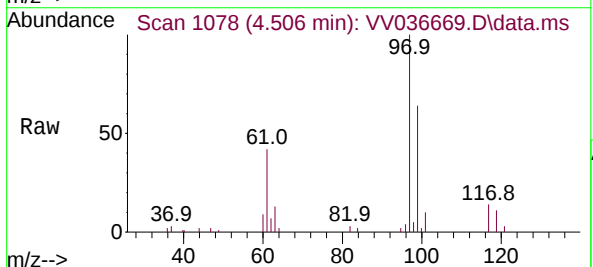
RT: 4.506 min Scan# 1078

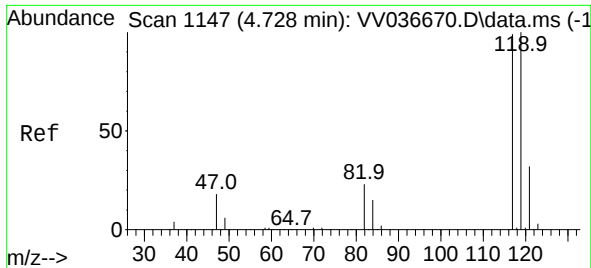
Delta R.T. -0.000 min

Lab File: VV036669.D

Acq: 24 Jul 2024 17:23

Tgt Ion:	97	Resp:	30332
Ion	Ratio	Lower	Upper
97	100		
99	65.9	52.1	78.1
61	42.0	31.6	47.4

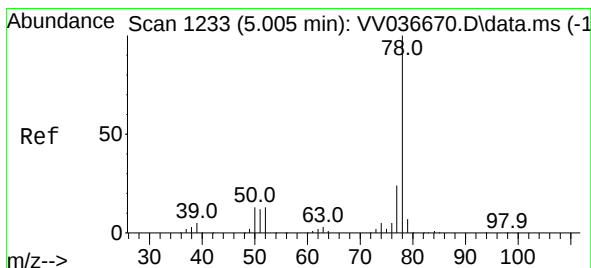
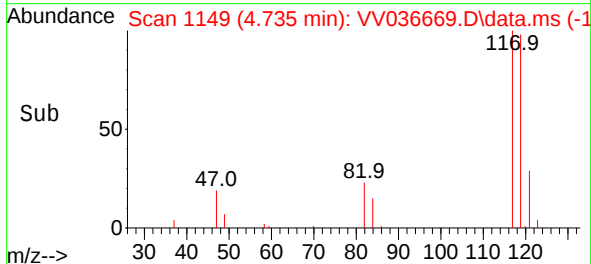
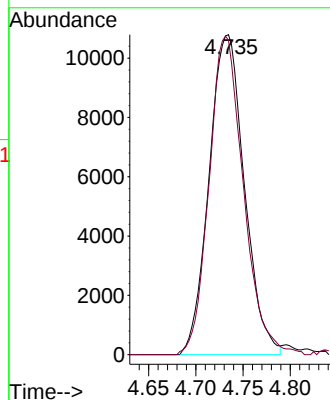
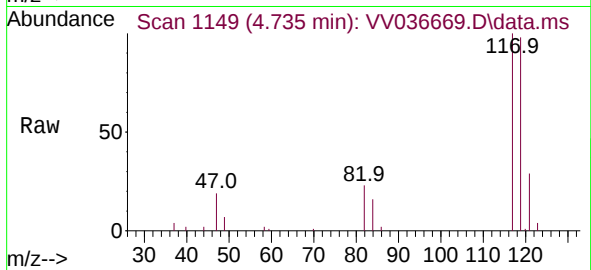




#31
Carbon tetrachloride
Concen: 9.735 ug/L
RT: 4.735 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VV036669.D
Acq: 24 Jul 2024 17:23

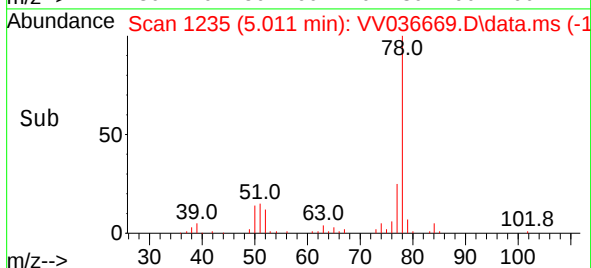
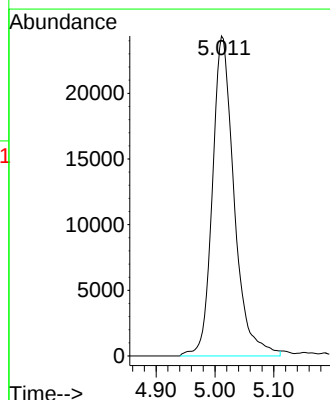
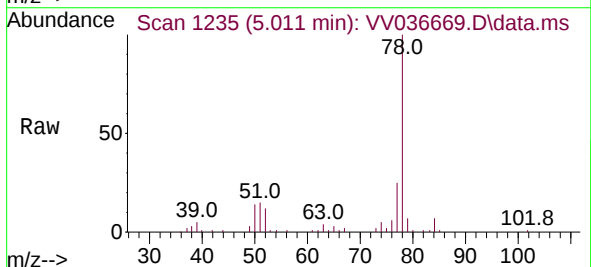
Instrument :
MSVOA_V
ClientSampleId :

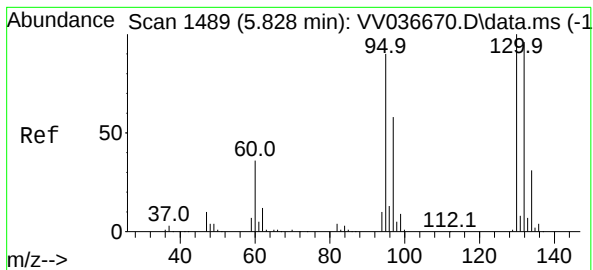
Tgt Ion:117 Resp: 28025
Ion Ratio Lower Upper
117 100
119 96.8 77.9 116.9



#33
Benzene
Concen: 8.407 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.006 min
Lab File: VV036669.D
Acq: 24 Jul 2024 17:23

Tgt Ion: 78 Resp: 62698





#34

Trichloroethene

Concen: 10.297 ug/L

RT: 5.837 min Scan# 1489

Delta R.T. 0.010 min

Lab File: VV036669.D

Acq: 24 Jul 2024 17:23

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 21822

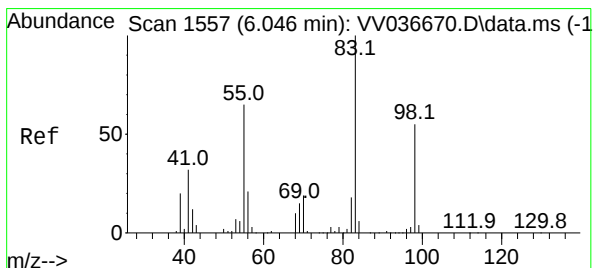
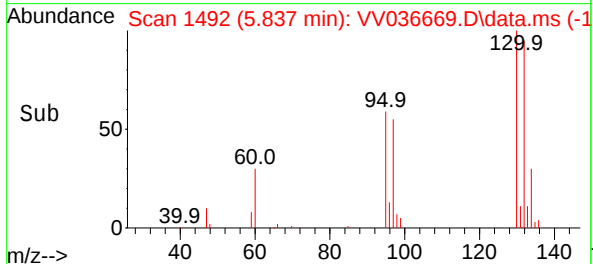
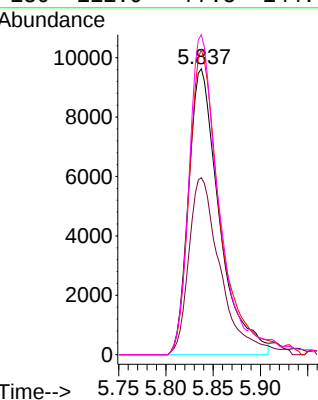
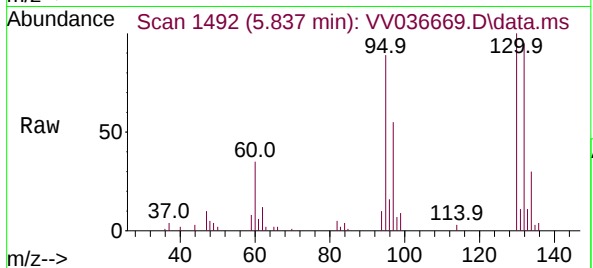
Ion Ratio Lower Upper

95 100

97 61.9 44.7 83.1

132 106.8 74.3 138.1

130 111.9 77.8 144.4



#35

Methylcyclohexane

Concen: 7.331 ug/L

RT: 6.046 min Scan# 1557

Delta R.T. -0.000 min

Lab File: VV036669.D

Acq: 24 Jul 2024 17:23

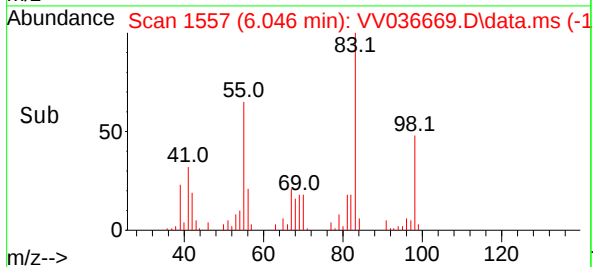
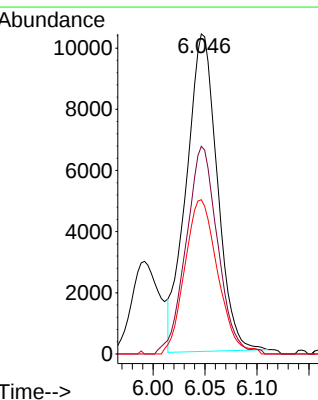
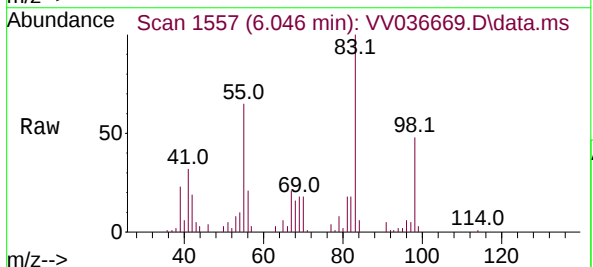
Tgt Ion: 83 Resp: 21507

