

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031124\
 Data File : VV034543.D
 Acq On : 11 Mar 2024 15:16
 Operator : SY/MD
 Sample : P1637-06MS
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 12 01:32:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 12 01:30:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	302002	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	289011	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	154361	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	85752	32.754	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.500%
7) Chloroethane-d5	1.523	69	80657	39.545	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.080%
11) 1,1-Dichloroethene-d2	2.053	65	39670	33.505	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.000%
21) 2-Butanone-d5	3.776	46	204132	116.594	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.590%
24) Chloroform-d	4.243	84	215979	46.658	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.320%
26) 1,2-Dichloroethane-d4	4.937	65	145863	48.220	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.440%
32) Benzene-d6	4.953	84	366085	41.971	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.940%
36) 1,2-Dichloropropane-d6	5.985	67	122545	46.036	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.080%
41) Toluene-d8	7.239	98	323347	40.964	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.920%
43) trans-1,3-Dichloroprop...	7.548	79	61447	45.968	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.940%
47) 2-Hexanone-d5	8.017	63	145854	109.727	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.730%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	185342	52.909	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.820%
66) 1,2-Dichlorobenzene-d4	11.557	152	139599	44.244	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	153293	48.391	ug/L	99
3) Chloromethane	1.214	50	155191	49.857	ug/L	100
5) Vinyl chloride	1.281	62	146263	48.407	ug/L	98
6) Bromomethane	1.471	94	94244	51.986	ug/L	98
8) Chloroethane	1.539	64	92577	51.549	ug/L	99
9) Trichlorofluoromethane	1.709	101	216906	47.937	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	119730	49.096	ug/L	98
12) 1,1-Dichloroethene	2.066	96	108649	48.045	ug/L	89
13) Acetone	2.108	43	141902	67.421	ug/L	99
14) Carbon disulfide	2.236	76	309857	49.372	ug/L	100
15) Methyl Acetate	2.368	43	162356	60.296	ug/L	99
16) Methylene chloride	2.442	84	133247	55.549	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	112464	51.382	ug/L	95
18) Methyl tert-butyl Ether	2.699	73	450072	57.259	ug/L	100
19) 1,1-Dichloroethane	3.104	63	237984	55.504	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	132219	55.675	ug/L	99
22) 2-Butanone	3.860	43	199974	96.217	ug/L	100
23) Bromochloromethane	4.140	128	70205	57.170	ug/L	95
25) Chloroform	4.272	83	241466	54.334	ug/L	100

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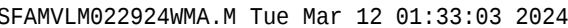
Instrument :
 MSVOA_V
 ClientSampleId :

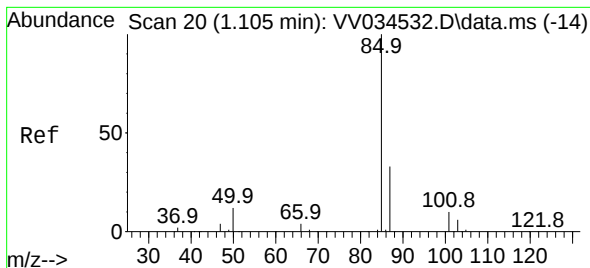
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	199579	55.274	ug/L	100
29) Cyclohexane	4.577	56	185793	48.874	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	210567	50.808	ug/L	100
31) Carbon tetrachloride	4.731	117	180668	49.239	ug/L	100
33) Benzene	5.005	78	482497	53.785	ug/L	100
34) Trichloroethene	5.828	95	129484	50.778	ug/L	97
35) Methylcyclohexane	6.043	83	194059	50.058	ug/L	99
37) 1,2-Dichloropropane	6.088	63	130602	55.607	ug/L	99
38) Bromodichloromethane	6.429	83	181807	55.032	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	216867	56.991	ug/L	98
40) 4-Methyl-2-pentanone	7.153	43	403445	116.493	ug/L	99
42) Toluene	7.313	91	502861	52.964	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	204714	55.936	ug/L	98
45) 1,1,2-Trichloroethane	7.763	97	128762	56.820	ug/L	100
46) Tetrachloroethene	7.902	164	96039	50.642	ug/L	98
48) 2-Hexanone	8.069	43	307552	111.445	ug/L	100
49) Dibromochloromethane	8.172	129	132356	55.347	ug/L	95
50) 1,2-Dibromoethane	8.278	107	134596	55.972	ug/L	100
51) Chlorobenzene	8.812	112	327293	53.323	ug/L	99
52) Ethylbenzene	8.943	91	559026	52.548	ug/L	99
53) m,p-Xylene	9.069	106	209124	51.802	ug/L	99
54) o-Xylene	9.477	106	209596	53.021	ug/L	97
55) Styrene	9.493	104	364035	54.389	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	190971	56.107	ug/L	98
59) Bromoform	9.664	173	94004	54.928	ug/L	100
60) Isopropylbenzene	9.863	105	557216	51.040	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	165191	56.062	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	478496	51.959	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	484215	53.163	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	265421	52.583	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	264988	51.696	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	263951	52.185	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	47398	54.000	ug/L	99
69) 1,3,5-Trichlorobenzene	12.580	180	186939	49.367	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	169978	49.886	ug/L	99
71) Naphthalene	13.438	128	463266	50.828	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	168768	50.773	ug/L	99

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

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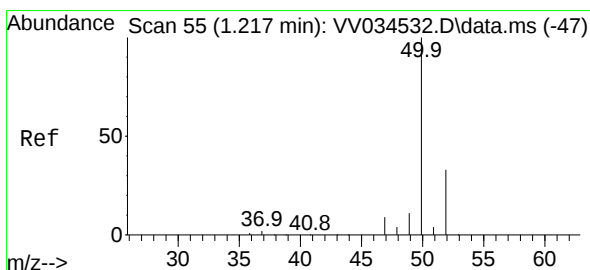
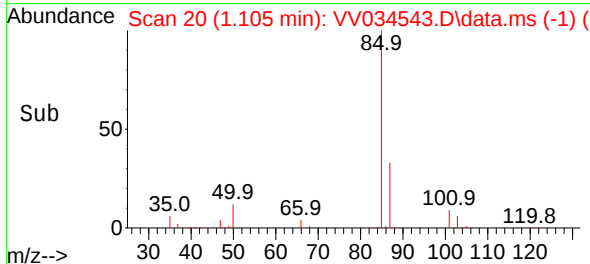
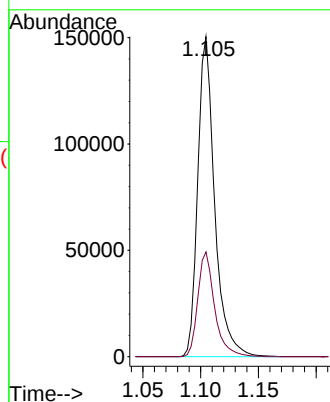
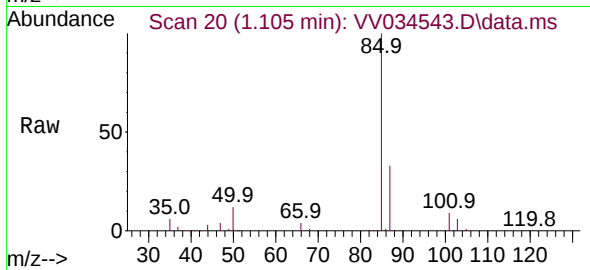




#2
 Dichlorodifluoromethane
 Concen: 48.391 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV034543.D
 Acq: 11 Mar 2024 15:16

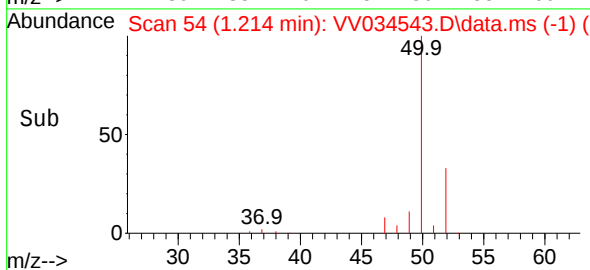
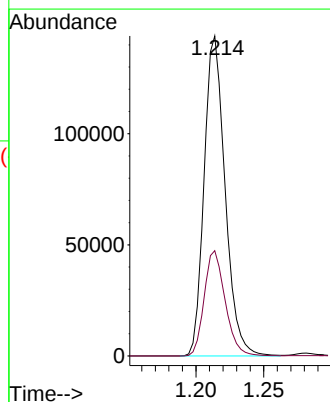
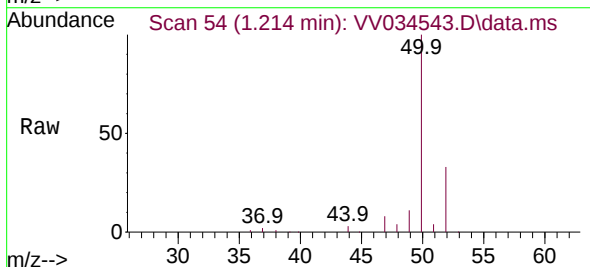
Instrument :
 MSVOA_V
 ClientSampleId :

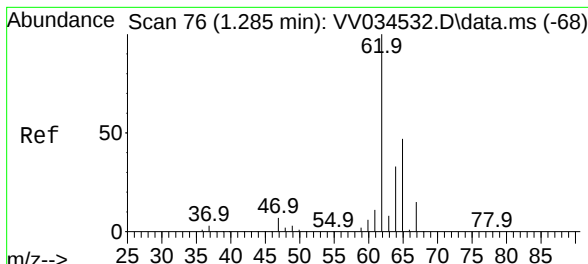
Tgt Ion: 85 Resp: 153293
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.5 38.3



#3
 Chloromethane
 Concen: 49.857 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV034543.D
 Acq: 11 Mar 2024 15:16

Tgt Ion: 50 Resp: 155191
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.0 42.8

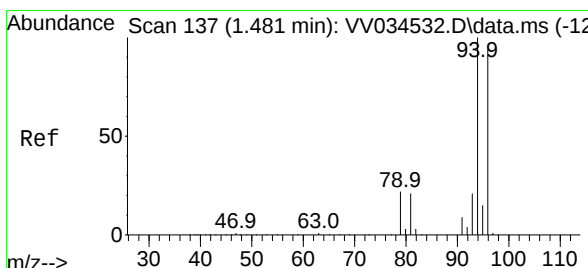
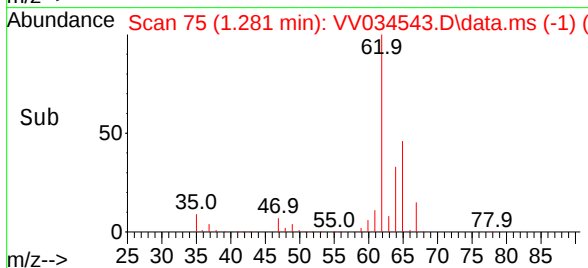
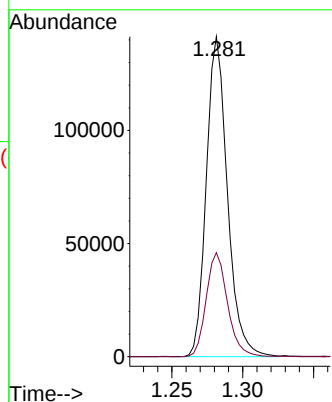
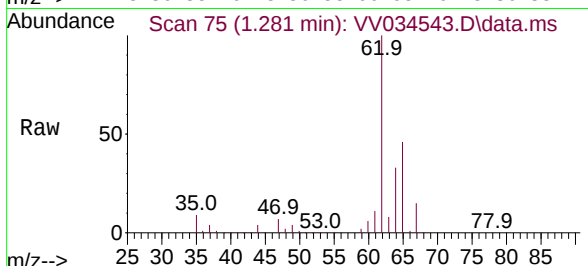




#5
Vinyl chloride
Concen: 48.407 ug/L
RT: 1.281 min Scan# 76
Delta R.T. -0.003 min
Lab File: VV034543.D
Acq: 11 Mar 2024 15:16

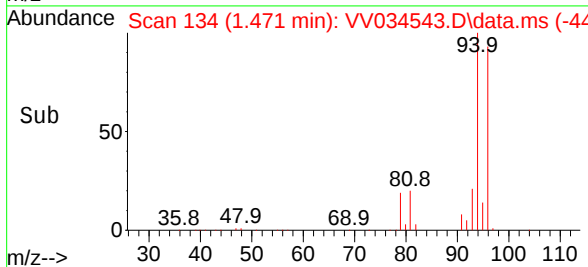
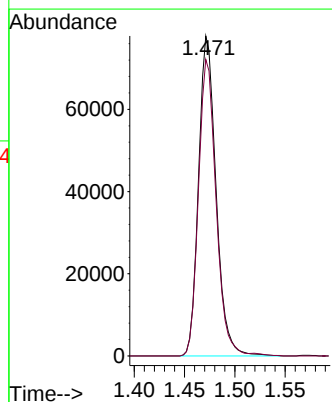
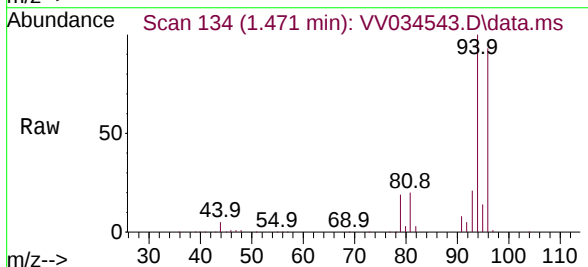
Instrument :
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ClientSampleId :

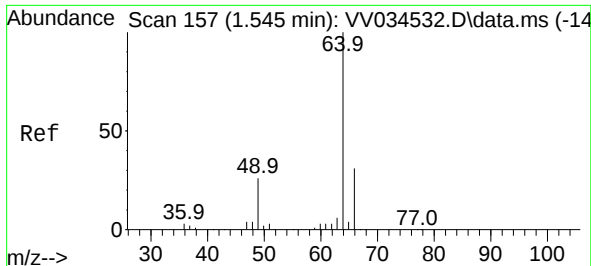
Tgt Ion: 62 Resp: 146263
Ion Ratio Lower Upper
62 100
64 32.5 23.4 43.6



#6
Bromomethane
Concen: 51.986 ug/L
RT: 1.471 min Scan# 134
Delta R.T. -0.010 min
Lab File: VV034543.D
Acq: 11 Mar 2024 15:16

Tgt Ion: 94 Resp: 94244
Ion Ratio Lower Upper
94 100
96 92.7 66.0 122.6

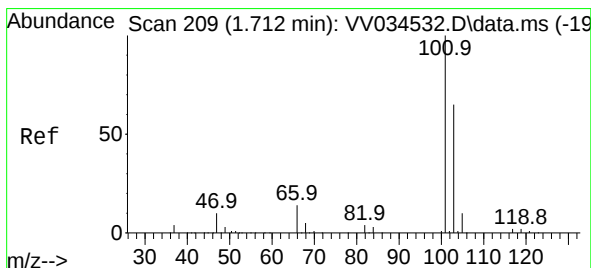
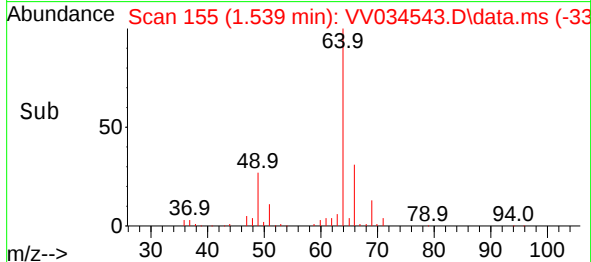
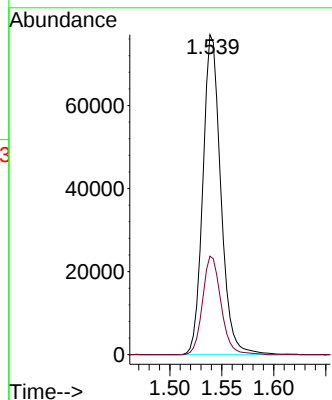
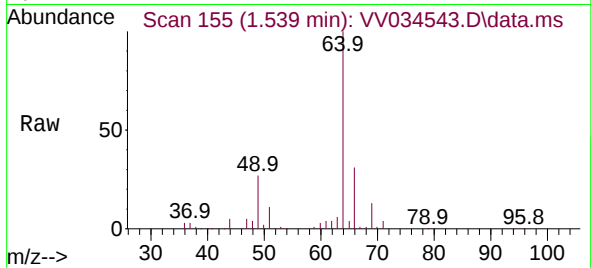




#8
Chloroethane
Concen: 51.549 ug/L
RT: 1.539 min Scan# 11
Delta R.T. -0.006 min
Lab File: VV034543.D
Acq: 11 Mar 2024 15:16

