

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW030824\
 Data File : VW034530.D
 Acq On : 08 Mar 2024 15:00
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 08 23:21:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 08 23:17:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	263715	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	244419	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	123052	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.275	65	90262	39.482	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.960%
7) Chloroethane-d5	1.523	69	85419	47.960	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.920%
11) 1,1-Dichloroethene-d2	2.053	65	39169	37.885	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.760%
21) 2-Butanone-d5	3.776	46	206416	135.016	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	135.020%#
24) Chloroform-d	4.243	84	211948	52.435	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.860%
26) 1,2-Dichloroethane-d4	4.934	65	149275	56.513	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.020%
32) Benzene-d6	4.953	84	371991	50.428	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.860%
36) 1,2-Dichloropropane-d6	5.985	67	125694	55.834	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.660%
41) Toluene-d8	7.239	98	312716	46.845	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.700%
43) trans-1,3-Dichloroprop...	7.551	79	59959	53.038	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.080%
47) 2-Hexanone-d5	8.021	63	147265	131.001	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	131.000%#
56) 1,1,2,2-Tetrachloroeth...	10.149	84	178731	60.330	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	120.660%#
66) 1,2-Dichlorobenzene-d4	11.557	152	126827	50.424	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.840%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.105	85	103685	37.483	ug/L	98
3) Chloromethane	1.214	50	143595	52.829	ug/L	99
5) Vinyl chloride	1.281	62	118547	44.930	ug/L	99
6) Bromomethane	1.474	94	86149	54.420	ug/L	98
8) Chloroethane	1.542	64	80048	51.044	ug/L	98
9) Trichlorofluoromethane	1.709	101	153202	38.774	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	83439	39.182	ug/L	98
12) 1,1-Dichloroethene	2.066	96	84195	42.637	ug/L	95
13) Acetone	2.108	43	149344	81.258	ug/L	100
14) Carbon disulfide	2.236	76	244037	44.530	ug/L	100
15) Methyl Acetate	2.368	43	155813	66.267	ug/L	99
16) Methylene chloride	2.442	84	122533	58.499	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	93120	48.721	ug/L	96
18) Methyl tert-butyl Ether	2.699	73	421454	61.403	ug/L	100
19) 1,1-Dichloroethane	3.104	63	208546	55.700	ug/L	98
20) cis-1,2-Dichloroethene	3.809	96	114503	55.216	ug/L	100
22) 2-Butanone	3.857	43	195814	107.893	ug/L	100
23) Bromochloromethane	4.143	128	62555	58.336	ug/L	92
25) Chloroform	4.268	83	213096	54.912	ug/L	97

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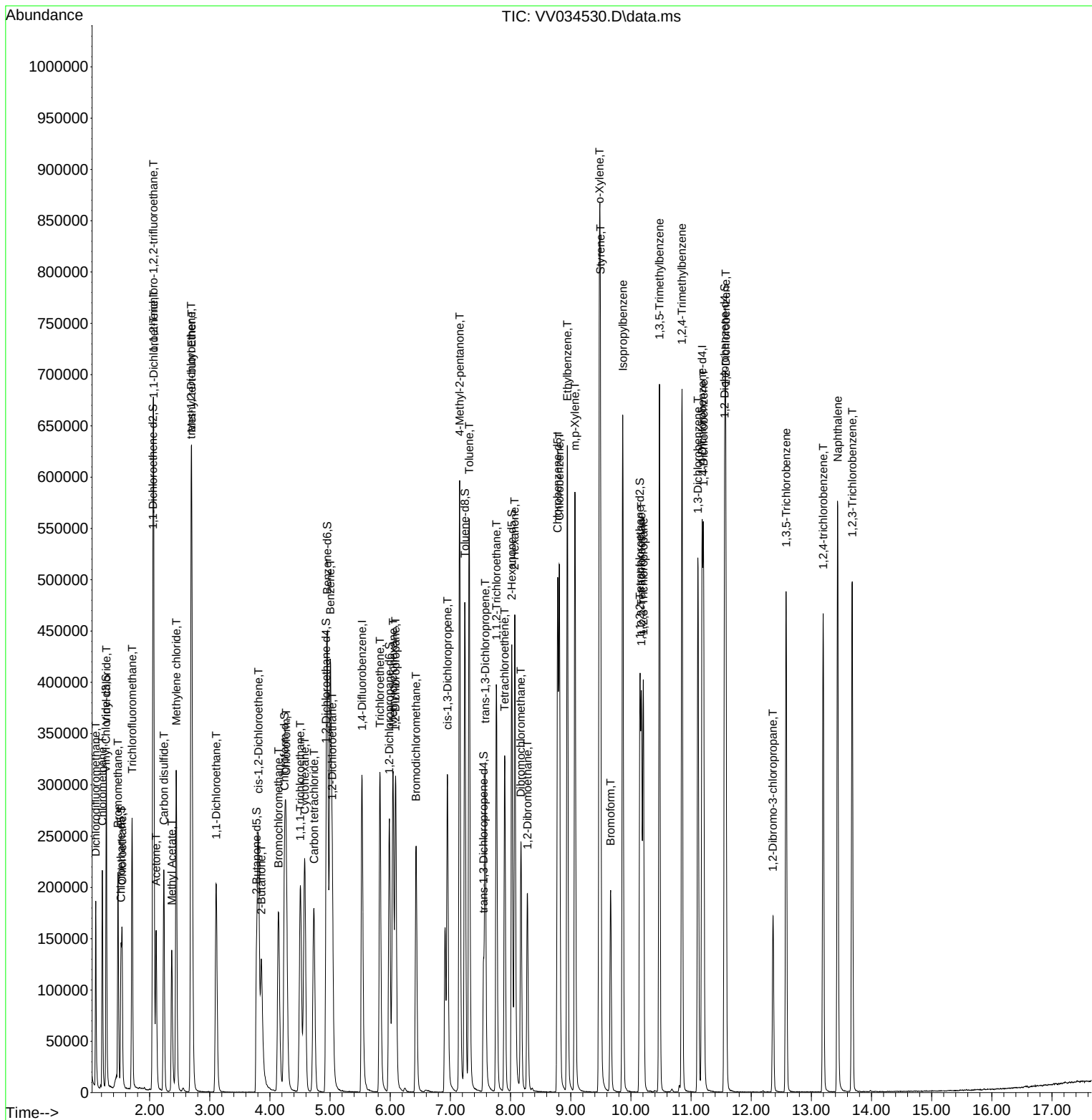
Instrument :
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 ClientSampleId :

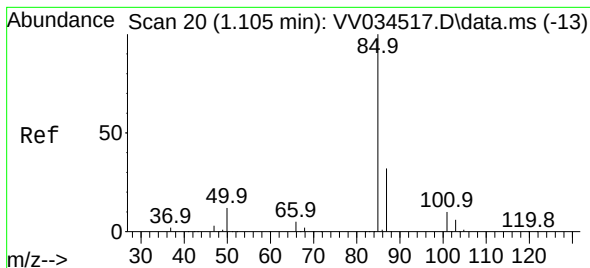
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 Quant Title : VOC Analysis
 QLast Update : Fri Mar 08 23:17:44 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	188303	59.723	ug/L	97
29) Cyclohexane	4.577	56	127094	39.533	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	165884	47.329	ug/L	99
31) Carbon tetrachloride	4.731	117	136627	44.029	ug/L	99
33) Benzene	5.005	78	405222	53.412	ug/L	100
34) Trichloroethene	5.828	95	107456	49.827	ug/L	99
35) Methylcyclohexane	6.046	83	130713	39.869	ug/L	99
37) 1,2-Dichloropropane	6.088	63	112520	56.648	ug/L	100
38) Bromodichloromethane	6.429	83	160236	57.351	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	184857	57.442	ug/L	98
40) 4-Methyl-2-pentanone	7.153	43	387514	132.307	ug/L	100
42) Toluene	7.313	91	402755	50.160	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	175892	56.829	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	117867	61.501	ug/L	99
46) Tetrachloroethene	7.902	164	71105	44.335	ug/L	98
48) 2-Hexanone	8.069	43	287170	123.044	ug/L	99
49) Dibromochloromethane	8.172	129	119448	59.062	ug/L	99
50) 1,2-Dibromoethane	8.281	107	122937	60.450	ug/L	99
51) Chlorobenzene	8.812	112	258988	49.893	ug/L	99
52) Ethylbenzene	8.943	91	428019	47.574	ug/L	100
53) m,p-Xylene	9.072	106	159850	46.821	ug/L	98
54) o-Xylene	9.477	106	164212	49.119	ug/L	98
55) Styrene	9.493	104	291122	51.431	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	174148	60.499	ug/L	99
59) Bromoform	9.664	173	83301	61.058	ug/L	99
60) Isopropylbenzene	9.866	105	416868	47.900	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	152513	64.929	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	349120	47.556	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	355935	49.022	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	200437	49.812	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	199688	48.868	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	210083	52.103	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	44094	63.018	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	141444	46.857	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	134077	49.362	ug/L	97
71) Naphthalene	13.438	128	436412	60.065	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	141378	53.355	ug/L	100

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

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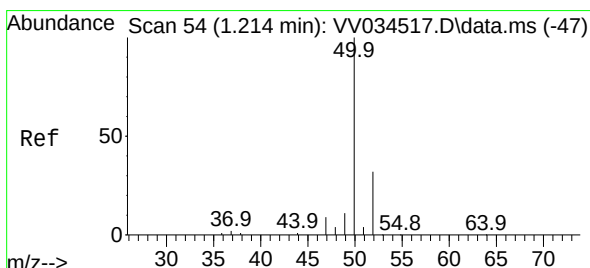
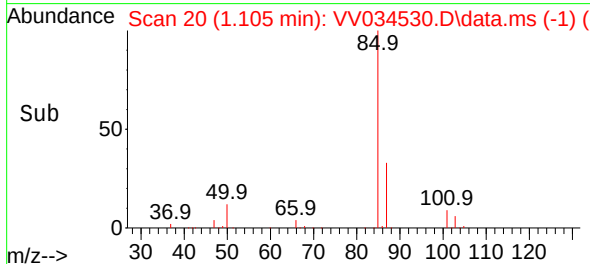
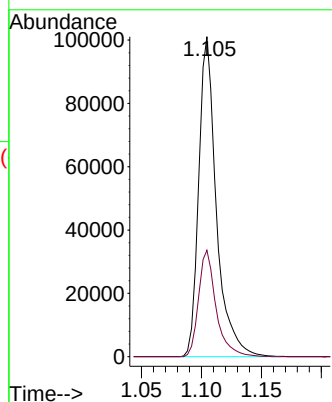
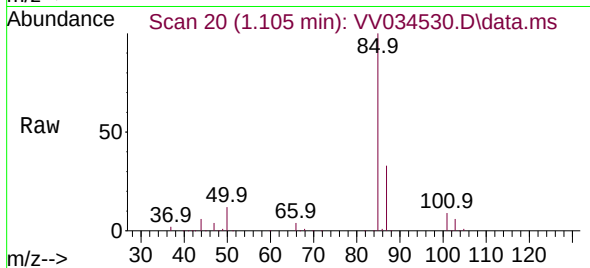