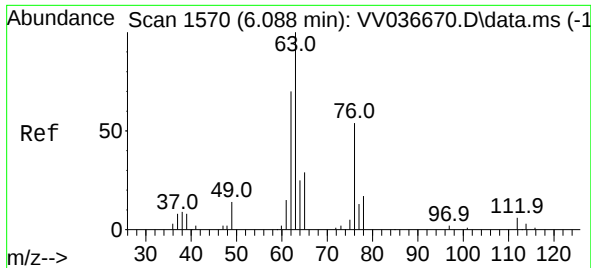
Ion Ratio Lower Upper

83 100

55 66.2 49.9 74.9

98 51.5 41.6 62.4





#37

1,2-Dichloropropane

Concen: 7.561 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV036669.D

Acq: 24 Jul 2024 17:23

Instrument :

MSVOA_V

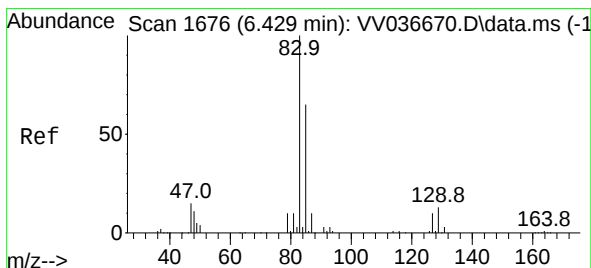
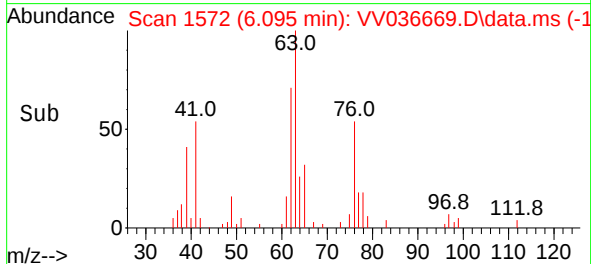
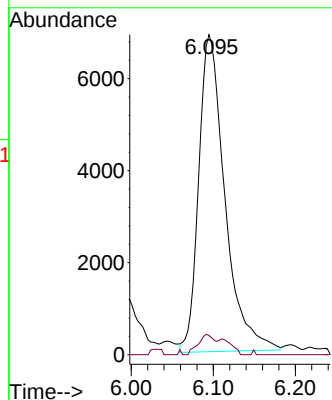
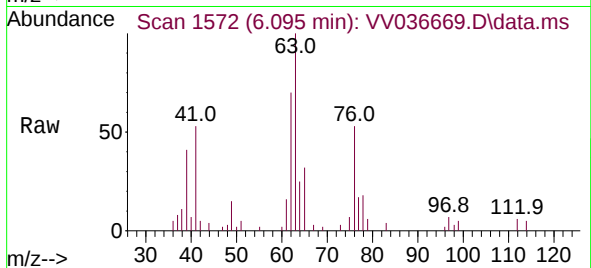
ClientSampleId :

Tgt Ion: 63 Resp: 15271

Ion Ratio Lower Upper

63 100

112 4.0 5.1 7.7#



#38

Bromodichloromethane

Concen: 8.917 ug/L

RT: 6.435 min Scan# 1678

Delta R.T. 0.006 min

Lab File: VV036669.D

Acq: 24 Jul 2024 17:23

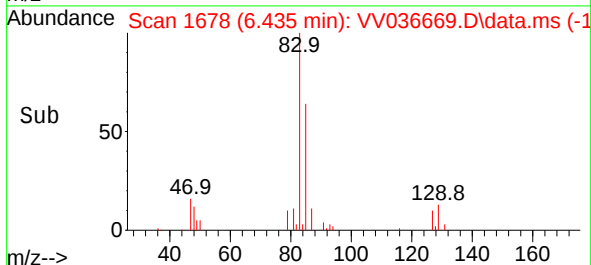
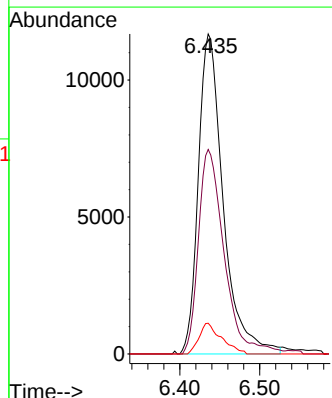
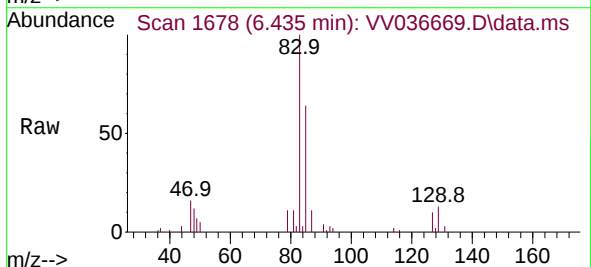
Tgt Ion: 83 Resp: 25316

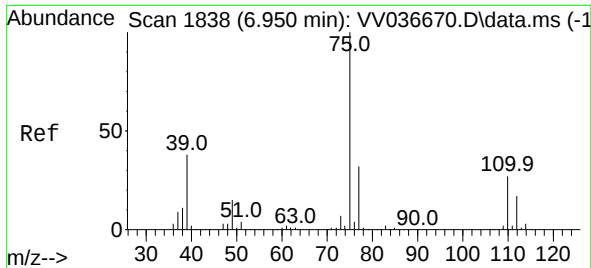
Ion Ratio Lower Upper

83 100

85 63.9 45.6 84.6

127 9.6 7.8 11.6

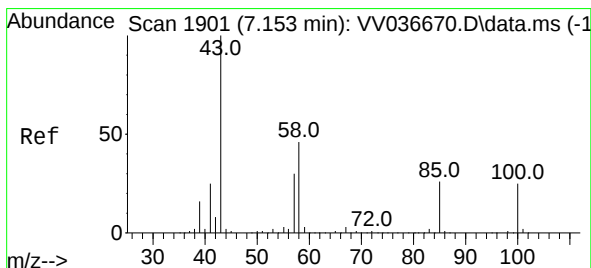
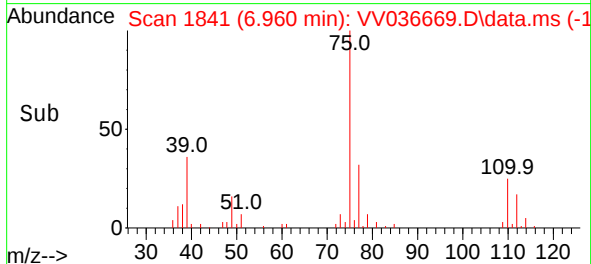
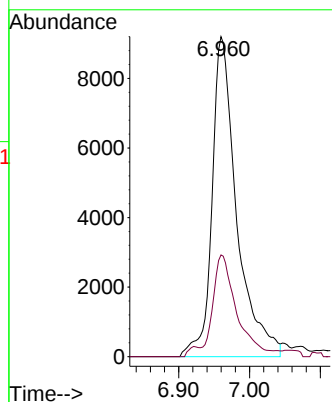
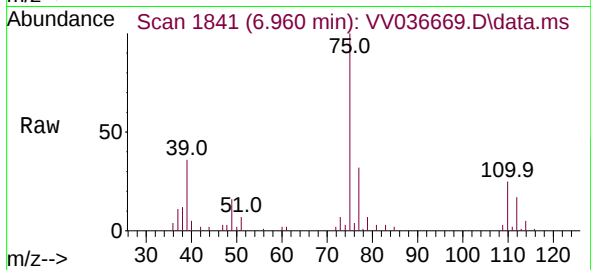




#39
 cis-1,3-Dichloropropene
 Concen: 7.232 ug/L
 RT: 6.960 min Scan# 11
 Delta R.T. 0.010 min
 Lab File: VV036669.D
 Acq: 24 Jul 2024 17:23

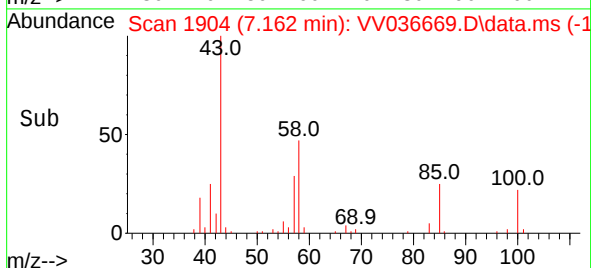
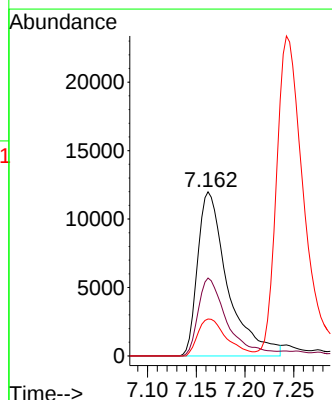
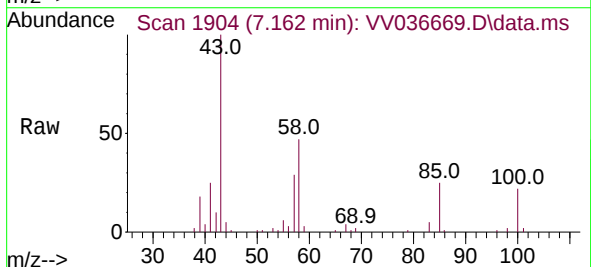
Instrument :
 MSVOA_V
 ClientSampleId :

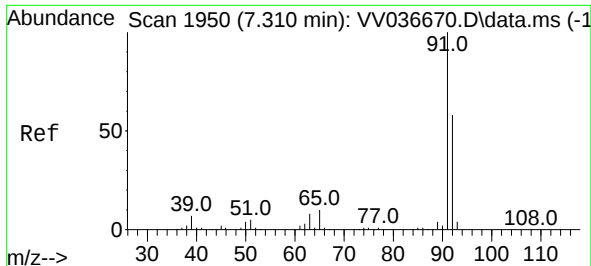
Tgt Ion: 75 Resp: 22245
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 10.857 ug/L
 RT: 7.162 min Scan# 1904
 Delta R.T. 0.010 min
 Lab File: VV036669.D
 Acq: 24 Jul 2024 17:23