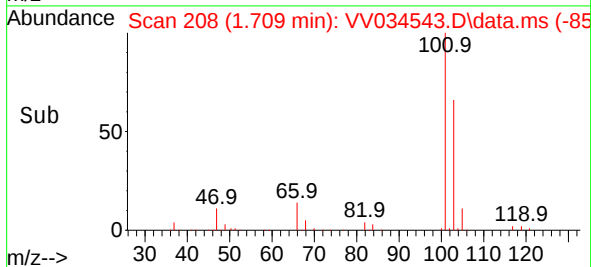
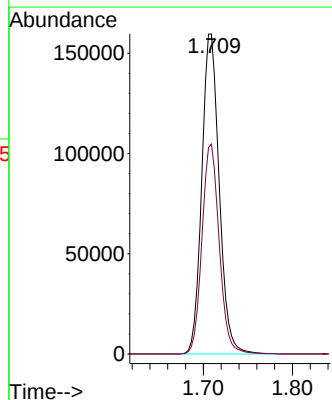
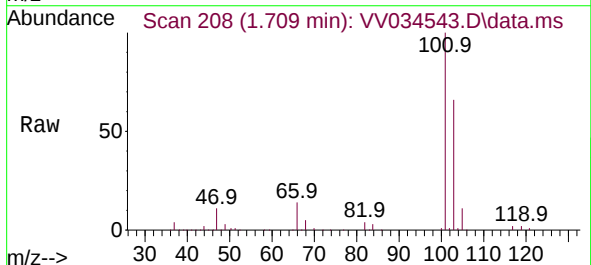
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ClientSampleId :

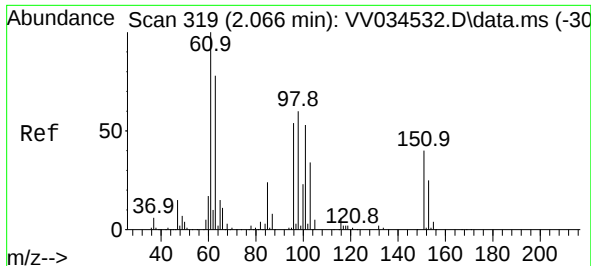
Tgt Ion: 64 Resp: 92577
Ion Ratio Lower Upper
64 100
66 30.8 22.0 40.8



#9
Trichlorofluoromethane
Concen: 47.937 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.003 min
Lab File: VV034543.D
Acq: 11 Mar 2024 15:16

Tgt Ion:101 Resp: 216906
Ion Ratio Lower Upper
101 100
103 64.9 51.8 77.8

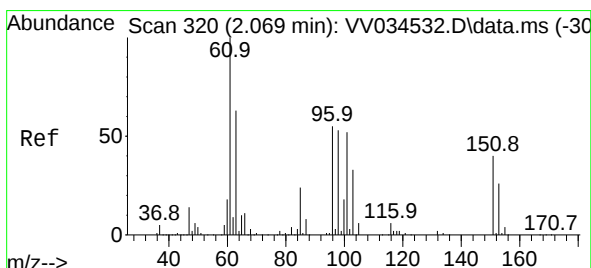
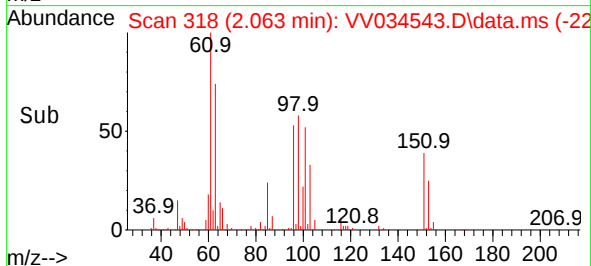
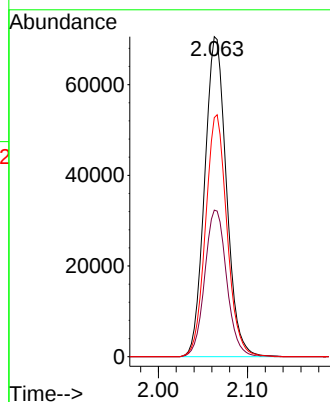
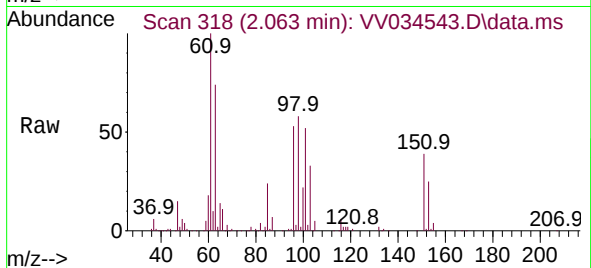




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 49.096 ug/L
RT: 2.063 min Scan# 319
Delta R.T. -0.003 min
Lab File: VV034543.D
Acq: 11 Mar 2024 15:16

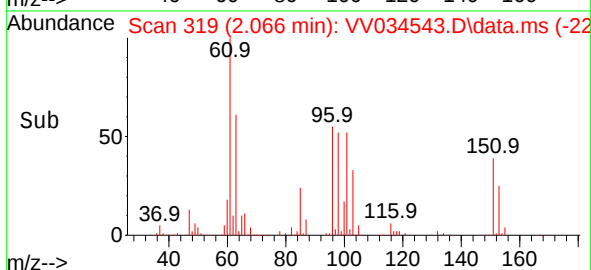
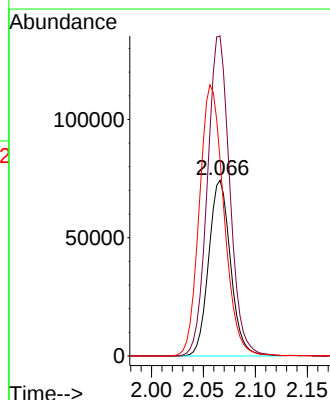
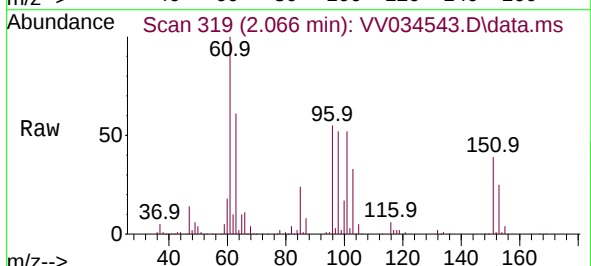
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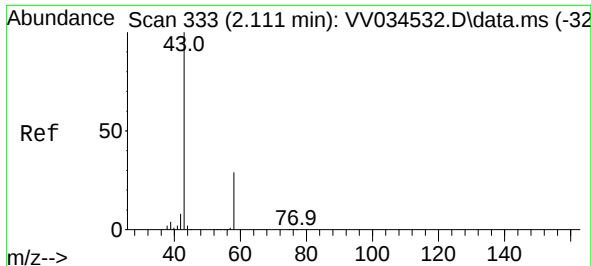
Tgt Ion:101 Resp: 119730
Ion Ratio Lower Upper
101 100
85 46.2 37.4 56.0
151 74.6 61.4 92.2



#12
1,1-Dichloroethene
Concen: 48.045 ug/L
RT: 2.066 min Scan# 319
Delta R.T. -0.003 min
Lab File: VV034543.D
Acq: 11 Mar 2024 15:16

Tgt Ion: 96 Resp: 108649
Ion Ratio Lower Upper
96 100
61 182.1 128.9 239.3
63 112.0 98.0 182.0





#13

Acetone

Concen: 67.421 ug/L

RT: 2.108 min Scan# 34

Delta R.T. -0.003 min

Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

Instrument :

MSVOA_V

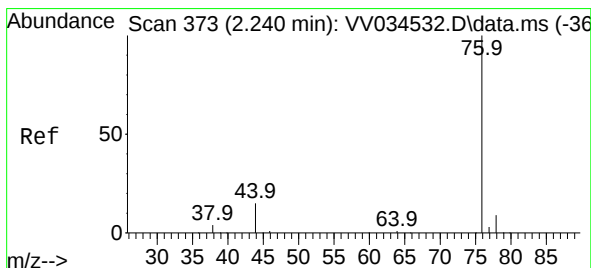
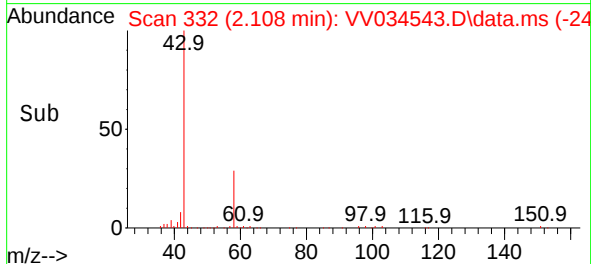
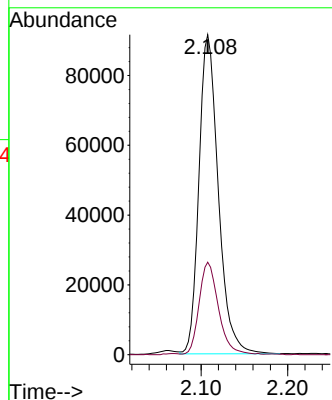
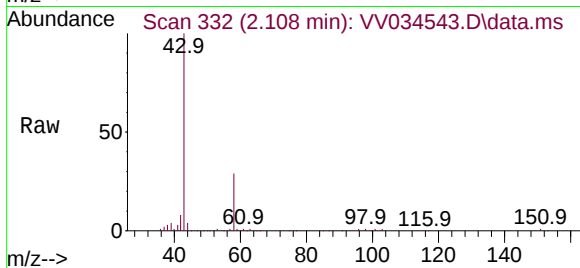
ClientSampleId :

Tgt Ion: 43 Resp: 141902

Ion Ratio Lower Upper

43 100

58 28.9 0.0 57.2



#14

Carbon disulfide

Concen: 49.372 ug/L

RT: 2.236 min Scan# 372

Delta R.T. -0.003 min

Lab File: VV034543.D

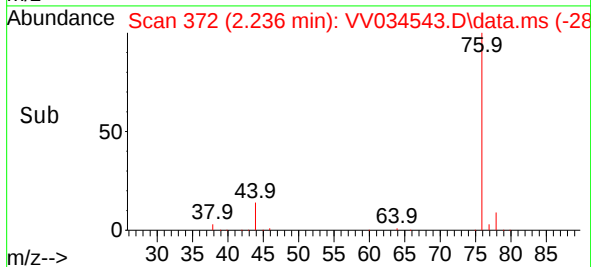
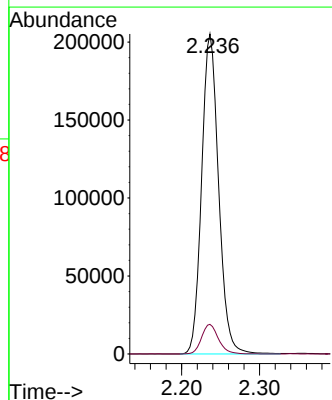
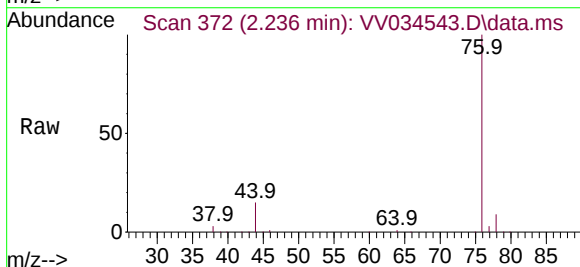
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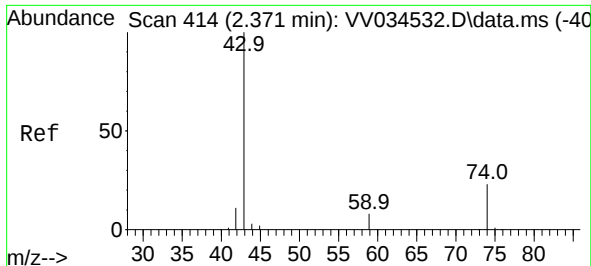
Tgt Ion: 76 Resp: 309857

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3





#15

Methyl Acetate

Concen: 60.296 ug/L

RT: 2.368 min Scan# 41

Delta R.T. -0.003 min

Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

Instrument :

MSVOA_V

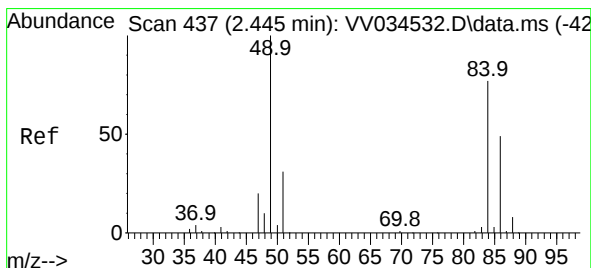
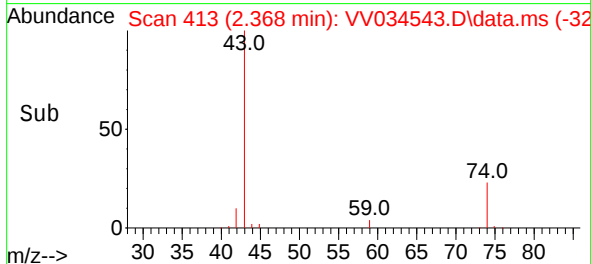
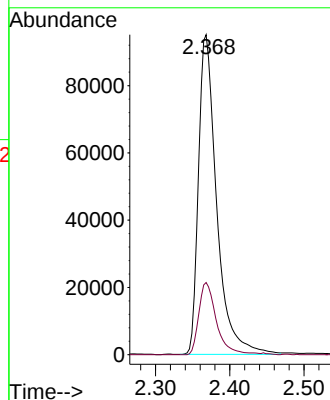
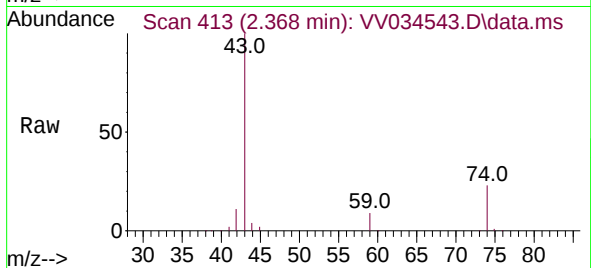
ClientSampleId :

Tgt Ion: 43 Resp: 162356

Ion Ratio Lower Upper

43 100

74 21.9 17.8 26.8



#16

Methylene chloride

Concen: 55.549 ug/L

RT: 2.442 min Scan# 436

Delta R.T. -0.003 min

Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

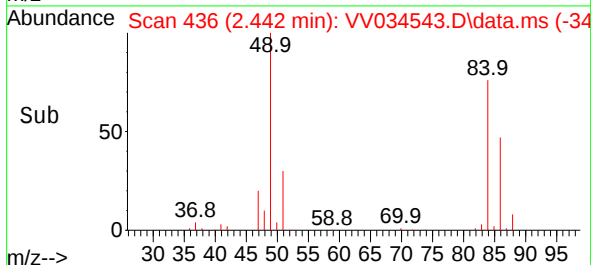
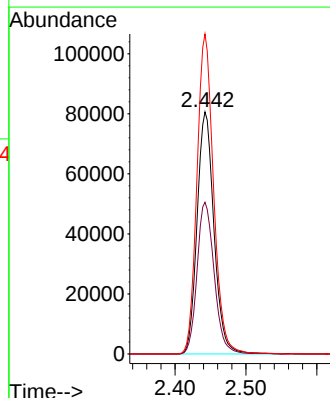
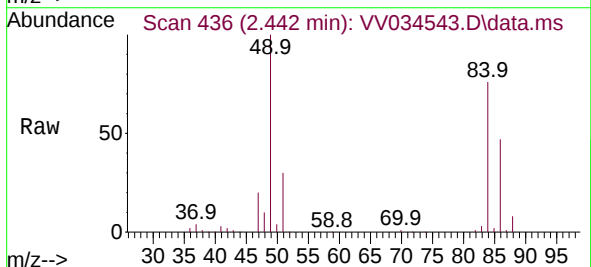
Tgt Ion: 84 Resp: 133247

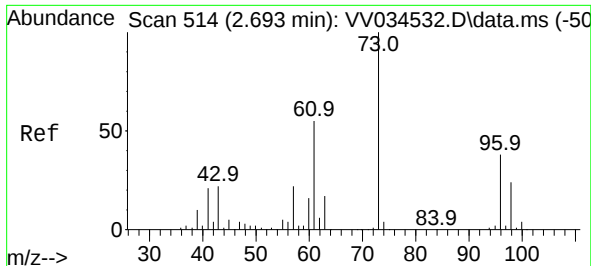
Ion Ratio Lower Upper

84 100

86 62.6 45.6 84.6

49 132.2 92.3 171.3





#17

trans-1,2-Dichloroethene

Concen: 51.382 ug/L

RT: 2.690 min Scan# 514

Delta R.T. -0.003 min

Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

Instrument :

