

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV032624\
 Data File : VV034847.D
 Acq On : 26 Mar 2024 23:03
 Operator : SY/MD
 Sample : P1852-09MS
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 27 01:40:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 27 01:34:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	358062	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	350594	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	181572	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.278	65	153801	44.477	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.960%
7) Chloroethane-d5	1.529	69	137668	45.836	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.680%
11) 1,1-Dichloroethene-d2	2.059	65	66647	43.968	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.940%
21) 2-Butanone-d5	3.786	46	193994	94.591	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.590%
24) Chloroform-d	4.249	84	267877	46.074	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.140%
26) 1,2-Dichloroethane-d4	4.940	65	169847	46.013	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.020%
32) Benzene-d6	4.960	84	534547	45.391	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.780%
36) 1,2-Dichloropropane-d6	5.989	67	168411	45.034	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.060%
41) Toluene-d8	7.243	98	480439	45.299	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.600%
43) trans-1,3-Dichloroprop...	7.551	79	82028	45.120	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.240%
47) 2-Hexanone-d5	8.024	63	137833	97.484	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.480%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	243186	47.223	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.440%
66) 1,2-Dichlorobenzene-d4	11.557	152	184167	45.176	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.360%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.108	85	121942	46.989	ug/L	99
3) Chloromethane	1.214	50	149051	44.676	ug/L	99
5) Vinyl chloride	1.285	62	162803	46.548	ug/L	100
6) Bromomethane	1.487	94	128928	49.177	ug/L	99
8) Chloroethane	1.548	64	111756	46.785	ug/L	99
9) Trichlorofluoromethane	1.712	101	221045	48.152	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	130950	46.606	ug/L	99
12) 1,1-Dichloroethene	2.069	96	128575	47.846	ug/L	93
13) Acetone	2.114	43	135472	71.950	ug/L	98
14) Carbon disulfide	2.243	76	347902	45.973	ug/L	100
15) Methyl Acetate	2.371	43	134468	45.320	ug/L	98
16) Methylene chloride	2.445	84	136894	47.014	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	123351	47.478	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	431198	47.251	ug/L	99
19) 1,1-Dichloroethane	3.111	63	252592	47.410	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	140277	47.547	ug/L	97
22) 2-Butanone	3.866	43	184478	84.435	ug/L	99
23) Bromochloromethane	4.143	128	70620	47.843	ug/L	96
25) Chloroform	4.275	83	250798	47.612	ug/L	100

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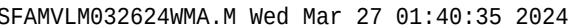
Instrument :
 MSVOA_V
 ClientSampleId :

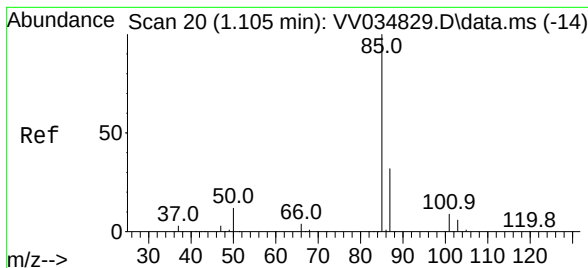
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	200060	47.702	ug/L	99
29) Cyclohexane	4.583	56	201274	45.836	ug/L	98
30) 1,1,1-Trichloroethane	4.513	97	213891	46.803	ug/L	99
31) Carbon tetrachloride	4.735	117	181643	46.894	ug/L	100
33) Benzene	5.011	78	535713	46.859	ug/L	100
34) Trichloroethene	5.831	95	139282	45.143	ug/L	99
35) Methylcyclohexane	6.050	83	207202	44.468	ug/L	98
37) 1,2-Dichloropropane	6.091	63	146975	46.520	ug/L	100
38) Bromodichloromethane	6.432	83	188112	46.147	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	230486	46.310	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	385288	95.516	ug/L	99
42) Toluene	7.313	91	563810	47.106	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	213555	46.705	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	141746	47.600	ug/L	99
46) Tetrachloroethene	7.905	164	99808	46.303	ug/L	99
48) 2-Hexanone	8.072	43	311880	90.907	ug/L	97
49) Dibromochloromethane	8.175	129	138251	46.875	ug/L	97
50) 1,2-Dibromoethane	8.281	107	150255	46.867	ug/L	96
51) Chlorobenzene	8.812	112	367885	47.424	ug/L	99
52) Ethylbenzene	8.943	91	626770	47.250	ug/L	100
53) m,p-Xylene	9.072	106	235941	48.299	ug/L	97
54) o-Xylene	9.477	106	229085	47.396	ug/L	100
55) Styrene	9.493	104	394319	48.276	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	238352	49.402	ug/L	99
59) Bromoform	9.664	173	96125	46.197	ug/L	100
60) Isopropylbenzene	9.866	105	616426	47.092	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	181488	46.127	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	403486	47.462	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	497975	47.378	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	277750	45.405	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	283901	45.638	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	280732	46.069	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.361	75	50563	46.646	ug/L	99
69) 1,3,5-Trichlorobenzene	12.580	180	192399	43.641	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	179665	44.366	ug/L	100
71) Naphthalene	13.435	128	490621	43.668	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	185387	46.442	ug/L	100

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

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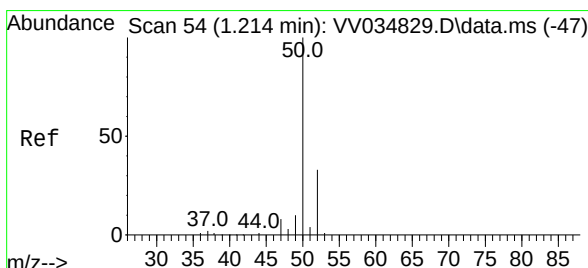
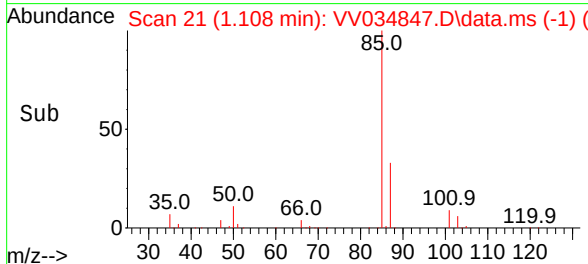
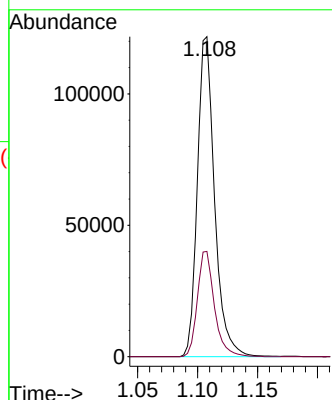
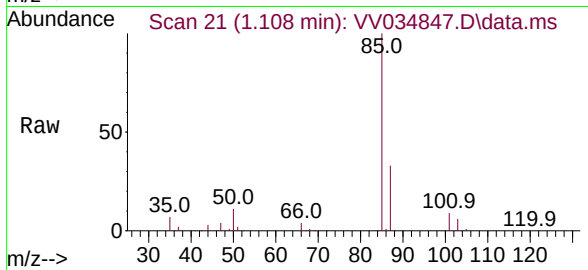




#2
Dichlorodifluoromethane
Concen: 46.989 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV034847.D
Acq: 26 Mar 2024 23:03

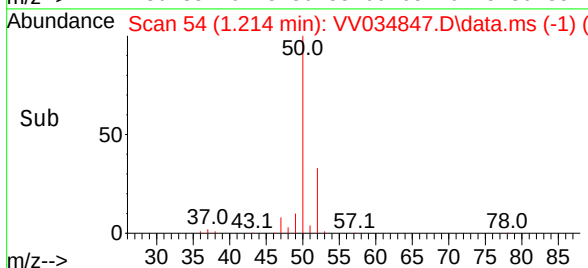
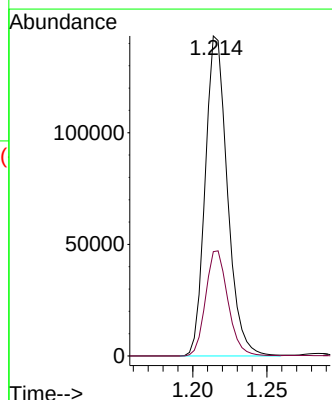
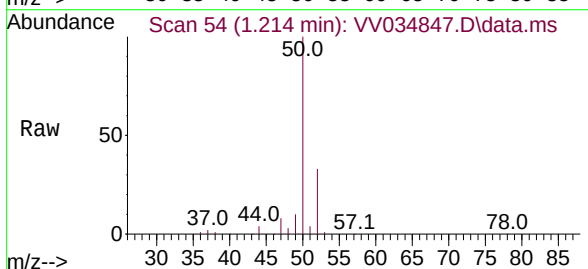
Instrument :
MSVOA_V
ClientSampleId :

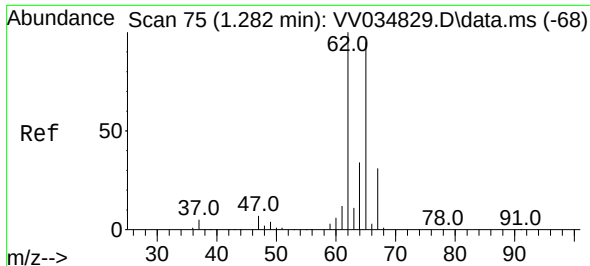
Tgt Ion: 85 Resp: 121942
Ion Ratio Lower Upper
85 100
87 32.5 25.7 38.5



#3
Chloromethane
Concen: 44.676 ug/L
RT: 1.214 min Scan# 54
Delta R.T. -0.000 min
Lab File: VV034847.D
Acq: 26 Mar 2024 23:03

Tgt Ion: 50 Resp: 149051
Ion Ratio Lower Upper
50 100
52 32.6 23.0 42.8

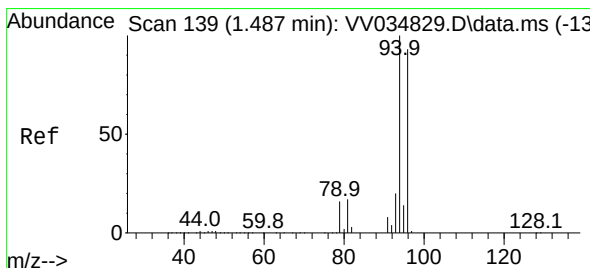
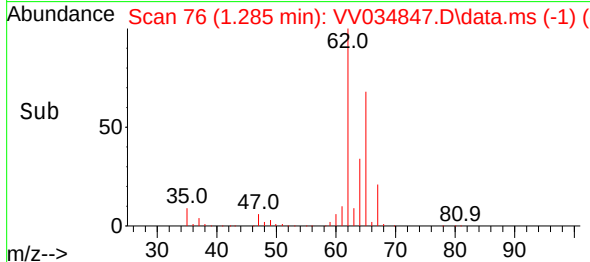
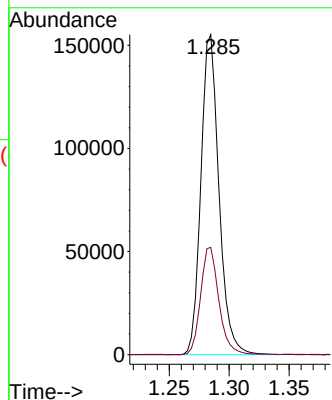
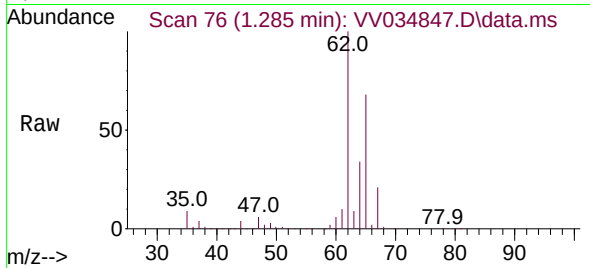




#5
 Vinyl chloride
 Concen: 46.548 ug/L
 RT: 1.285 min Scan# 75
 Delta R.T. 0.003 min
 Lab File: VV034847.D
 Acq: 26 Mar 2024 23:03

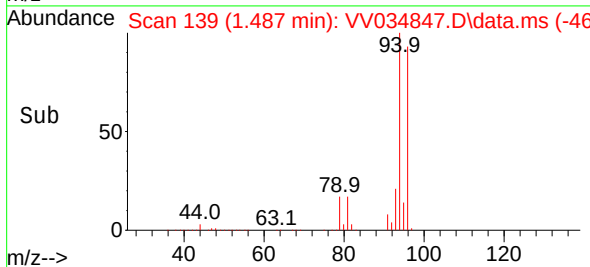
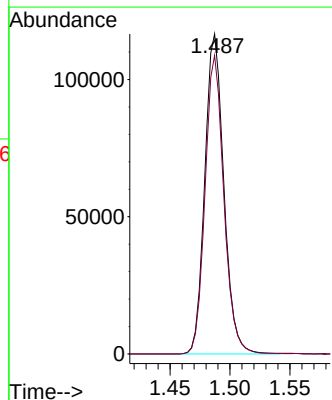
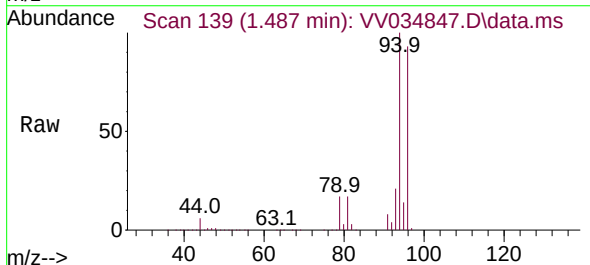
Instrument :
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 ClientSampleId :

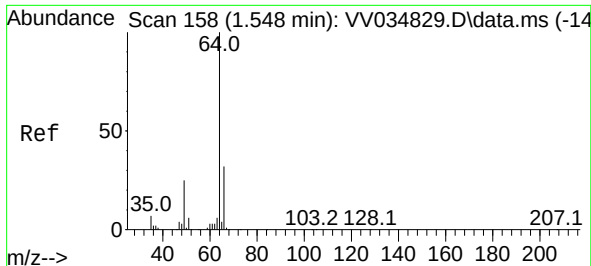
Tgt Ion: 62 Resp: 162803
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.6 43.8



#6
 Bromomethane
 Concen: 49.177 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.000 min
 Lab File: VV034847.D
 Acq: 26 Mar 2024 23:03

Tgt Ion: 94 Resp: 128928
 Ion Ratio Lower Upper
 94 100
 96 93.3 66.3 123.1

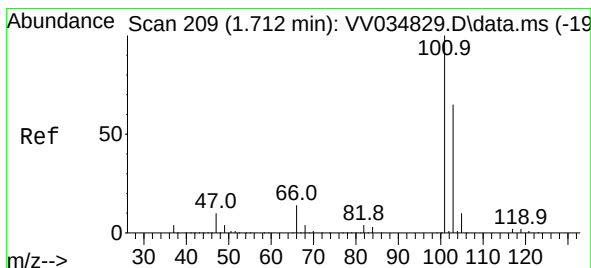
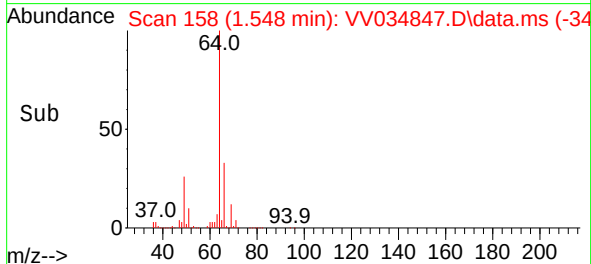
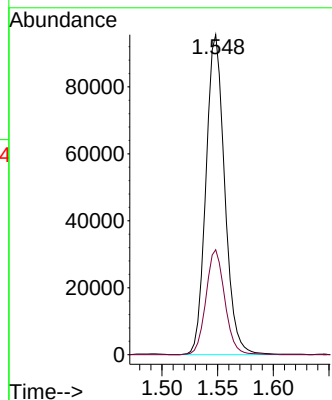
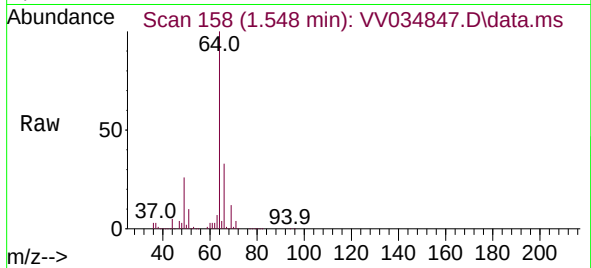




#8
Chloroethane
Concen: 46.785 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV034847.D
Acq: 26 Mar 2024 23:03