#2
 Dichlorodifluoromethane
 Concen: 37.483 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV034530.D
 Acq: 08 Mar 2024 15:00

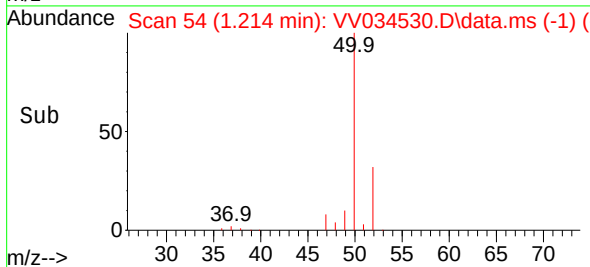
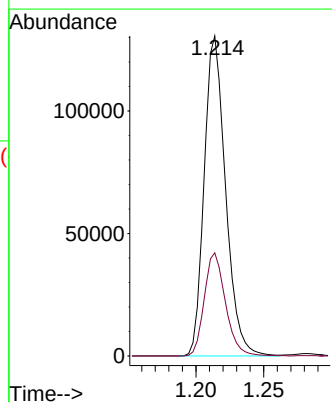
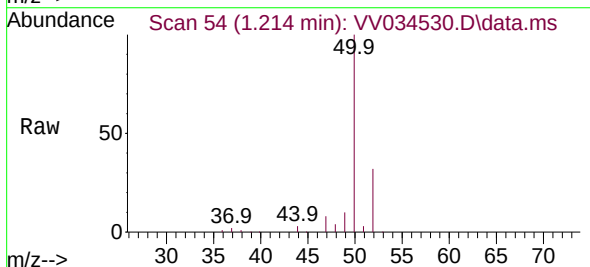
Instrument :
 MSVOA_V
 ClientSampleId :

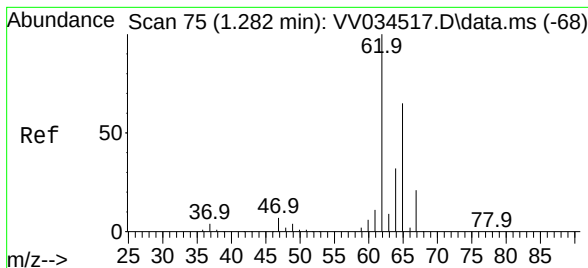
Tgt Ion: 85 Resp: 103685
 Ion Ratio Lower Upper
 85 100
 87 33.0 25.5 38.3



#3
 Chloromethane
 Concen: 52.829 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV034530.D
 Acq: 08 Mar 2024 15:00

Tgt Ion: 50 Resp: 143595
 Ion Ratio Lower Upper
 50 100
 52 32.3 23.0 42.8

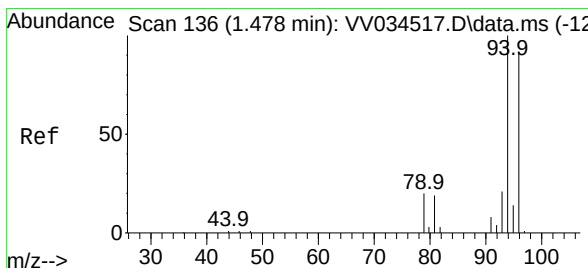
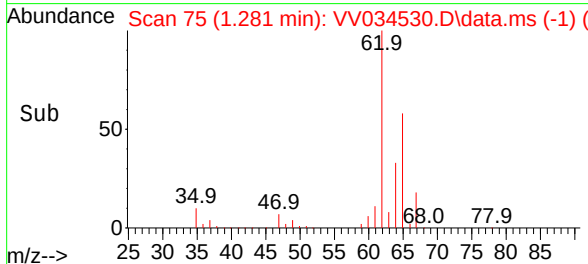
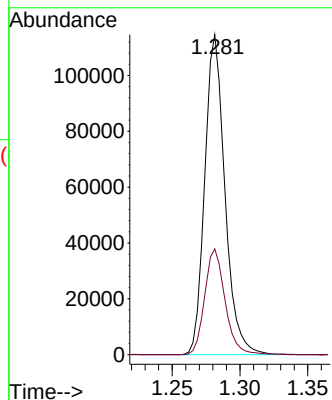
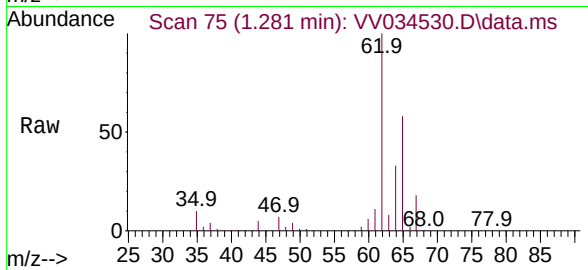




#5
 Vinyl chloride
 Concen: 44.930 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV034530.D
 Acq: 08 Mar 2024 15:00

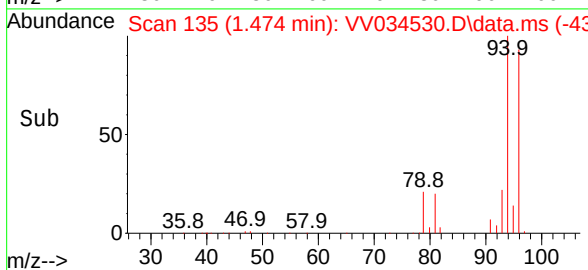
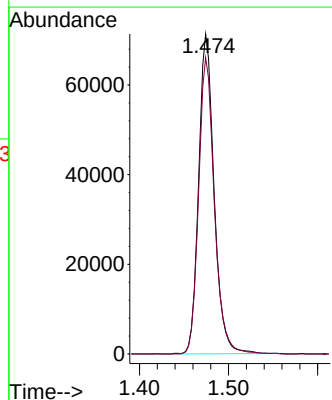
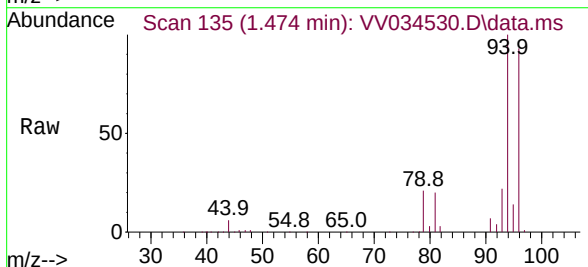
Instrument :
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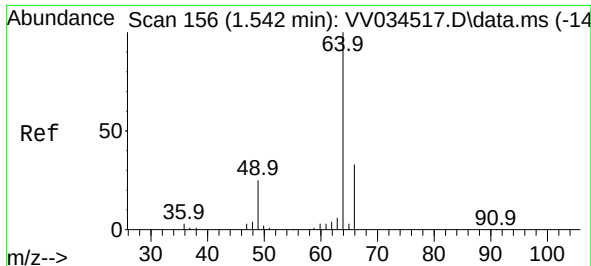
Tgt Ion: 62 Resp: 118547
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.4 43.6



#6
 Bromomethane
 Concen: 54.420 ug/L
 RT: 1.474 min Scan# 135
 Delta R.T. -0.003 min
 Lab File: VV034530.D
 Acq: 08 Mar 2024 15:00

Tgt Ion: 94 Resp: 86149
 Ion Ratio Lower Upper
 94 100
 96 92.6 66.0 122.6

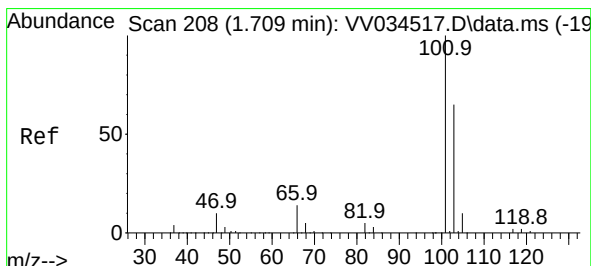
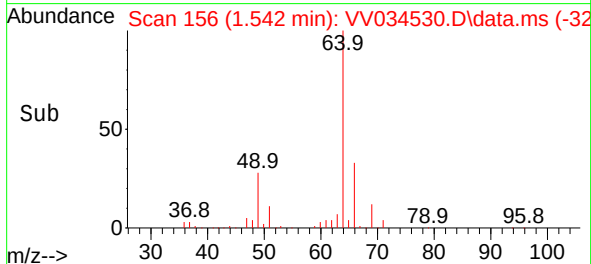
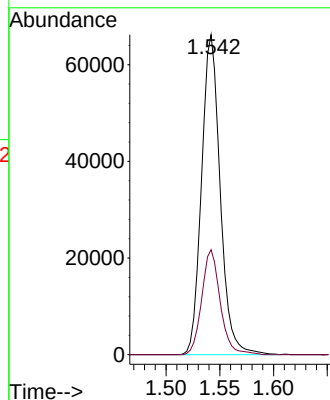
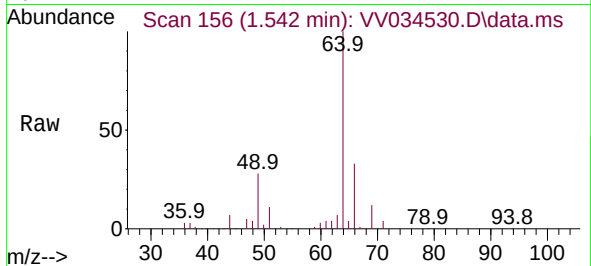




#8
Chloroethane
Concen: 51.044 ug/L
RT: 1.542 min Scan# 156
Delta R.T. -0.000 min
Lab File: VV034530.D
Acq: 08 Mar 2024 15:00

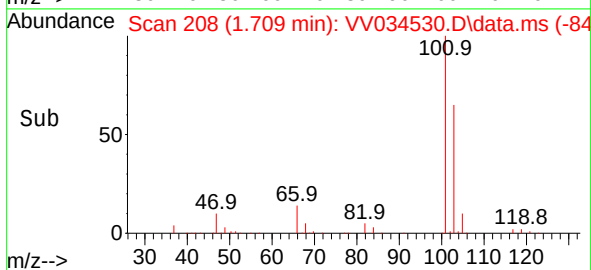
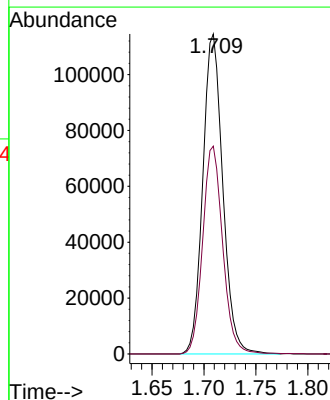
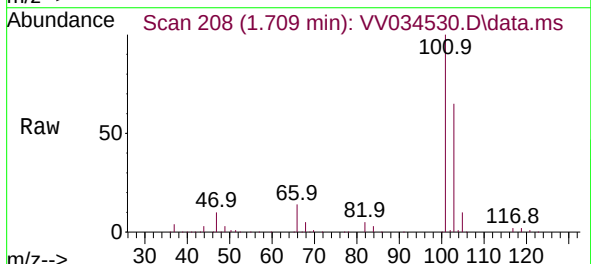
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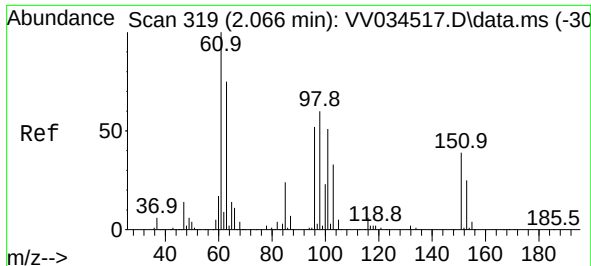
Tgt Ion: 64 Resp: 80048
Ion Ratio Lower Upper
64 100
66 32.8 22.0 40.8