MSVOA_V

ClientSampleId :

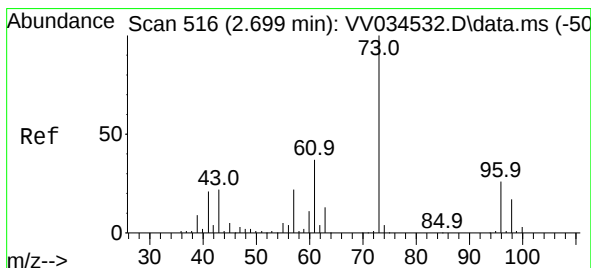
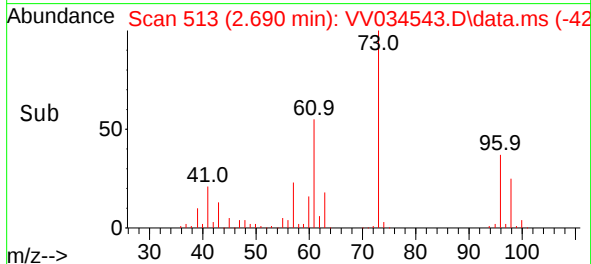
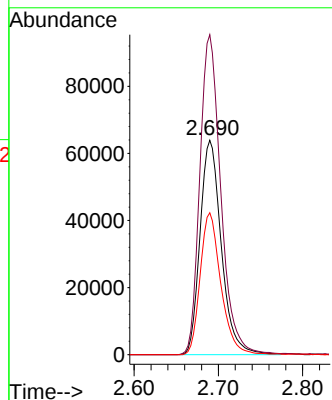
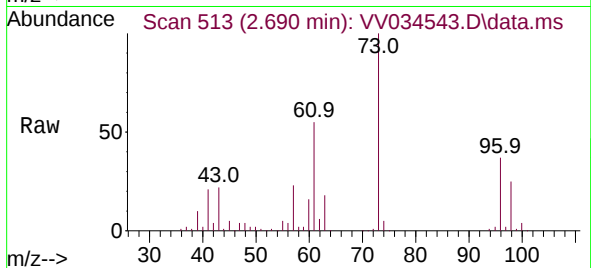
Tgt Ion: 96 Resp: 112464

Ion Ratio Lower Upper

96 100

61 149.3 98.8 183.4

98 66.2 46.1 85.5



#18

Methyl tert-butyl Ether

Concen: 57.259 ug/L

RT: 2.699 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

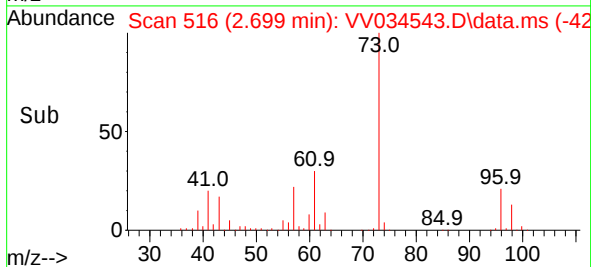
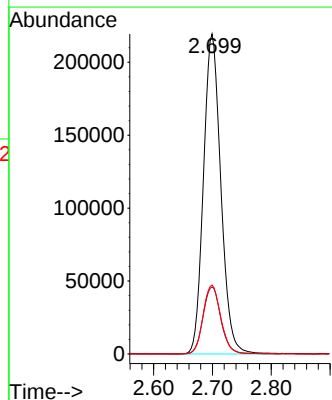
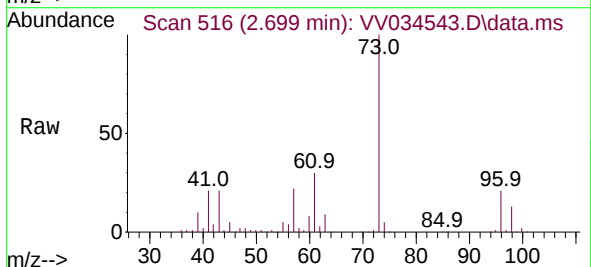
Tgt Ion: 73 Resp: 450072

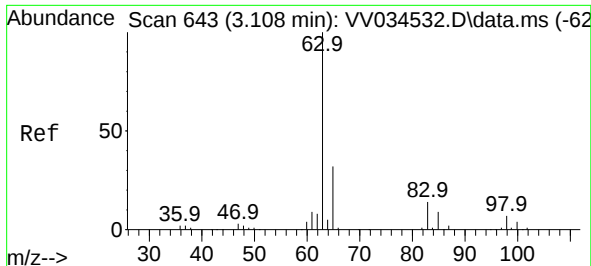
Ion Ratio Lower Upper

73 100

43 21.3 17.1 25.7

57 21.8 17.6 26.4

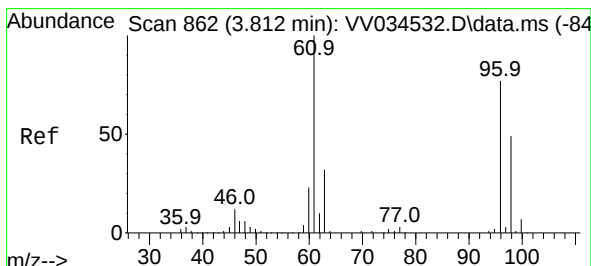
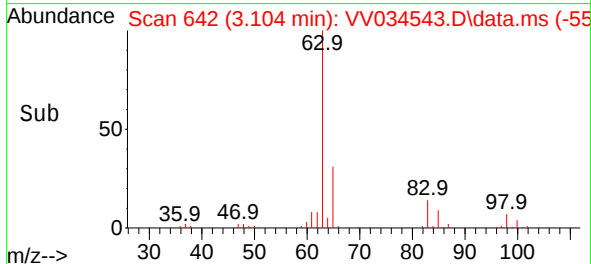
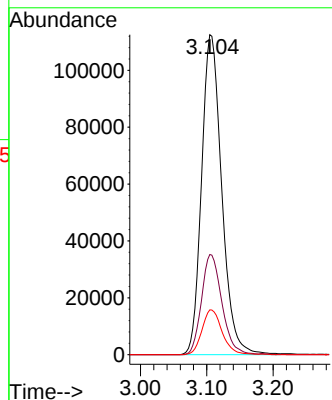
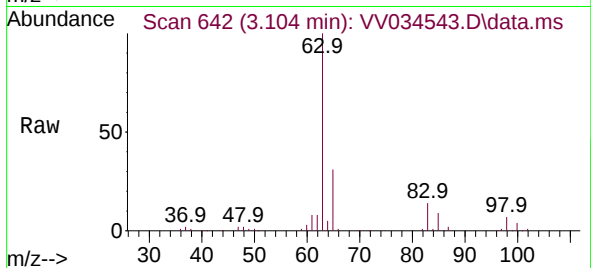




#19
1,1-Dichloroethane
Concen: 55.504 ug/L
RT: 3.104 min Scan# 64
Delta R.T. -0.003 min
Lab File: VV034543.D
Acq: 11 Mar 2024 15:16

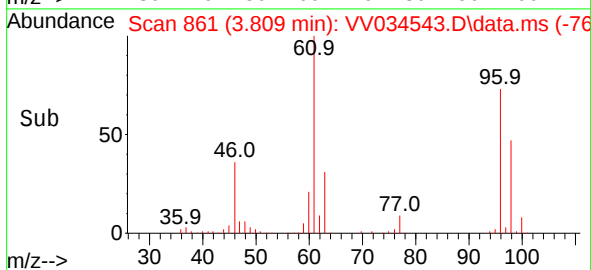
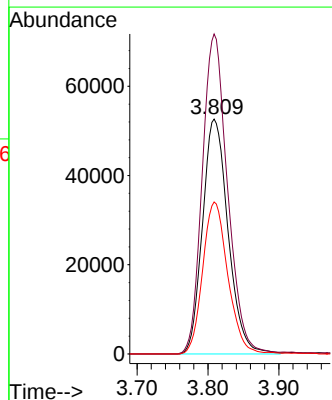
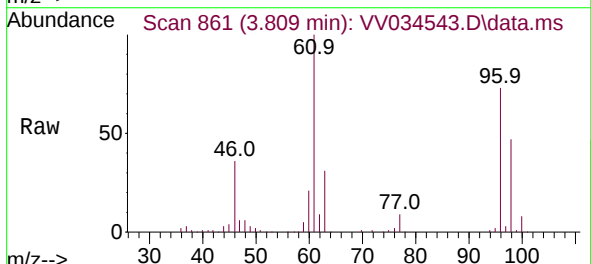
Instrument :
MSVOA_V
ClientSampleId :

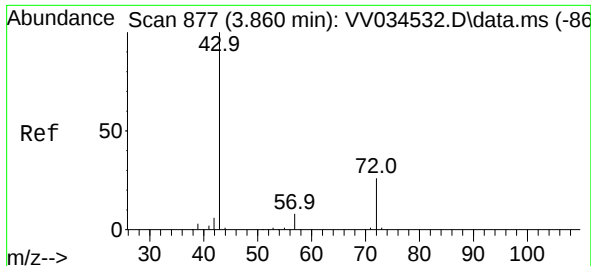
Tgt Ion: 63 Resp: 237984
Ion Ratio Lower Upper
63 100
65 31.3 22.1 41.1
83 14.0 9.9 18.3



#20
cis-1,2-Dichloroethene
Concen: 55.675 ug/L
RT: 3.809 min Scan# 861
Delta R.T. -0.003 min
Lab File: VV034543.D
Acq: 11 Mar 2024 15:16

Tgt Ion: 96 Resp: 132219
Ion Ratio Lower Upper
96 100
61 136.3 96.0 178.4
98 64.7 46.0 85.4





#22

2-Butanone

Concen: 96.217 ug/L

RT: 3.860 min Scan# 81

Delta R.T. -0.000 min

Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

Instrument :

MSVOA_V

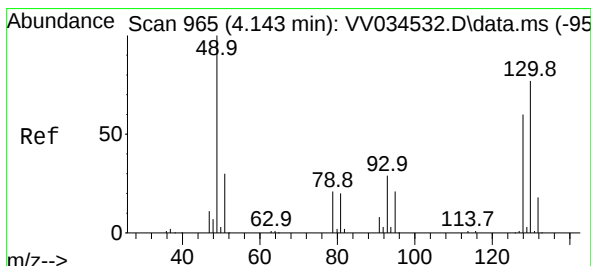
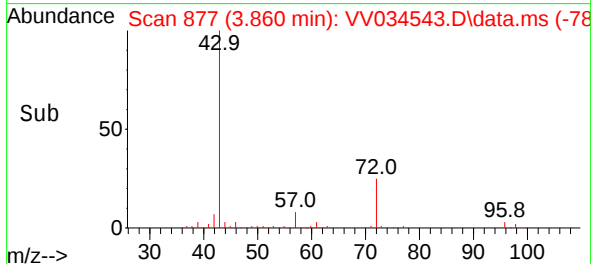
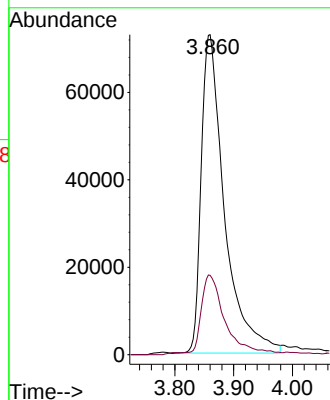
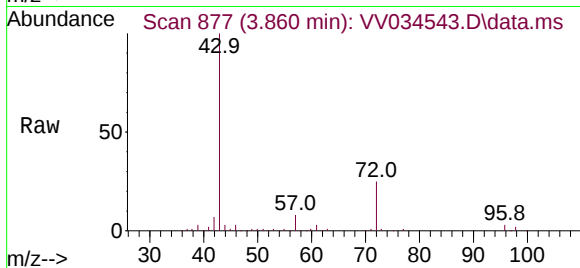
ClientSampleId :

Tgt Ion: 43 Resp: 199974

Ion Ratio Lower Upper

43 100

72 22.8 11.5 34.4



#23

Bromochloromethane

Concen: 57.170 ug/L

RT: 4.140 min Scan# 964

Delta R.T. -0.003 min

Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

Tgt Ion: 128 Resp: 70205

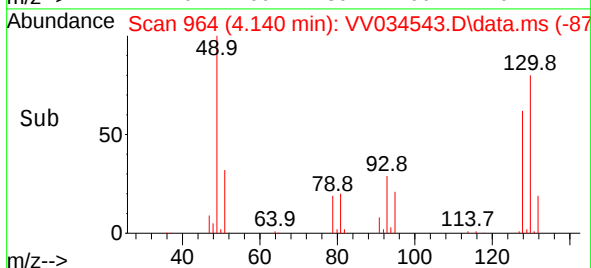
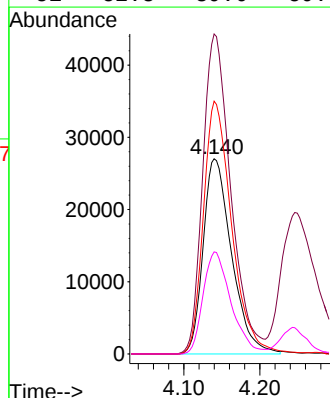
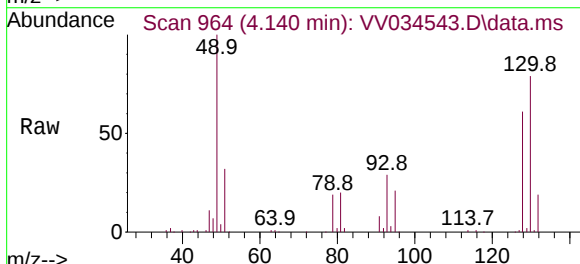
Ion Ratio Lower Upper

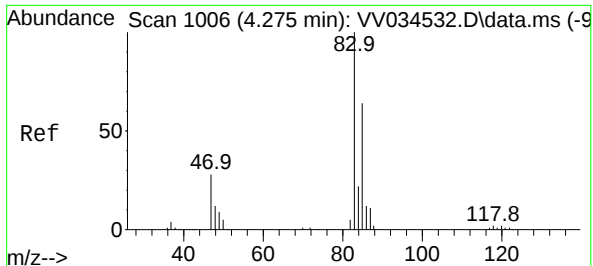
128 100

49 164.0 109.4 203.2

130 129.5 87.7 162.9

51 52.3 39.6 59.4





#25

Chloroform

Concen: 54.334 ug/L

RT: 4.272 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

Instrument :

MSVOA_V

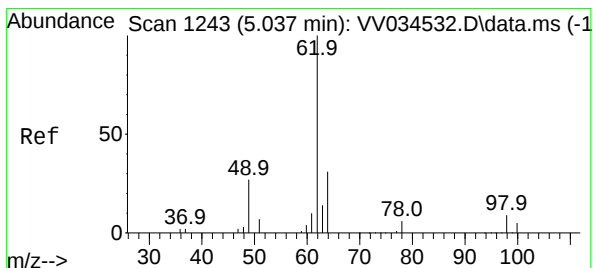
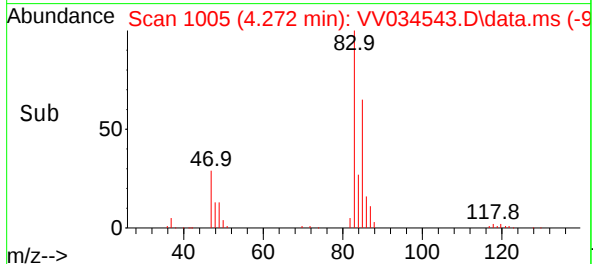
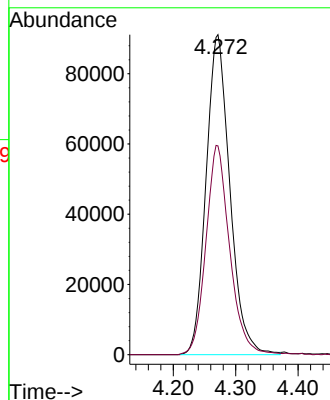
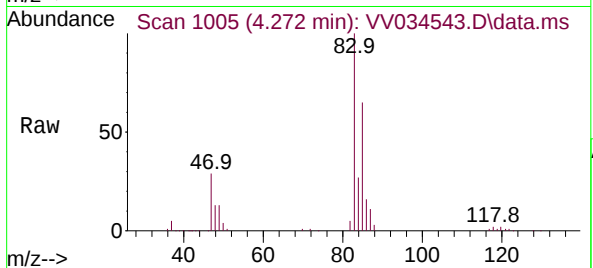
ClientSampleId :