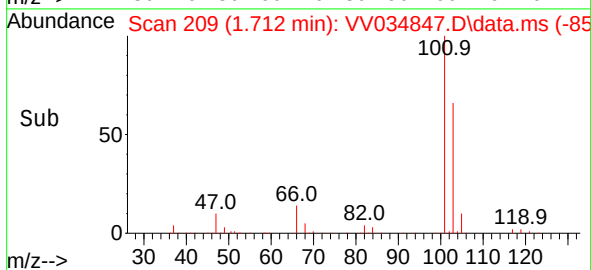
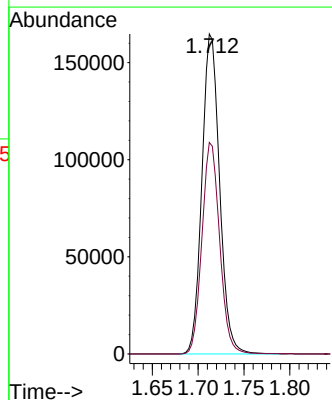
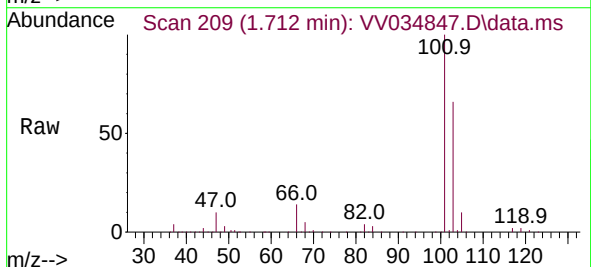
Instrument :
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ClientSampleId :

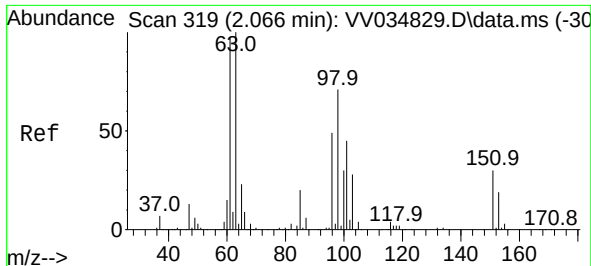
Tgt Ion: 64 Resp: 111756
Ion Ratio Lower Upper
64 100
66 32.8 23.2 43.2



#9
Trichlorofluoromethane
Concen: 48.152 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV034847.D
Acq: 26 Mar 2024 23:03

Tgt Ion:101 Resp: 221045
Ion Ratio Lower Upper
101 100
103 66.2 51.6 77.4





#10

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

Concen: 46.606 ug/L

RT: 2.069 min Scan# 319

Delta R.T. 0.003 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

Instrument :

MSVOA_V

ClientSampleId :

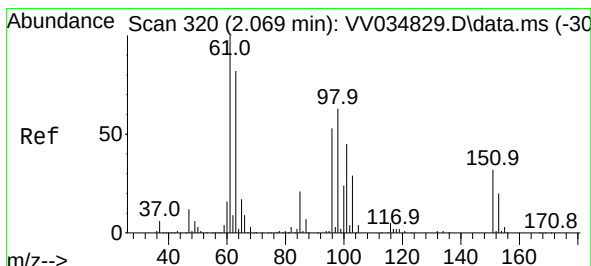
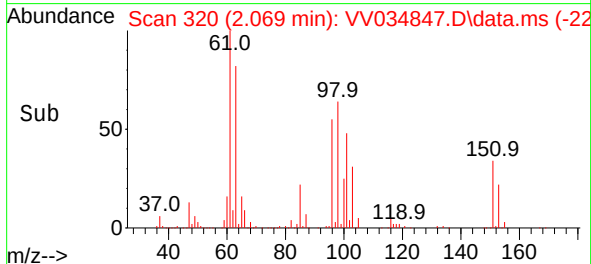
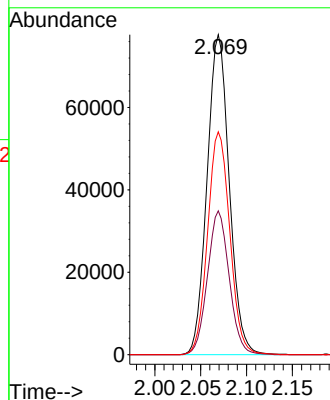
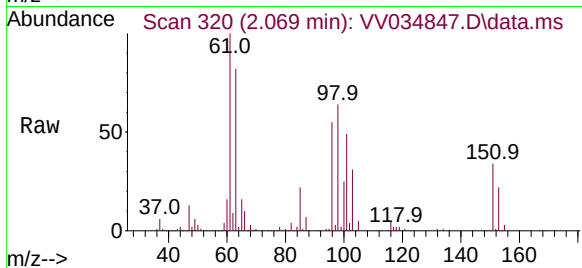
Tgt Ion:101 Resp: 130950

Ion Ratio Lower Upper

101 100

85 44.0 35.3 52.9

151 69.5 55.0 82.4



#12

1,1-Dichloroethene

Concen: 47.846 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

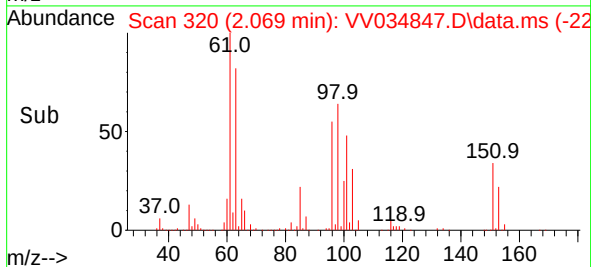
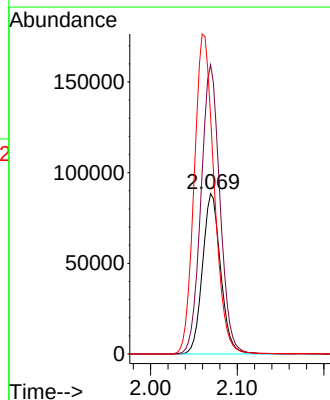
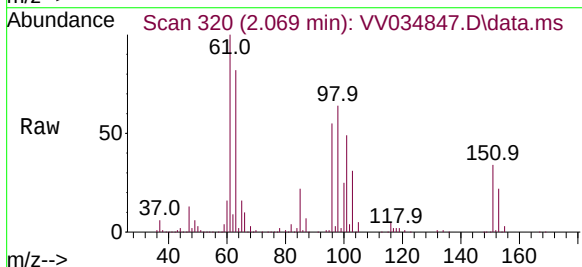
Tgt Ion: 96 Resp: 128575

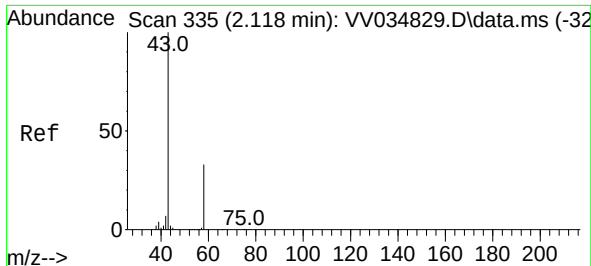
Ion Ratio Lower Upper

96 100

61 180.3 131.5 244.3

63 148.2 111.4 206.8





#13

Acetone

Concen: 71.950 ug/L

RT: 2.114 min Scan# 334

Delta R.T. -0.003 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

Instrument :

MSVOA_V

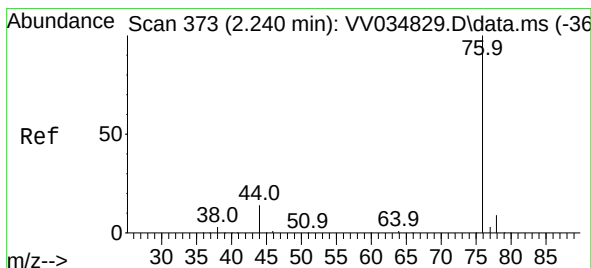
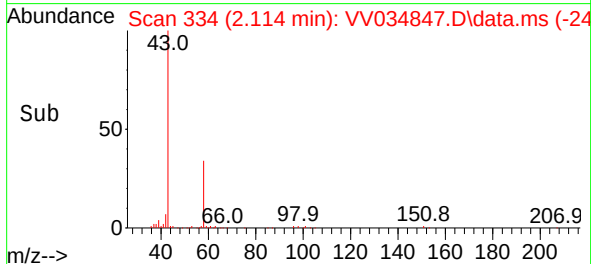
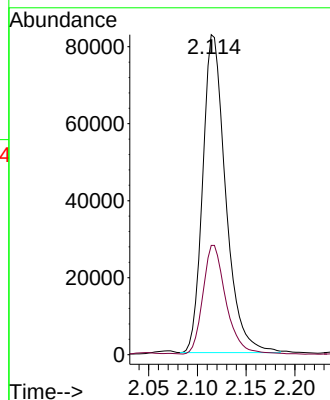
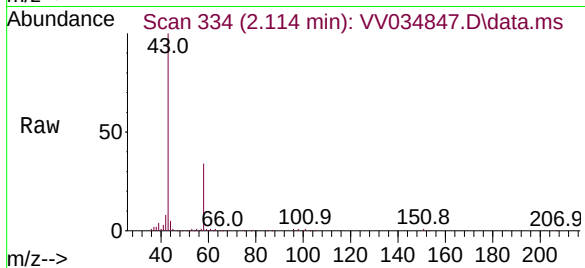
ClientSampleId :

Tgt Ion: 43 Resp: 135472

Ion Ratio Lower Upper

43 100

58 34.2 0.0 66.0



#14

Carbon disulfide

Concen: 45.973 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV034847.D

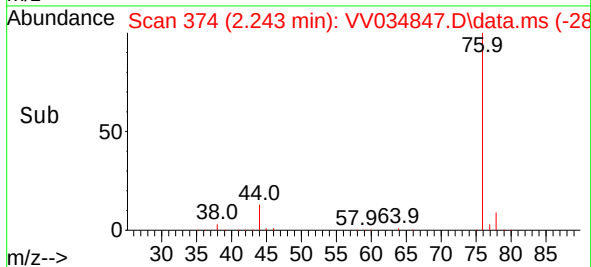
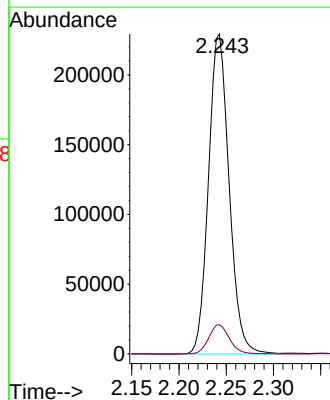
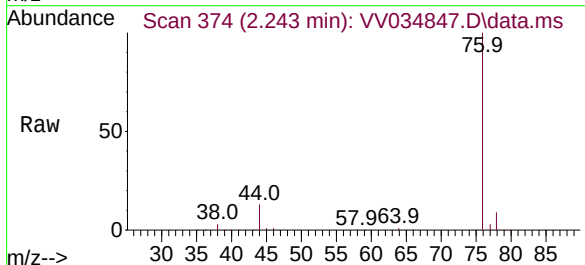
Acq: 26 Mar 2024 23:03

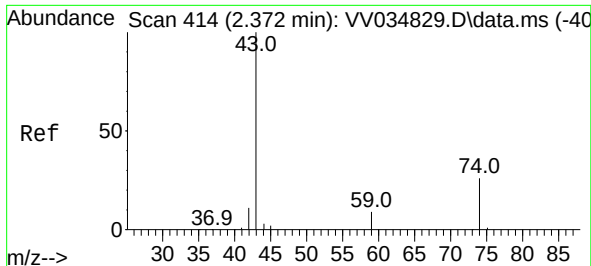
Tgt Ion: 76 Resp: 347902

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





#15

Methyl Acetate

Concen: 45.320 ug/L

RT: 2.371 min Scan# 414

Delta R.T. -0.000 min

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Instrument :

MSVOA_V

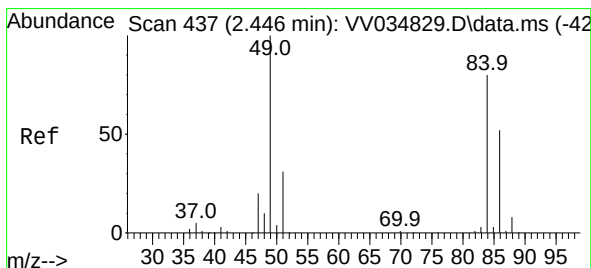
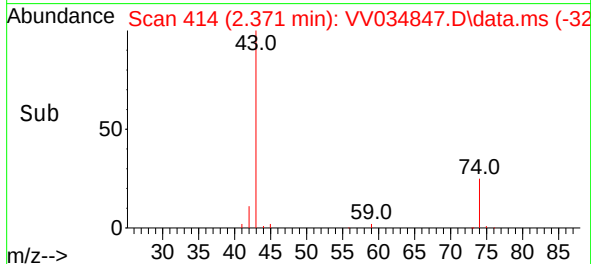
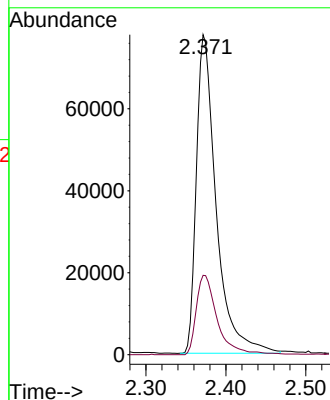
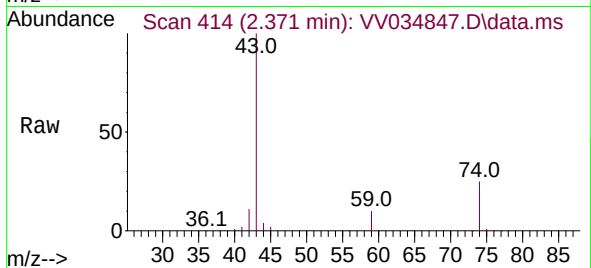
ClientSampleId :

Tgt Ion: 43 Resp: 134468

Ion Ratio Lower Upper

43 100

74 25.6 19.8 29.8



#16

Methylene chloride

Concen: 47.014 ug/L

RT: 2.445 min Scan# 437

Delta R.T. -0.000 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

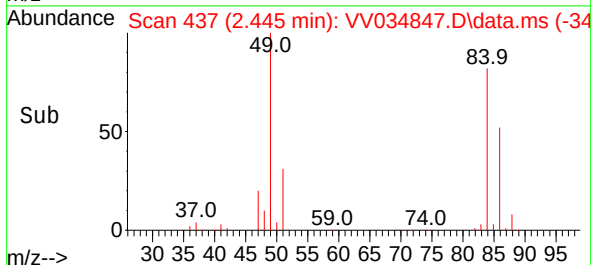
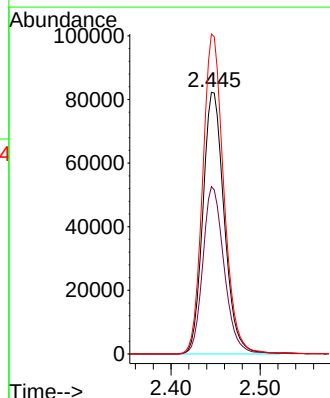
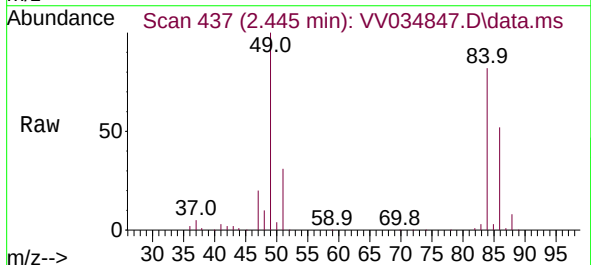
Tgt Ion: 84 Resp: 136894

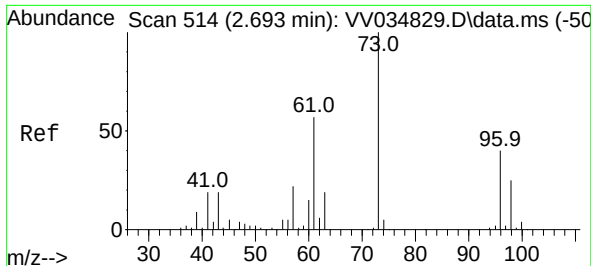
Ion Ratio Lower Upper

84 100

86 64.0 44.6 82.8

49 122.3 86.9 161.3





#17

trans-1,2-Dichloroethene

Concen: 47.478 ug/L

RT: 2.693 min Scan# 514

Delta R.T. -0.000 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

Instrument :

MSVOA_V

ClientSampleId :