Tgt Ion: 43 Resp: 25741
 Ion Ratio Lower Upper
 43 100
 58 45.5 36.6 54.8
 100 21.6 19.6 29.4





#42

Toluene

Concen: 7.950 ug/L

RT: 7.320 min Scan# 1950

Delta R.T. 0.010 min

Lab File: VV036669.D

Acq: 24 Jul 2024 17:23

Instrument :

MSVOA_V

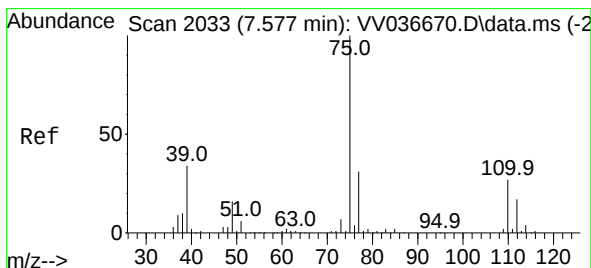
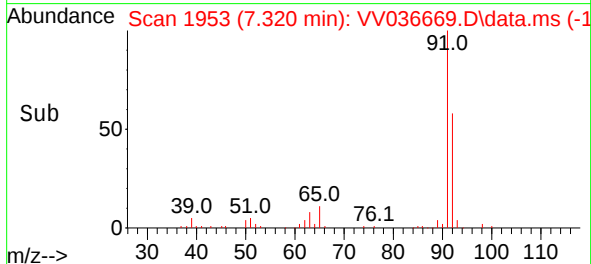
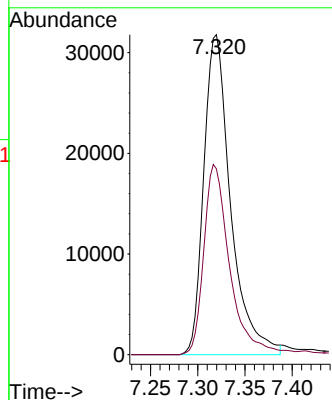
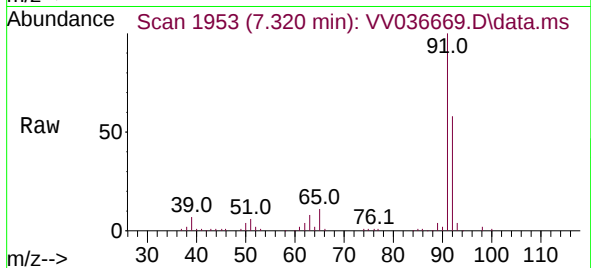
ClientSampleId :

Tgt Ion: 91 Resp: 62844

Ion Ratio Lower Upper

91 100

92 58.1 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 7.122 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.013 min

Lab File: VV036669.D

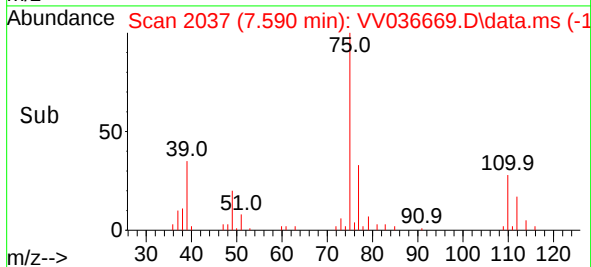
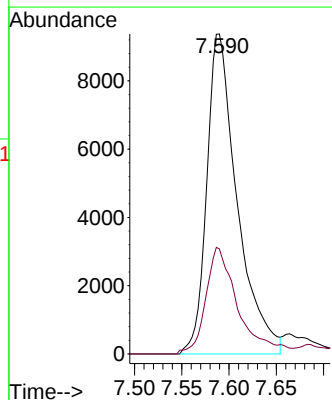
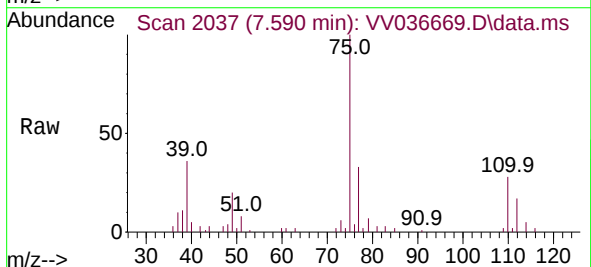
Acq: 24 Jul 2024 17:23

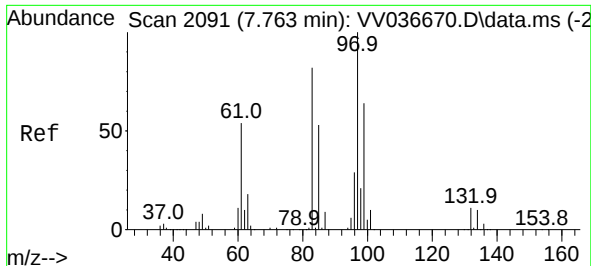
Tgt Ion: 75 Resp: 20975

Ion Ratio Lower Upper

75 100

77 32.9 22.1 41.1

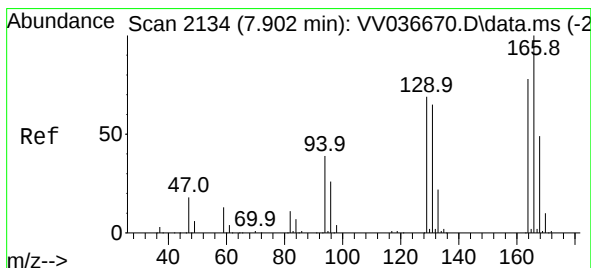
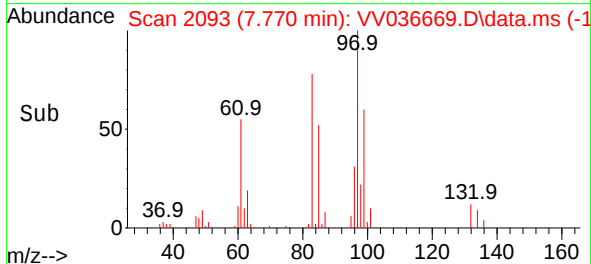
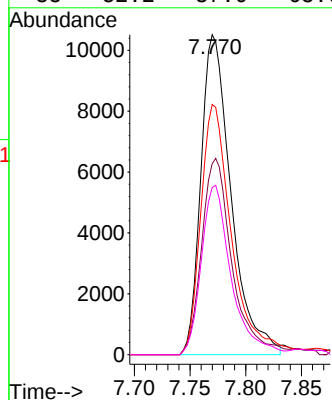
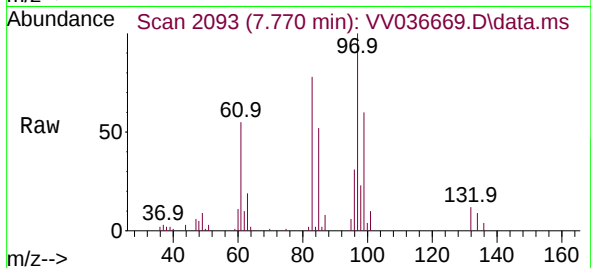




#45
1,1,2-Trichloroethane
Concen: 9.063 ug/L
RT: 7.770 min Scan# 2091
Delta R.T. 0.006 min
Lab File: VV036669.D
Acq: 24 Jul 2024 17:23

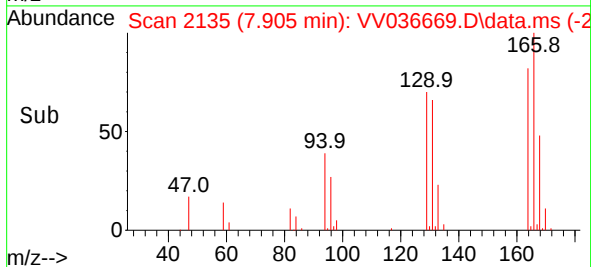
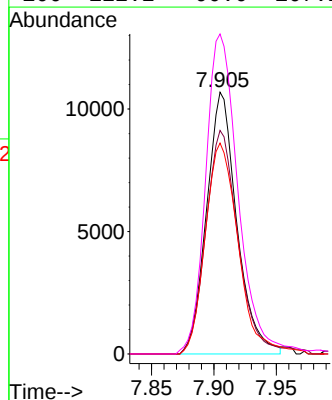
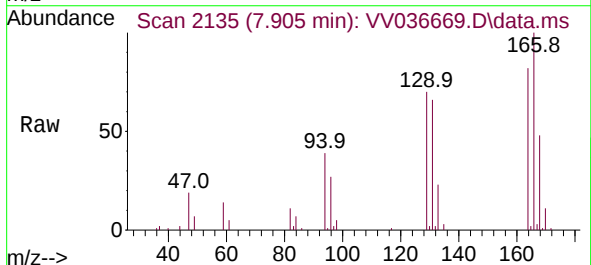
Instrument :
MSVOA_V
ClientSampleId :

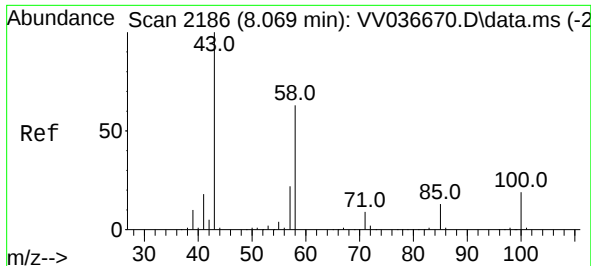
Tgt Ion: 97	Resp: 19876
Ion Ratio	Lower Upper
97 100	
99 59.7	44.4 82.5
83 78.2	57.3 106.3
85 52.2	37.0 68.6



#46
Tetrachloroethene
Concen: 10.798 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.003 min
Lab File: VV036669.D
Acq: 24 Jul 2024 17:23

Tgt	Ion:164	Resp:	18126
Ion	Ratio	Lower	Upper
164	100		
129	85.4	62.1	115.3
131	80.6	58.7	109.1
166	122.2	90.0	167.2