Tgt Ion: 83 Resp: 241466

Ion Ratio Lower Upper

83 100

85 65.2 45.5 84.5



#27

1,2-Dichloroethane

Concen: 55.274 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. -0.003 min

Lab File: VV034543.D

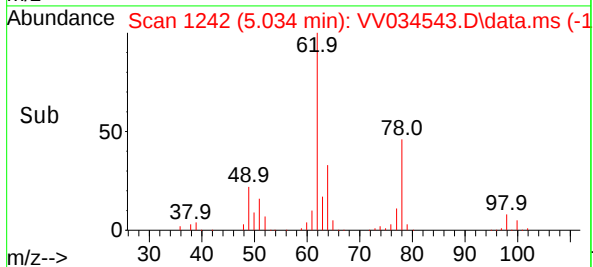
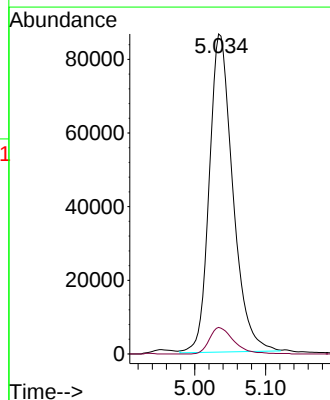
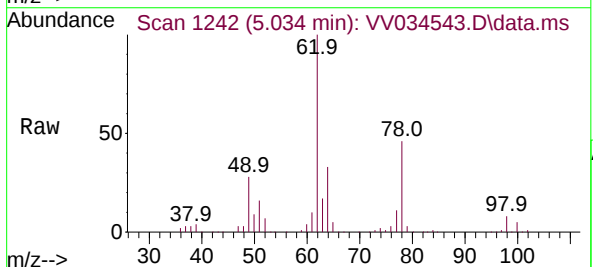
Acq: 11 Mar 2024 15:16

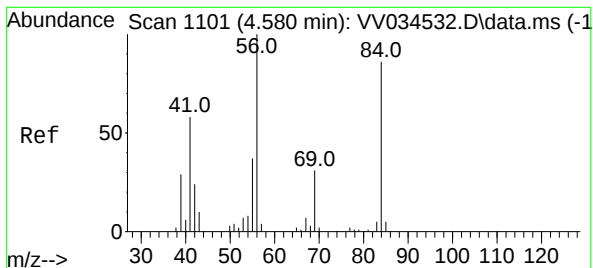
Tgt Ion: 62 Resp: 199579

Ion Ratio Lower Upper

62 100

98 8.3 6.6 10.0





#29

Cyclohexane

Concen: 48.874 ug/L

RT: 4.577 min Scan# 1101

Delta R.T. -0.003 min

Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

Instrument :

MSVOA_V

ClientSampleId :

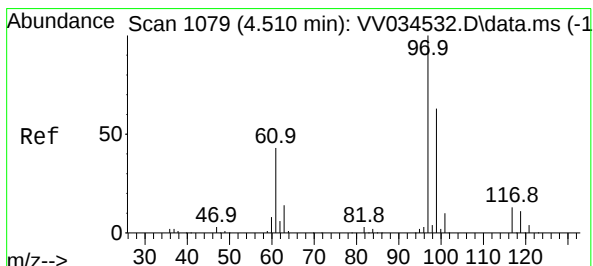
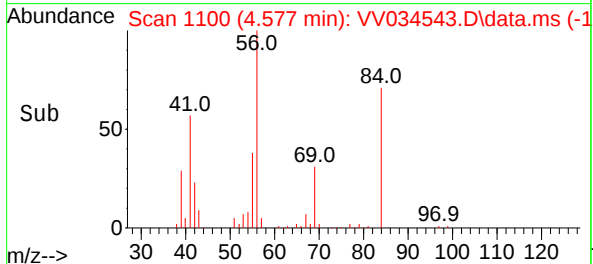
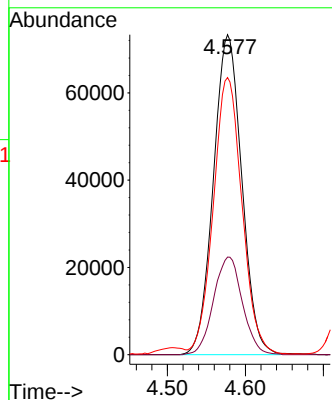
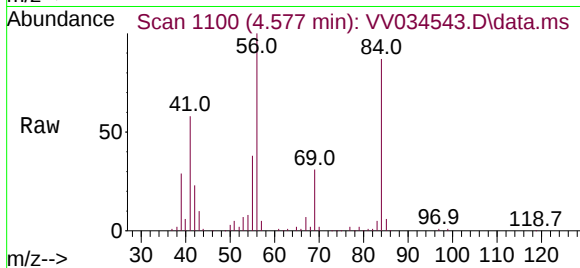
Tgt Ion: 56 Resp: 185793

Ion Ratio Lower Upper

56 100

69 31.0 24.2 36.4

84 86.9 70.5 105.7



#30

1,1,1-Trichloroethane

Concen: 50.808 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. -0.003 min

Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

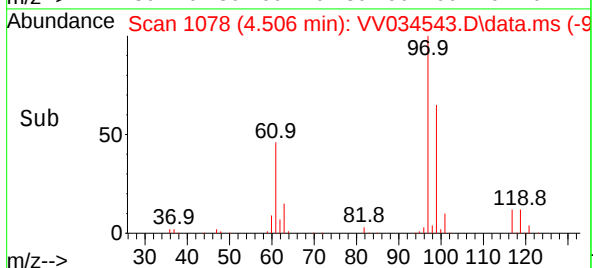
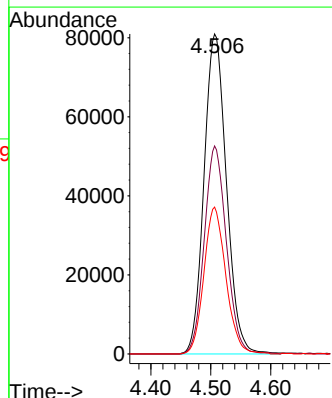
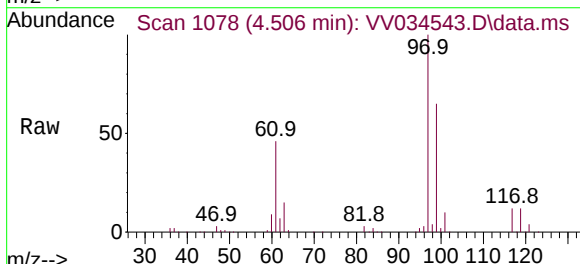
Tgt Ion: 97 Resp: 210567

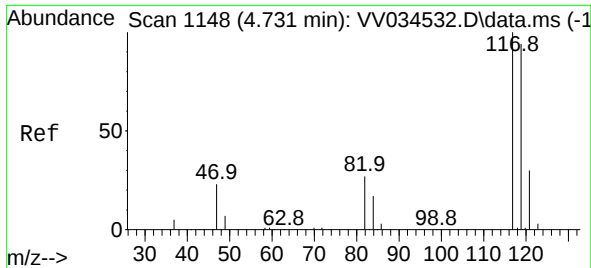
Ion Ratio Lower Upper

97 100

99 64.0 51.3 76.9

61 45.1 36.0 54.0

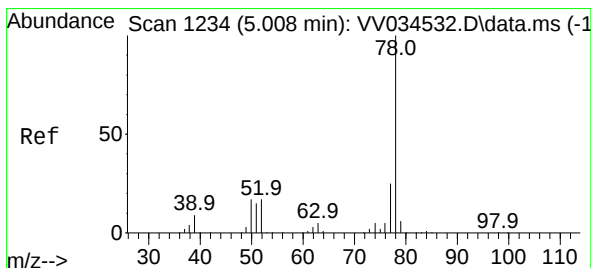
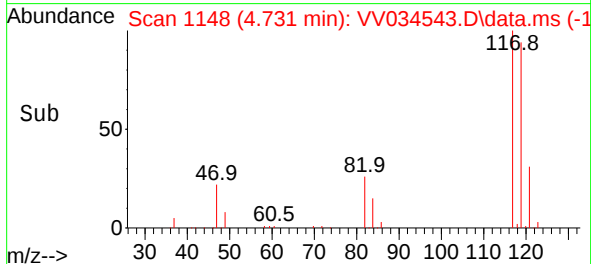
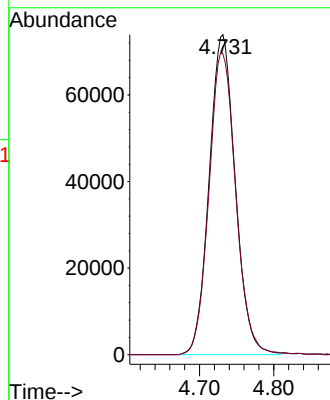
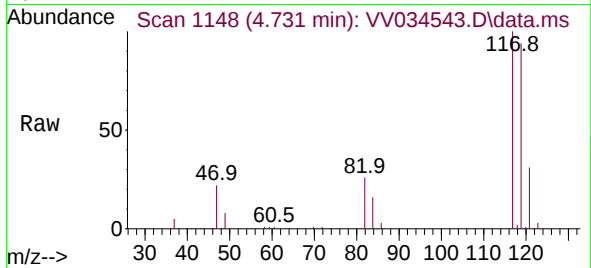




#31
Carbon tetrachloride
Concen: 49.239 ug/L
RT: 4.731 min Scan# 1148
Delta R.T. -0.000 min
Lab File: VV034543.D
Acq: 11 Mar 2024 15:16

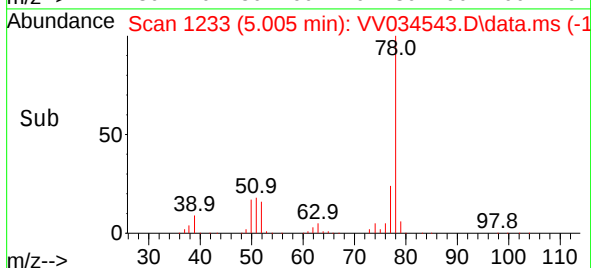
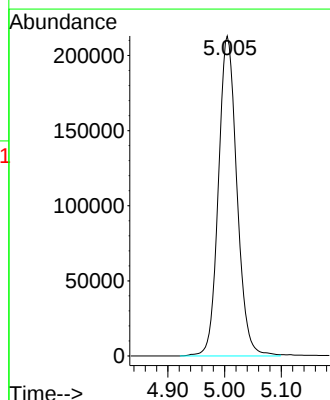
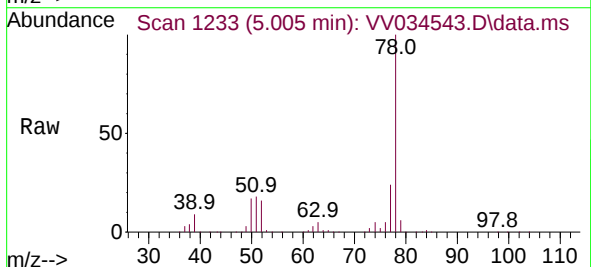
Instrument :
MSVOA_V
ClientSampleId :

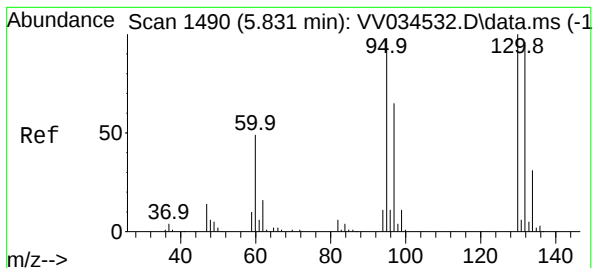
Tgt Ion:117 Resp: 180668
Ion Ratio Lower Upper
117 100
119 96.7 77.5 116.3



#33
Benzene
Concen: 53.785 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. -0.003 min
Lab File: VV034543.D
Acq: 11 Mar 2024 15:16

Tgt Ion: 78 Resp: 482497





#34

Trichloroethene

Concen: 50.778 ug/L

RT: 5.828 min Scan# 1490

Delta R.T. -0.003 min

Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 129484

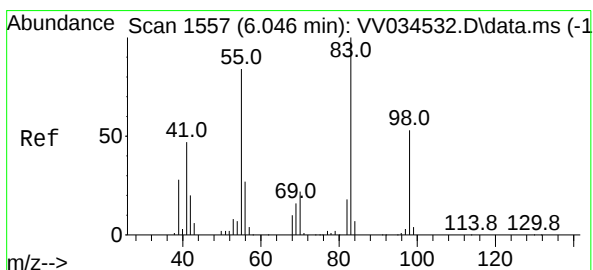
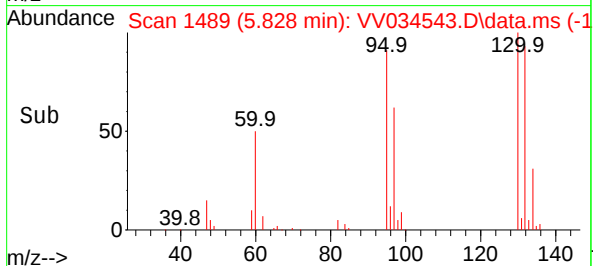
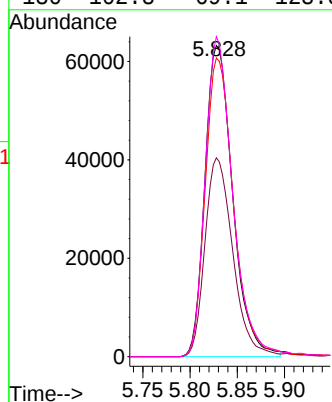
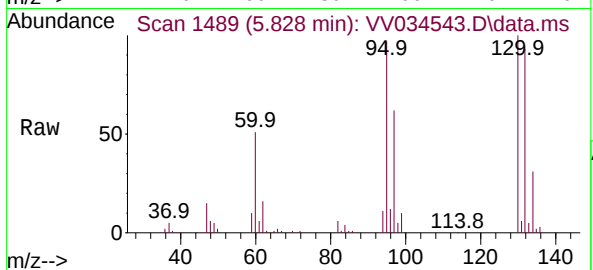
Ion Ratio Lower Upper

95 100

97 63.9 44.7 83.1

132 96.0 65.3 121.3

130 102.8 69.1 128.3



#35

Methylcyclohexane

Concen: 50.058 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. -0.003 min

Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

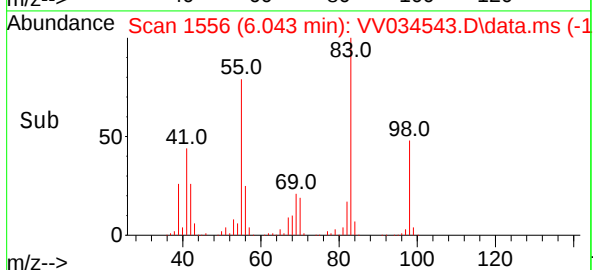
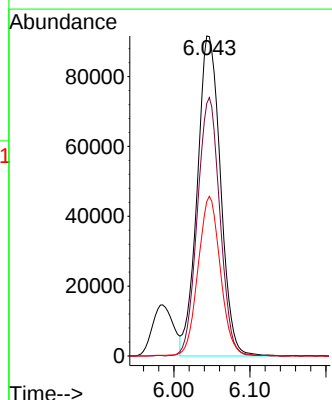
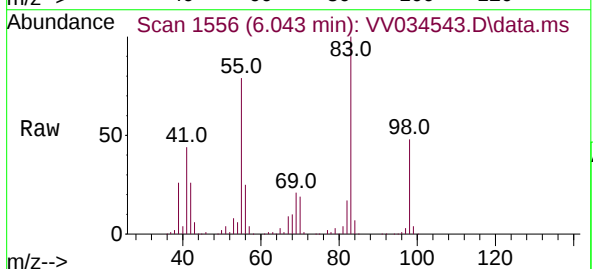
Tgt Ion: 83 Resp: 194059