#9
Trichlorofluoromethane
Concen: 38.774 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.000 min
Lab File: VV034530.D
Acq: 08 Mar 2024 15:00

Tgt Ion:101 Resp: 153202
Ion Ratio Lower Upper
101 100
103 64.9 51.8 77.8

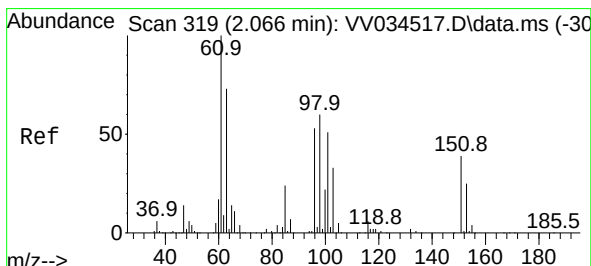
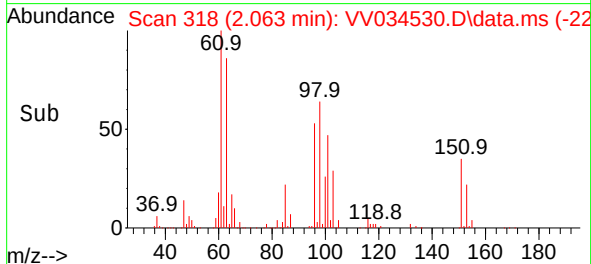
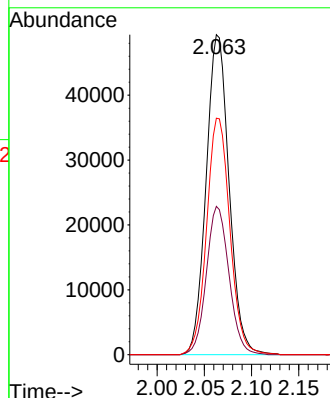
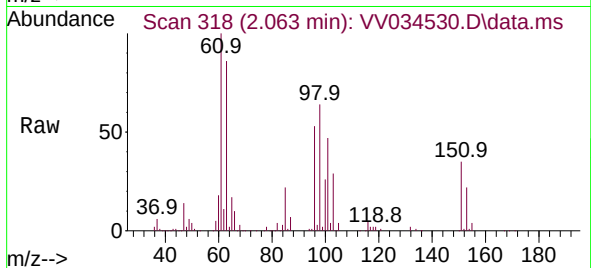




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 39.182 ug/L
 RT: 2.063 min Scan# 318
 Delta R.T. -0.003 min
 Lab File: VV034530.D
 Acq: 08 Mar 2024 15:00

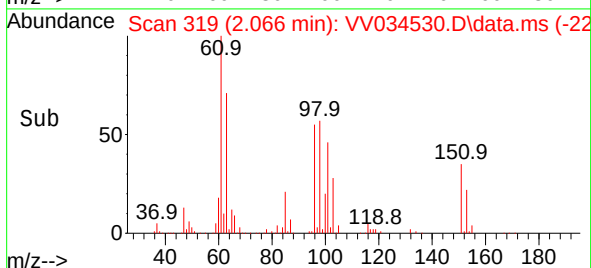
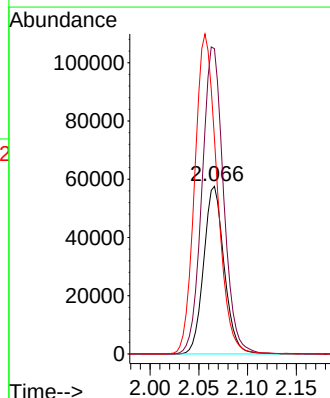
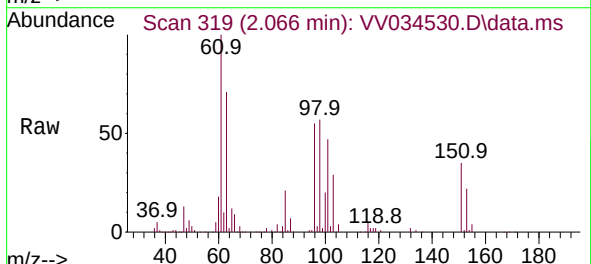
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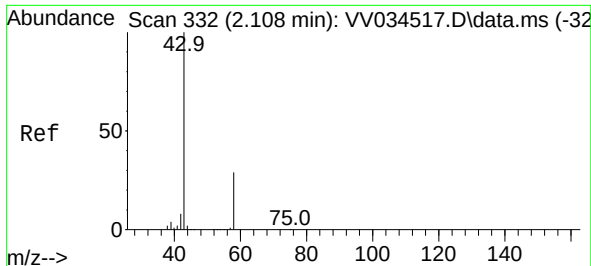
Tgt Ion:101 Resp: 83439
 Ion Ratio Lower Upper
 101 100
 85 45.6 37.4 56.0
 151 75.0 61.4 92.2



#12
 1,1-Dichloroethene
 Concen: 42.637 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.000 min
 Lab File: VV034530.D
 Acq: 08 Mar 2024 15:00

Tgt Ion: 96 Resp: 84195
 Ion Ratio Lower Upper
 96 100
 61 182.1 128.9 239.3
 63 128.6 98.0 182.0





#13

Acetone

Concen: 81.258 ug/L

RT: 2.108 min Scan# 332

Delta R.T. -0.000 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

Instrument :

MSVOA_V

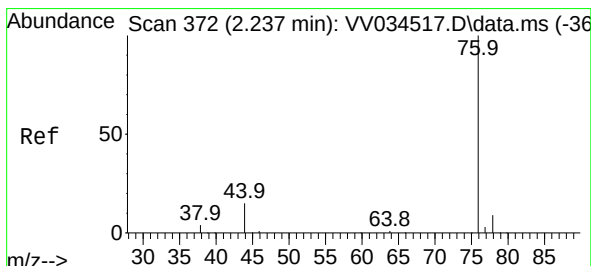
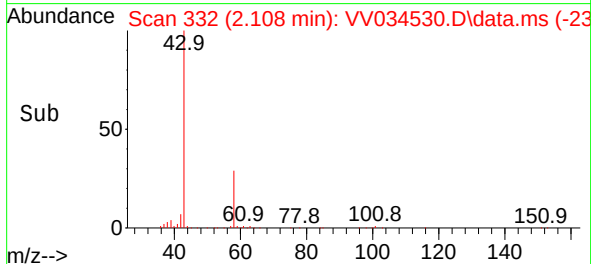
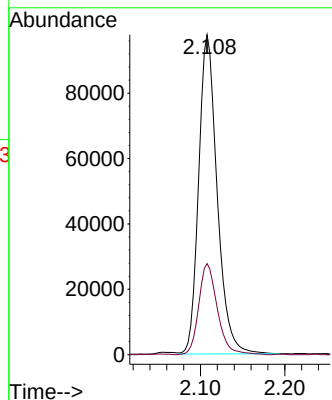
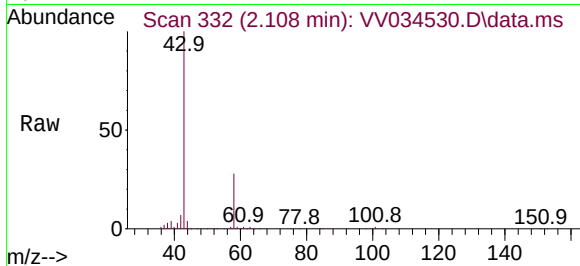
ClientSampleId :

Tgt Ion: 43 Resp: 149344

Ion Ratio Lower Upper

43 100

58 28.7 0.0 57.2



#14

Carbon disulfide

Concen: 44.530 ug/L

RT: 2.236 min Scan# 372

Delta R.T. -0.000 min

Lab File: VV034530.D

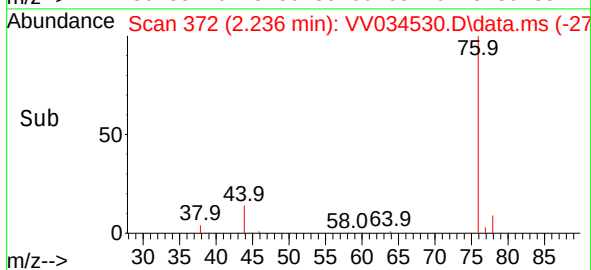
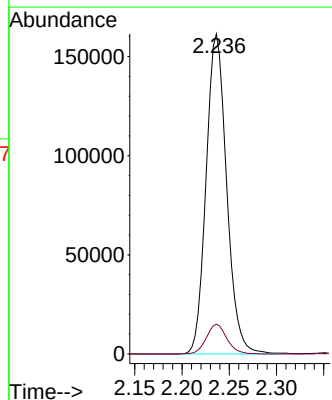
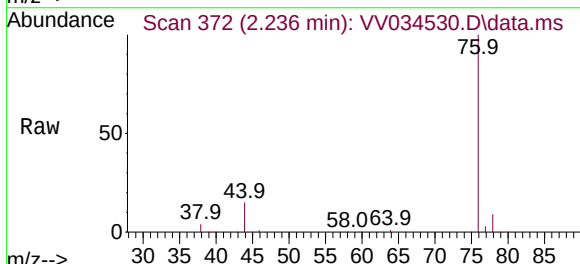
Acq: 08 Mar 2024 15:00