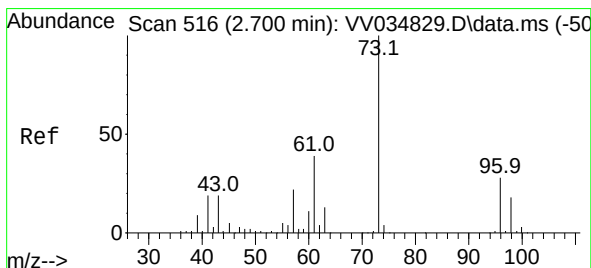
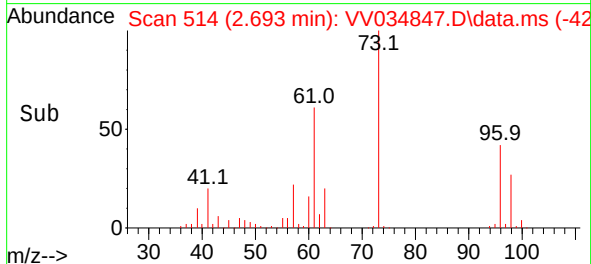
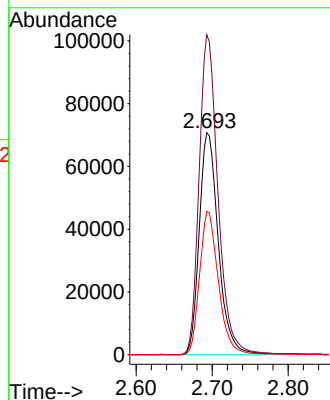
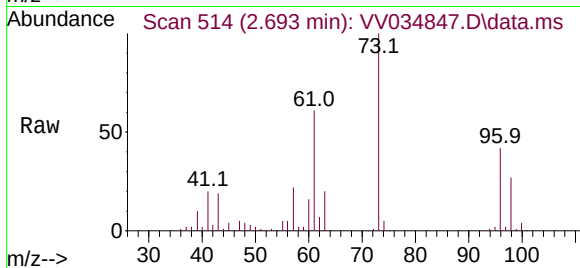
Tgt Ion: 96 Resp: 123351

Ion Ratio Lower Upper

96 100

61 144.2 99.0 183.8

98 64.5 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 47.251 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.003 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

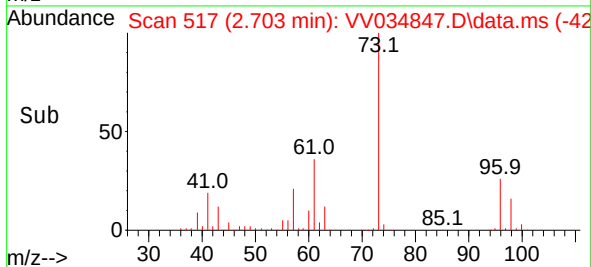
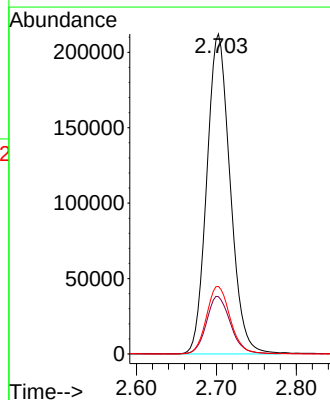
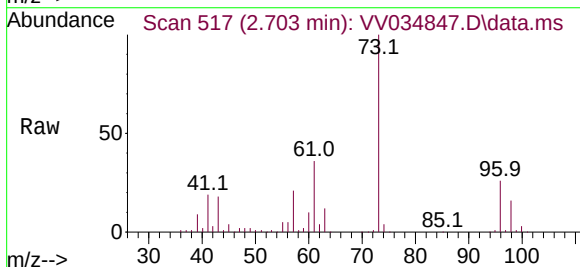
Tgt Ion: 73 Resp: 431198

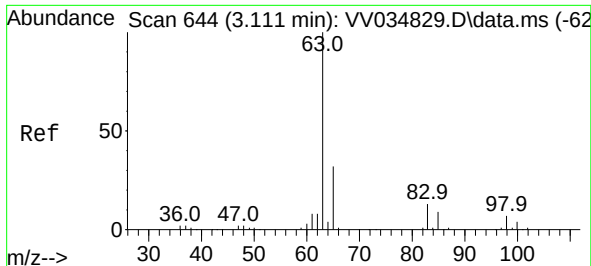
Ion Ratio Lower Upper

73 100

43 18.2 14.6 21.8

57 21.5 17.6 26.4

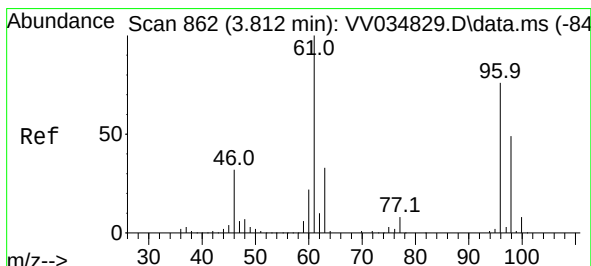
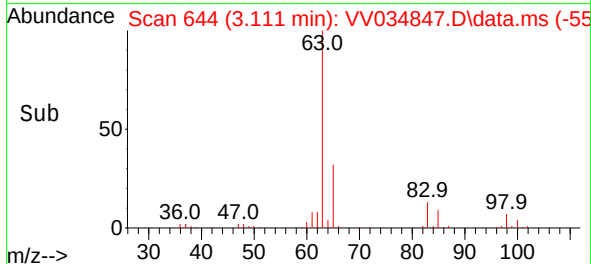
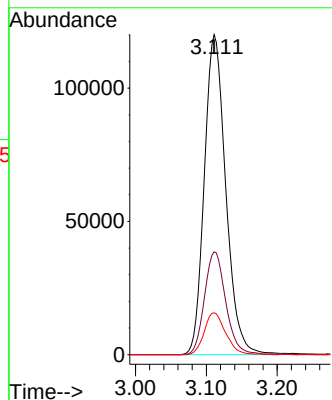
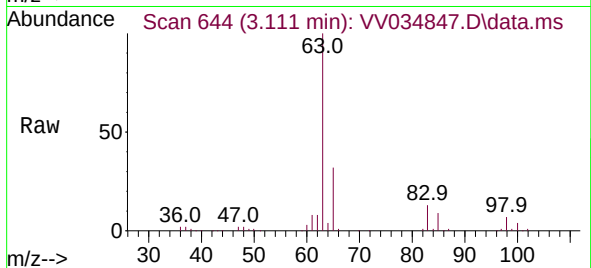




#19
 1,1-Dichloroethane
 Concen: 47.410 ug/L
 RT: 3.111 min Scan# 644
 Delta R.T. -0.000 min
 Lab File: VV034847.D
 Acq: 26 Mar 2024 23:03

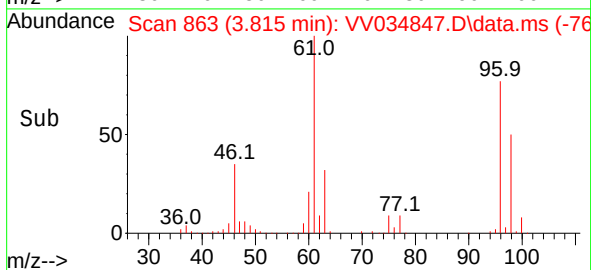
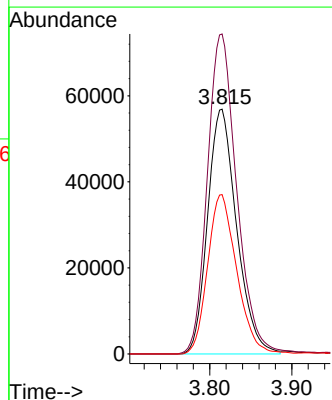
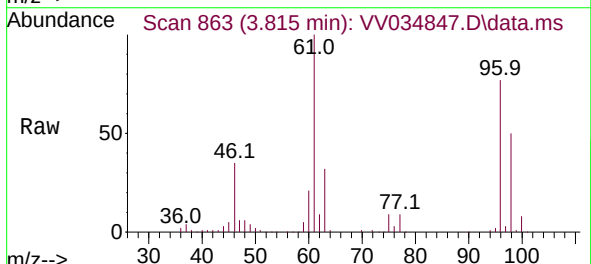
Instrument :
 MSVOA_V
 ClientSampleId :

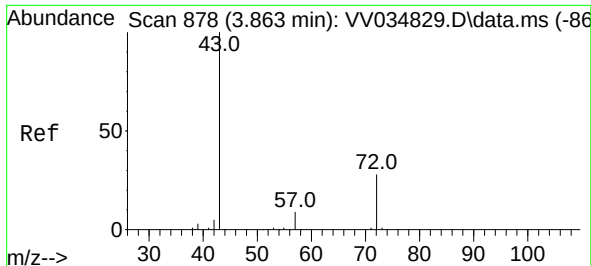
Tgt Ion: 63 Resp: 252592
 Ion Ratio Lower Upper
 63 100
 65 32.2 23.0 42.6
 83 13.1 9.1 16.9



#20
 cis-1,2-Dichloroethene
 Concen: 47.547 ug/L
 RT: 3.815 min Scan# 863
 Delta R.T. 0.003 min
 Lab File: VV034847.D
 Acq: 26 Mar 2024 23:03

Tgt Ion: 96 Resp: 140277
 Ion Ratio Lower Upper
 96 100
 61 130.7 94.9 176.3
 98 65.1 45.6 84.8





#22

2-Butanone

Concen: 84.435 ug/L

RT: 3.866 min Scan# 81

Delta R.T. 0.003 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

Instrument :

MSVOA_V

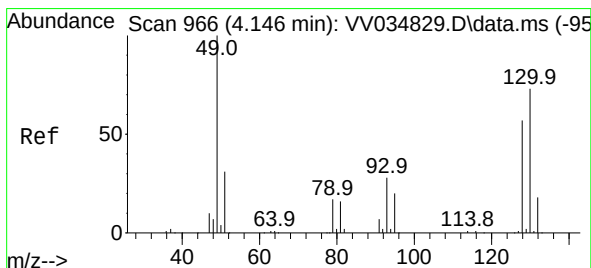
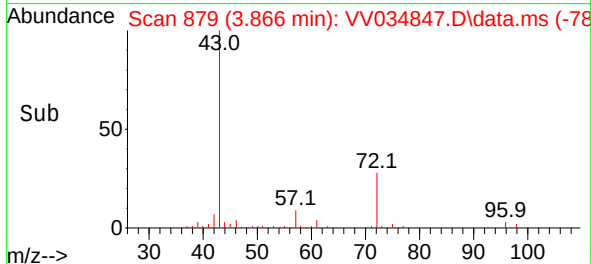
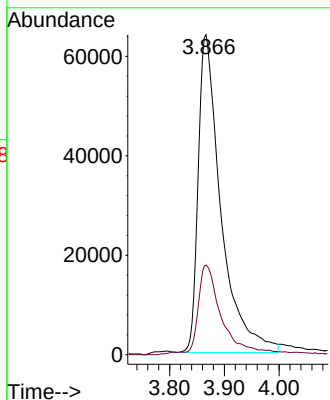
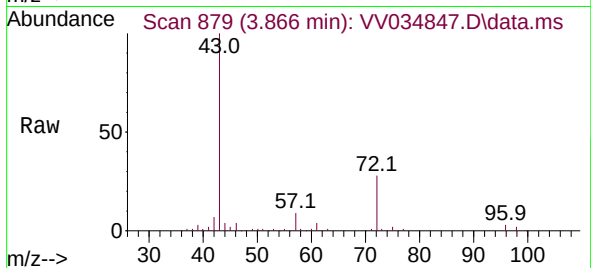
ClientSampleId :

Tgt Ion: 43 Resp: 184478

Ion Ratio Lower Upper

43 100

72 26.1 13.2 39.6



#23

Bromochloromethane

Concen: 47.843 ug/L

RT: 4.143 min Scan# 965

Delta R.T. -0.003 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

Tgt Ion: 128 Resp: 70620

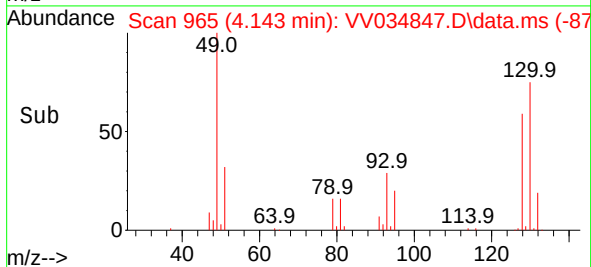
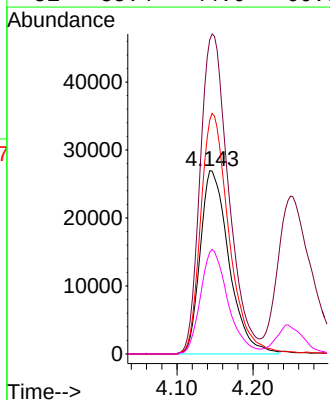
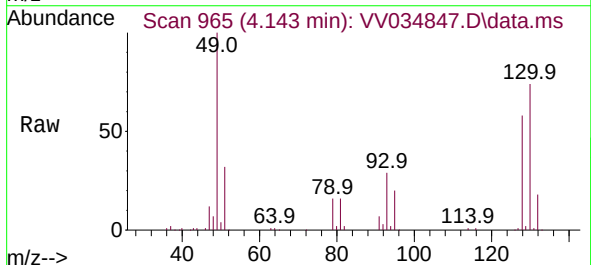
Ion Ratio Lower Upper

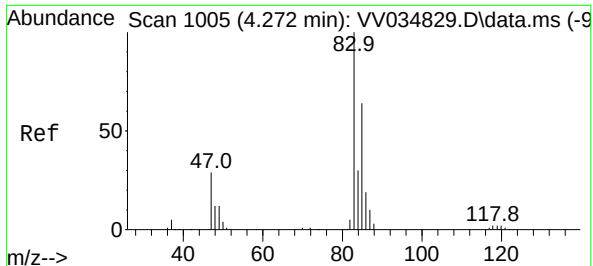
128 100

49 171.4 123.8 229.8

130 127.5 93.2 173.0

51 55.4 44.0 66.0





#25

Chloroform

Concen: 47.612 ug/L

RT: 4.275 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

Instrument :

MSVOA_V

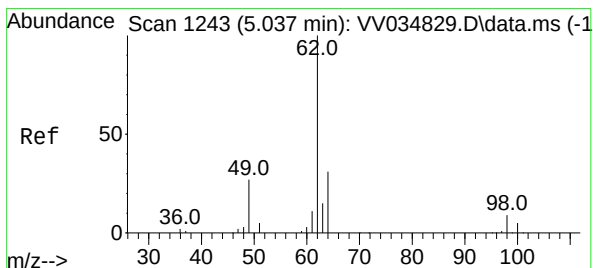
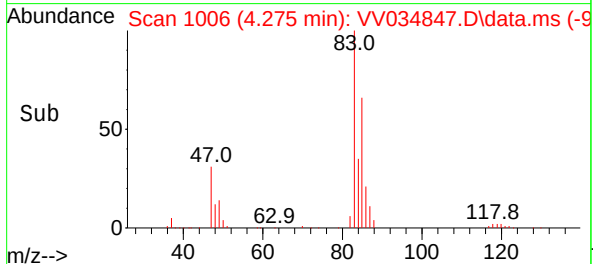
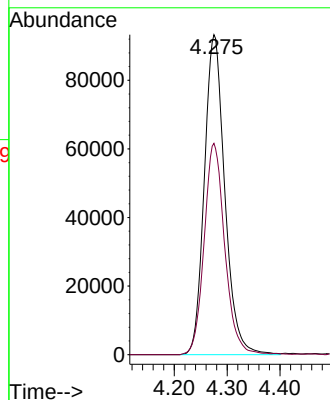
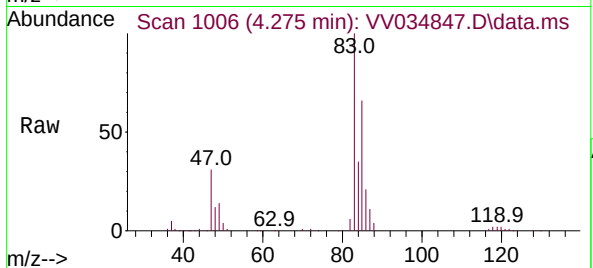
ClientSampleId :