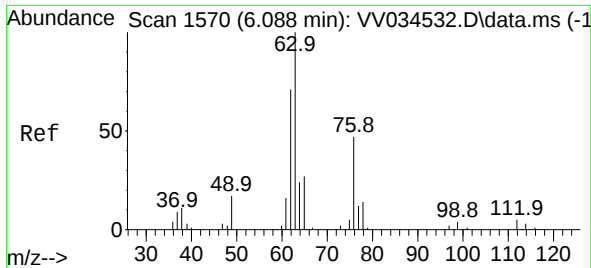
Ion Ratio Lower Upper

83 100

55 78.2 62.6 94.0

98 48.1 39.5 59.3

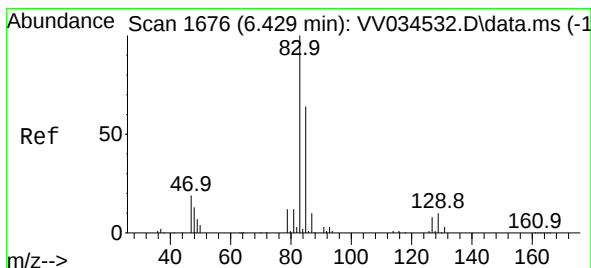
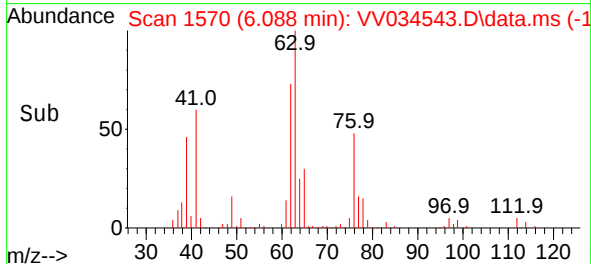
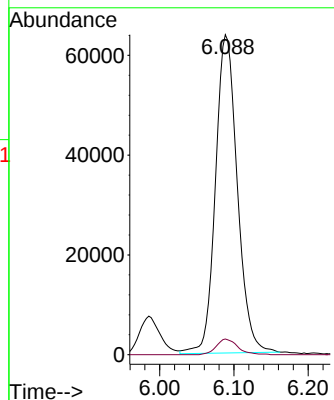
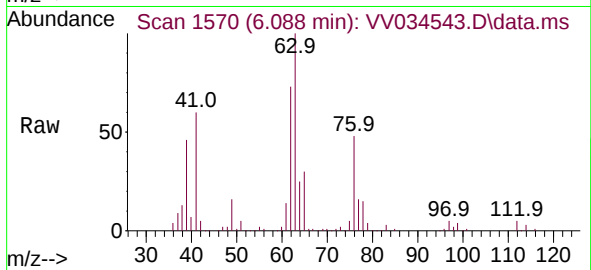




#37
1,2-Dichloropropane
Concen: 55.607 ug/L
RT: 6.088 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV034543.D
Acq: 11 Mar 2024 15:16

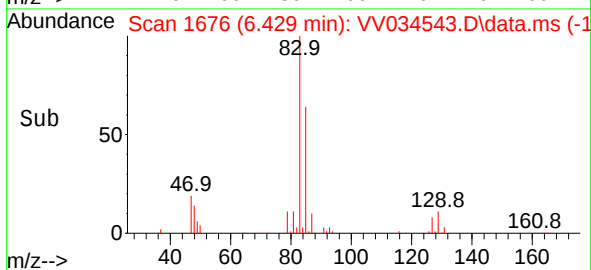
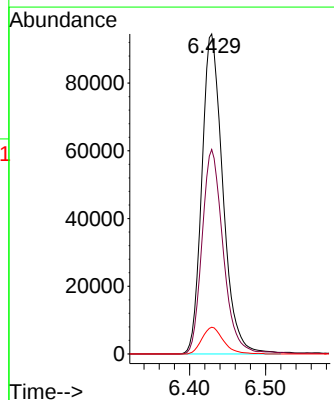
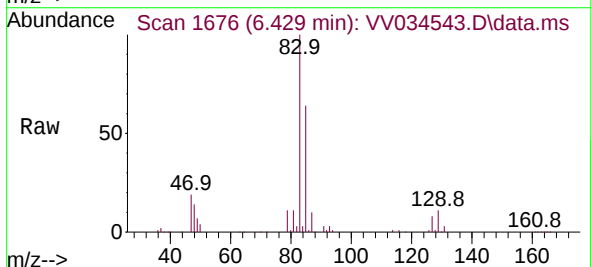
Instrument :
MSVOA_V
ClientSampleId :

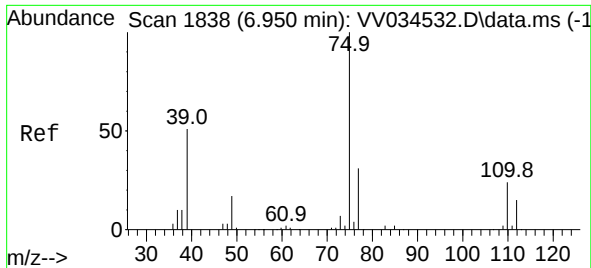
Tgt Ion: 63 Resp: 130602
Ion Ratio Lower Upper
63 100
112 4.8 3.5 5.3



#38
Bromodichloromethane
Concen: 55.032 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VV034543.D
Acq: 11 Mar 2024 15:16

Tgt Ion: 83 Resp: 181807
Ion Ratio Lower Upper
83 100
85 63.9 44.6 82.8
127 8.4 6.9 10.3

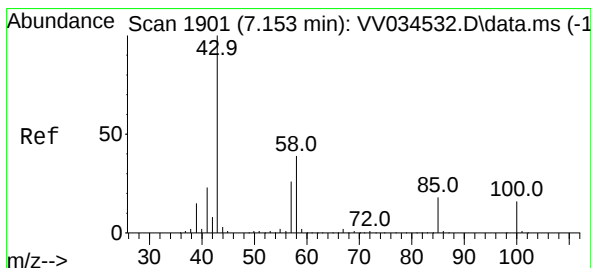
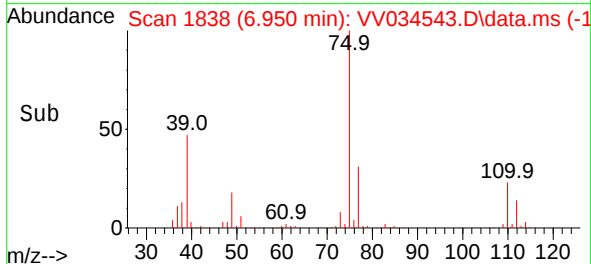
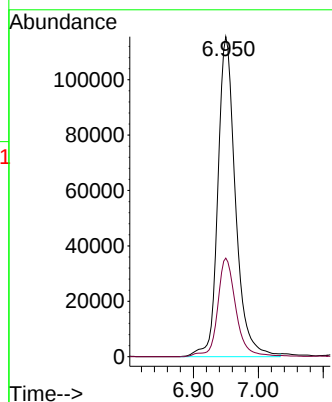
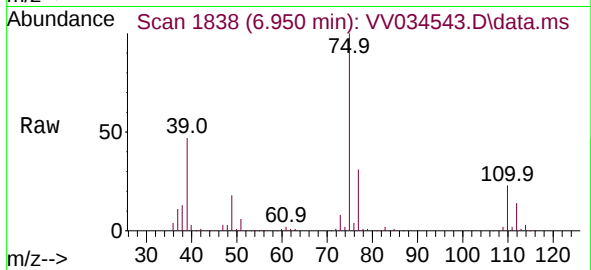




#39
cis-1,3-Dichloropropene
Concen: 56.991 ug/L
RT: 6.950 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV034543.D
Acq: 11 Mar 2024 15:16

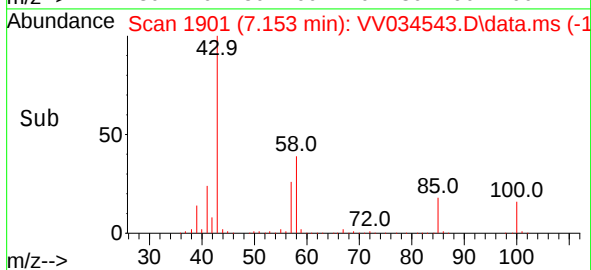
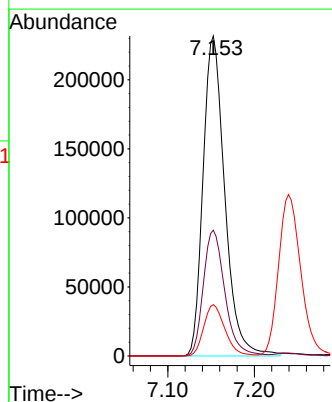
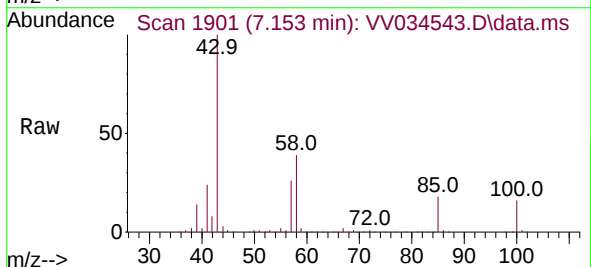
Instrument :
MSVOA_V
ClientSampleId :

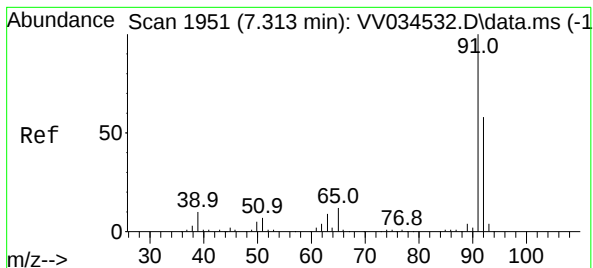
Tgt Ion: 75 Resp: 216867
Ion Ratio Lower Upper
75 100
77 30.8 20.9 38.9



#40
4-Methyl-2-pentanone
Concen: 116.493 ug/L
RT: 7.153 min Scan# 1901
Delta R.T. 0.000 min
Lab File: VV034543.D
Acq: 11 Mar 2024 15:16

Tgt Ion: 43 Resp: 403445
Ion Ratio Lower Upper
43 100
58 39.0 30.6 46.0
100 15.6 12.5 18.7





#42

Toluene

Concen: 52.964 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

Instrument :

MSVOA_V

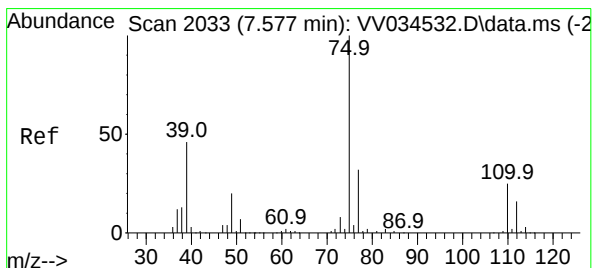
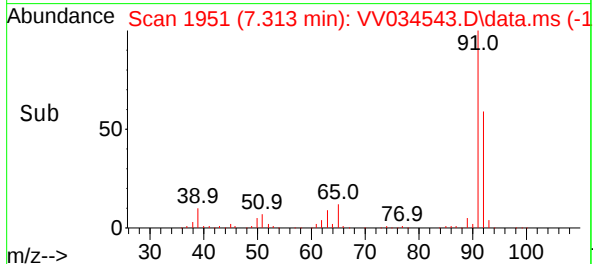
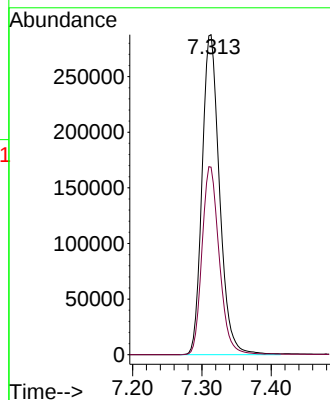
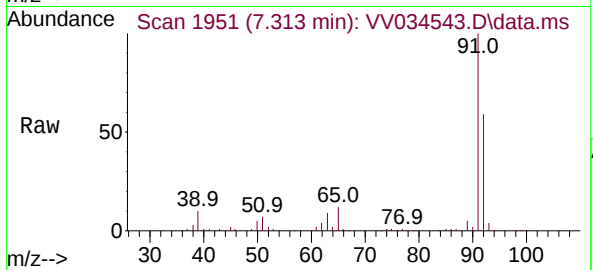
ClientSampleId :

Tgt Ion: 91 Resp: 502861

Ion Ratio Lower Upper

91 100

92 58.6 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 55.936 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV034543.D

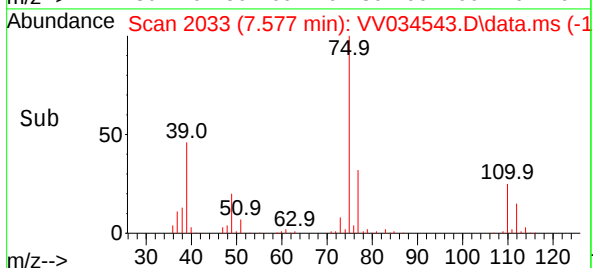
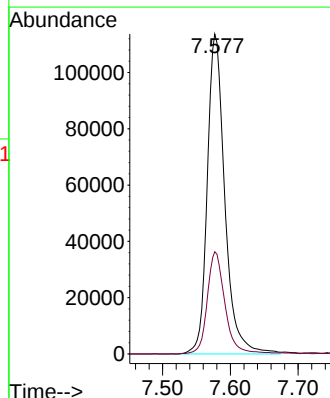
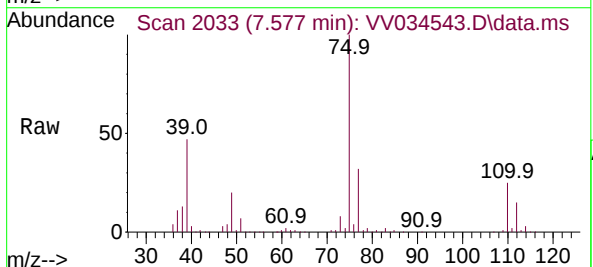
Acq: 11 Mar 2024 15:16

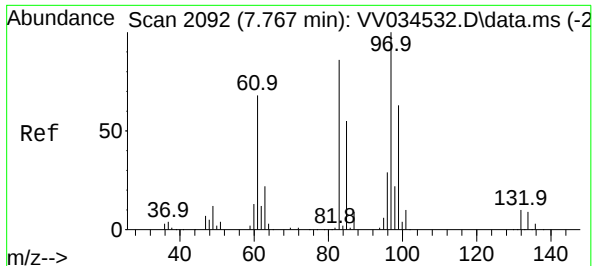
Tgt Ion: 75 Resp: 204714

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.4



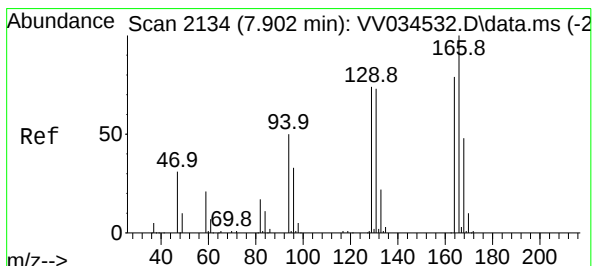
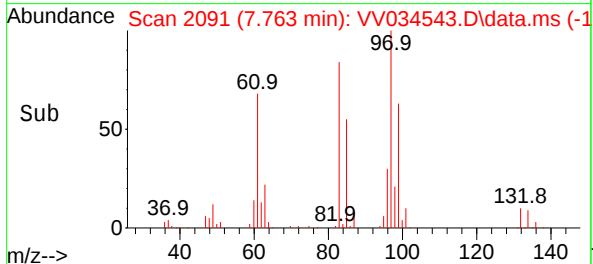
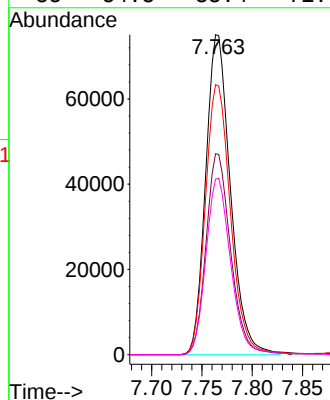
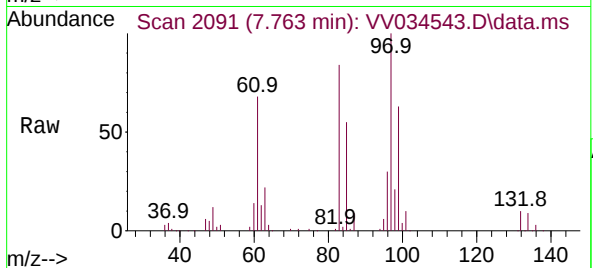


#45
1,1,2-Trichloroethane
Concen: 56.820 ug/L
RT: 7.763 min Scan# 2092
Delta R.T. -0.003 min
Lab File: VV034543.D
Acq: 11 Mar 2024 15:16

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 128762

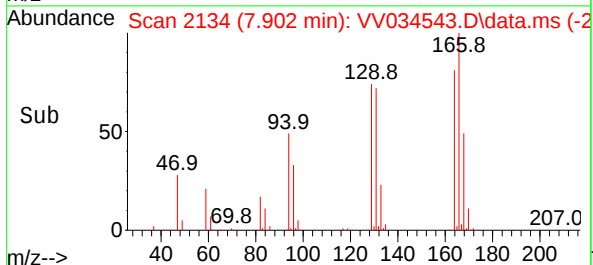
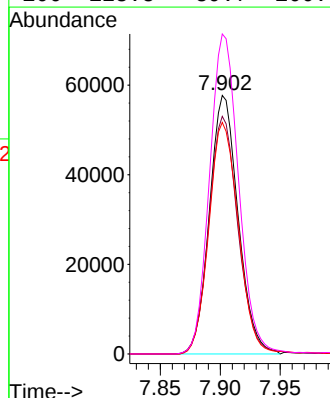
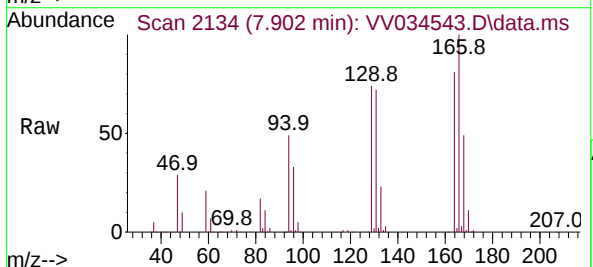
Ion	Ratio	Lower	Upper
97	100		
99	62.8	43.8	81.4
83	84.4	59.4	110.2
85	54.8	38.4	71.4