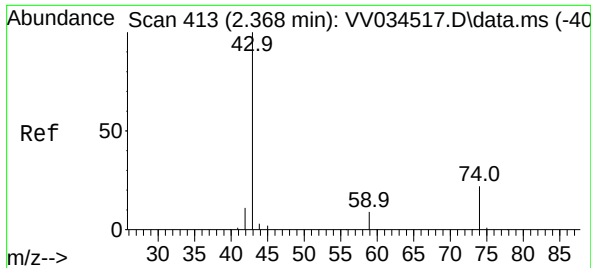
Tgt Ion: 76 Resp: 244037

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

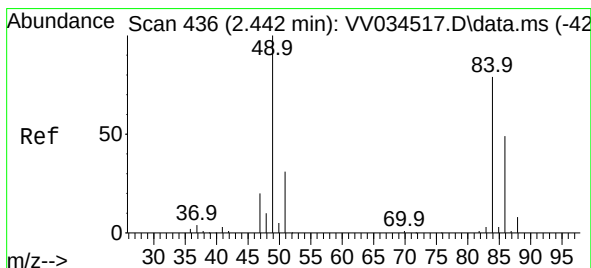
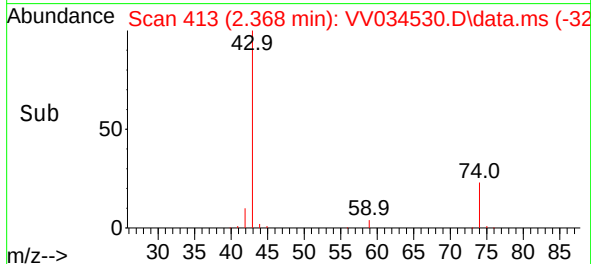
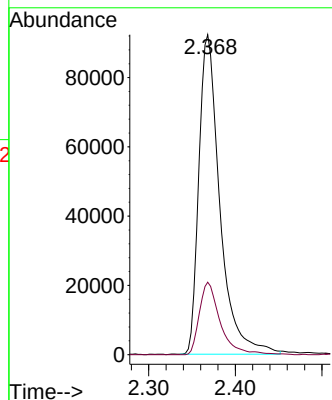
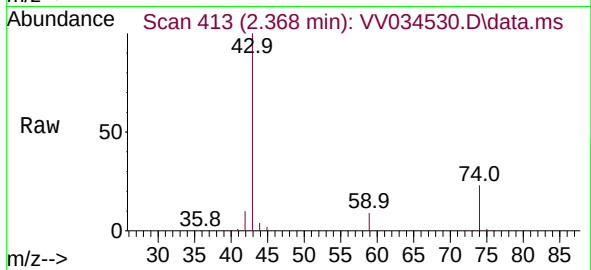




#15
Methyl Acetate
Concen: 66.267 ug/L
RT: 2.368 min Scan# 413
Delta R.T. -0.000 min
Lab File: VV034530.D
Acq: 08 Mar 2024 15:00

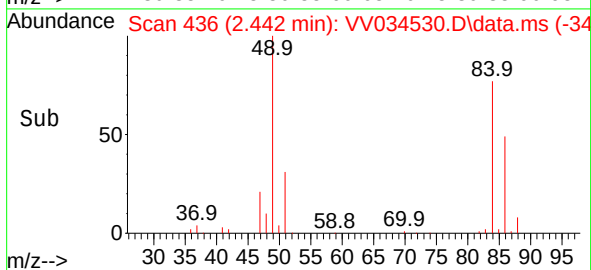
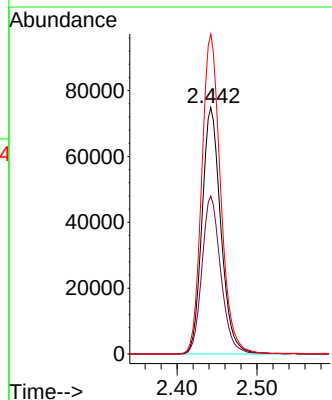
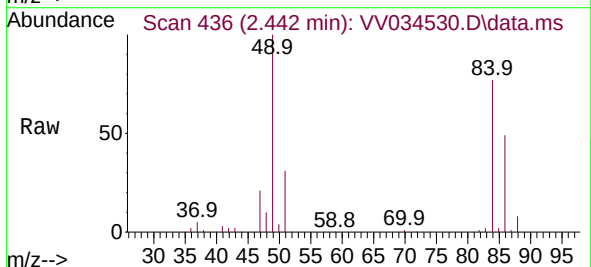
Instrument :
MSVOA_V
ClientSampleId :

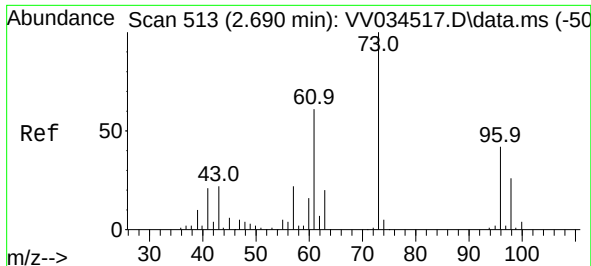
Tgt Ion: 43 Resp: 155813
Ion Ratio Lower Upper
43 100
74 21.8 17.8 26.8



#16
Methylene chloride
Concen: 58.499 ug/L
RT: 2.442 min Scan# 436
Delta R.T. -0.000 min
Lab File: VV034530.D
Acq: 08 Mar 2024 15:00

Tgt Ion: 84 Resp: 122533
Ion Ratio Lower Upper
84 100
86 64.1 45.6 84.6
49 129.9 92.3 171.3





#17

trans-1,2-Dichloroethene

Concen: 48.721 ug/L

RT: 2.690 min Scan# 513

Delta R.T. -0.000 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

Instrument :

MSVOA_V

ClientSampleId :

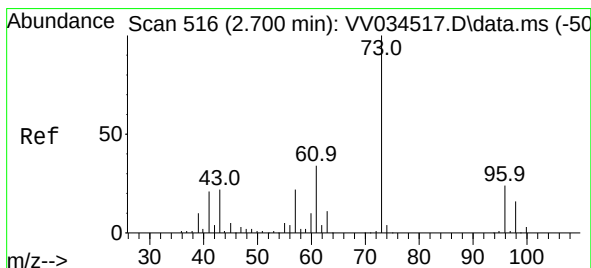
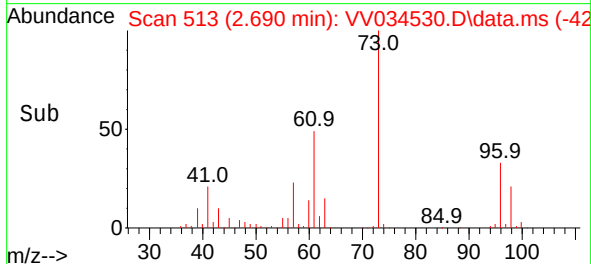
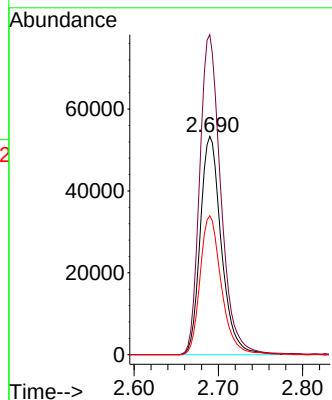
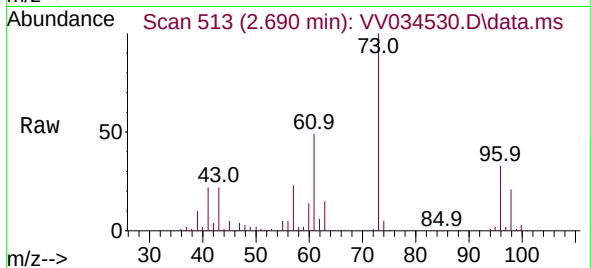
Tgt Ion: 96 Resp: 93120

Ion Ratio Lower Upper

96 100

61 146.6 98.8 183.4

98 63.6 46.1 85.5



#18

Methyl tert-butyl Ether

Concen: 61.403 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.000 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

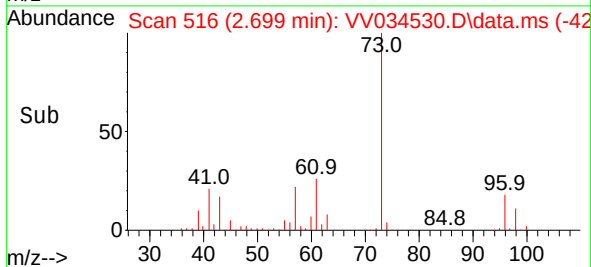
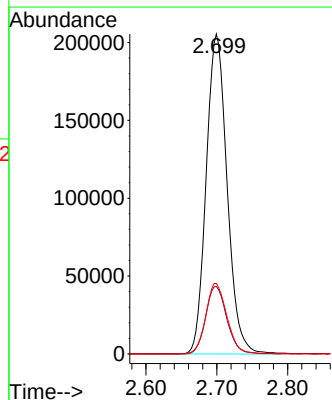
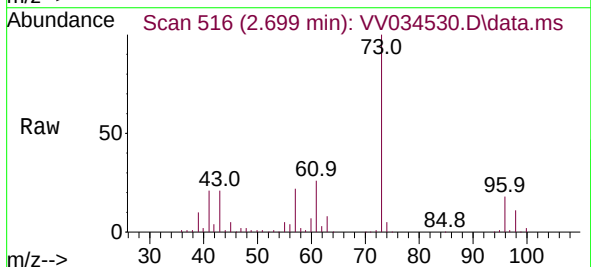
Tgt Ion: 73 Resp: 421454

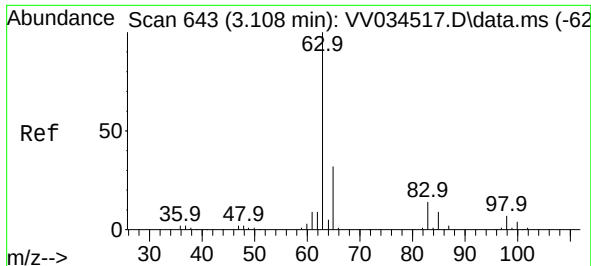
Ion Ratio Lower Upper

73 100

43 21.1 17.1 25.7

57 22.1 17.6 26.4





#19

1,1-Dichloroethane

Concen: 55.700 ug/L

RT: 3.104 min Scan# 643

Delta R.T. -0.003 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

Instrument :

MSVOA_V

ClientSampleId :

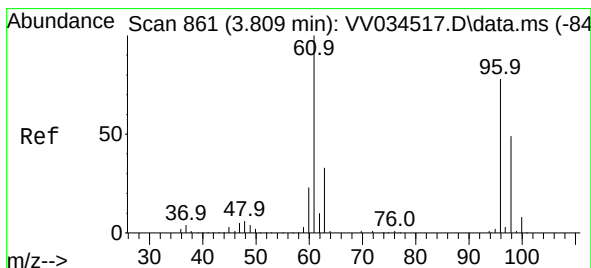
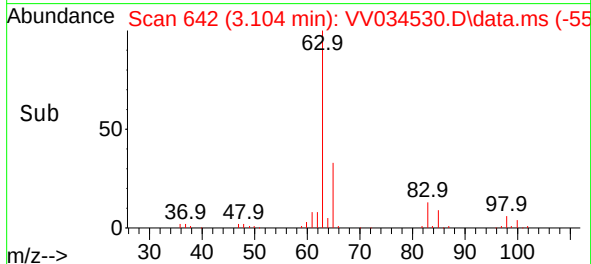
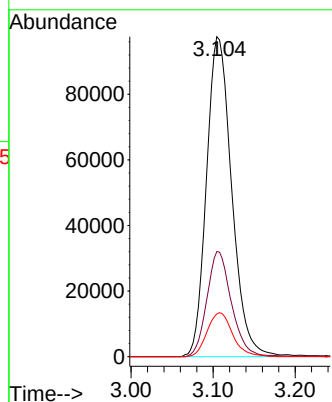
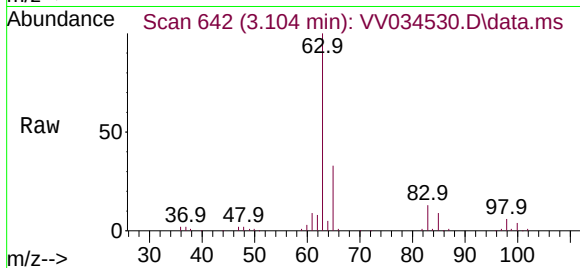
Tgt Ion: 63 Resp: 208546