#48

2-Hexanone

Concen: 10.023 ug/L

RT: 8.082 min Scan# 2186

Delta R.T. 0.013 min

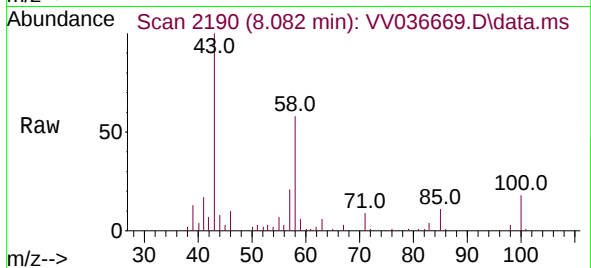
Lab File: VV036669.D

Acq: 24 Jul 2024 17:23

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 19994

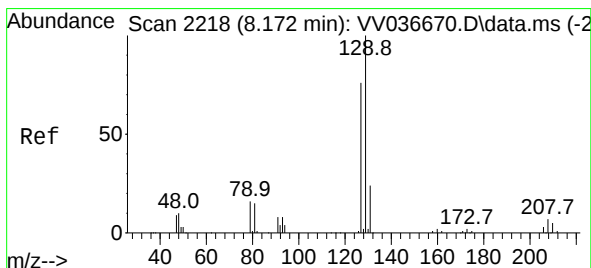
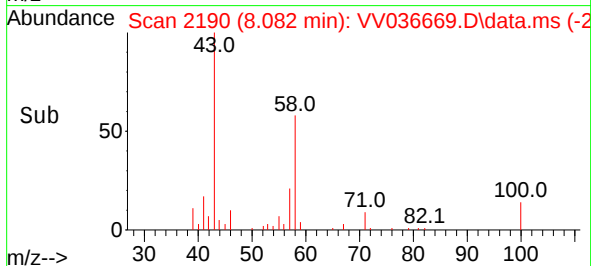
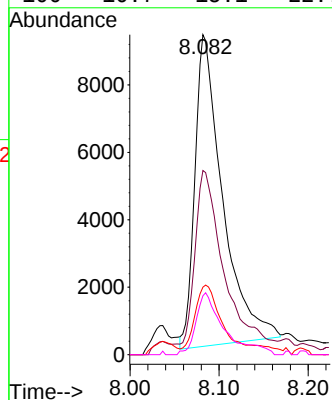
Ion Ratio Lower Upper

43 100

58 53.1 51.3 76.9

57 18.5 17.6 26.4

100 16.7 15.1 22.7



#49

Dibromochloromethane

Concen: 9.277 ug/L

RT: 8.178 min Scan# 2220

Delta R.T. 0.006 min

Lab File: VV036669.D

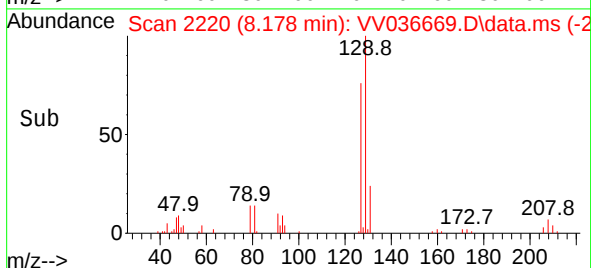
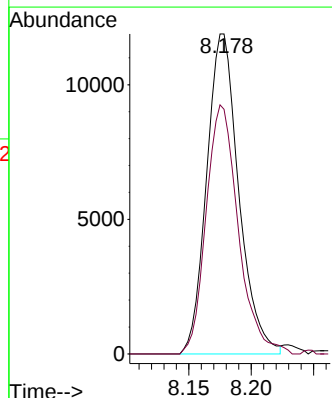
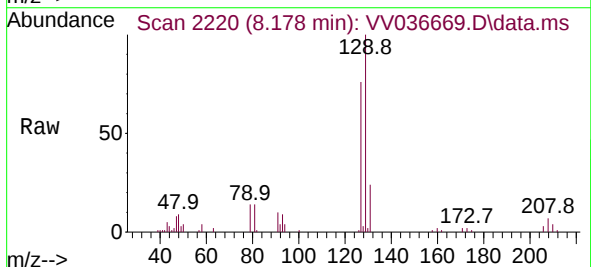
Acq: 24 Jul 2024 17:23

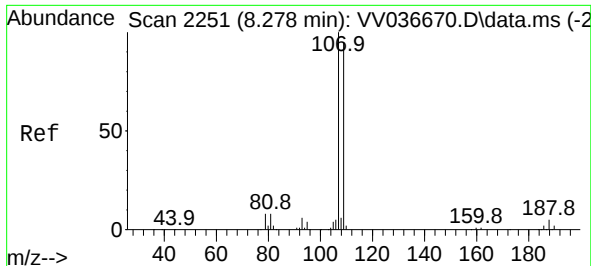
Tgt Ion: 129 Resp: 21349

Ion Ratio Lower Upper

129 100

127 76.5 52.8 98.2





#50

1,2-Dibromoethane

Concen: 9.523 ug/L

RT: 8.284 min Scan# 21623

Delta R.T. 0.006 min

Lab File: VV036669.D

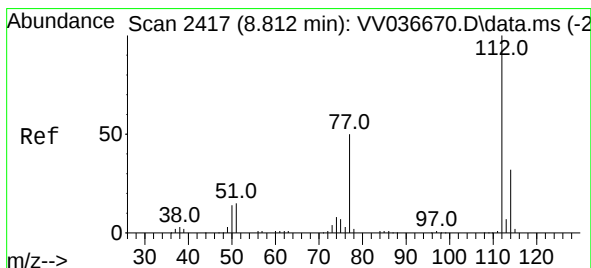
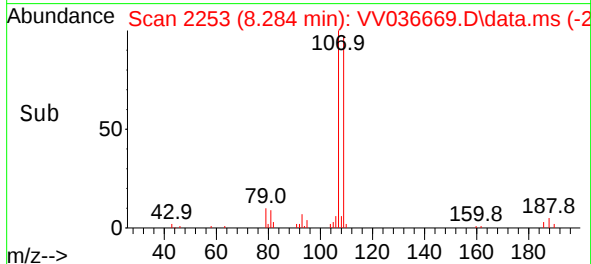
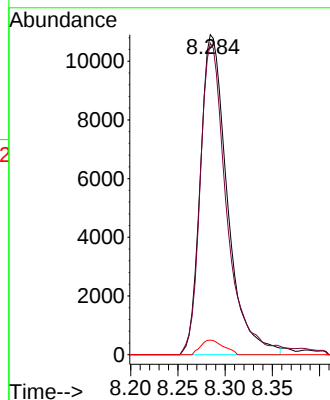
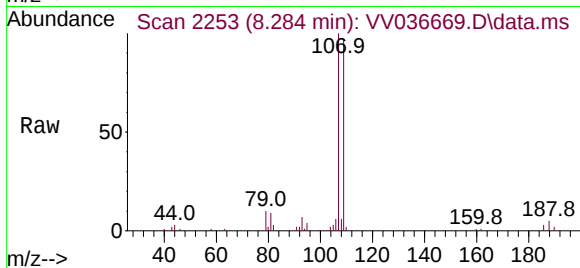
Acq: 24 Jul 2024 17:23

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	21623
Ion	Ratio	Lower	Upper
107	100		
109	97.3	66.4	123.2
188	4.5	3.7	5.5



#51

Chlorobenzene

Concen: 9.308 ug/L

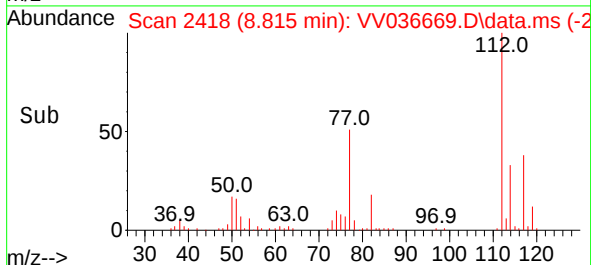
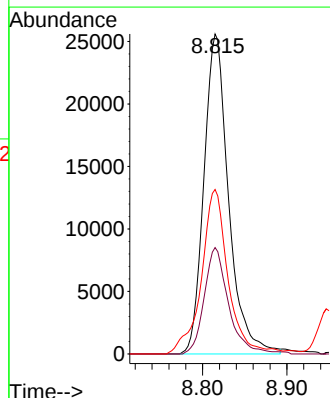
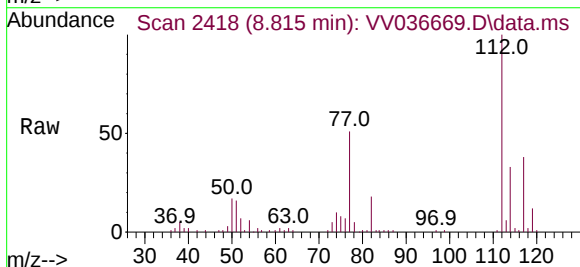
RT: 8.815 min Scan# 2418

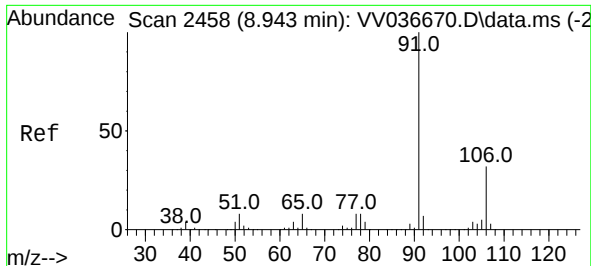
Delta R.T. 0.003 min

Lab File: VV036669.D

Acq: 24 Jul 2024 17:23

Tgt Ion:	112	Resp:	52189
Ion	Ratio	Lower	Upper
112	100		
114	33.3	22.4	41.6
77	51.4	40.6	60.8





#52

Ethylbenzene

Concen: 7.443 ug/L

RT: 8.947 min Scan# 2458

Delta R.T. 0.003 min

Lab File: VV036669.D

Acq: 24 Jul 2024 17:23

Instrument :