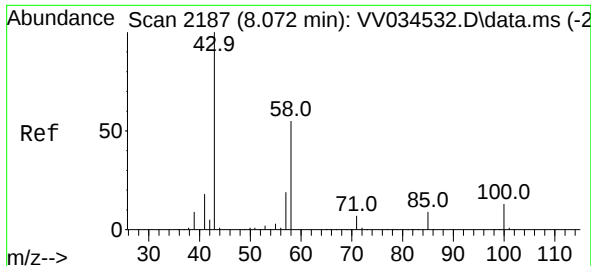


#46
Tetrachloroethene
Concen: 50.642 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.000 min
Lab File: VV034543.D
Acq: 11 Mar 2024 15:16

Tgt Ion: 164 Resp: 96039

Ion	Ratio	Lower	Upper
164	100		
129	91.9	65.7	121.9
131	89.5	62.2	115.6
166	123.8	89.7	166.7





#48

2-Hexanone

Concen: 111.445 ug/L

RT: 8.069 min Scan# 2186

Delta R.T. -0.003 min

Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 307552

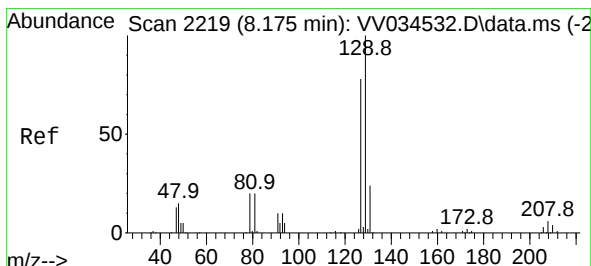
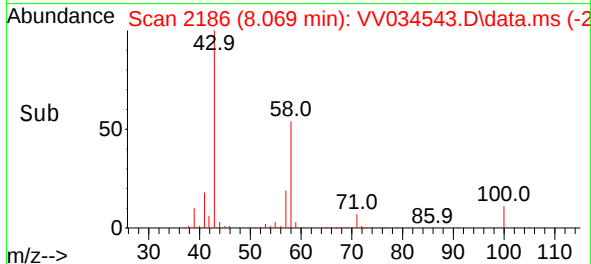
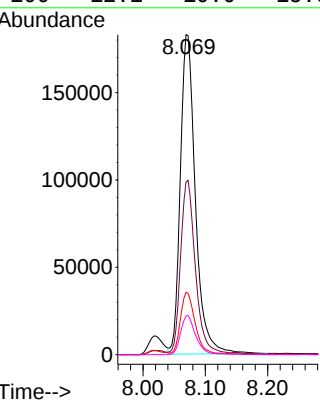
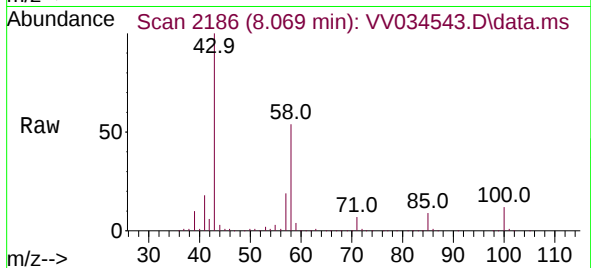
Ion Ratio Lower Upper

43 100

58 52.4 42.0 63.0

57 18.6 15.2 22.8

100 12.1 10.0 15.0



#49

Dibromochloromethane

Concen: 55.347 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. -0.003 min

Lab File: VV034543.D

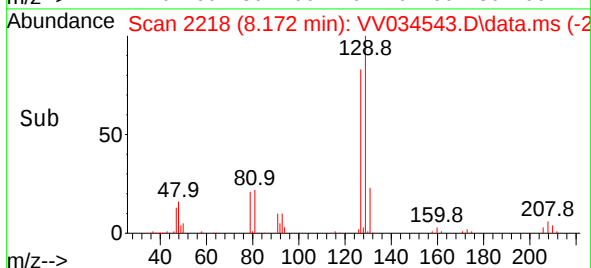
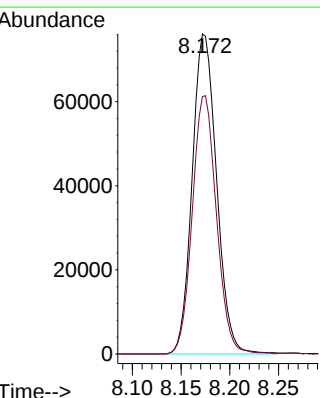
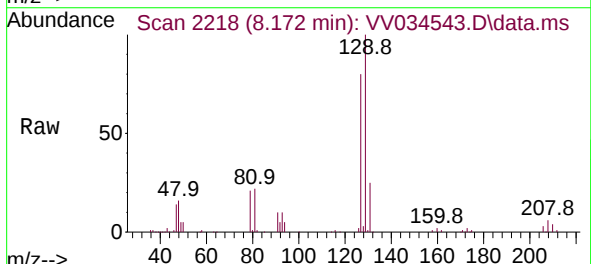
Acq: 11 Mar 2024 15:16

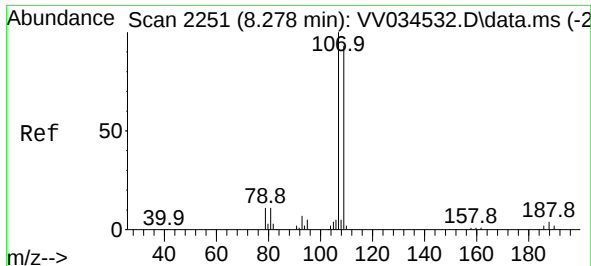
Tgt Ion:129 Resp: 132356

Ion Ratio Lower Upper

129 100

127 80.4 53.3 98.9





#50

1,2-Dibromoethane

Concen: 55.972 ug/L

RT: 8.278 min Scan# 21

Delta R.T. -0.000 min

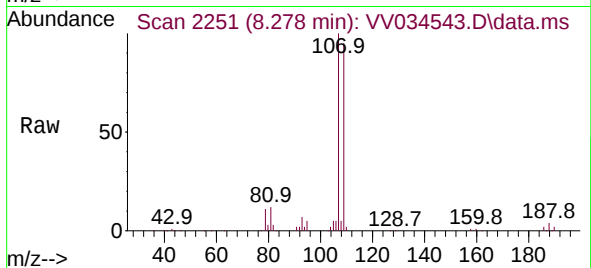
Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

Instrument :

MSVOA_V

ClientSampleId :



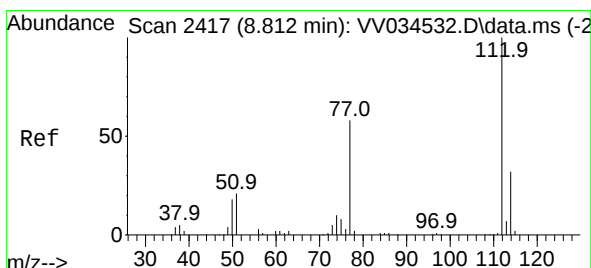
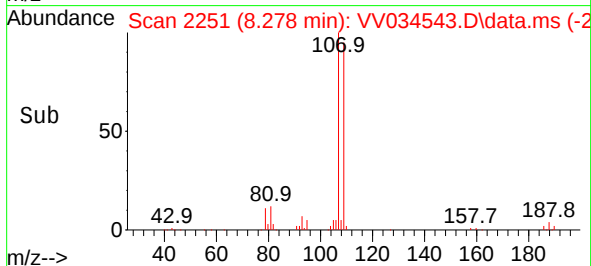
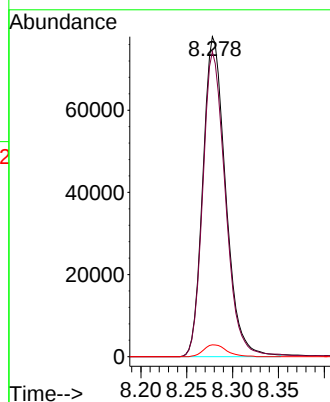
Tgt Ion:107 Resp: 134596

Ion Ratio Lower Upper

107 100

109 95.3 66.5 123.5

188 3.7 3.4 5.2



#51

Chlorobenzene

Concen: 53.323 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.000 min

Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

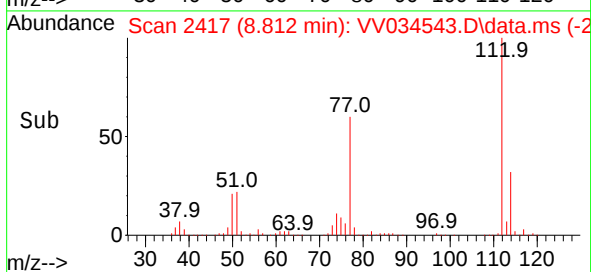
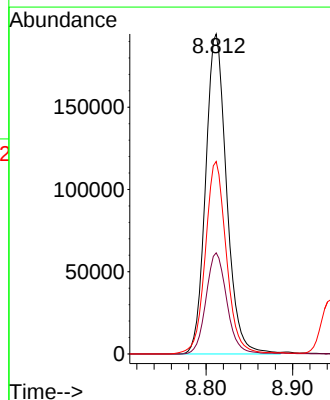
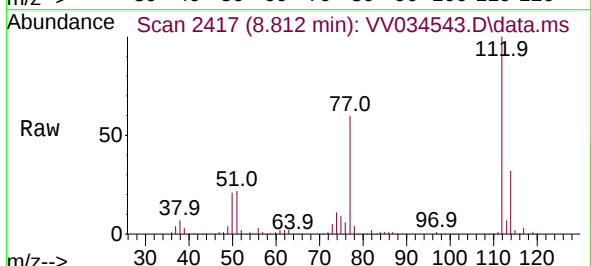
Tgt Ion:112 Resp: 327293

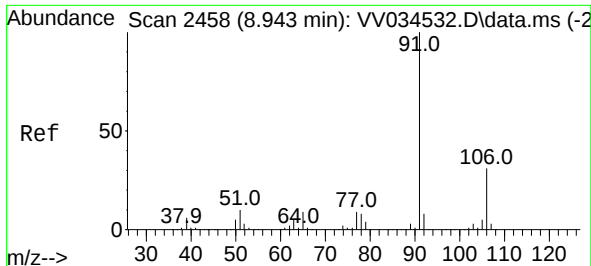
Ion Ratio Lower Upper

112 100

114 31.6 22.3 41.5

77 60.2 47.7 71.5





#52

Ethylbenzene

Concen: 52.548 ug/L

RT: 8.943 min Scan# 2458

Delta R.T. -0.000 min

Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

Instrument :

MSVOA_V

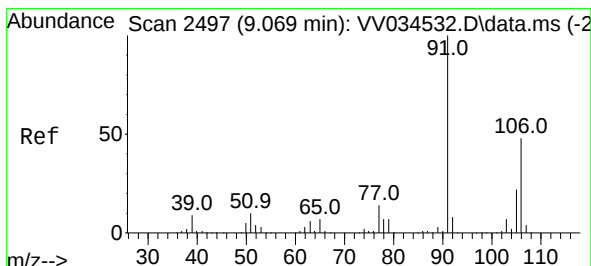
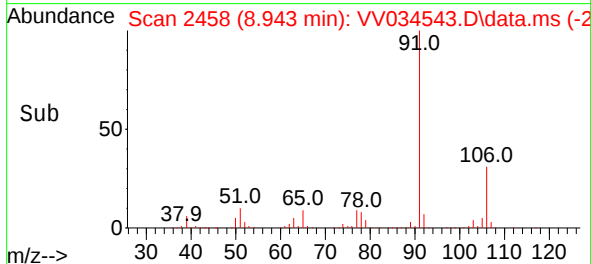
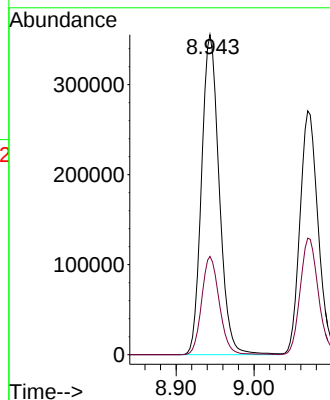
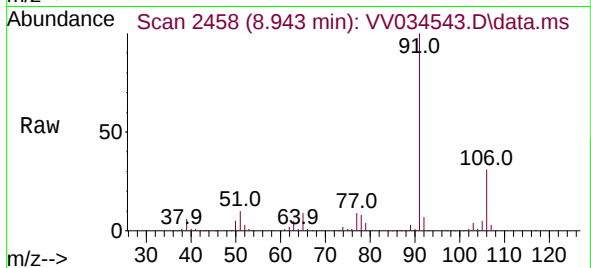
ClientSampleId :

Tgt Ion: 91 Resp: 559026

Ion Ratio Lower Upper

91 100

106 30.7 21.3 39.5



#53

m,p-Xylene

Concen: 51.802 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.000 min

Lab File: VV034543.D

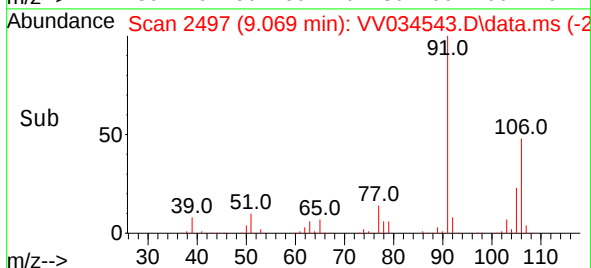
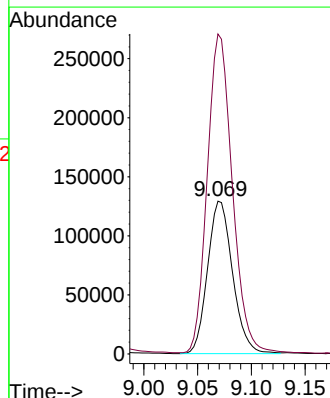
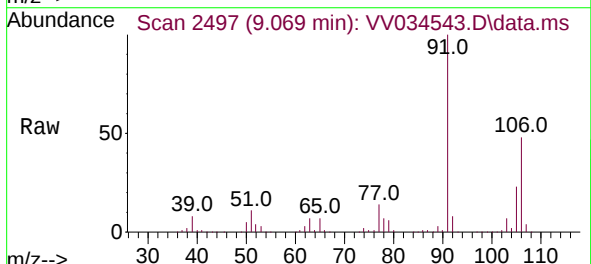
Acq: 11 Mar 2024 15:16

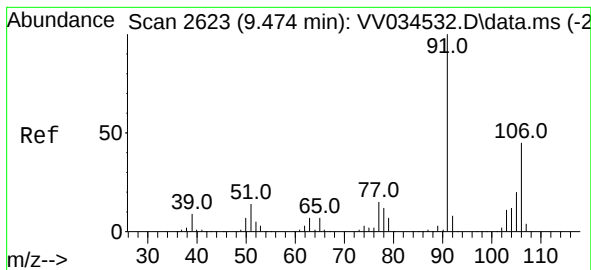
Tgt Ion:106 Resp: 209124

Ion Ratio Lower Upper

106 100

91 209.4 145.3 269.9





#54

o-Xylene

Concen: 53.021 ug/L

RT: 9.477 min Scan# 2623

Delta R.T. 0.003 min

Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

Instrument :