Ion Ratio Lower Upper

63 100

65 32.8 22.1 41.1

83 13.3 9.9 18.3



#20

cis-1,2-Dichloroethene

Concen: 55.216 ug/L

RT: 3.809 min Scan# 861

Delta R.T. -0.000 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

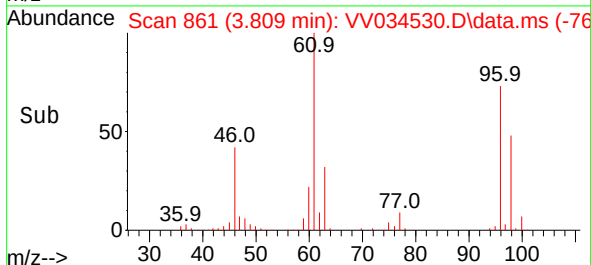
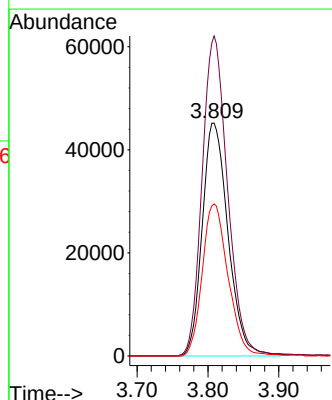
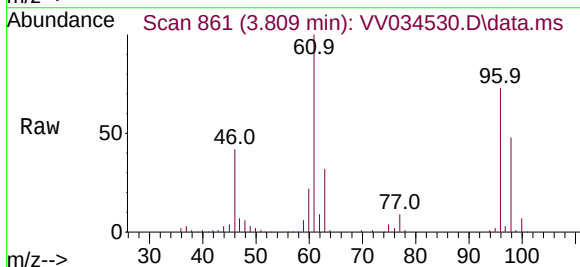
Tgt Ion: 96 Resp: 114503

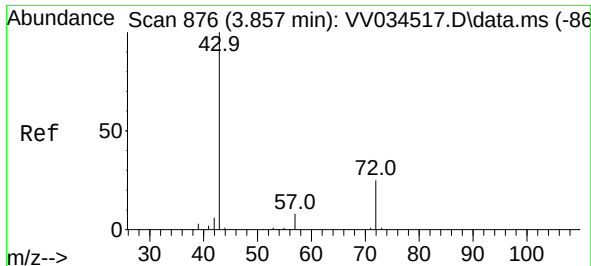
Ion Ratio Lower Upper

96 100

61 137.4 96.0 178.4

98 65.4 46.0 85.4

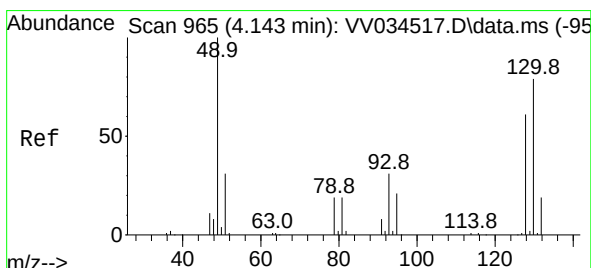
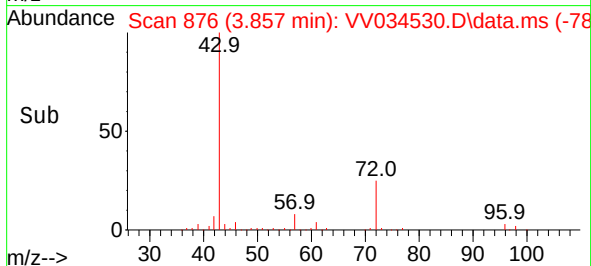
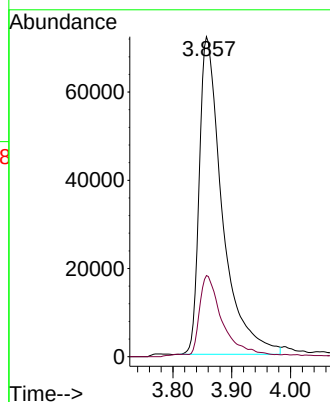
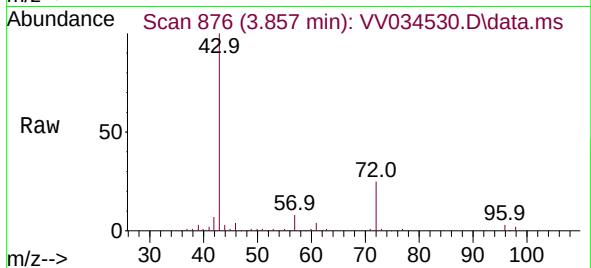




#22
2-Butanone
Concen: 107.893 ug/L
RT: 3.857 min Scan# 876
Delta R.T. -0.000 min
Lab File: VV034530.D
Acq: 08 Mar 2024 15:00

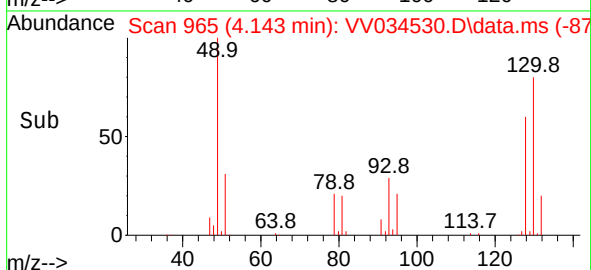
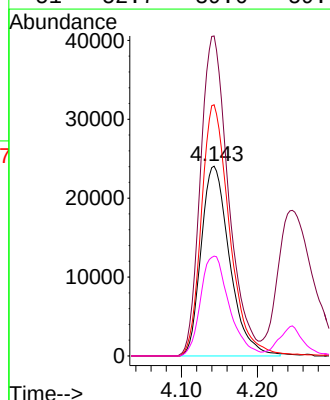
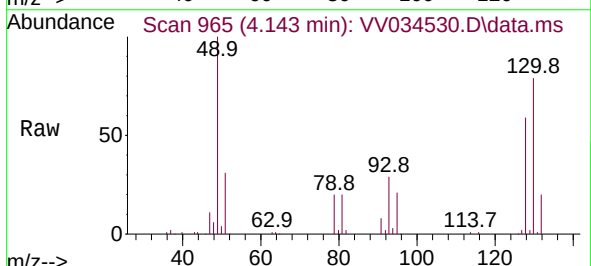
Instrument :
MSVOA_V
ClientSampleId :

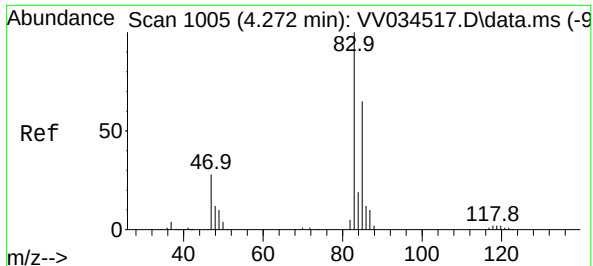
Tgt Ion: 43 Resp: 195814
Ion Ratio Lower Upper
43 100
72 22.7 11.5 34.4



#23
Bromochloromethane
Concen: 58.336 ug/L
RT: 4.143 min Scan# 965
Delta R.T. -0.000 min
Lab File: VV034530.D
Acq: 08 Mar 2024 15:00

Tgt Ion:128 Resp: 62555
Ion Ratio Lower Upper
128 100
49 168.7 109.4 203.2
130 132.4 87.7 162.9
51 52.7 39.6 59.4





#25

Chloroform

Concen: 54.912 ug/L

RT: 4.268 min Scan# 1005

Delta R.T. -0.003 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

Instrument :

MSVOA_V

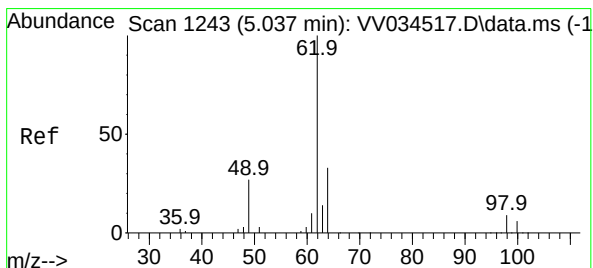
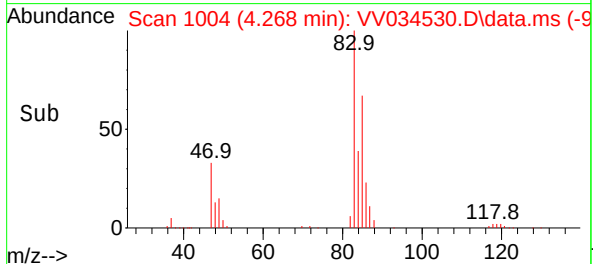
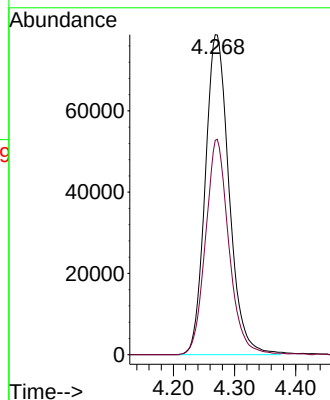
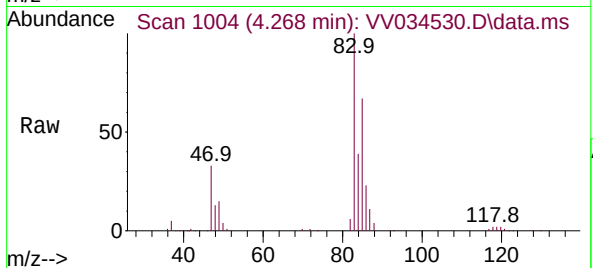
ClientSampleId :