MSVOA_V

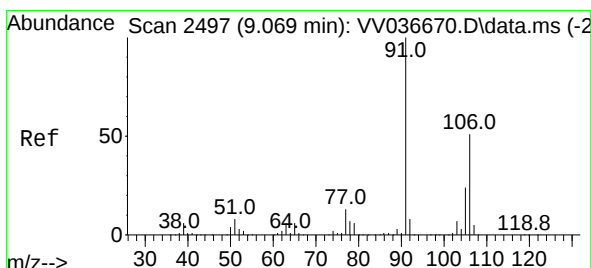
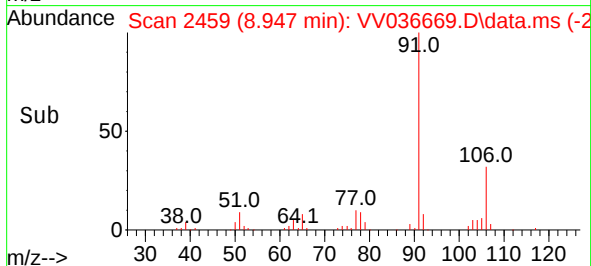
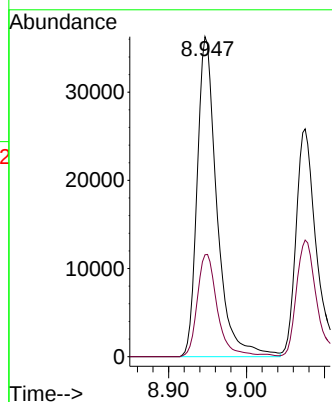
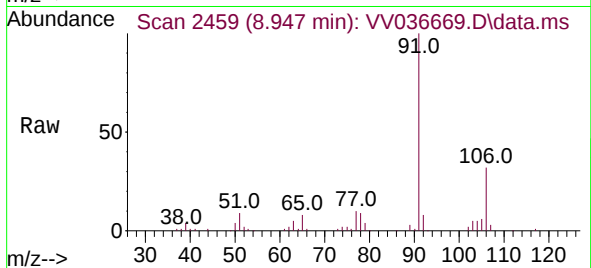
ClientSampleId :

Tgt Ion: 91 Resp: 64006

Ion Ratio Lower Upper

91 100

106 31.9 22.6 42.0



#53

m,p-Xylene

Concen: 7.160 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. 0.006 min

Lab File: VV036669.D

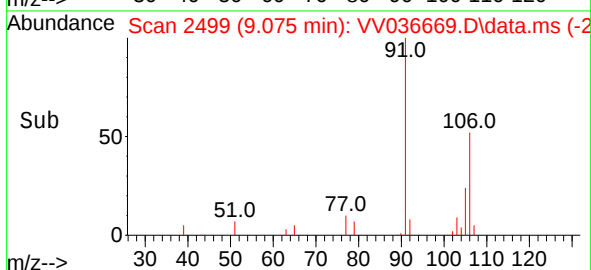
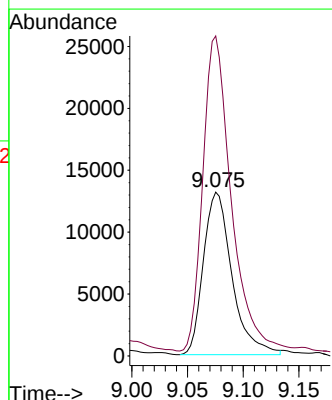
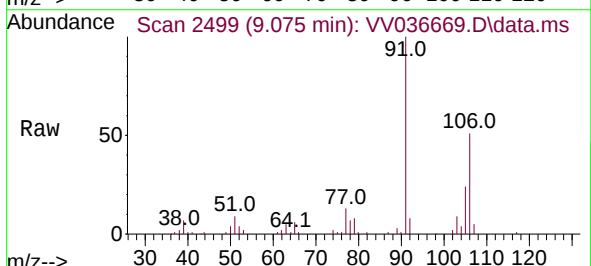
Acq: 24 Jul 2024 17:23

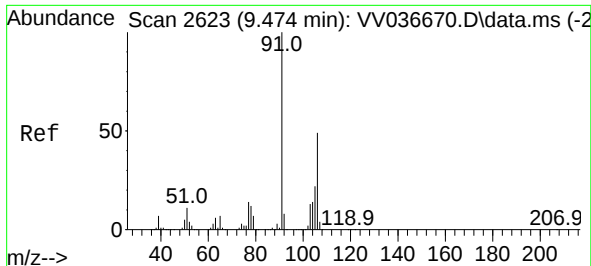
Tgt Ion: 106 Resp: 23518

Ion Ratio Lower Upper

106 100

91 195.2 138.0 256.4

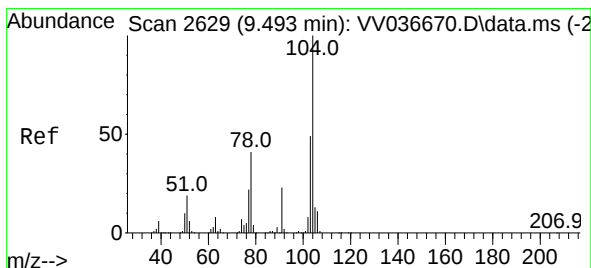
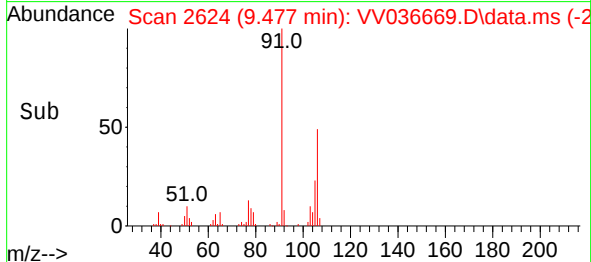
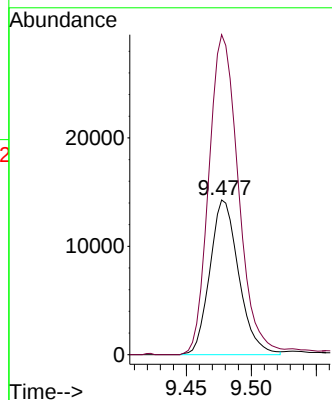
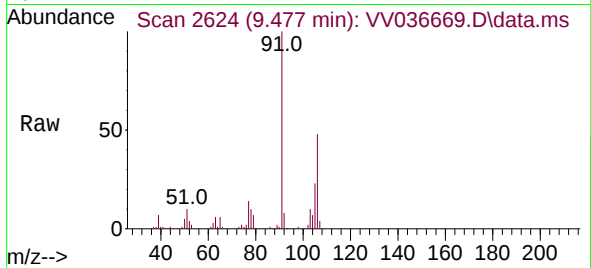




#54
o-Xylene
Concen: 6.875 ug/L
RT: 9.477 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV036669.D
Acq: 24 Jul 2024 17:23

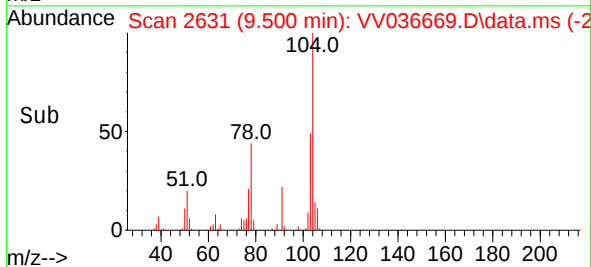
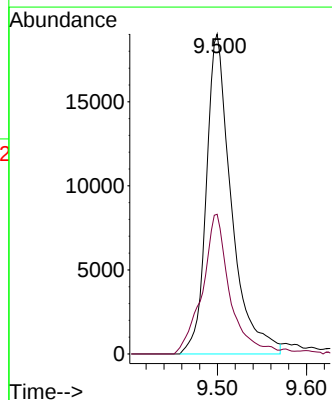
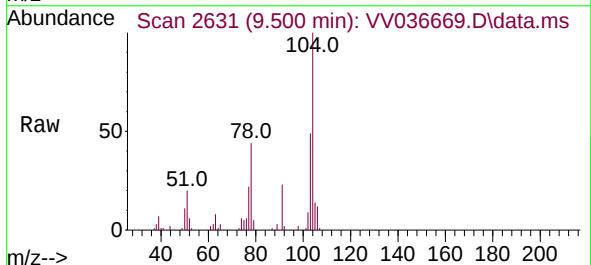
Instrument :
MSVOA_V
ClientSampleId :

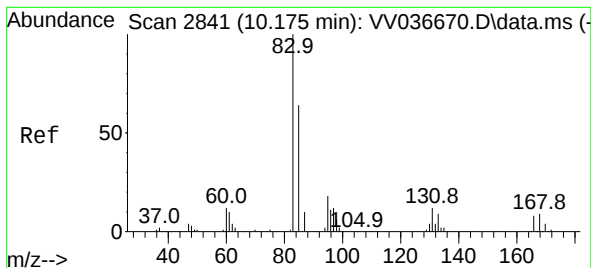
Tgt Ion:106 Resp: 22056
Ion Ratio Lower Upper
106 100
91 206.7 144.0 267.4



#55
Styrene
Concen: 6.713 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.006 min
Lab File: VV036669.D
Acq: 24 Jul 2024 17:23