MSVOA_V

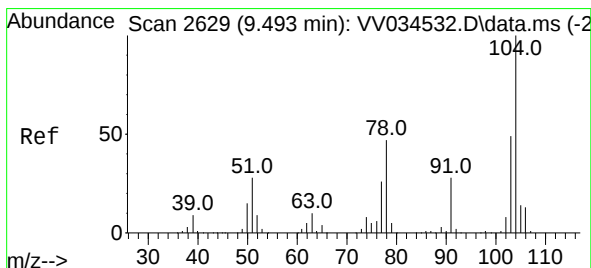
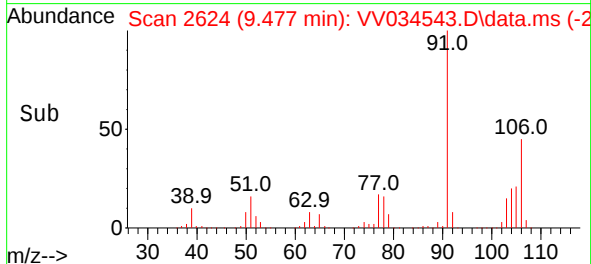
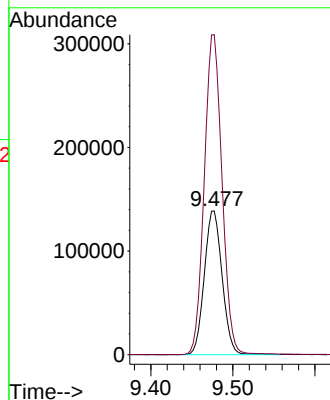
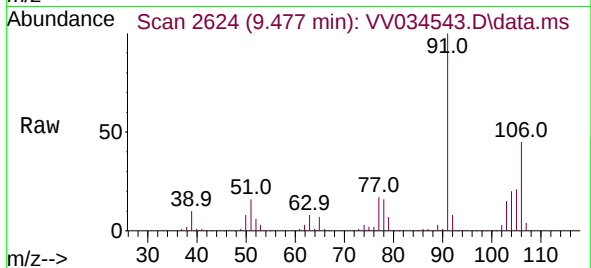
ClientSampleId :

Tgt Ion:106 Resp: 209596

Ion Ratio Lower Upper

106 100

91 222.8 152.2 282.7



#55

Styrene

Concen: 54.389 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. -0.000 min

Lab File: VV034543.D

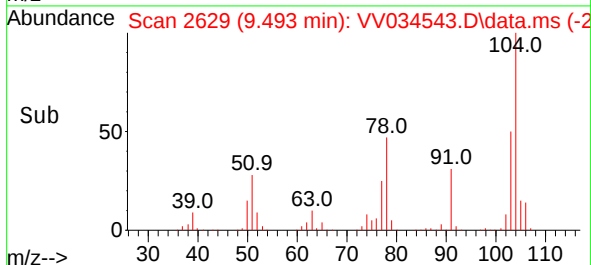
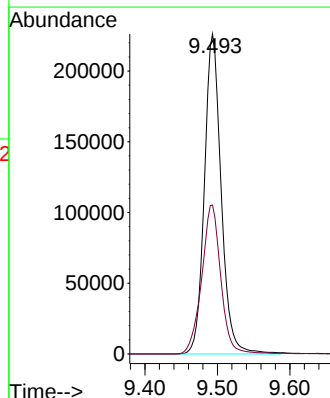
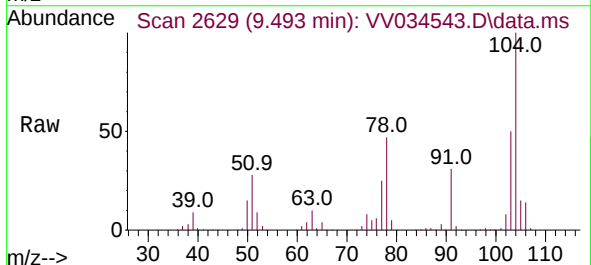
Acq: 11 Mar 2024 15:16

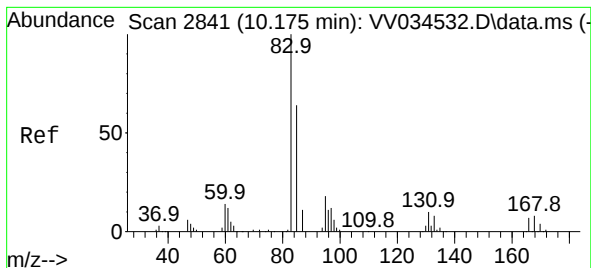
Tgt Ion:104 Resp: 364035

Ion Ratio Lower Upper

104 100

78 46.5 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 56.107 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.000 min

Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

Instrument :

MSVOA_V

ClientSampleId :

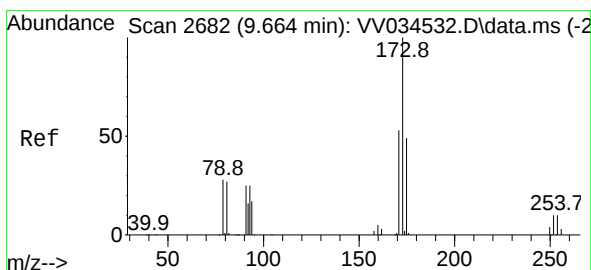
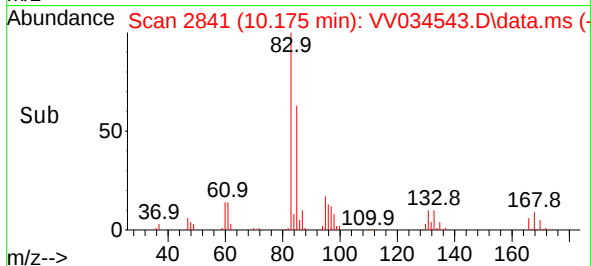
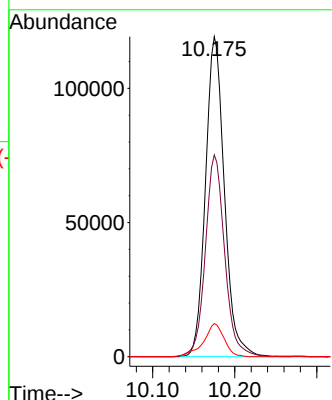
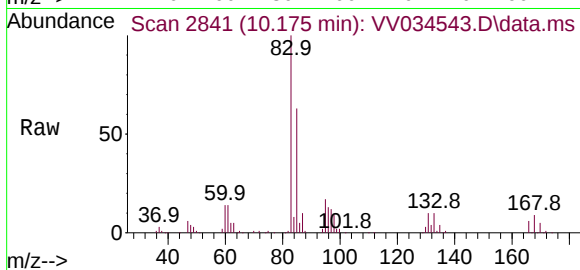
Tgt Ion: 83 Resp: 190971

Ion Ratio Lower Upper

83 100

85 63.1 45.4 84.2

131 10.3 8.3 12.5



#59

Bromoform

Concen: 54.928 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.000 min

Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

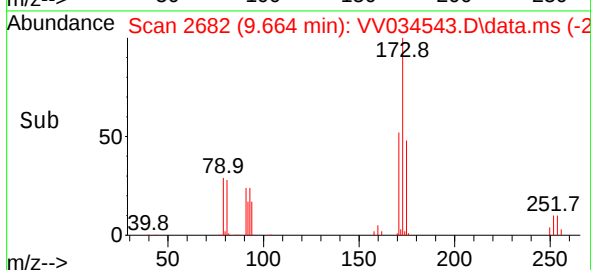
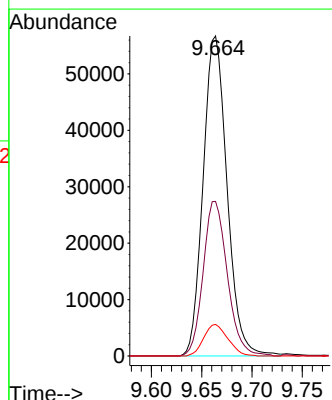
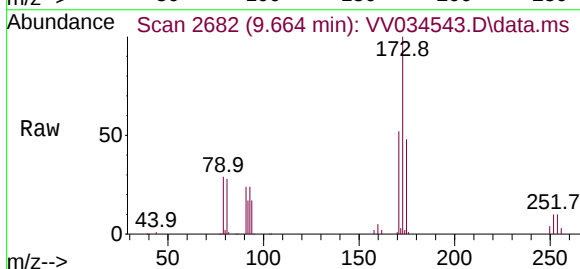
Tgt Ion: 173 Resp: 94004

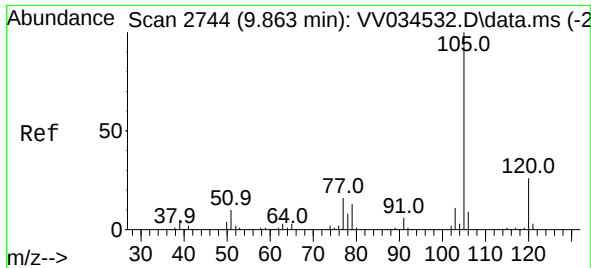
Ion Ratio Lower Upper

173 100

175 48.8 39.1 58.7

254 9.9 7.8 11.8

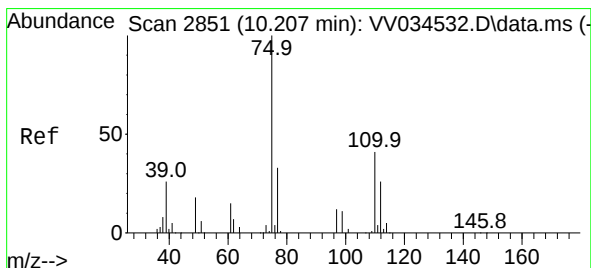
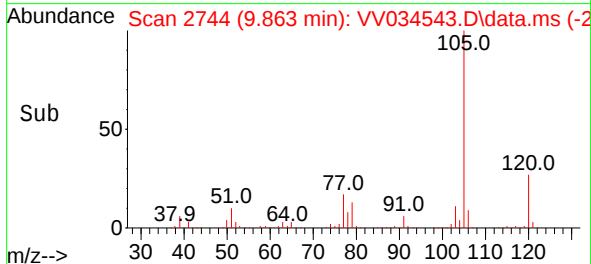
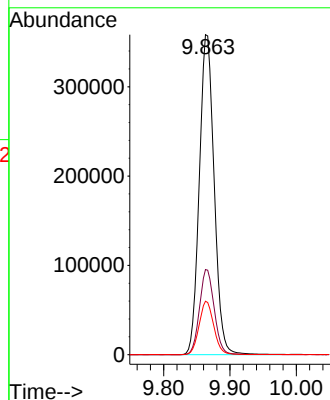
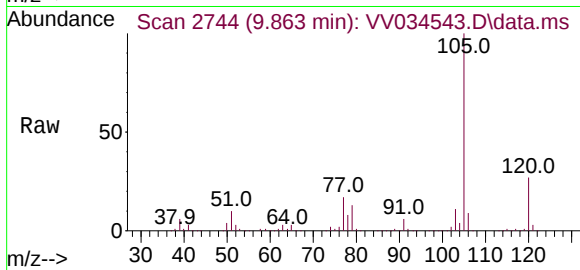




#60
Isopropylbenzene
Concen: 51.040 ug/L
RT: 9.863 min Scan# 2744
Delta R.T. 0.000 min
Lab File: VV034543.D
Acq: 11 Mar 2024 15:16

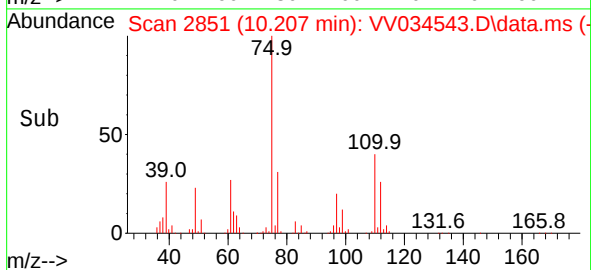
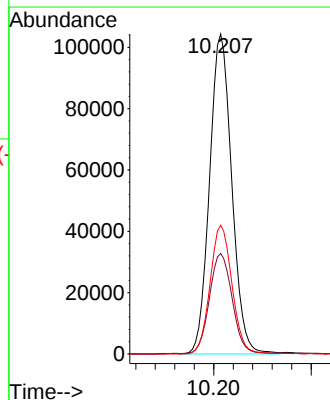
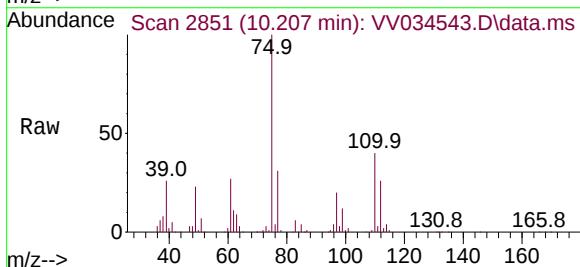
Instrument :
MSVOA_V
ClientSampleId :

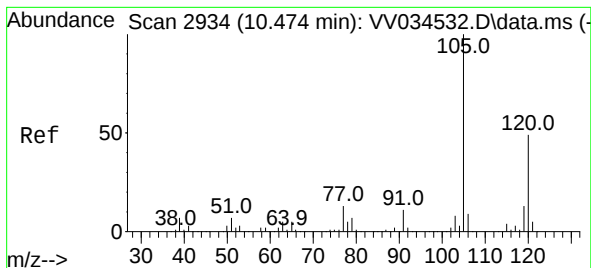
Tgt Ion:105 Resp: 557216
Ion Ratio Lower Upper
105 100
120 26.4 20.8 31.2
77 16.5 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 56.062 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV034543.D
Acq: 11 Mar 2024 15:16

Tgt Ion: 75 Resp: 165191
Ion Ratio Lower Upper
75 100
77 32.0 25.9 38.9
110 39.6 33.1 49.7





#62

1,3,5-Trimethylbenzene

Concen: 51.959 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

Instrument :

MSVOA_V

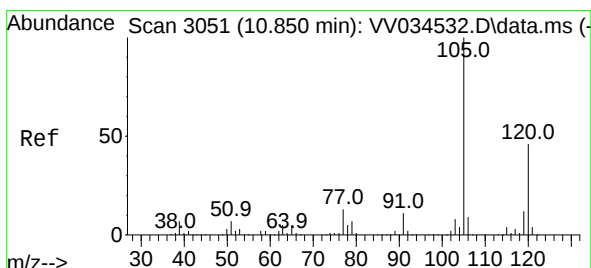
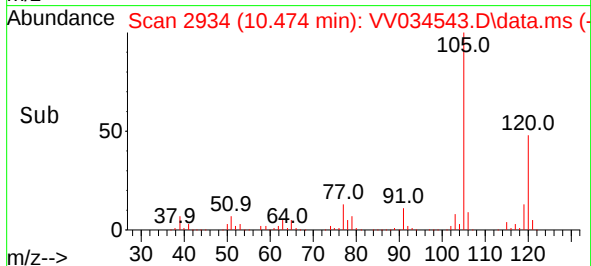
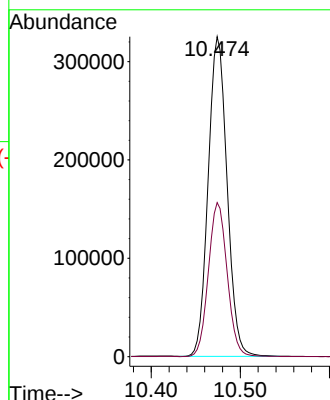
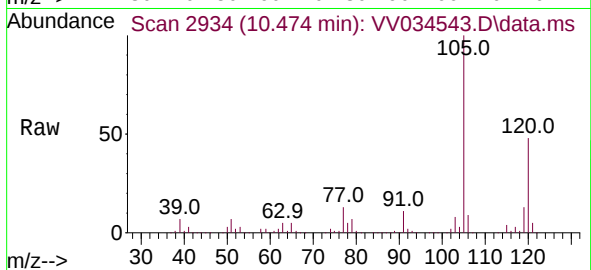
ClientSampleId :

Tgt Ion:105 Resp: 478496

Ion Ratio Lower Upper

105 100

120 48.0 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 53.163 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV034543.D

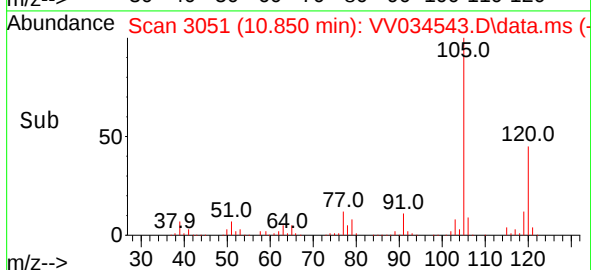
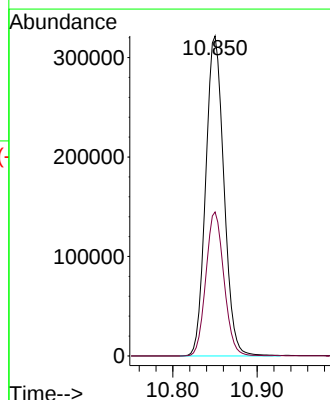
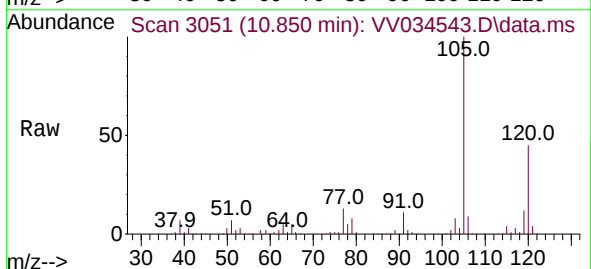
Acq: 11 Mar 2024 15:16