Tgt Ion: 83 Resp: 213096

Ion Ratio Lower Upper

83 100

85 67.0 45.5 84.5



#27

1,2-Dichloroethane

Concen: 59.723 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VV034530.D

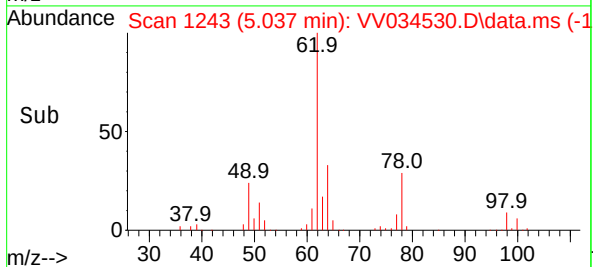
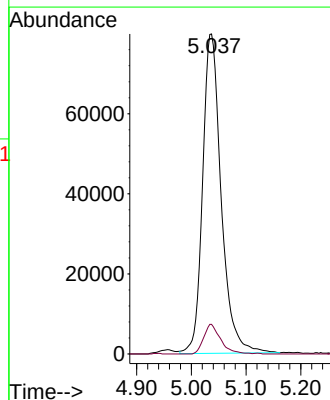
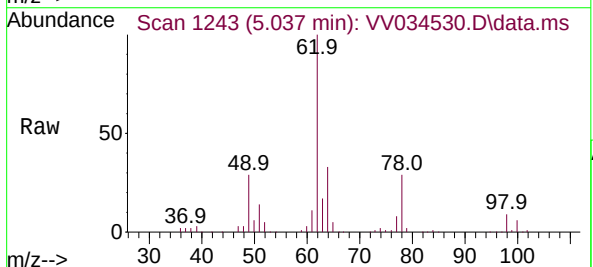
Acq: 08 Mar 2024 15:00

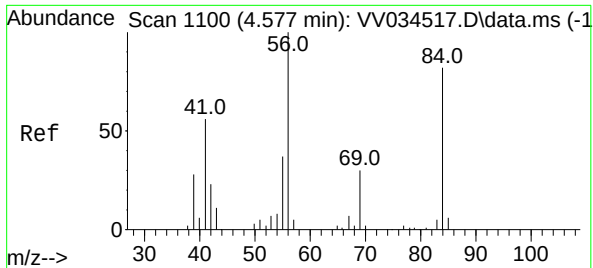
Tgt Ion: 62 Resp: 188303

Ion Ratio Lower Upper

62 100

98 9.3 6.6 10.0





#29

Cyclohexane

Concen: 39.533 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. -0.000 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

Instrument :

MSVOA_V

ClientSampleId :

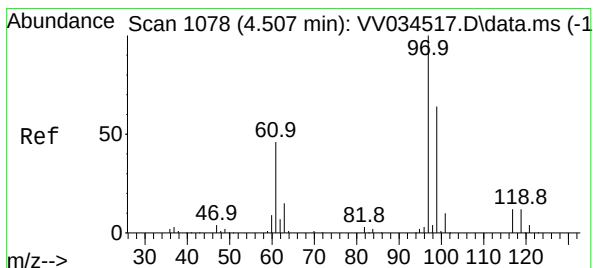
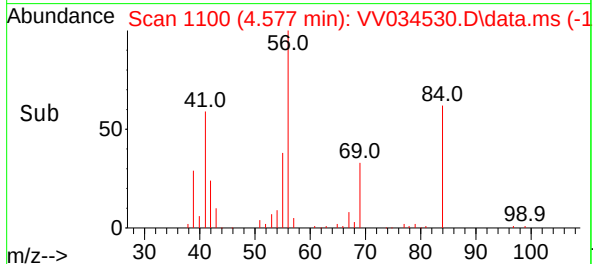
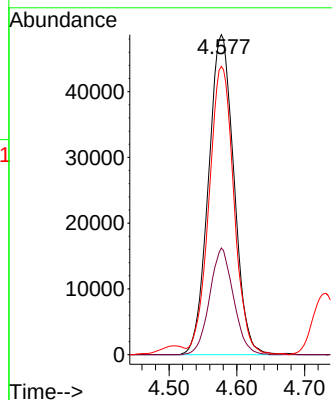
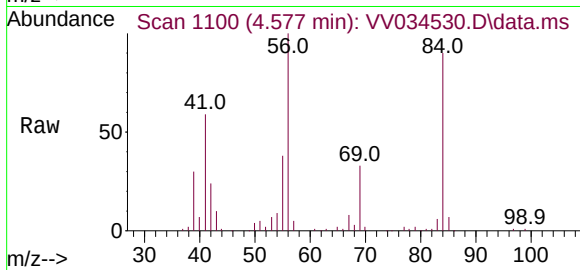
Tgt Ion: 56 Resp: 127094

Ion Ratio Lower Upper

56 100

69 31.1 24.2 36.4

84 88.1 70.5 105.7



#30

1,1,1-Trichloroethane

Concen: 47.329 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

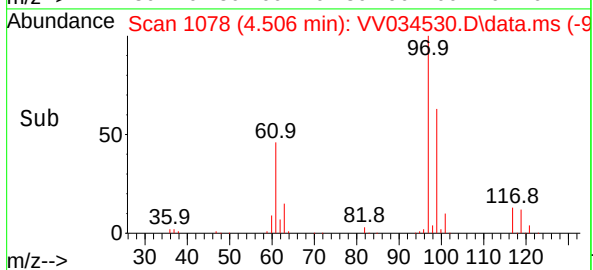
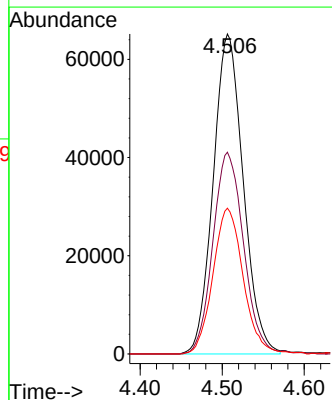
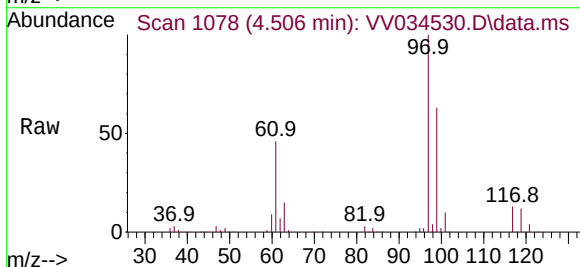
Tgt Ion: 97 Resp: 165884

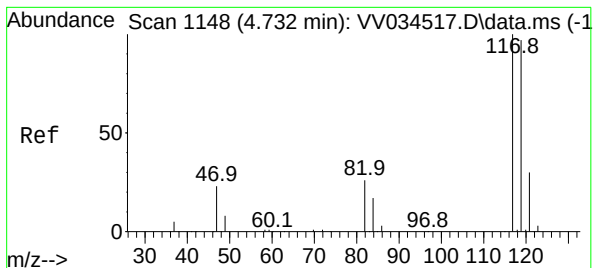
Ion Ratio Lower Upper

97 100

99 64.2 51.3 76.9

61 46.0 36.0 54.0





#31

Carbon tetrachloride

Concen: 44.029 ug/L

RT: 4.731 min Scan# 1148

Delta R.T. -0.000 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

Instrument :

MSVOA_V

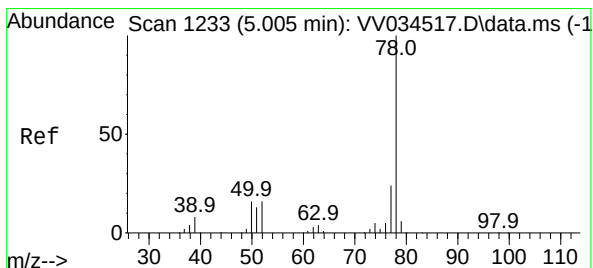
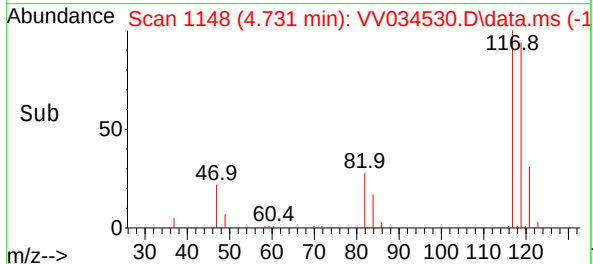
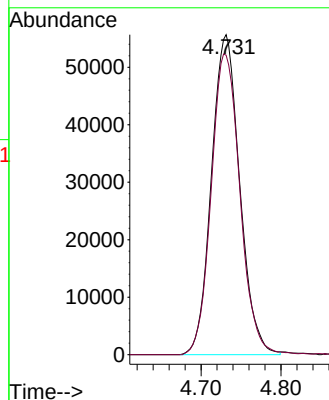
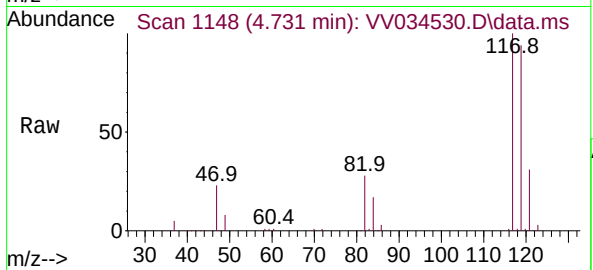
ClientSampleId :

Tgt Ion:117 Resp: 136627

Ion Ratio Lower Upper

117 100

119 95.7 77.5 116.3



#33

Benzene

Concen: 53.412 ug/L

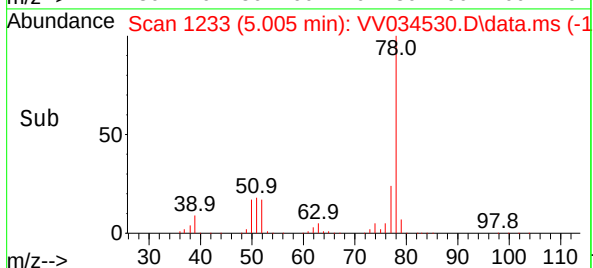
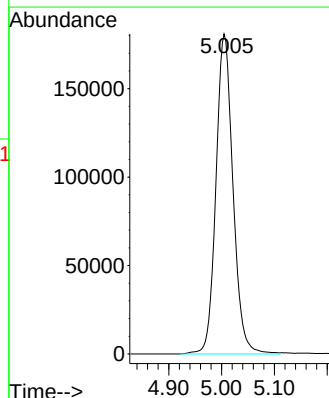
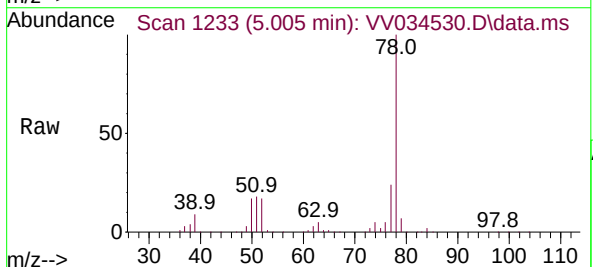
RT: 5.005 min Scan# 1233

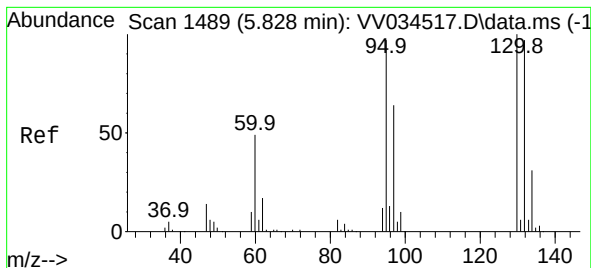
Delta R.T. -0.000 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