Tgt Ion: 83 Resp: 250798

Ion Ratio Lower Upper

83 100

85 66.1 46.0 85.4



#27

1,2-Dichloroethane

Concen: 47.702 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VV034847.D

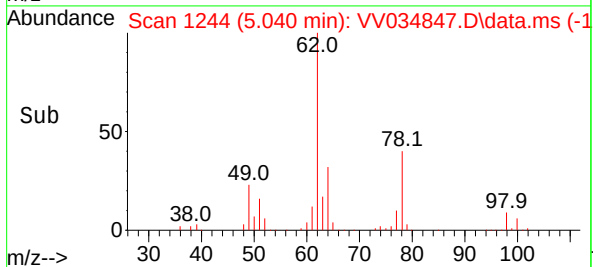
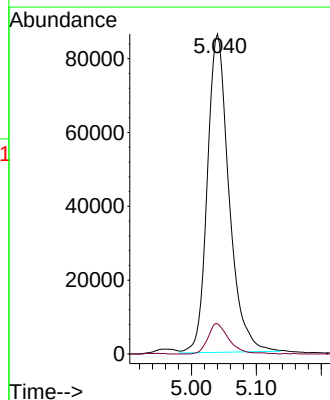
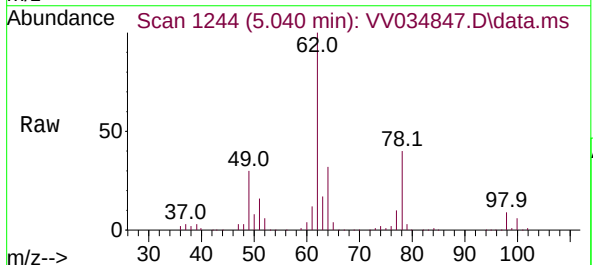
Acq: 26 Mar 2024 23:03

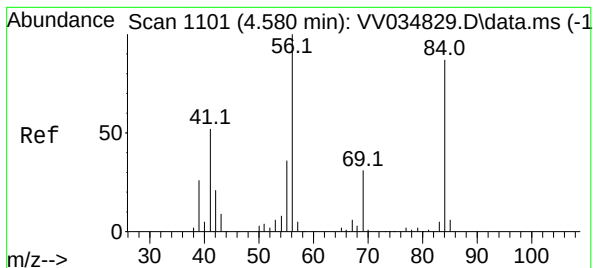
Tgt Ion: 62 Resp: 200060

Ion Ratio Lower Upper

62 100

98 9.4 7.2 10.8





#29

Cyclohexane

Concen: 45.836 ug/L

RT: 4.583 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

Instrument :

MSVOA_V

ClientSampleId :

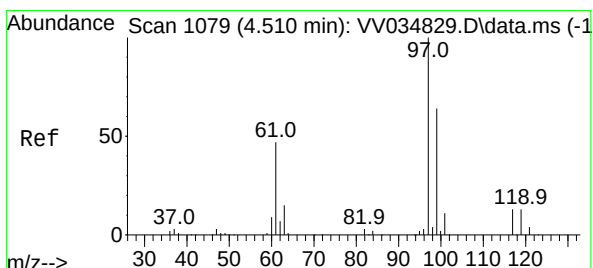
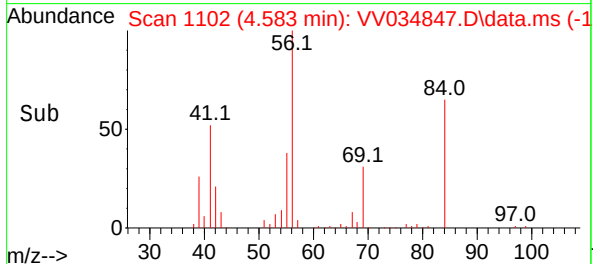
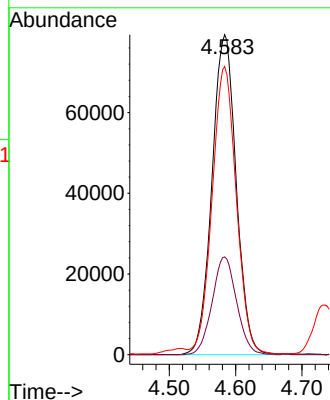
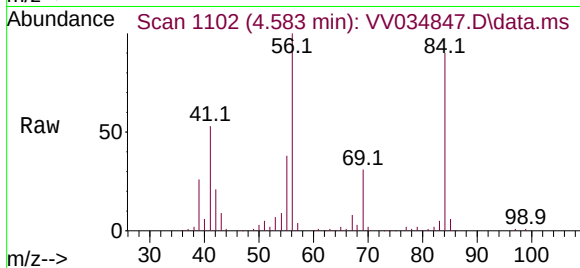
Tgt Ion: 56 Resp: 201274

Ion Ratio Lower Upper

56 100

69 30.9 24.2 36.2

84 89.2 69.8 104.8



#30

1,1,1-Trichloroethane

Concen: 46.803 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.003 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

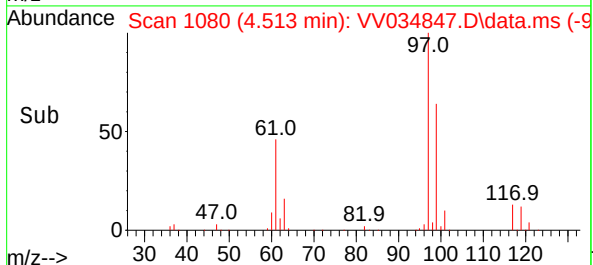
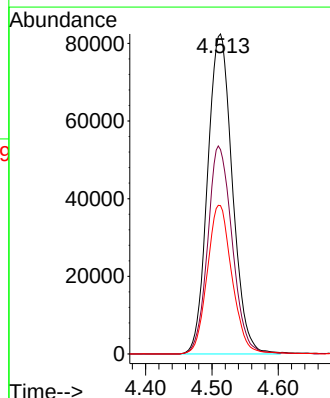
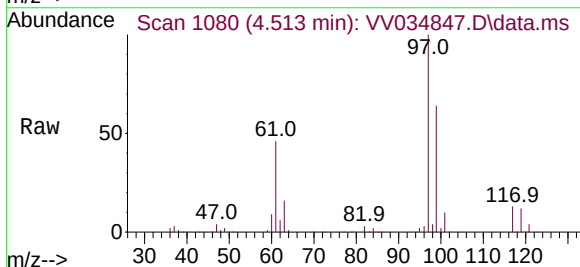
Tgt Ion: 97 Resp: 213891

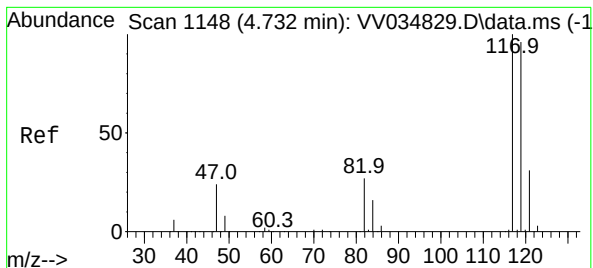
Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.4

61 46.3 36.8 55.2





#31

Carbon tetrachloride

Concen: 46.894 ug/L

RT: 4.735 min Scan# 1148

Delta R.T. 0.003 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

Instrument :

MSVOA_V

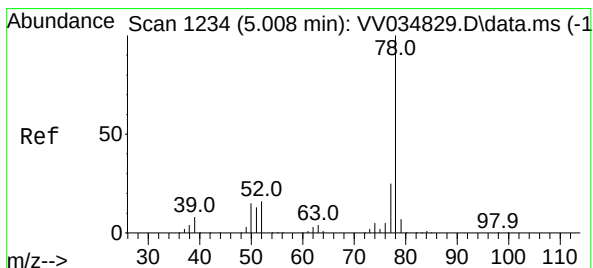
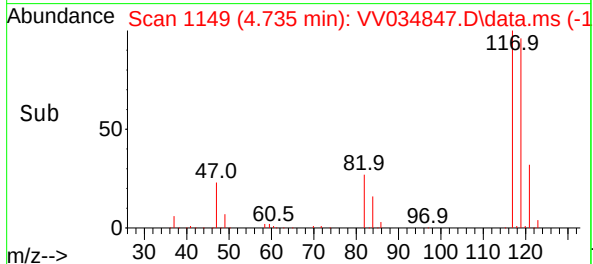
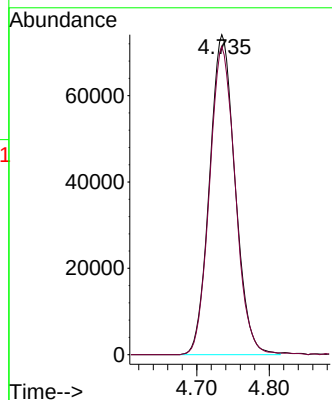
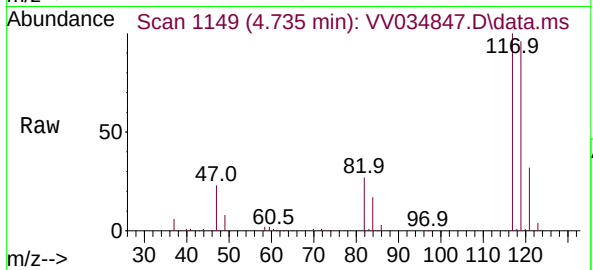
ClientSampleId :

Tgt Ion:117 Resp: 181643

Ion Ratio Lower Upper

117 100

119 96.3 77.1 115.7



#33

Benzene

Concen: 46.859 ug/L

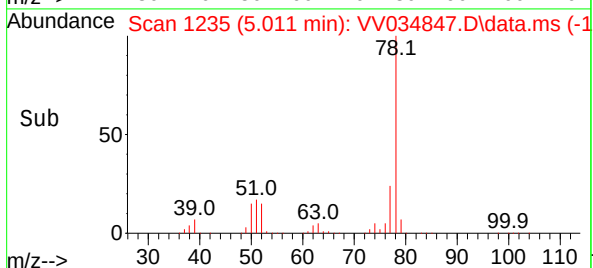
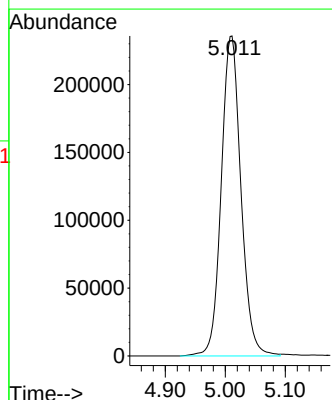
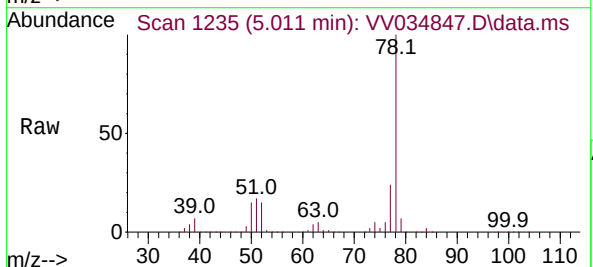
RT: 5.011 min Scan# 1235

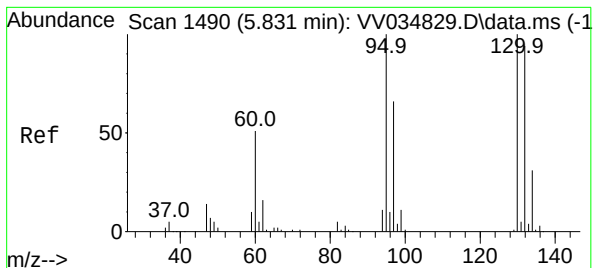
Delta R.T. 0.003 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

Tgt Ion: 78 Resp: 535713





#34

Trichloroethene

Concen: 45.143 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. -0.000 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 139282

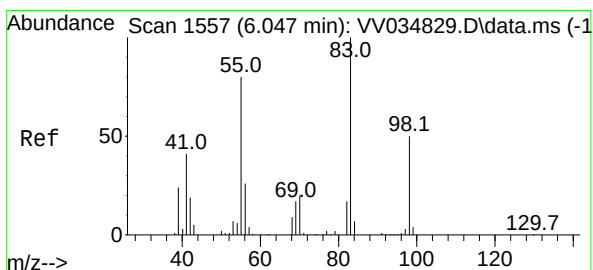
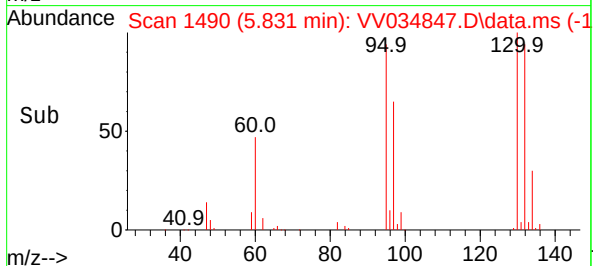
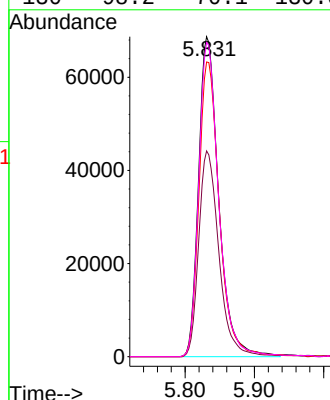
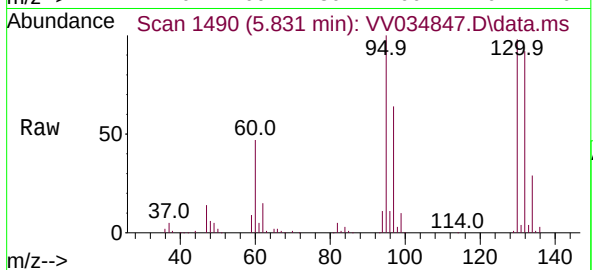
Ion Ratio Lower Upper

95 100

97 64.3 45.3 84.1

132 92.1 65.3 121.3

130 98.2 70.1 130.3



#35

Methylcyclohexane

Concen: 44.468 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.003 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

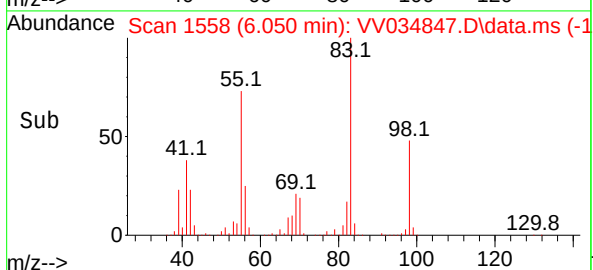
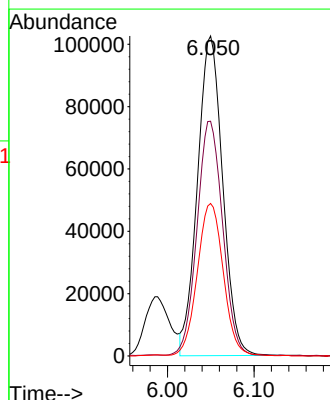
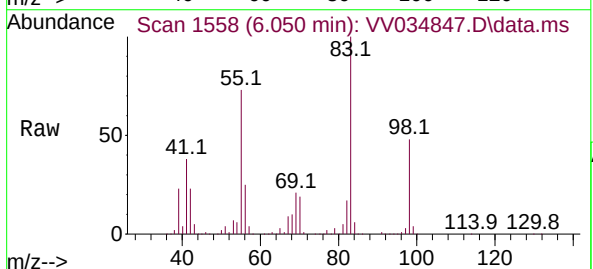
Tgt Ion: 83 Resp: 207202

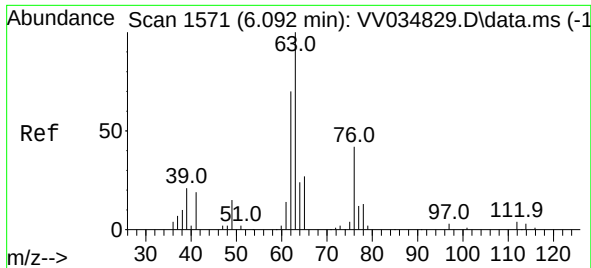
Ion Ratio Lower Upper

83 100

55 74.5 60.0 90.0

98 49.4 37.6 56.4

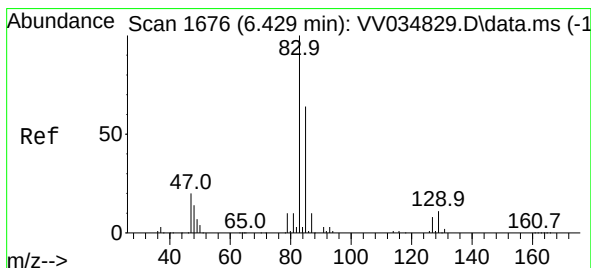
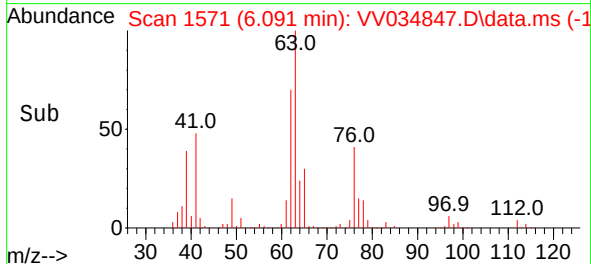
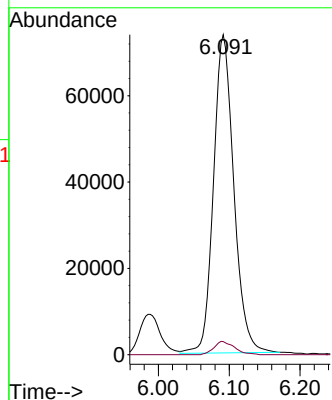
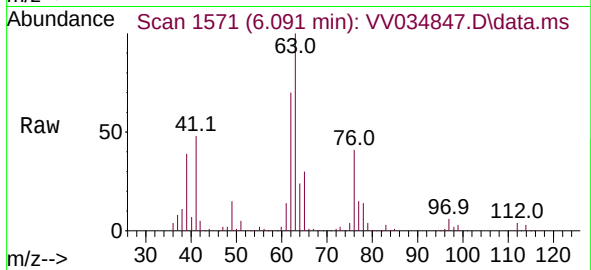