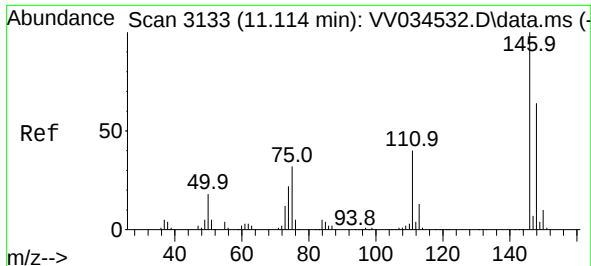
Tgt Ion:105 Resp: 484215

Ion Ratio Lower Upper

105 100

120 44.7 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 52.583 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

Instrument :

MSVOA_V

ClientSampleId :

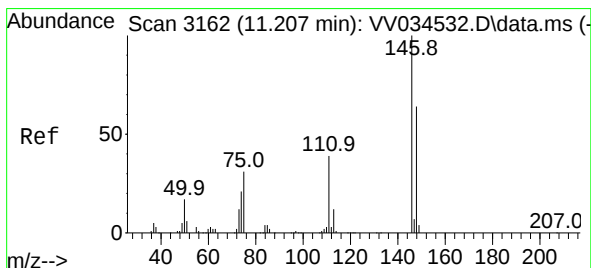
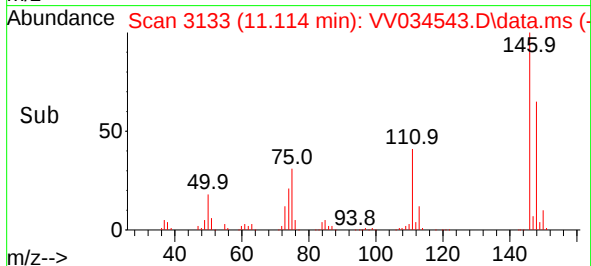
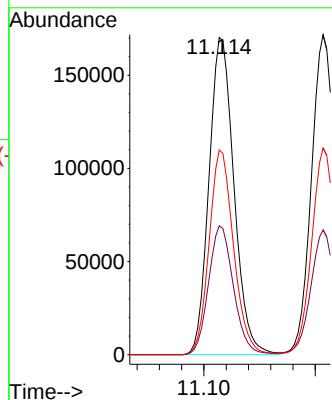
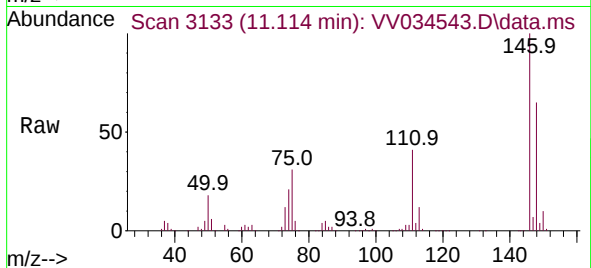
Tgt Ion:146 Resp: 265421

Ion Ratio Lower Upper

146 100

111 40.7 27.9 51.7

148 64.5 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 51.696 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

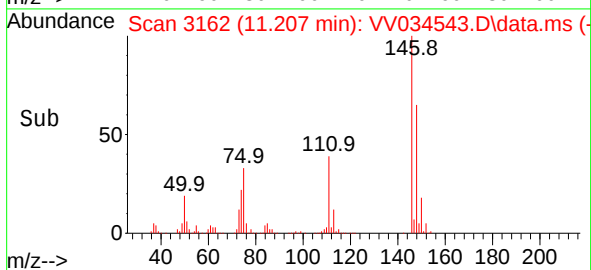
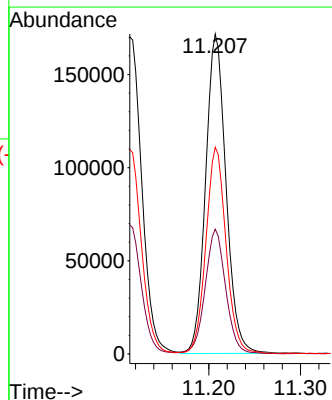
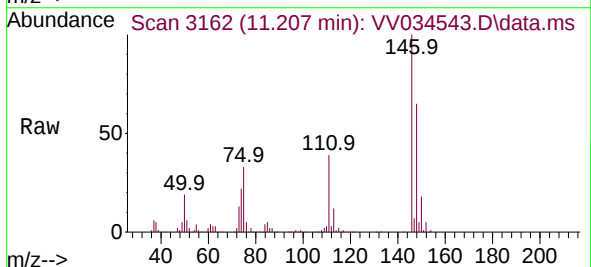
Tgt Ion:146 Resp: 264988

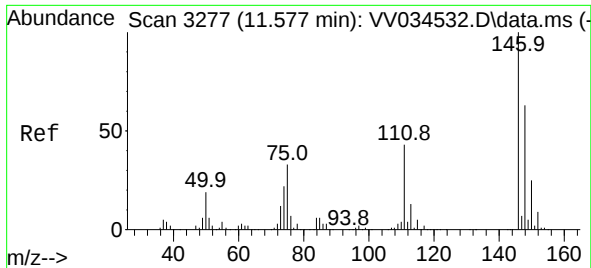
Ion Ratio Lower Upper

146 100

111 39.0 26.5 49.1

148 64.6 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 52.185 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. -0.000 min

Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

Instrument :

MSVOA_V

ClientSampleId :

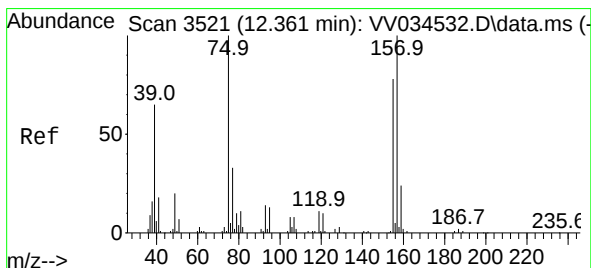
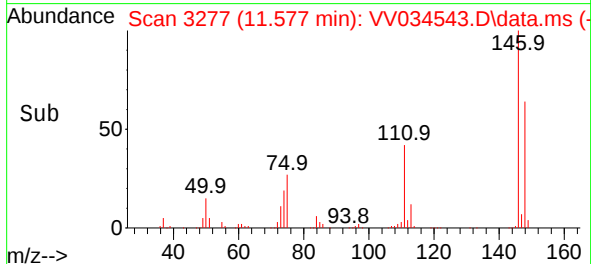
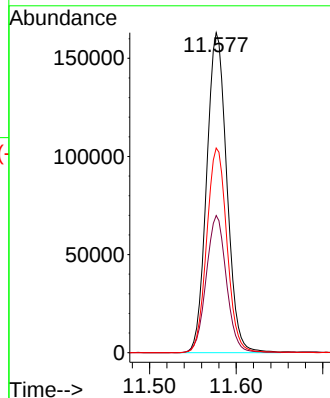
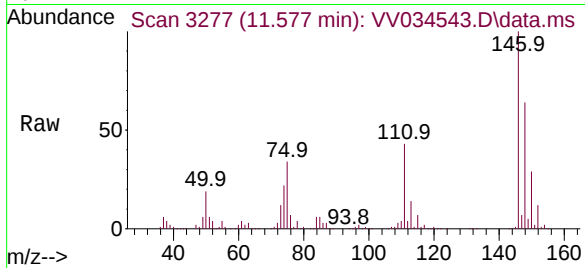
Tgt Ion:146 Resp: 263951

Ion Ratio Lower Upper

146 100

111 42.8 33.8 50.8

148 64.0 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 54.000 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

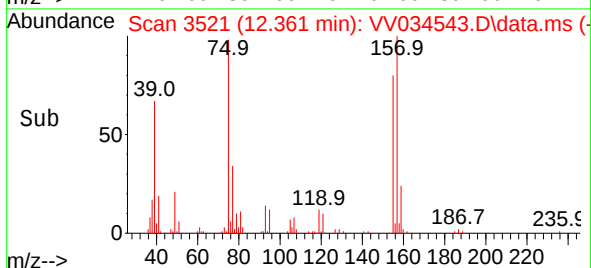
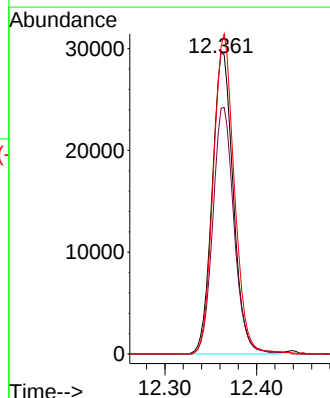
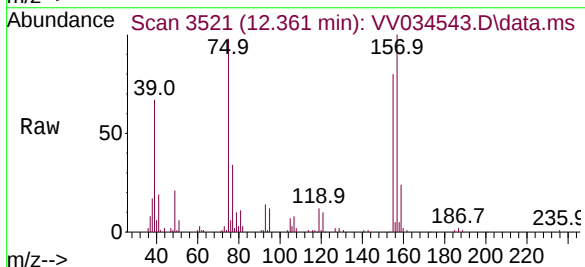
Tgt Ion: 75 Resp: 47398

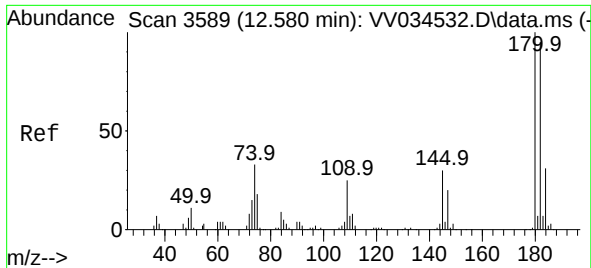
Ion Ratio Lower Upper

75 100

155 81.4 63.3 94.9

157 101.8 81.4 122.0





#69

1,3,5-Trichlorobenzene

Concen: 49.367 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

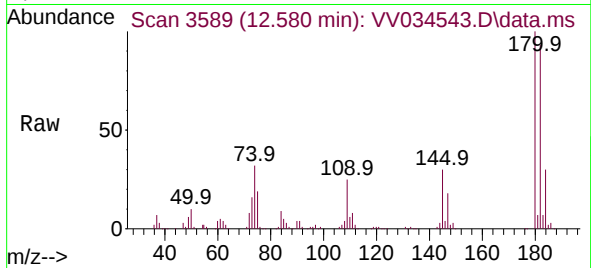
Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 186939

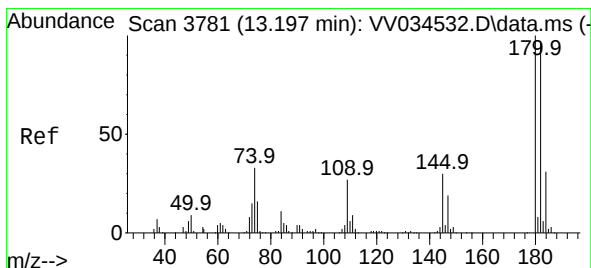
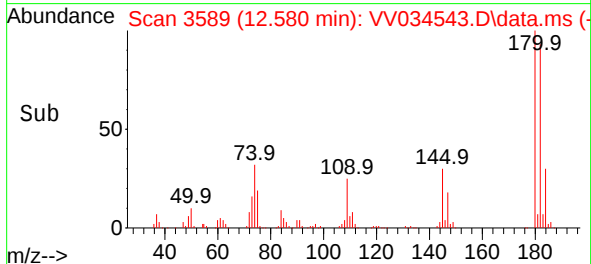
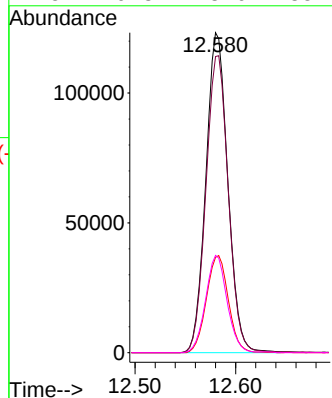
Ion Ratio Lower Upper

180 100

182 94.7 74.6 112.0

184 30.3 23.6 35.4

145 29.8 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 49.886 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. -0.000 min

Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

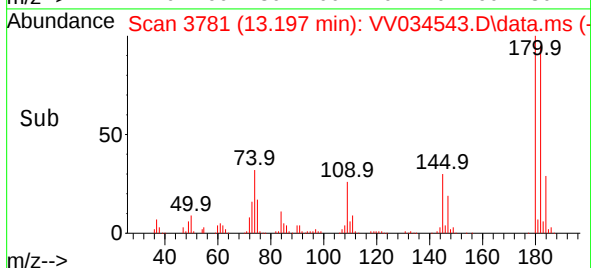
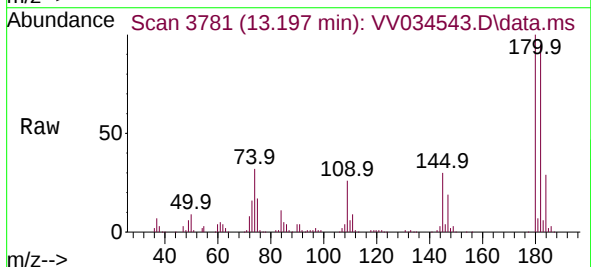
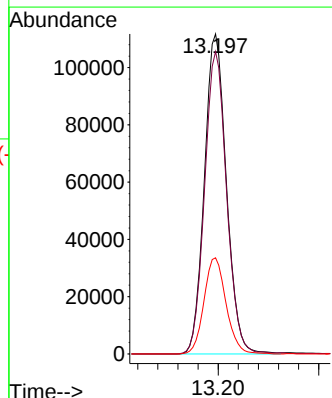
Tgt Ion:180 Resp: 169978

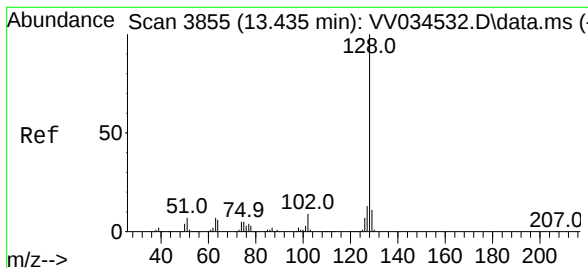
Ion Ratio Lower Upper

180 100

182 94.1 74.8 112.2

145 30.1 24.2 36.4





#71

Naphthalene

Concen: 50.828 ug/L

RT: 13.438 min Scan# 3855

Delta R.T. 0.003 min

Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

Instrument :

MSVOA_V

ClientSampleId :

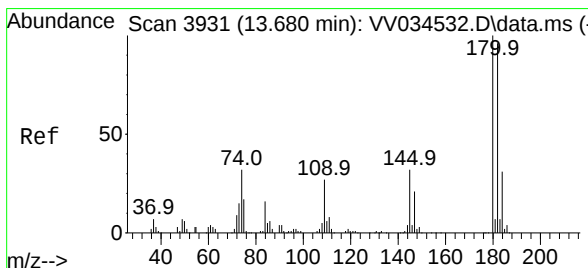
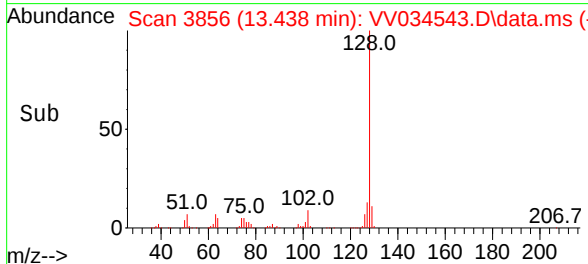
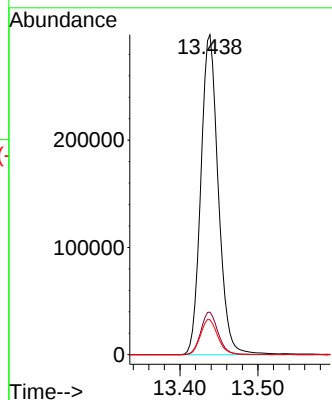
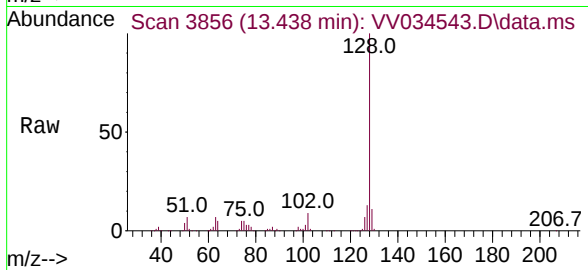
Tgt Ion:128 Resp: 463266

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 50.773 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV034543.D

Acq: 11 Mar 2024 15:16

Tgt Ion:180 Resp: 168768

Ion Ratio Lower Upper

180 100

182 95.4 75.9 113.9

145 32.6 25.5 38.3