Tgt Ion: 78 Resp: 405222





#34

Trichloroethene

Concen: 49.827 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 107456

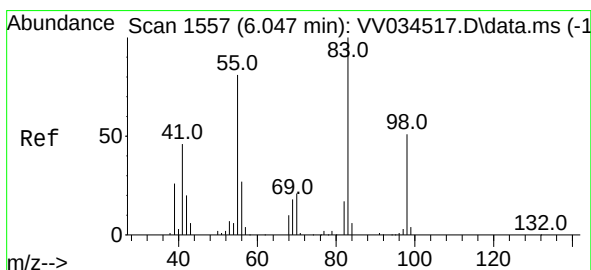
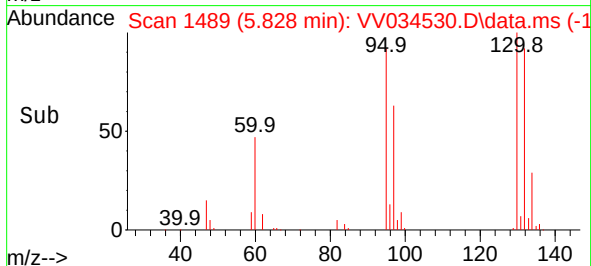
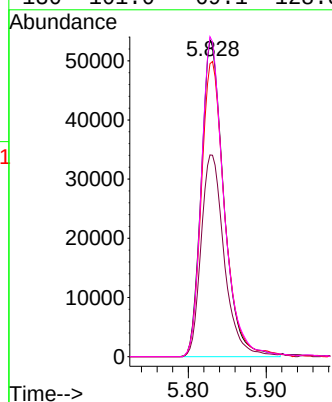
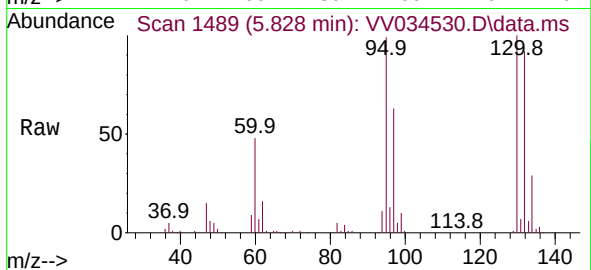
Ion Ratio Lower Upper

95 100

97 63.7 44.7 83.1

132 92.5 65.3 121.3

130 101.0 69.1 128.3



#35

Methylcyclohexane

Concen: 39.869 ug/L

RT: 6.046 min Scan# 1557

Delta R.T. -0.000 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

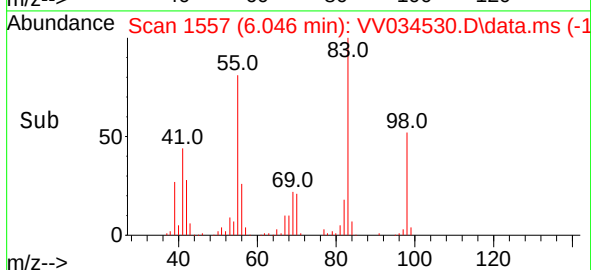
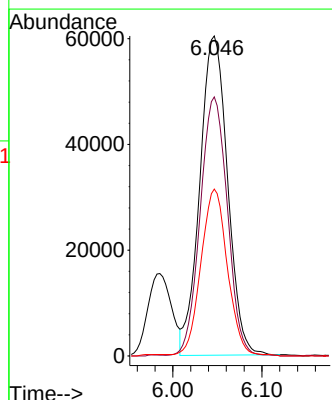
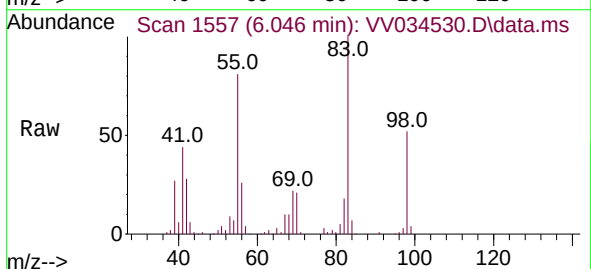
Tgt Ion: 83 Resp: 130713

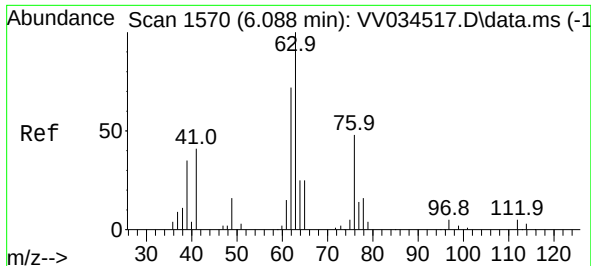
Ion Ratio Lower Upper

83 100

55 79.7 62.6 94.0

98 48.7 39.5 59.3





#37

1,2-Dichloropropane

Concen: 56.648 ug/L

RT: 6.088 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

Instrument :

MSVOA_V

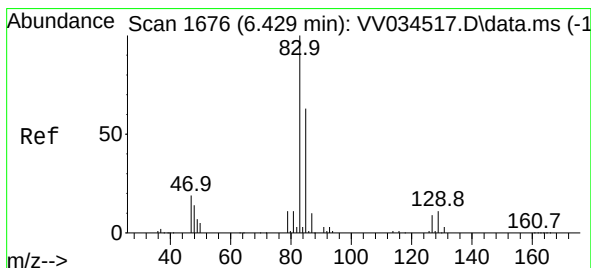
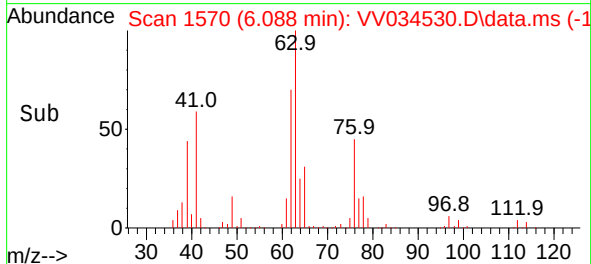
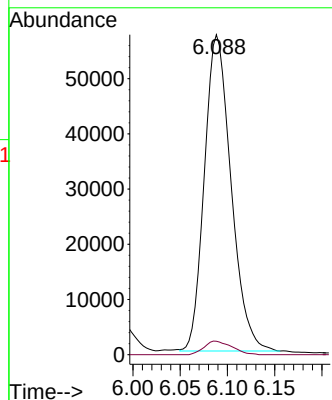
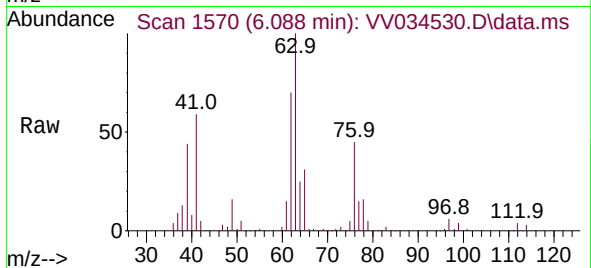
ClientSampleId :

Tgt Ion: 63 Resp: 112520

Ion Ratio Lower Upper

63 100

112 4.5 3.5 5.3



#38

Bromodichloromethane

Concen: 57.351 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

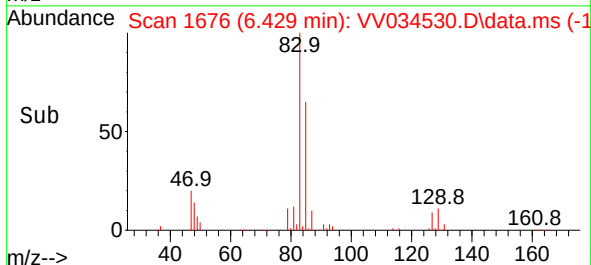
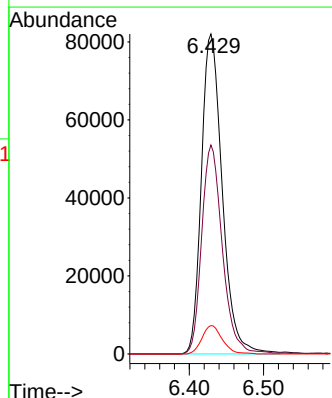
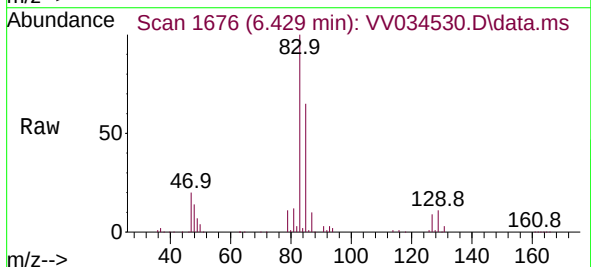
Tgt Ion: 83 Resp: 160236

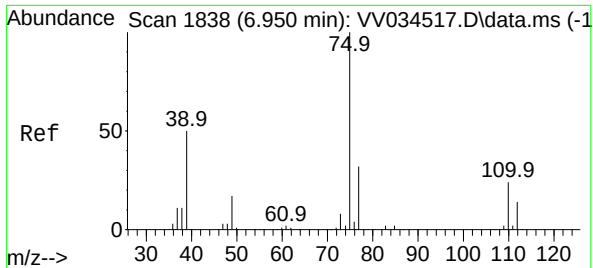
Ion Ratio Lower Upper

83 100

85 65.3 44.6 82.8

127 8.8 6.9 10.3

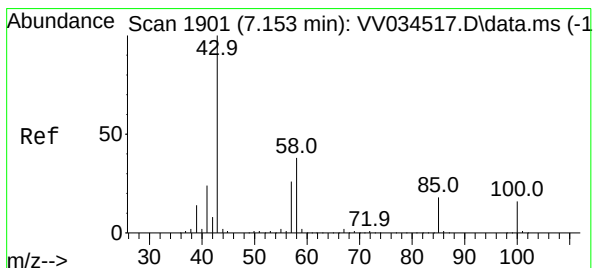
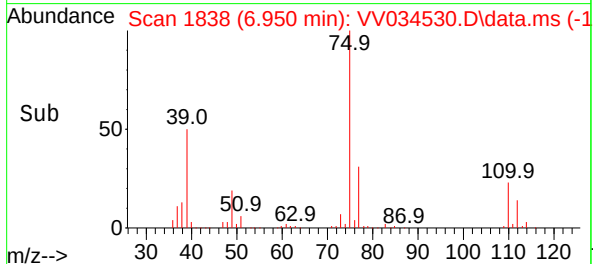
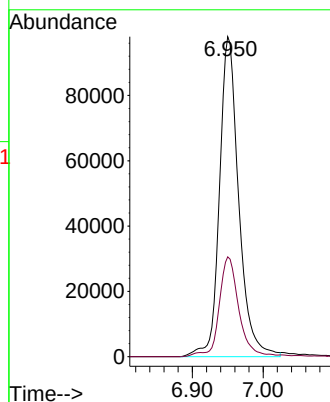
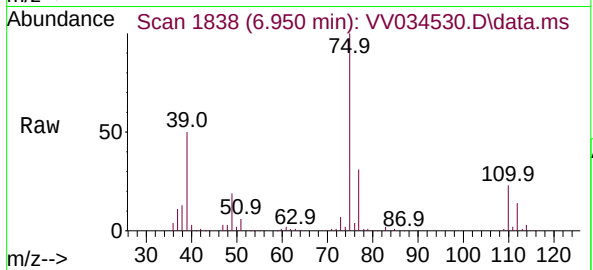