#37
1,2-Dichloropropane
Concen: 46.520 ug/L
RT: 6.091 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV034847.D
Acq: 26 Mar 2024 23:03

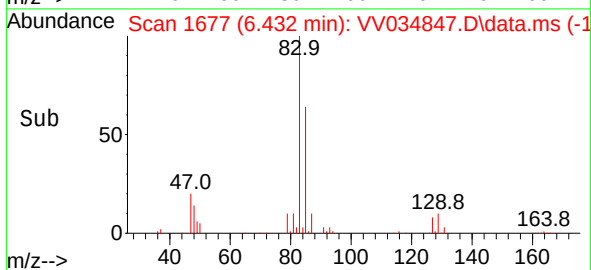
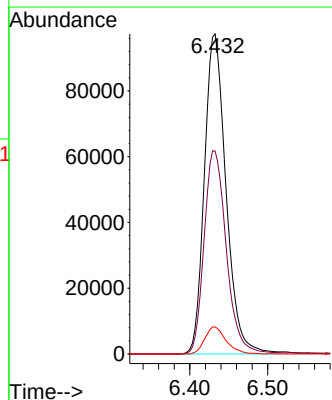
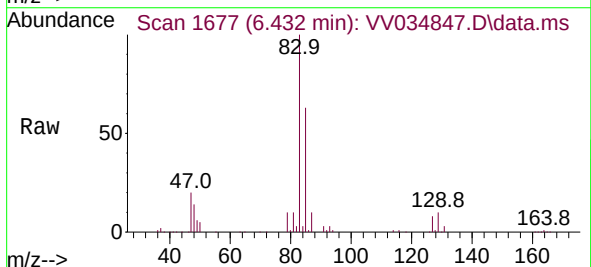
Instrument :
MSVOA_V
ClientSampleId :

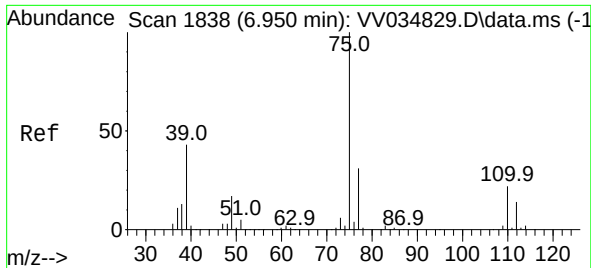
Tgt Ion: 63 Resp: 146975
Ion Ratio Lower Upper
63 100
112 4.2 3.3 4.9



#38
Bromodichloromethane
Concen: 46.147 ug/L
RT: 6.432 min Scan# 1677
Delta R.T. 0.003 min
Lab File: VV034847.D
Acq: 26 Mar 2024 23:03

Tgt Ion: 83 Resp: 188112
Ion Ratio Lower Upper
83 100
85 63.4 43.7 81.1
127 8.5 6.4 9.6

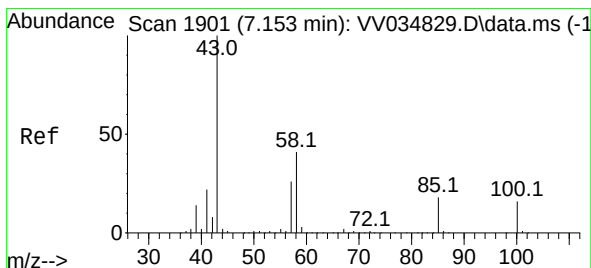
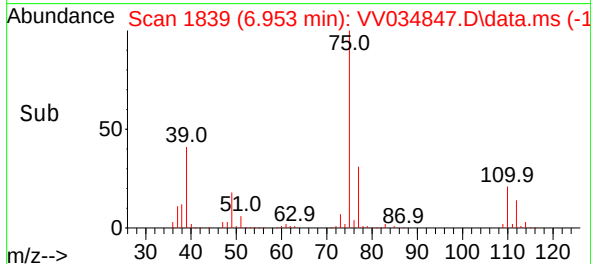
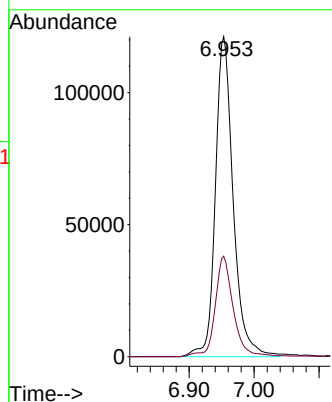
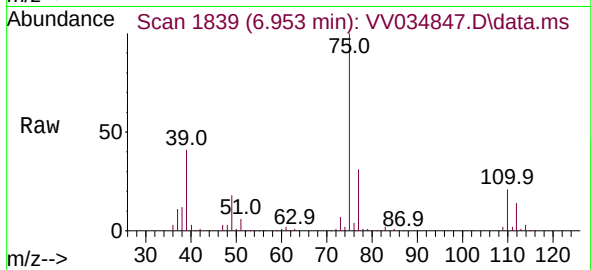




#39
 cis-1,3-Dichloropropene
 Concen: 46.310 ug/L
 RT: 6.953 min Scan# 11
 Delta R.T. 0.003 min
 Lab File: VV034847.D
 Acq: 26 Mar 2024 23:03

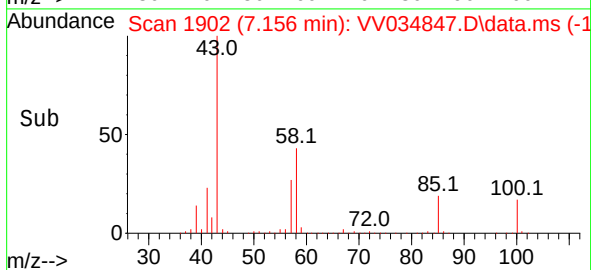
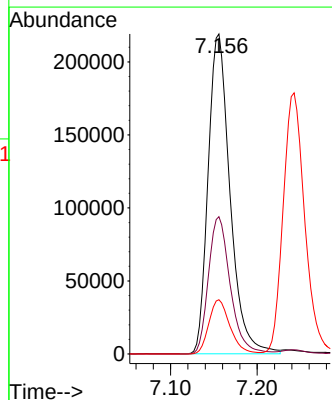
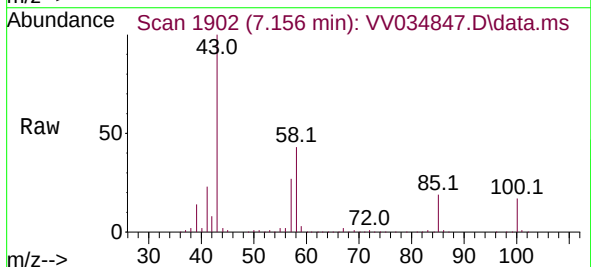
Instrument :
 MSVOA_V
 ClientSampleId :

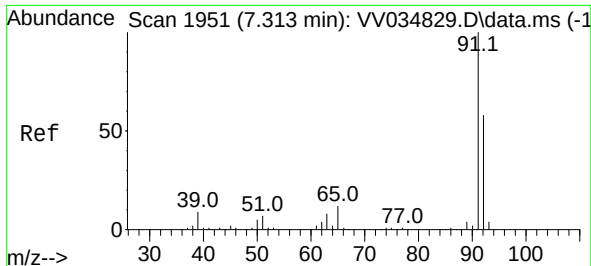
Tgt Ion: 75 Resp: 230486
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 95.516 ug/L
 RT: 7.156 min Scan# 1902
 Delta R.T. 0.003 min
 Lab File: VV034847.D
 Acq: 26 Mar 2024 23:03

Tgt Ion: 43 Resp: 385288
 Ion Ratio Lower Upper
 43 100
 58 42.7 33.8 50.8
 100 16.4 13.0 19.4





#42

Toluene

Concen: 47.106 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

Instrument :

MSVOA_V

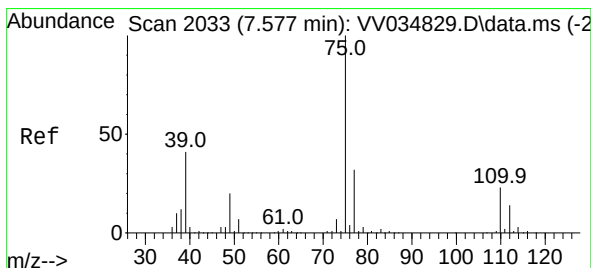
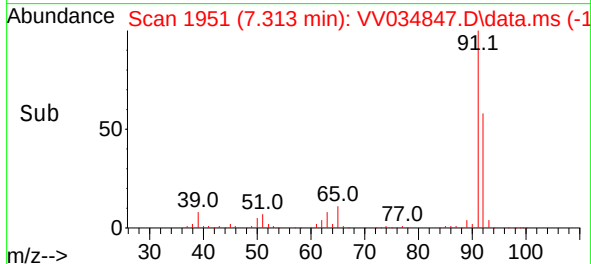
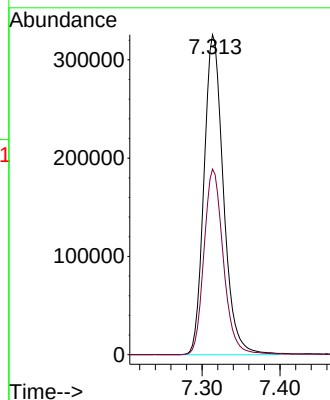
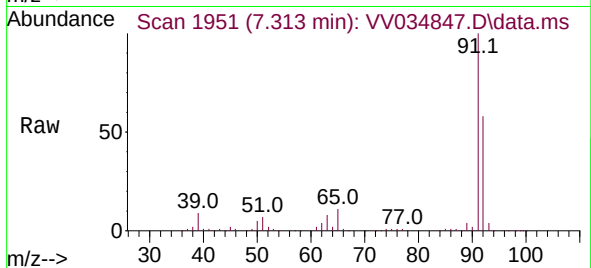
ClientSampleId :

Tgt Ion: 91 Resp: 563810

Ion Ratio Lower Upper

91 100

92 58.0 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 46.705 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV034847.D

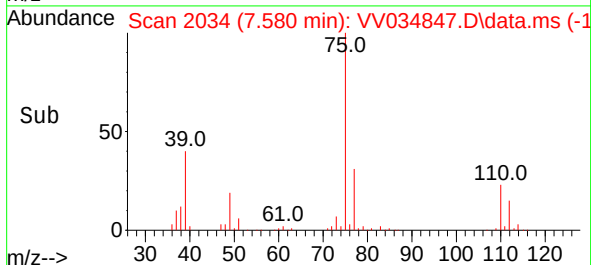
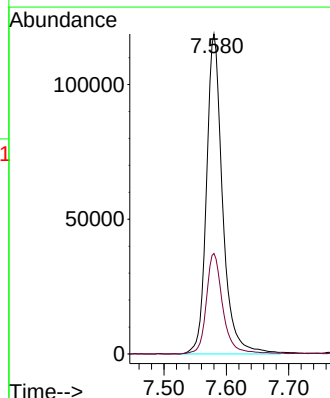
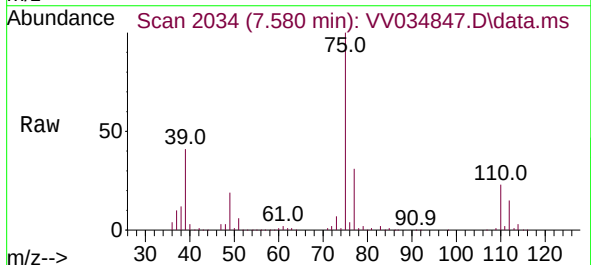
Acq: 26 Mar 2024 23:03

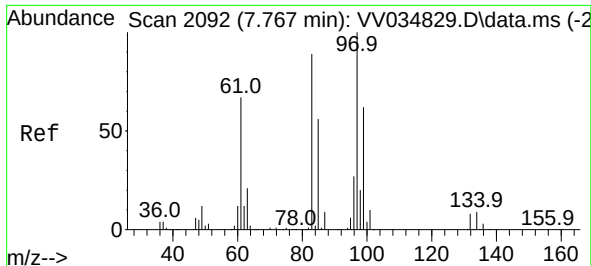
Tgt Ion: 75 Resp: 213555

Ion Ratio Lower Upper

75 100

77 31.4 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 47.600 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. -0.000 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 141746

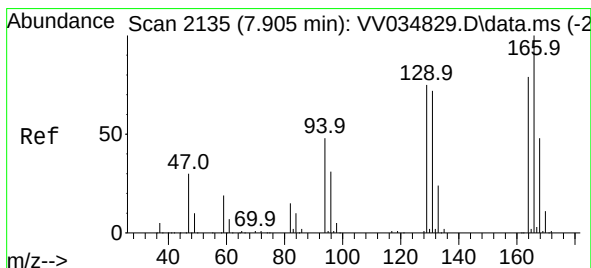
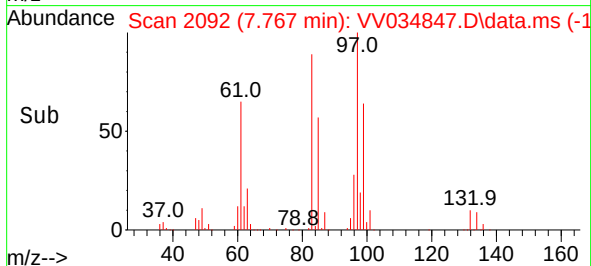
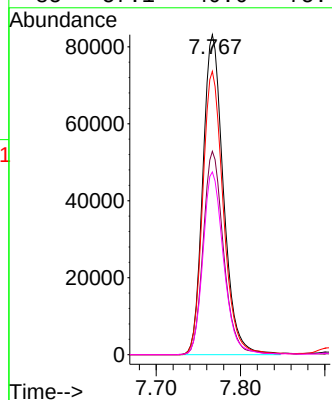
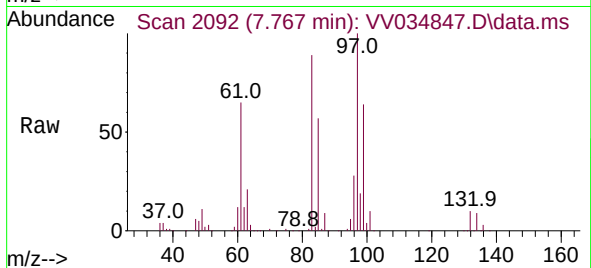
Ion Ratio Lower Upper

97 100

99 63.6 43.3 80.3

83 88.5 61.6 114.4

85 57.1 40.6 75.4



#46

Tetrachloroethene

Concen: 46.303 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

Tgt Ion:164 Resp: 99808

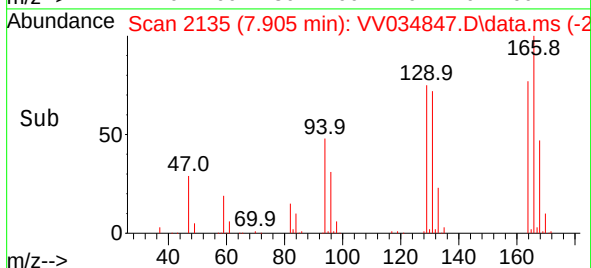
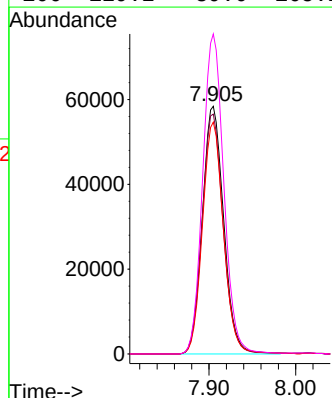
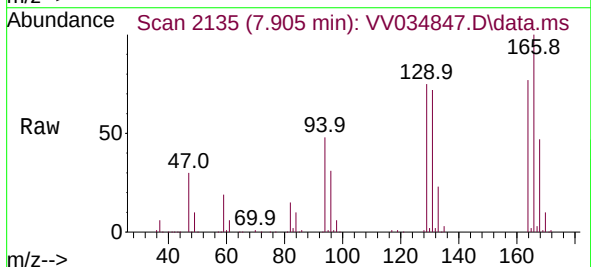
Ion Ratio Lower Upper