Tgt Ion:104 Resp: 37158
Ion Ratio Lower Upper
104 100
78 43.7 28.6 53.2

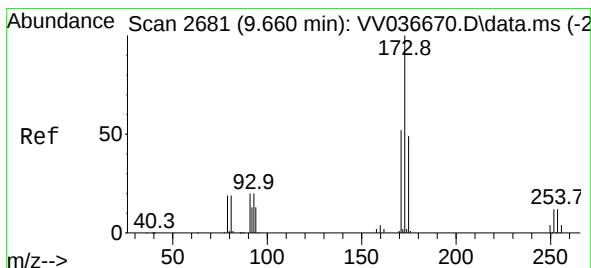
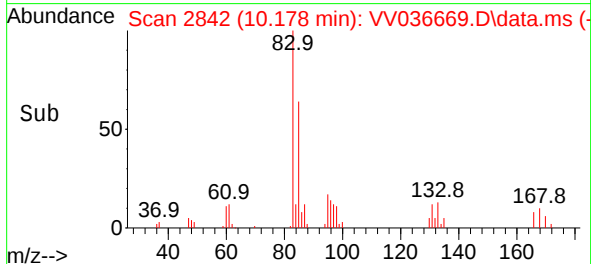
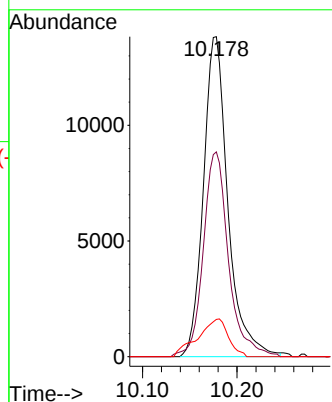
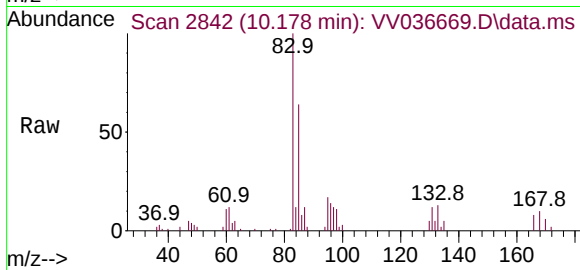




#57
1,1,2,2-Tetrachloroethane
Concen: 7.352 ug/L
RT: 10.178 min Scan# 2841
Delta R.T. 0.003 min
Lab File: VV036669.D
Acq: 24 Jul 2024 17:23

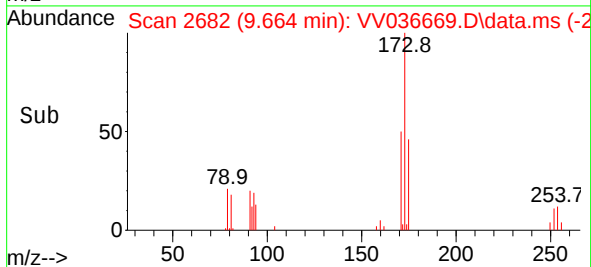
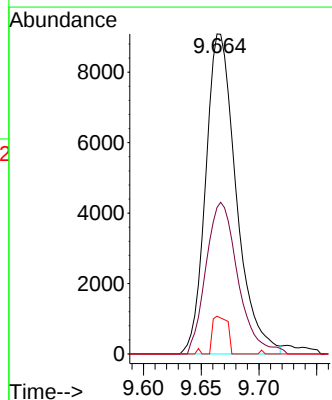
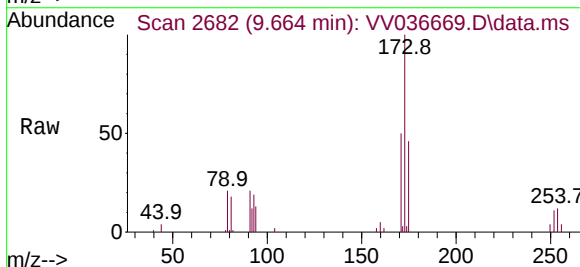
Instrument :
MSVOA_V
ClientSampleId :

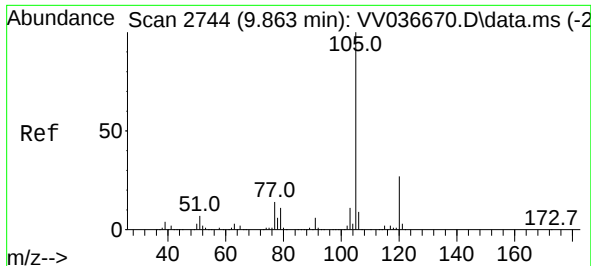
Tgt Ion: 83 Resp: 24918
Ion Ratio Lower Upper
83 100
85 64.0 44.7 83.1
131 11.6 9.4 14.2



#59
Bromoform
Concen: 9.543 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.003 min
Lab File: VV036669.D
Acq: 24 Jul 2024 17:23

Tgt Ion: 173 Resp: 16705
Ion Ratio Lower Upper
173 100
175 49.0 39.2 58.8
254 4.7 9.2 13.8#

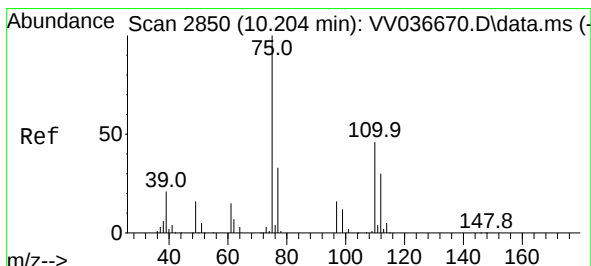
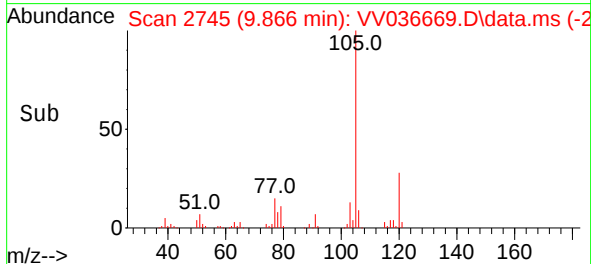
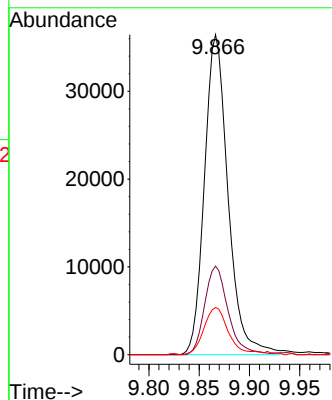
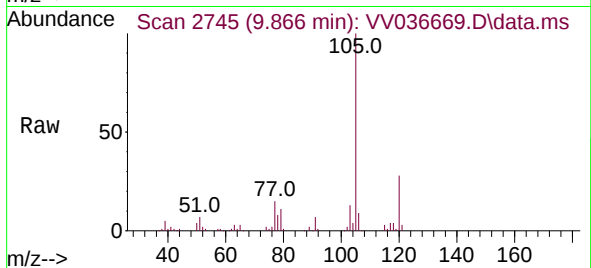




#60
Isopropylbenzene
Concen: 7.248 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV036669.D
Acq: 24 Jul 2024 17:23

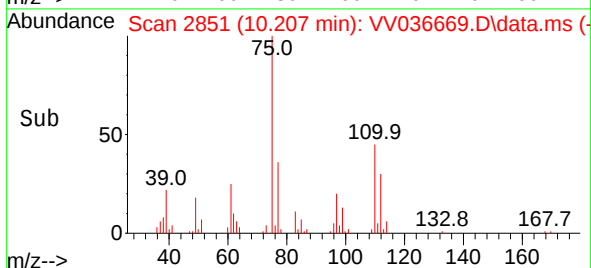
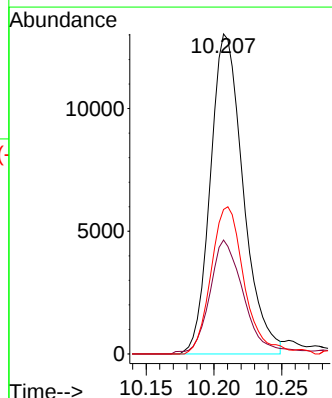
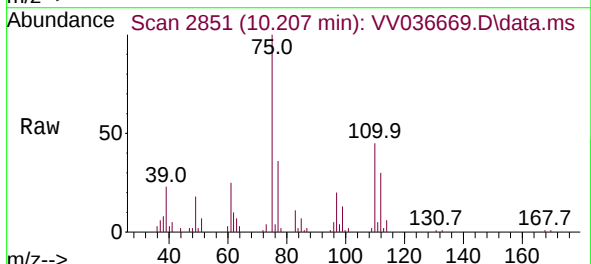
Instrument :
MSVOA_V
ClientSampleId :

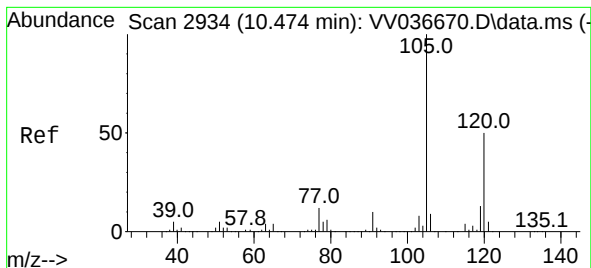
Tgt Ion:105 Resp: 59527
Ion Ratio Lower Upper
105 100
120 27.4 21.7 32.5
77 14.9 11.5 17.3



#61
1,2,3-Trichloropropane
Concen: 8.342 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.003 min
Lab File: VV036669.D
Acq: 24 Jul 2024 17:23

Tgt Ion: 75 Resp: 21979
Ion Ratio Lower Upper
75 100
77 34.2 26.1 39.1
110 46.4 36.7 55.1





#62

1,3,5-Trimethylbenzene

Concen: 6.284 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV036669.D

Acq: 24 Jul 2024 17:23

Instrument :

MSVOA_V

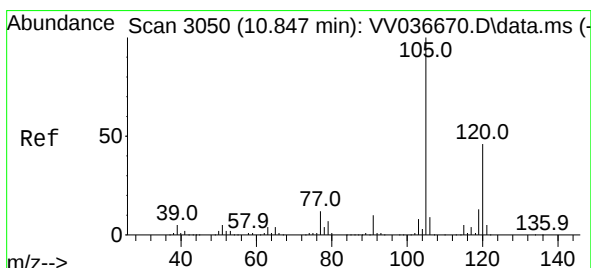
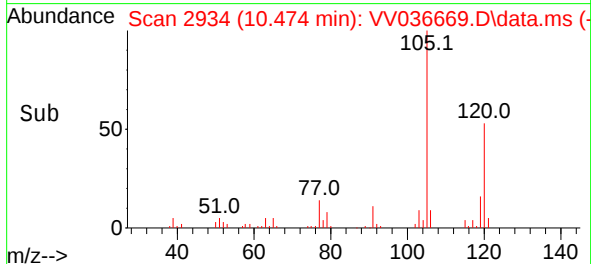
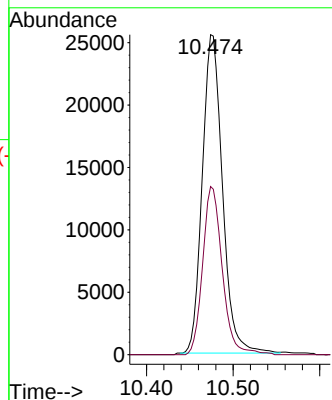
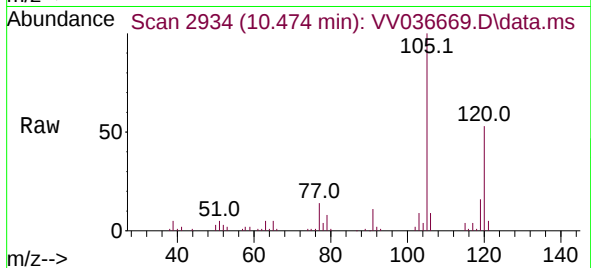
ClientSampleId :