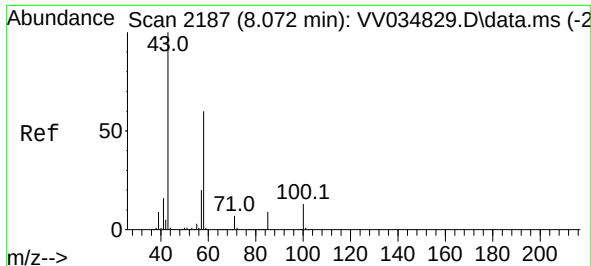
164 100

129 96.9 68.6 127.4

131 93.6 65.7 122.1

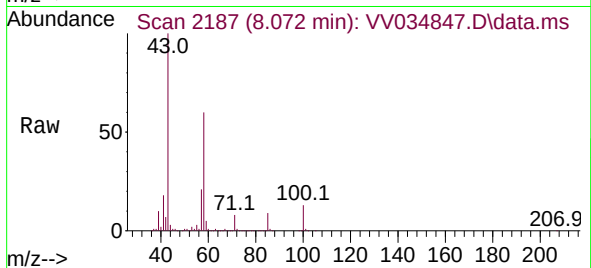
166 129.2 89.0 165.2



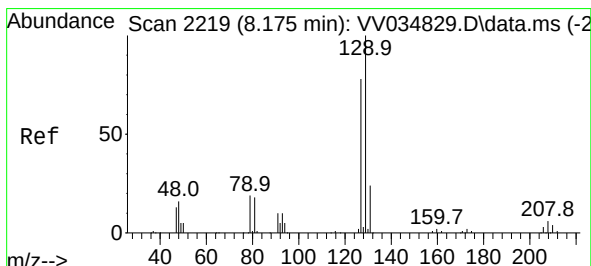
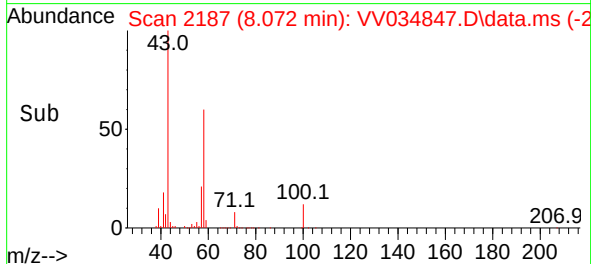
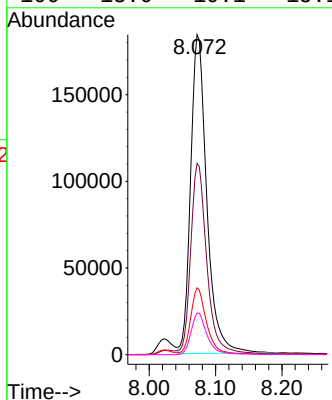


#48
2-Hexanone
Concen: 90.907 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. -0.000 min
Lab File: VV034847.D
Acq: 26 Mar 2024 23:03

Instrument :
MSVOA_V
ClientSampleId :

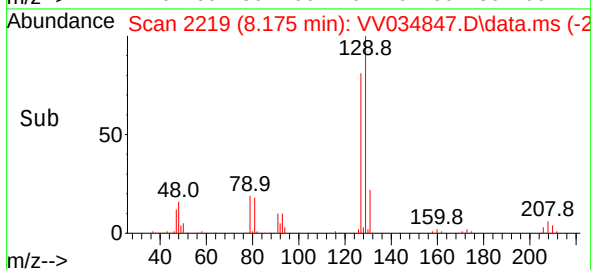
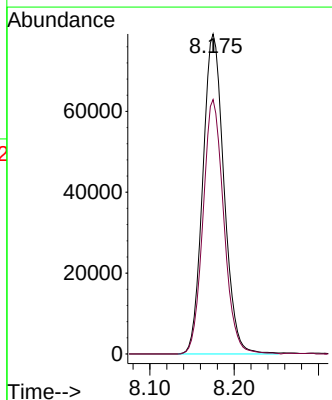
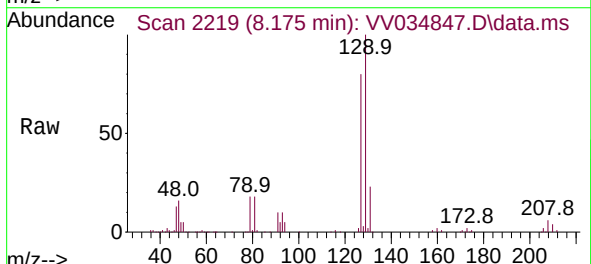


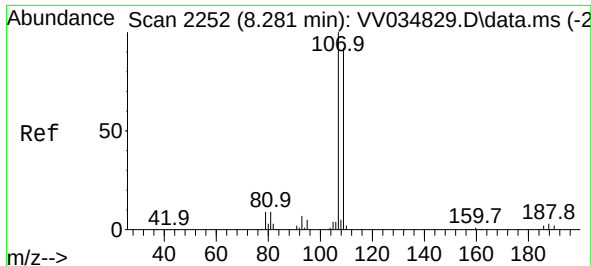
Tgt Ion:	43	Resp:	311880
Ion	Ratio	Lower	Upper
43	100		
58	59.7	45.4	68.2
57	20.0	16.2	24.4
100	13.0	10.1	15.1



#49
Dibromochloromethane
Concen: 46.875 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.000 min
Lab File: VV034847.D
Acq: 26 Mar 2024 23:03

Tgt Ion:	129	Resp:	138251
Ion	Ratio	Lower	Upper
129	100		
127	79.5	54.1	100.5





#50

1,2-Dibromoethane

Concen: 46.867 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

Instrument :

MSVOA_V

ClientSampleId :

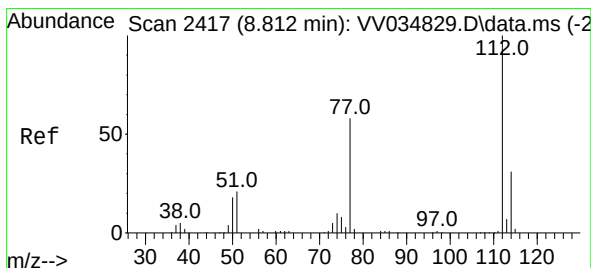
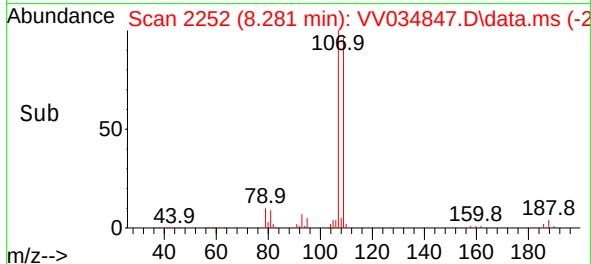
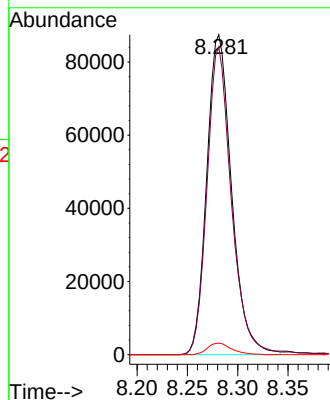
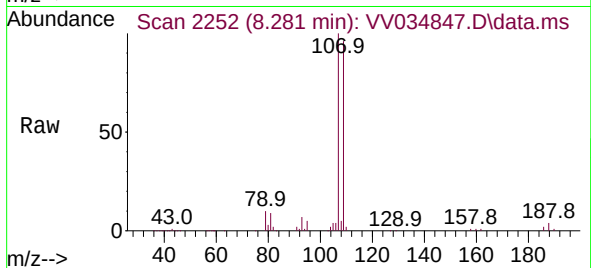
Tgt Ion:107 Resp: 150255

Ion Ratio Lower Upper

107 100

109 96.1 64.5 119.9

188 3.6 2.8 4.2



#51

Chlorobenzene

Concen: 47.424 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. -0.000 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

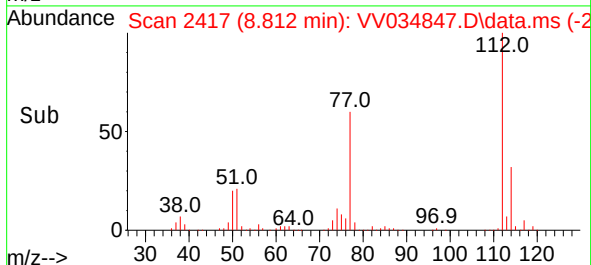
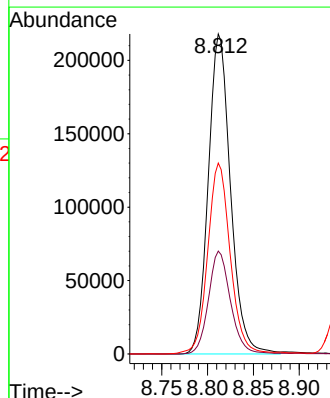
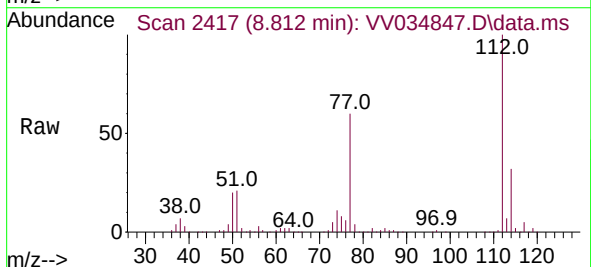
Tgt Ion:112 Resp: 367885

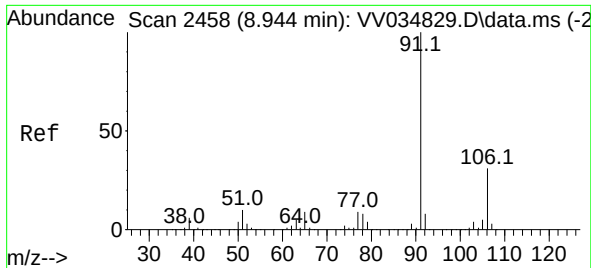
Ion Ratio Lower Upper

112 100

114 32.2 22.0 41.0

77 59.7 47.4 71.2

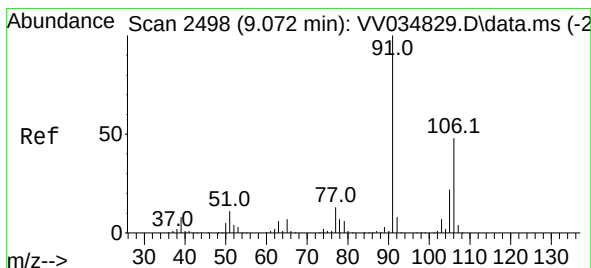
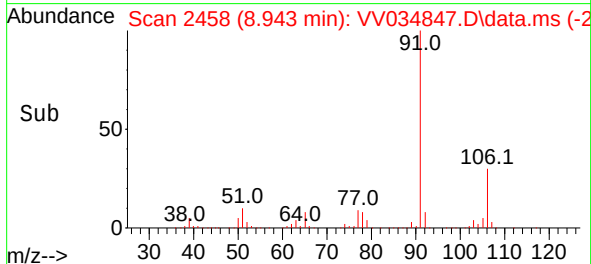
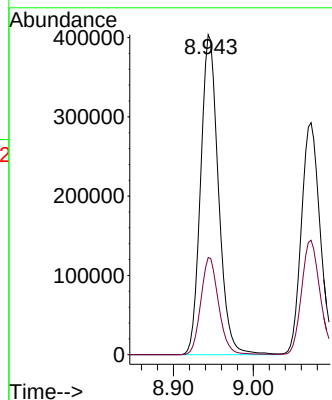
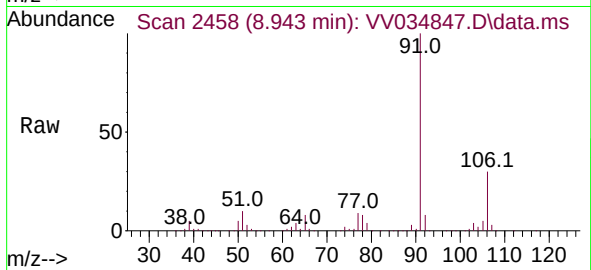




#52
Ethylbenzene
Concen: 47.250 ug/L
RT: 8.943 min Scan# 2458
Delta R.T. -0.000 min
Lab File: VV034847.D
Acq: 26 Mar 2024 23:03

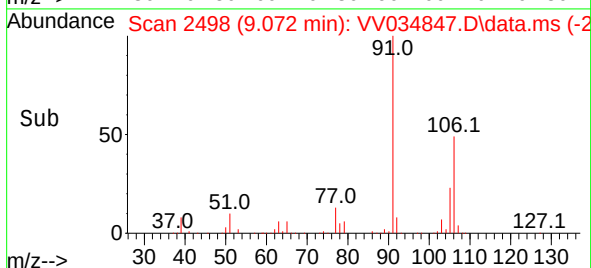
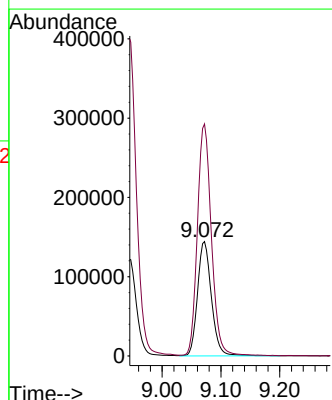
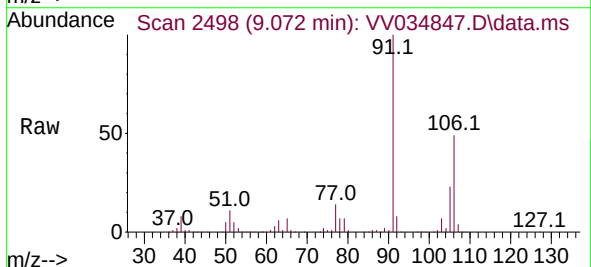
Instrument :
MSVOA_V
ClientSampleId :

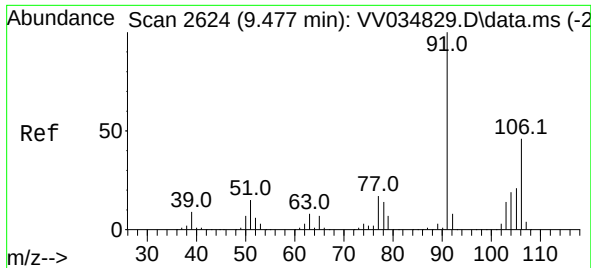
Tgt Ion: 91 Resp: 626770
Ion Ratio Lower Upper
91 100
106 30.4 21.3 39.5



#53
m,p-Xylene
Concen: 48.299 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV034847.D
Acq: 26 Mar 2024 23:03

Tgt Ion: 106 Resp: 235941
Ion Ratio Lower Upper
106 100
91 202.8 144.8 269.0

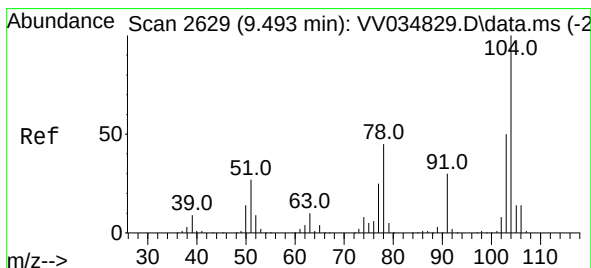
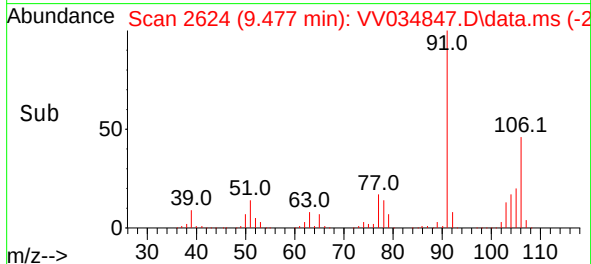
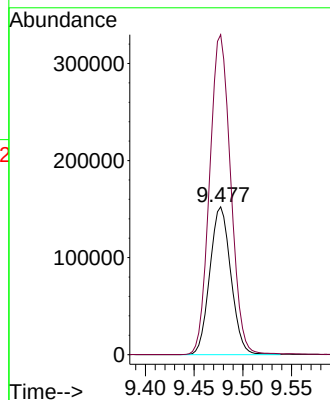
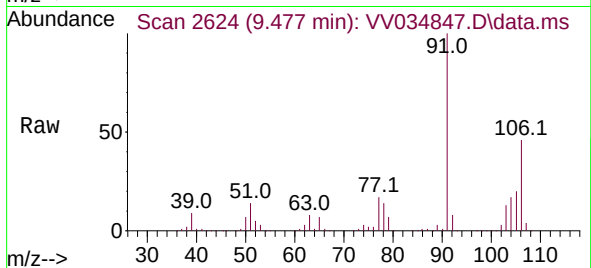