Tgt Ion:105 Resp: 41315

Ion Ratio Lower Upper

105 100

120 51.3 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 6.441 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV036669.D

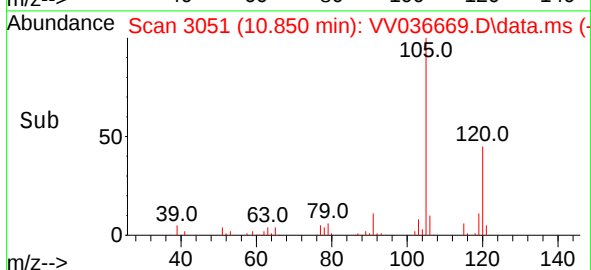
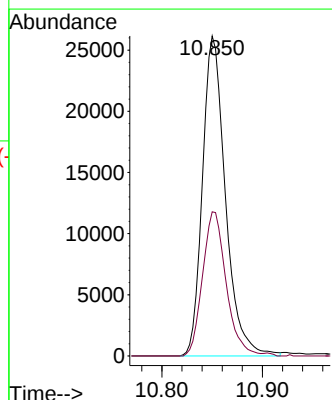
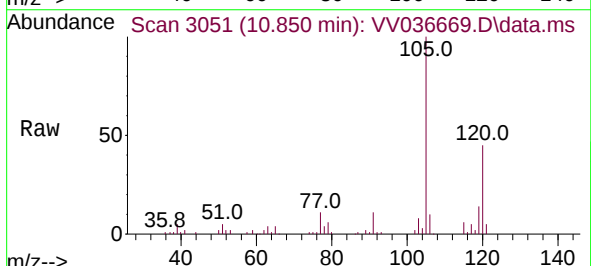
Acq: 24 Jul 2024 17:23

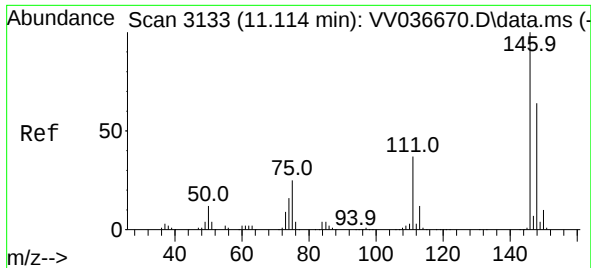
Tgt Ion:105 Resp: 41562

Ion Ratio Lower Upper

105 100

120 46.2 37.4 56.0

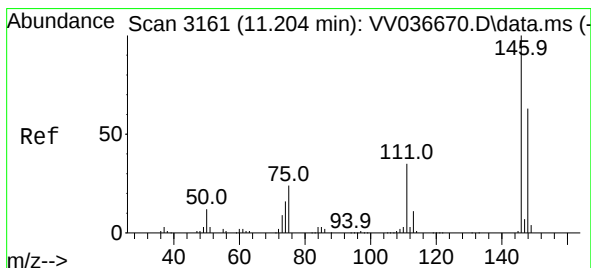
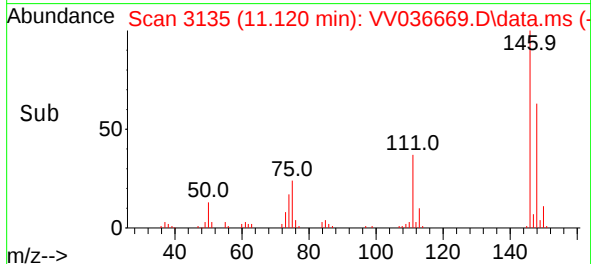
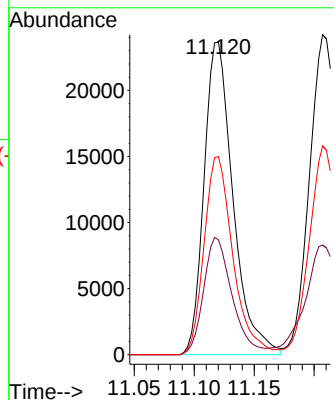
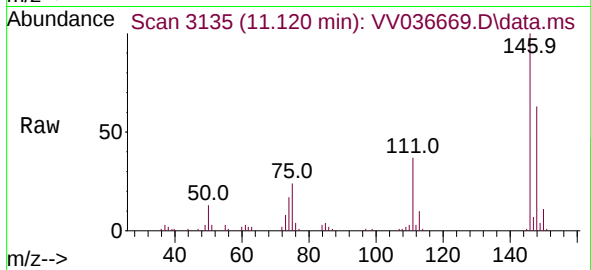




#64
1,3-Dichlorobenzene
Concen: 9.236 ug/L
RT: 11.120 min Scan# 3133
Delta R.T. 0.006 min
Lab File: VV036669.D
Acq: 24 Jul 2024 17:23

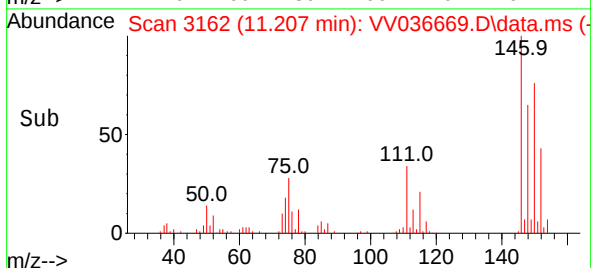
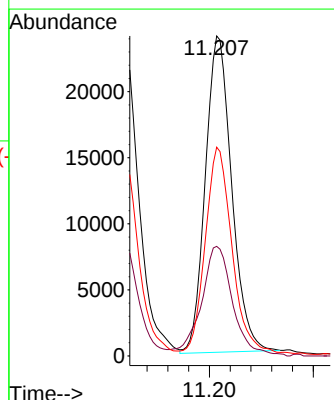
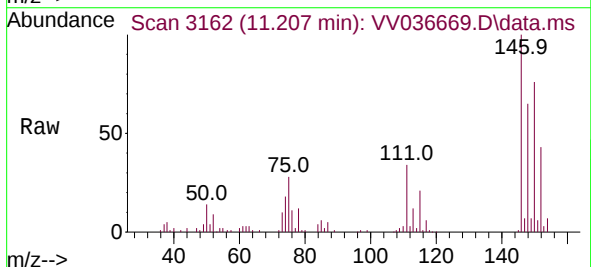
Instrument :
MSVOA_V
ClientSampleId :

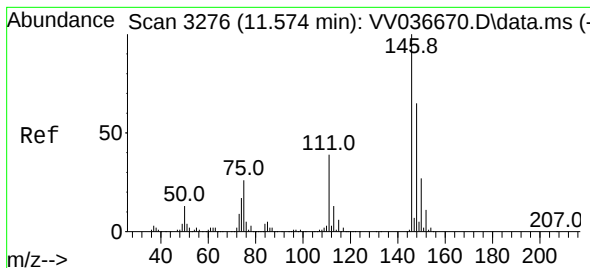
Tgt Ion:146 Resp: 39774
Ion Ratio Lower Upper
146 100
111 36.8 25.7 47.7
148 63.3 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 9.308 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.003 min
Lab File: VV036669.D
Acq: 24 Jul 2024 17:23

Tgt Ion:146 Resp: 42144
Ion Ratio Lower Upper
146 100
111 34.3 24.6 45.8
148 65.3 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 9.404 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV036669.D

Acq: 24 Jul 2024 17:23

Instrument :

MSVOA_V

ClientSampleId :

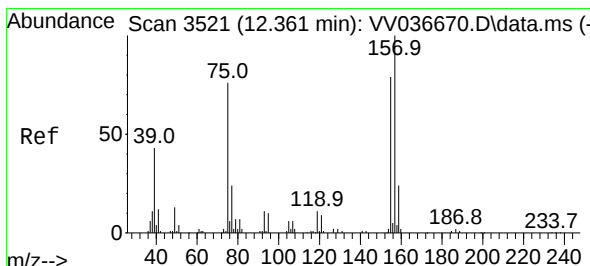
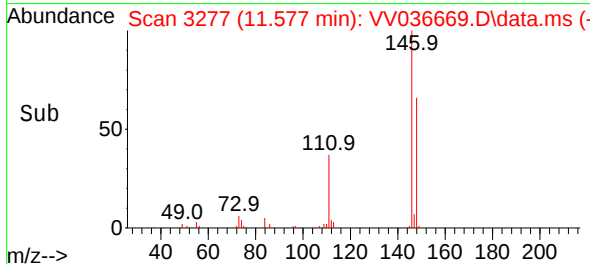
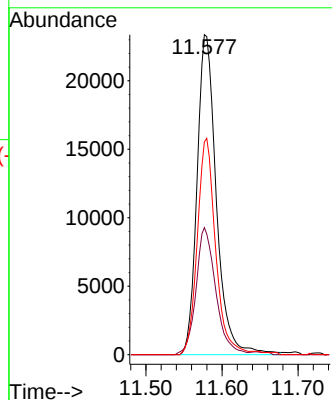
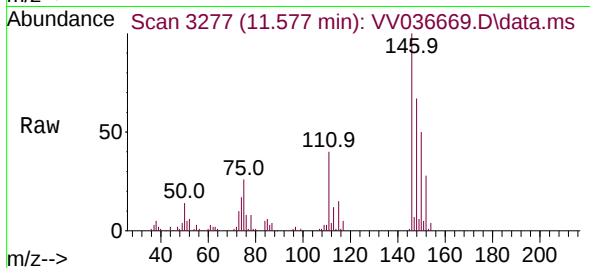
Tgt Ion:146 Resp: 41272