#54
o-Xylene
Concen: 47.396 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV034847.D
Acq: 26 Mar 2024 23:03

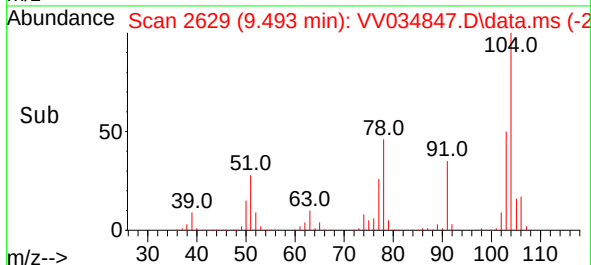
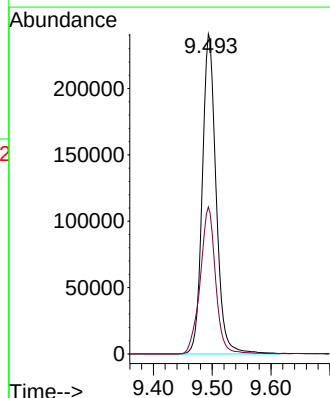
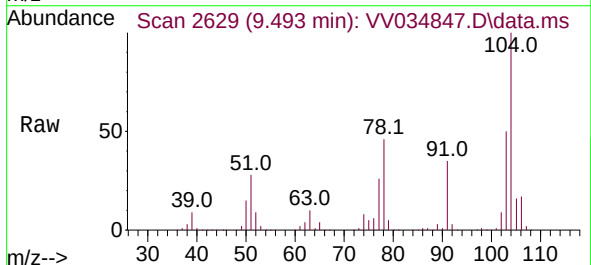
Instrument :
MSVOA_V
ClientSampleId :

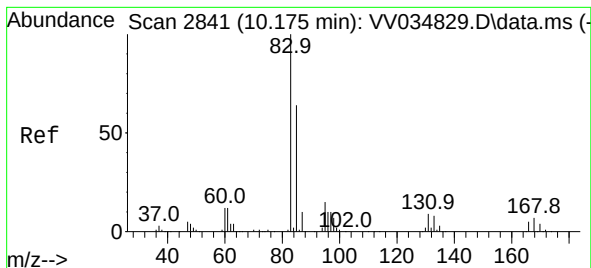
Tgt Ion:106 Resp: 229085
Ion Ratio Lower Upper
106 100
91 216.5 151.3 280.9



#55
Styrene
Concen: 48.276 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. -0.000 min
Lab File: VV034847.D
Acq: 26 Mar 2024 23:03

Tgt Ion:104 Resp: 394319
Ion Ratio Lower Upper
104 100
78 46.0 31.5 58.5





#57

1,1,2,2-Tetrachloroethane

Concen: 49.402 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. -0.000 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

Instrument :

MSVOA_V

ClientSampleId :

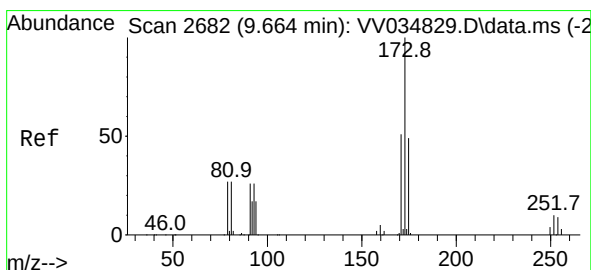
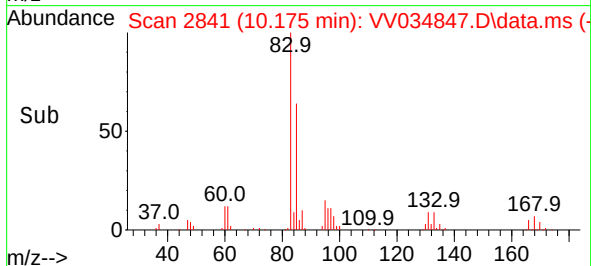
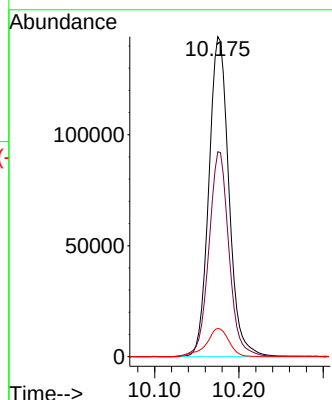
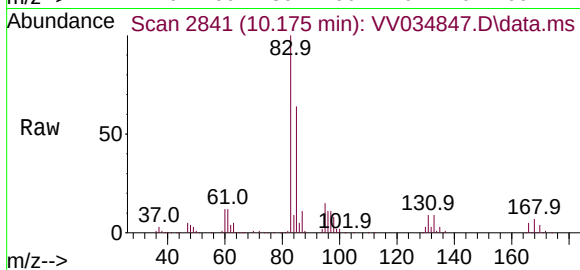
Tgt Ion: 83 Resp: 238352

Ion Ratio Lower Upper

83 100

85 64.1 44.5 82.7

131 8.9 6.9 10.3



#59

Bromoform

Concen: 46.197 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. -0.000 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

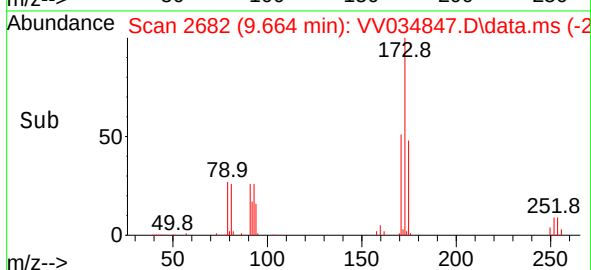
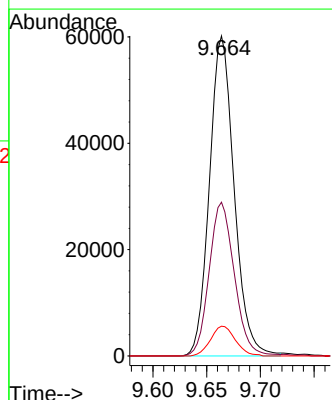
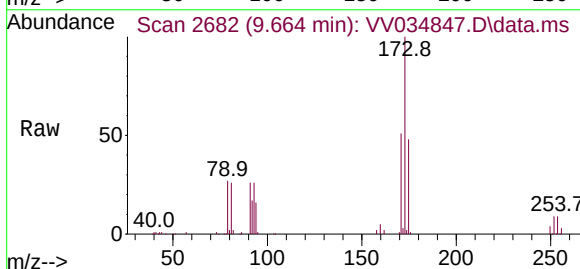
Tgt Ion: 173 Resp: 96125

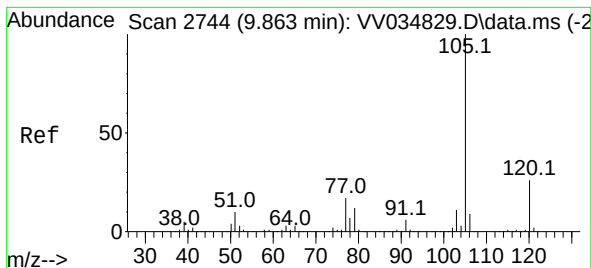
Ion Ratio Lower Upper

173 100

175 48.9 39.3 58.9

254 9.4 7.5 11.3





#60

Isopropylbenzene

Concen: 47.092 ug/L

RT: 9.866 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

Instrument :

MSVOA_V

ClientSampleId :

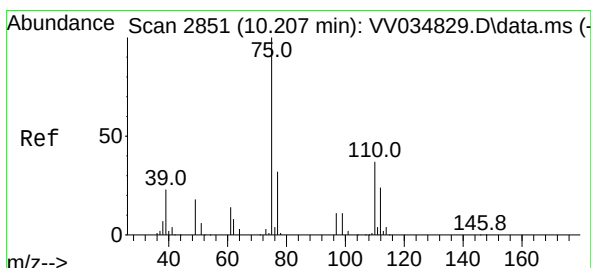
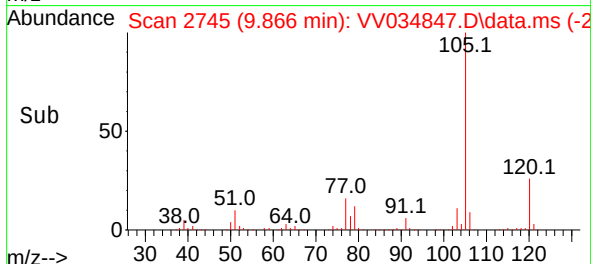
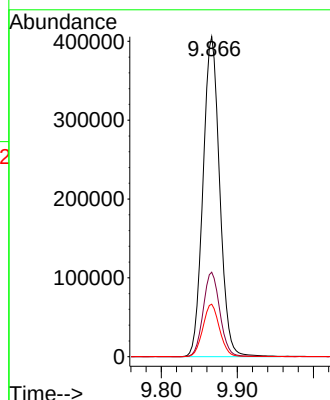
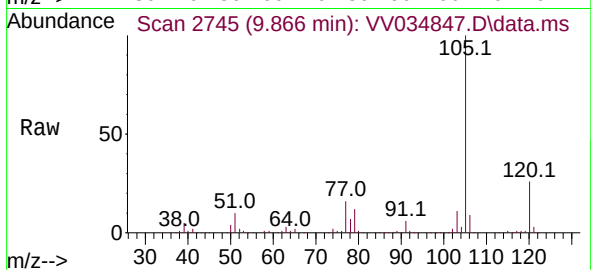
Tgt Ion:105 Resp: 616426

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.6

77 16.5 13.1 19.7



#61

1,2,3-Trichloropropane

Concen: 46.127 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. -0.000 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

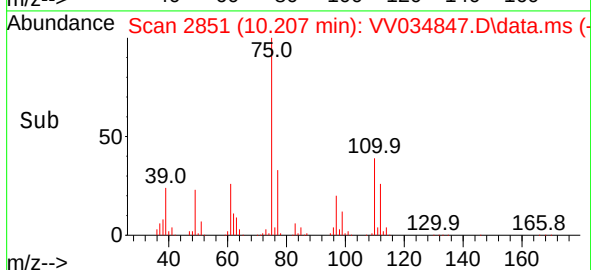
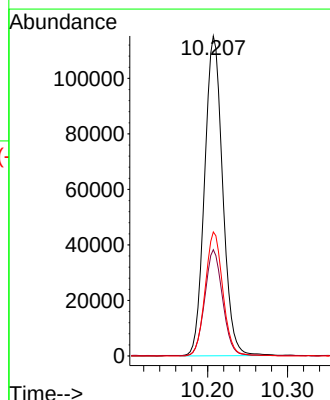
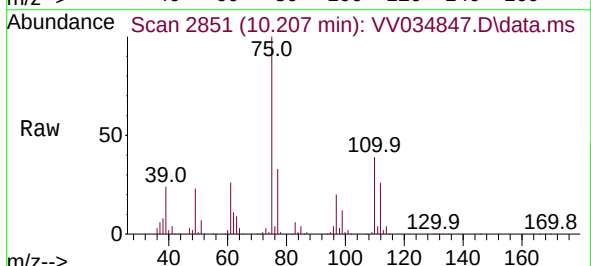
Tgt Ion: 75 Resp: 181488

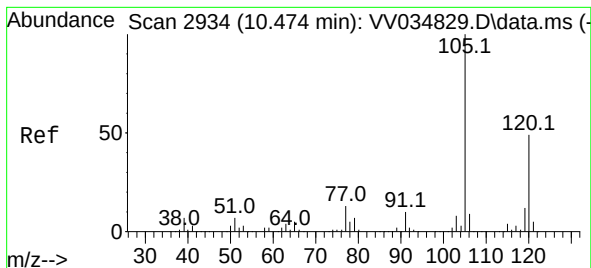
Ion Ratio Lower Upper

75 100

77 32.7 26.0 39.0

110 37.9 30.5 45.7





#62

1,3,5-Trimethylbenzene

Concen: 47.462 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

Instrument :

MSVOA_V

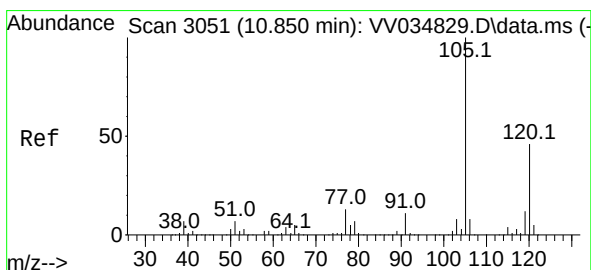
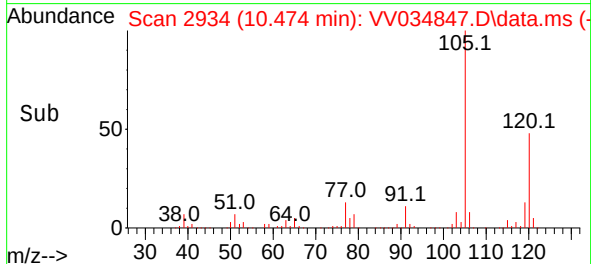
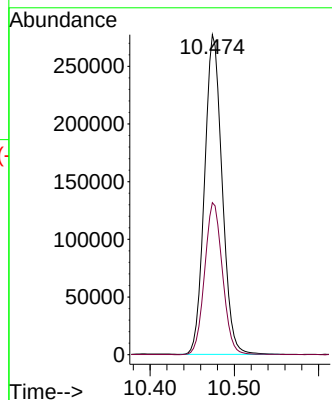
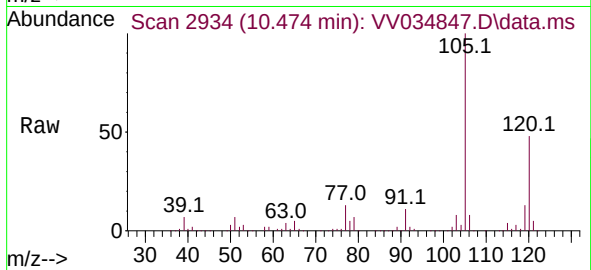
ClientSampleId :

Tgt Ion:105 Resp: 403486

Ion Ratio Lower Upper

105 100

120 48.2 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 47.378 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV034847.D

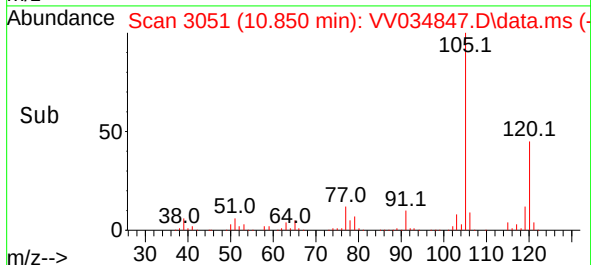
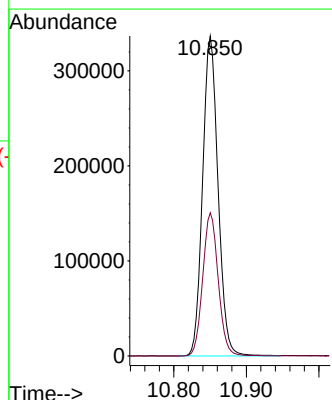
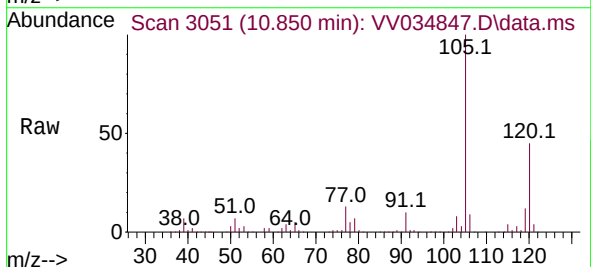
Acq: 26 Mar 2024 23:03