Ion Ratio Lower Upper

146 100

111 39.7 30.9 46.3

148 66.5 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 10.172 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.006 min

Lab File: VV036669.D

Acq: 24 Jul 2024 17:23

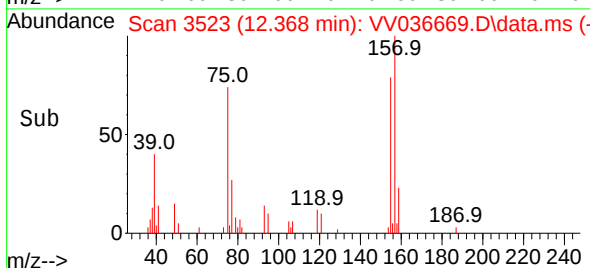
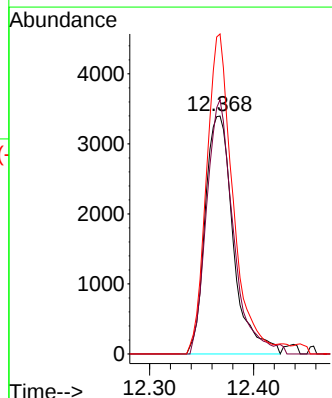
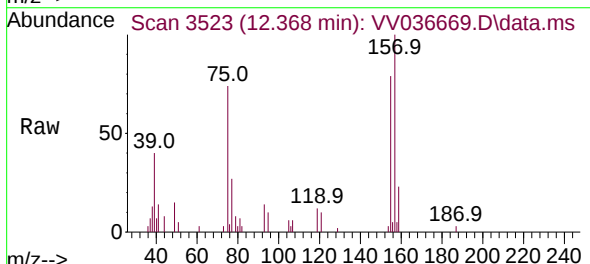
Tgt Ion: 75 Resp: 6382

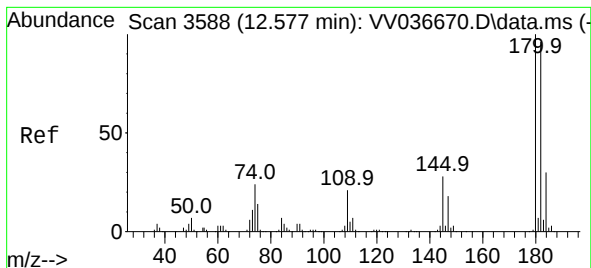
Ion Ratio Lower Upper

75 100

155 106.9 83.7 125.5

157 134.5 105.9 158.9





#69

1,3,5-Trichlorobenzene

Concen: 9.199 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.003 min

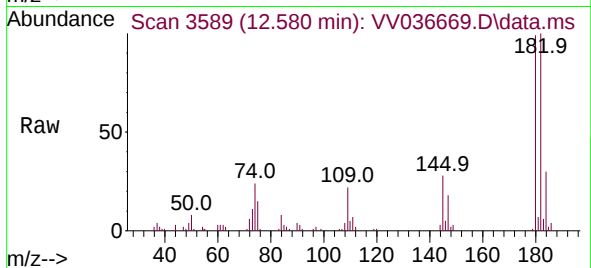
Lab File: VV036669.D

Acq: 24 Jul 2024 17:23

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 28358

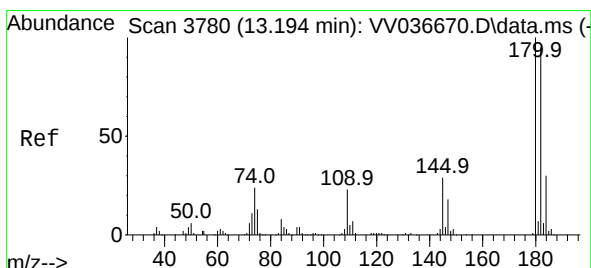
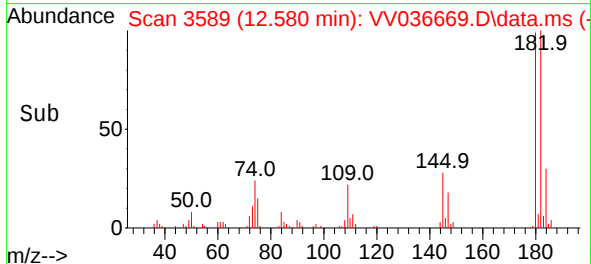
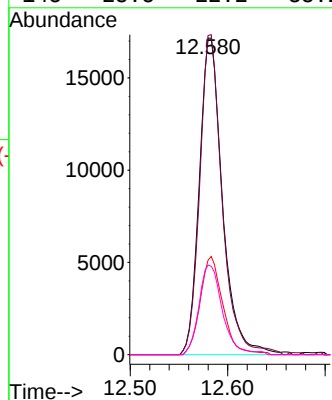
Ion Ratio Lower Upper

180 100

182 97.7 77.3 115.9

184 30.2 24.2 36.4

145 28.5 22.2 33.2



#70

1,2,4-trichlorobenzene

Concen: 9.496 ug/L

RT: 13.200 min Scan# 3782

Delta R.T. 0.006 min

Lab File: VV036669.D

Acq: 24 Jul 2024 17:23

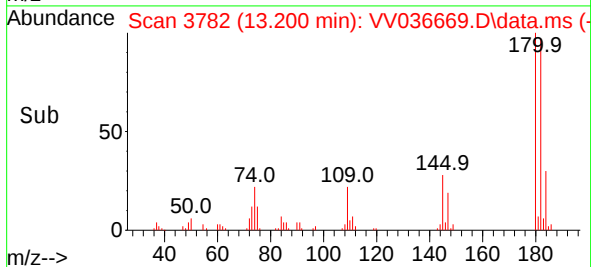
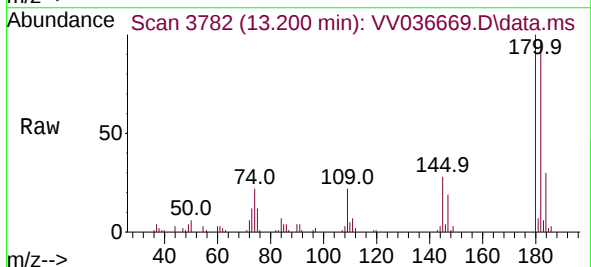
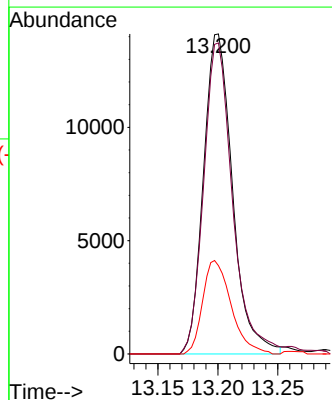
Tgt Ion:180 Resp: 23775

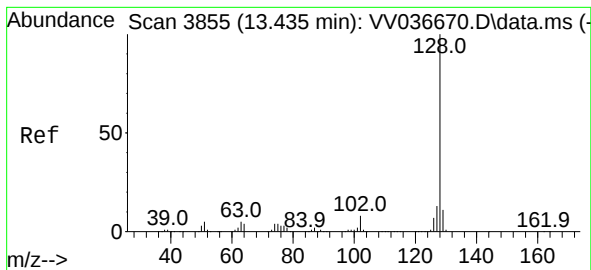
Ion Ratio Lower Upper

180 100

182 96.7 75.8 113.8

145 28.6 22.9 34.3





#71

Naphthalene

Concen: 9.797 ug/L

RT: 13.438 min Scan# 3855

Delta R.T. 0.003 min

Lab File: VV036669.D

Acq: 24 Jul 2024 17:23

Instrument :

MSVOA_V

ClientSampleId :

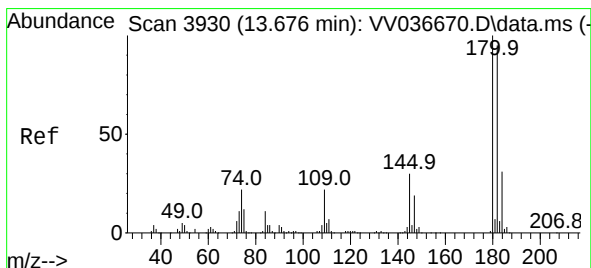
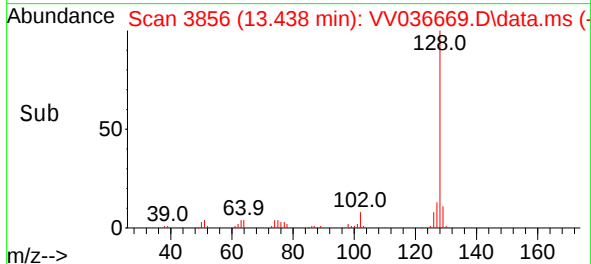
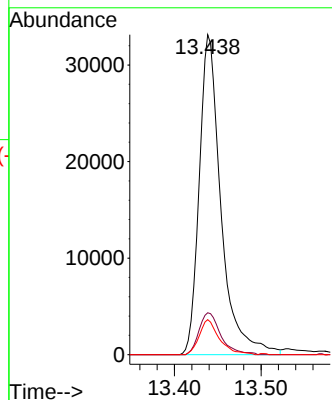
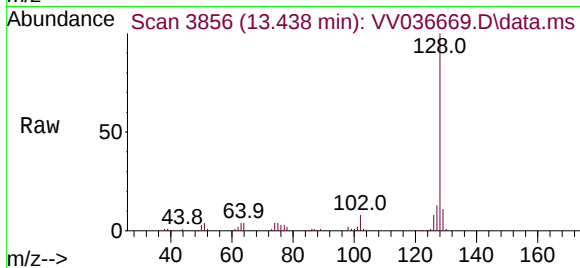
Tgt Ion:128 Resp: 57830

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 10.1 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 10.490 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.003 min

Lab File: VV036669.D

Acq: 24 Jul 2024 17:23

Tgt Ion:180 Resp: 26334

Ion Ratio Lower Upper

180 100

182 93.0 76.4 114.6

145 29.8 23.9 35.9