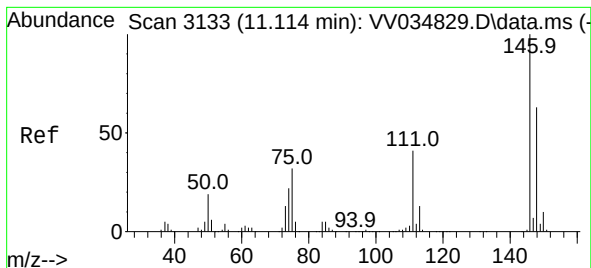
Tgt Ion:105 Resp: 497975

Ion Ratio Lower Upper

105 100

120 44.8 35.9 53.9





#64

1,3-Dichlorobenzene

Concen: 45.405 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

Instrument :

MSVOA_V

ClientSampleId :

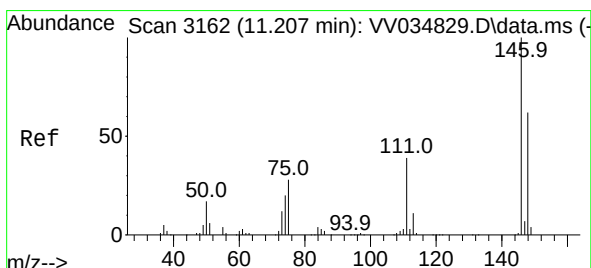
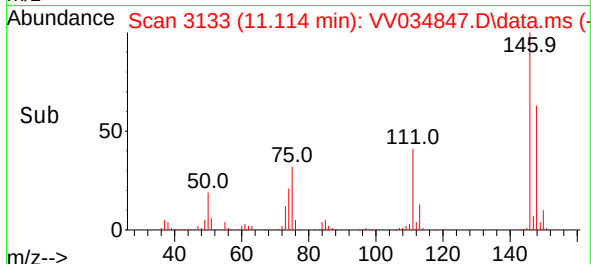
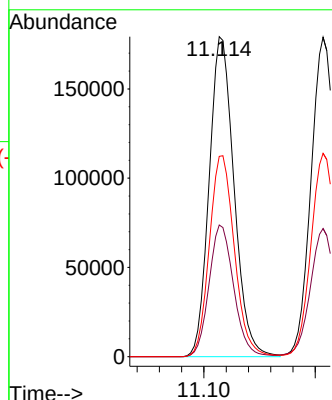
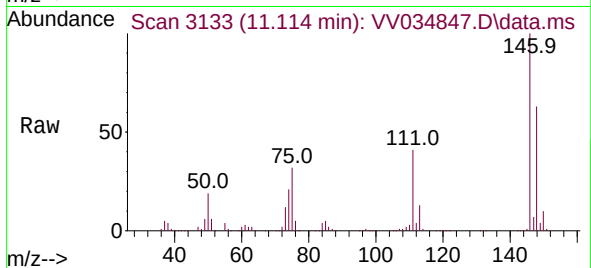
Tgt Ion:146 Resp: 277750

Ion Ratio Lower Upper

146 100

111 41.1 28.7 53.3

148 62.6 44.0 81.8



#65

1,4-Dichlorobenzene

Concen: 45.638 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. -0.000 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

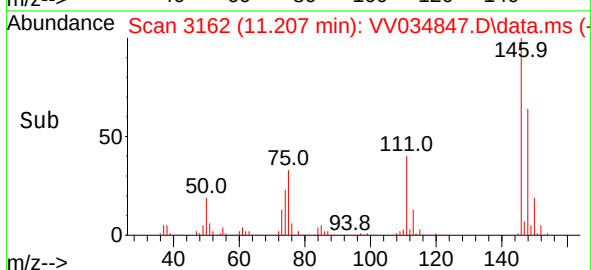
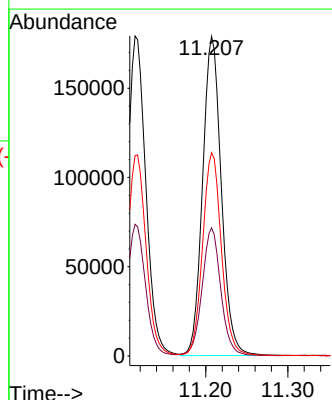
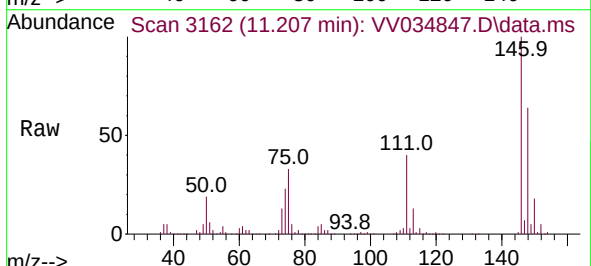
Tgt Ion:146 Resp: 283901

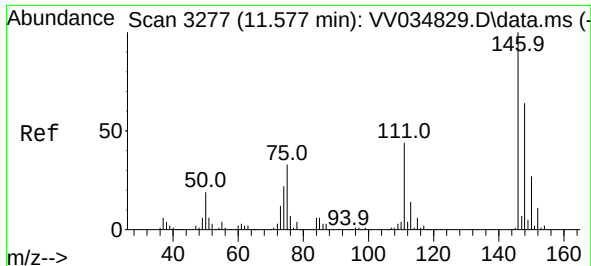
Ion Ratio Lower Upper

146 100

111 40.1 27.4 50.8

148 63.7 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 46.069 ug/L

RT: 11.577 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

Instrument :

MSVOA_V

ClientSampleId :

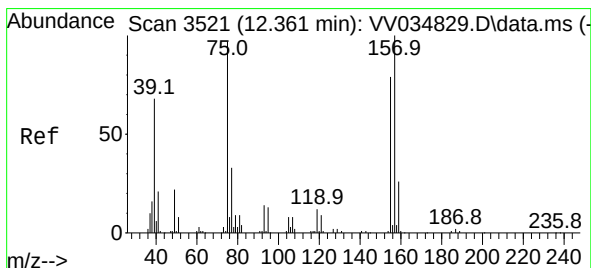
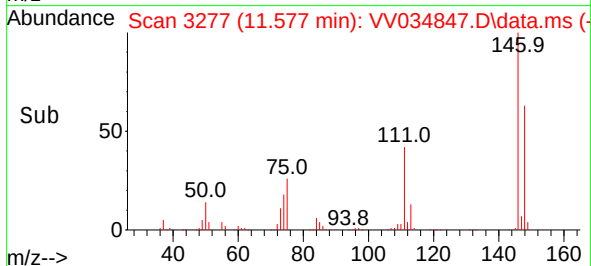
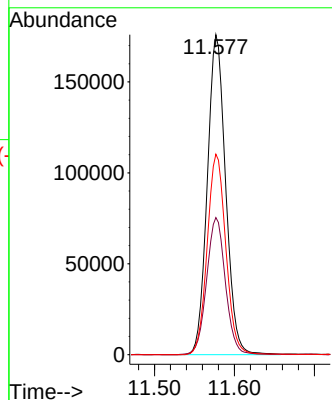
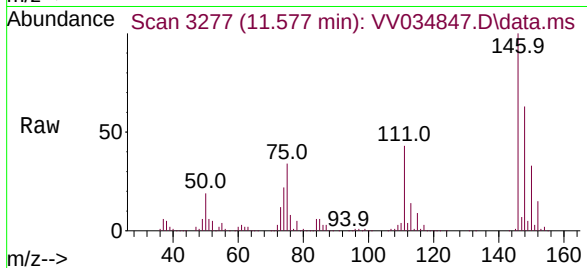
Tgt Ion:146 Resp: 280732

Ion Ratio Lower Upper

146 100

111 42.9 34.6 52.0

148 62.7 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 46.646 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

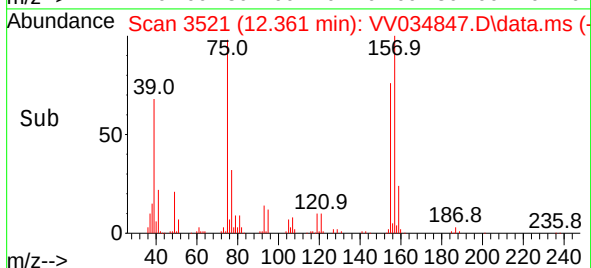
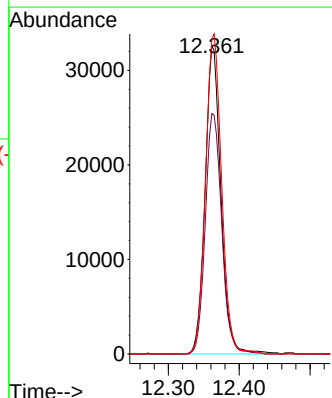
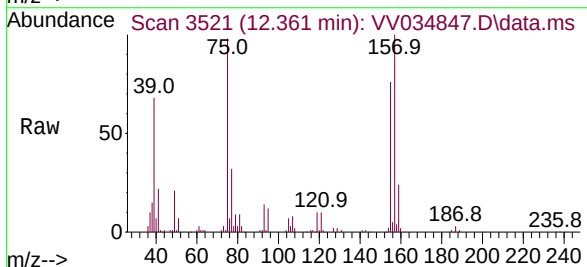
Tgt Ion: 75 Resp: 50563

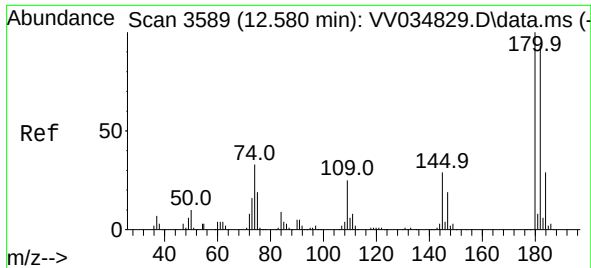
Ion Ratio Lower Upper

75 100

155 77.9 63.0 94.6

157 102.1 81.0 121.4





#69

1,3,5-Trichlorobenzene

Concen: 43.641 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

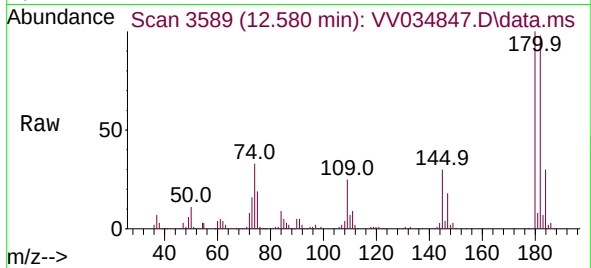
Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 192399

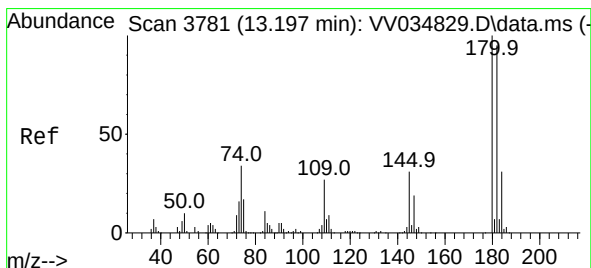
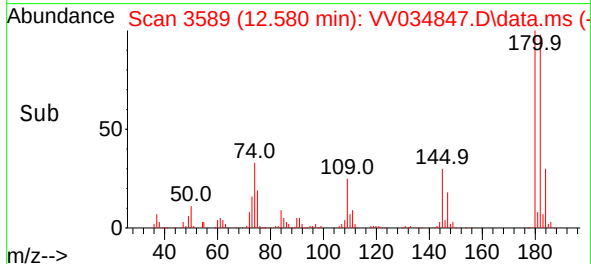
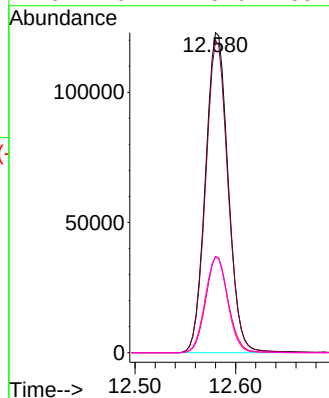
Ion Ratio Lower Upper

180 100

182 96.5 74.7 112.1

184 29.8 24.0 36.0

145 29.7 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 44.366 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. -0.000 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

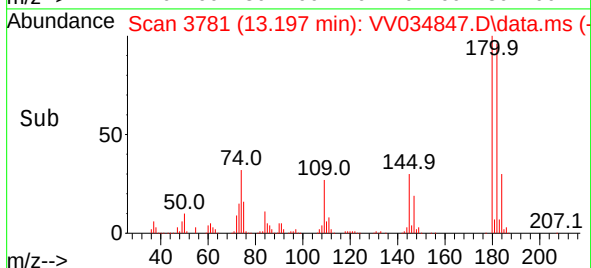
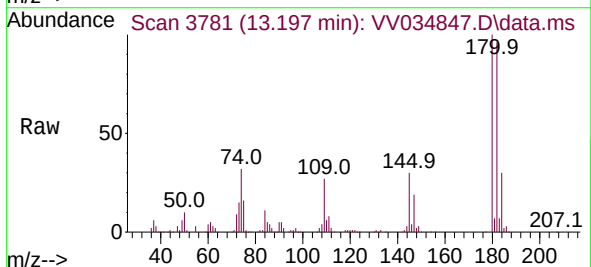
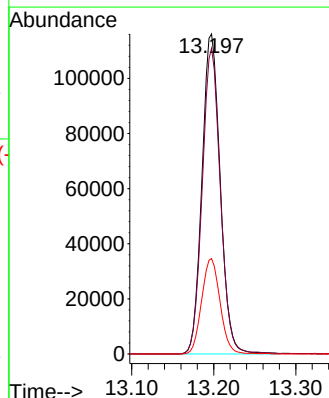
Tgt Ion:180 Resp: 179665

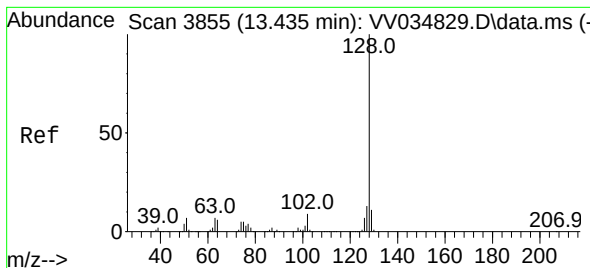
Ion Ratio Lower Upper

180 100

182 94.5 75.6 113.4

145 29.9 24.1 36.1





#71

Naphthalene

Concen: 43.668 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. -0.000 min MSVOA_V

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

Instrument :

MSVOA_V

ClientSampleId :

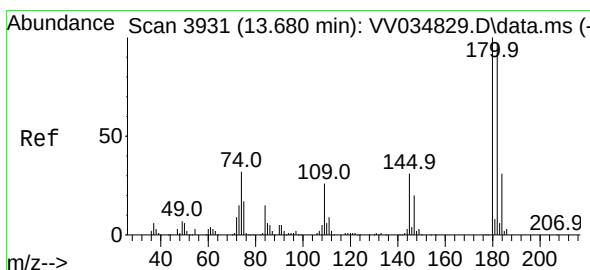
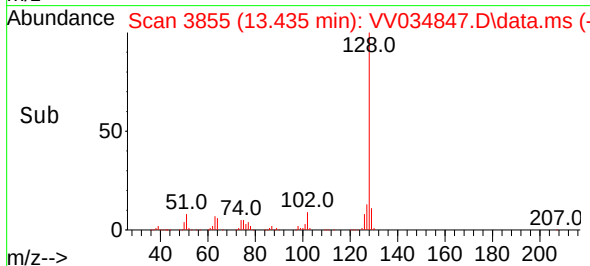
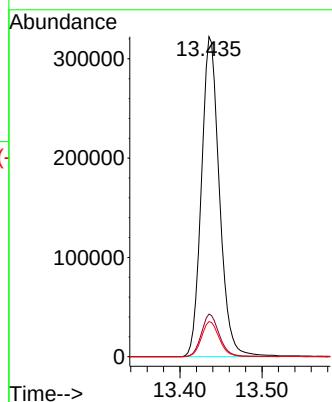
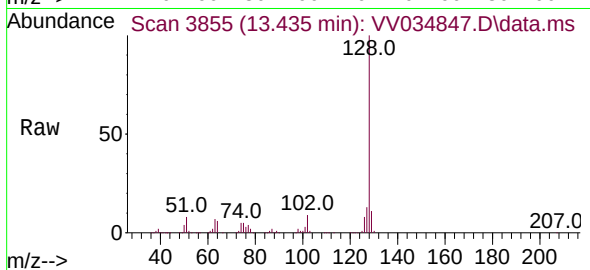
Tgt Ion:128 Resp: 490621

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 46.442 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. -0.003 min

Lab File: VV034847.D

Acq: 26 Mar 2024 23:03

Tgt Ion:180 Resp: 185387

Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.2

145 32.1 25.8 38.6