#39
 cis-1,3-Dichloropropene
 Concen: 57.442 ug/L
 RT: 6.950 min Scan# 1838
 Delta R.T. -0.000 min
 Lab File: VV034530.D
 Acq: 08 Mar 2024 15:00

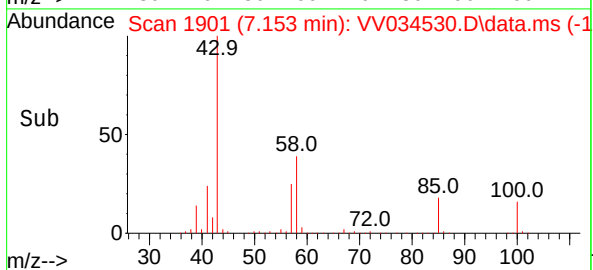
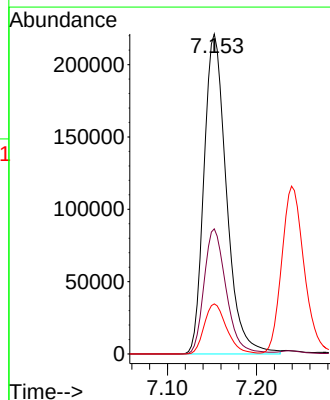
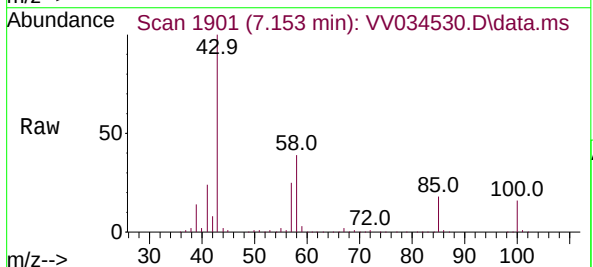
Instrument :
 MSVOA_V
 ClientSampleId :

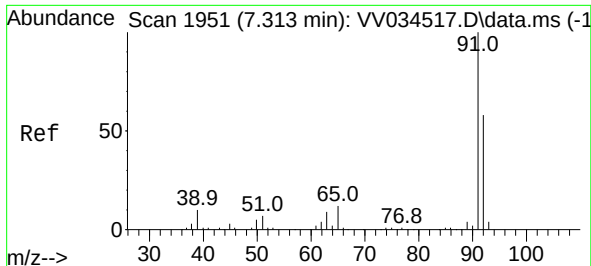
Tgt Ion: 75 Resp: 184857
 Ion Ratio Lower Upper
 75 100
 77 31.2 20.9 38.9



#40
 4-Methyl-2-pentanone
 Concen: 132.307 ug/L
 RT: 7.153 min Scan# 1901
 Delta R.T. -0.000 min
 Lab File: VV034530.D
 Acq: 08 Mar 2024 15:00

Tgt Ion: 43 Resp: 387514
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.6 46.0
 100 15.6 12.5 18.7

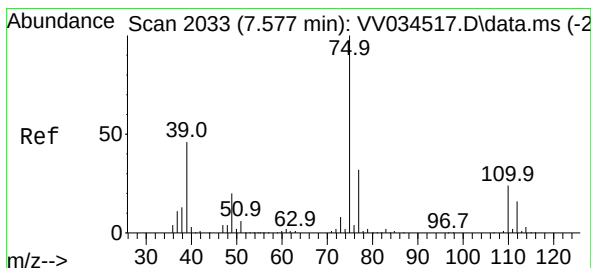
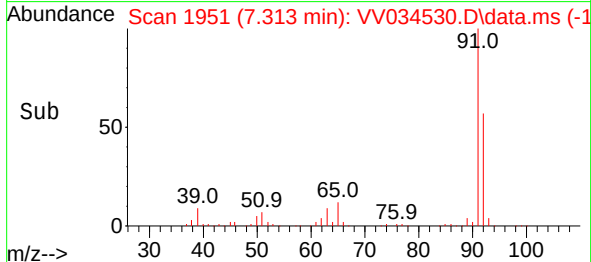
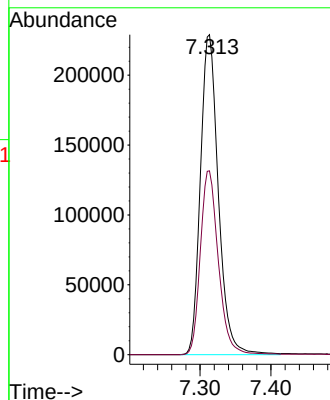
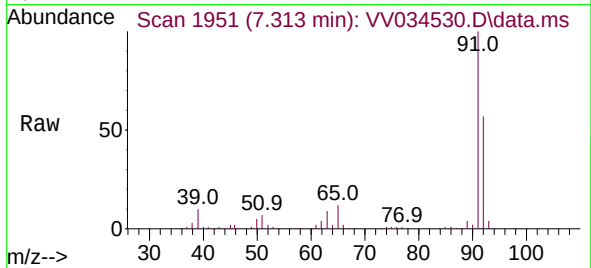




#42
Toluene
Concen: 50.160 ug/L
RT: 7.313 min Scan# 1951
Delta R.T. -0.000 min
Lab File: VV034530.D
Acq: 08 Mar 2024 15:00

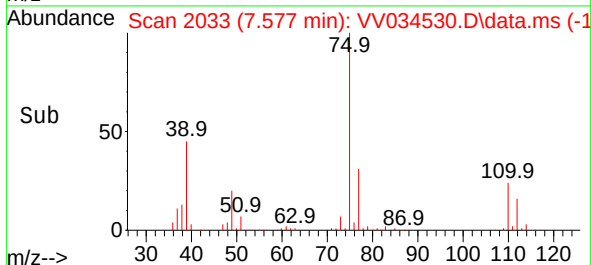
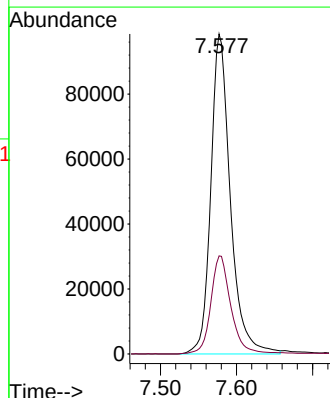
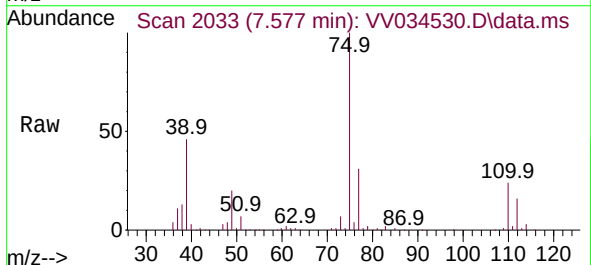
Instrument :
MSVOA_V
ClientSampleId :

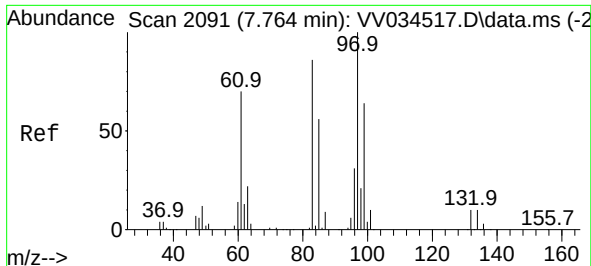
Tgt Ion: 91 Resp: 402755
Ion Ratio Lower Upper
91 100
92 57.5 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 56.829 ug/L
RT: 7.577 min Scan# 2033
Delta R.T. -0.000 min
Lab File: VV034530.D
Acq: 08 Mar 2024 15:00

Tgt Ion: 75 Resp: 175892
Ion Ratio Lower Upper
75 100
77 30.7 21.8 40.4



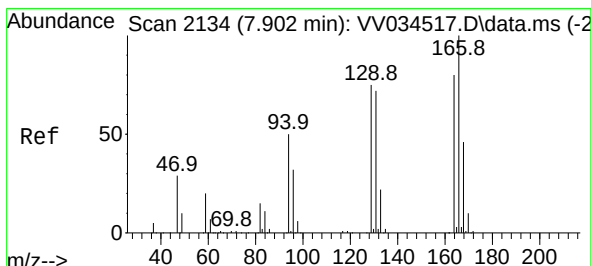
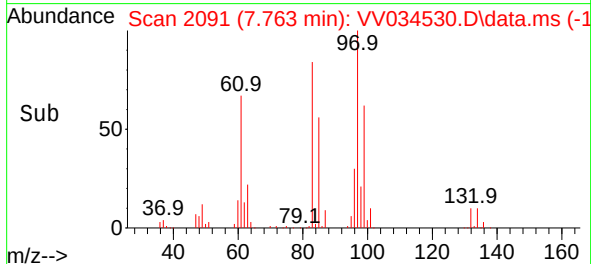
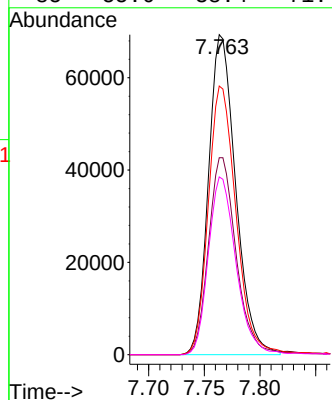
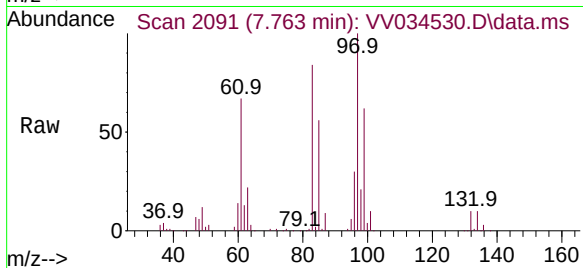


#45
1,1,2-Trichloroethane
Concen: 61.501 ug/L
RT: 7.763 min Scan# 2091
Delta R.T. -0.000 min
Lab File: VV034530.D
Acq: 08 Mar 2024 15:00

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 117867

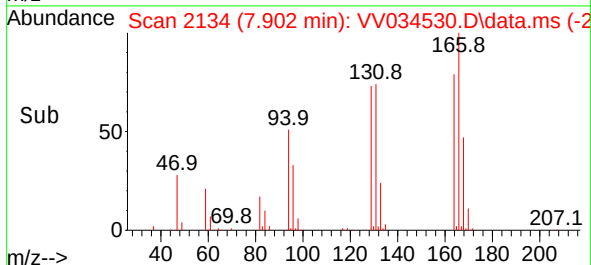
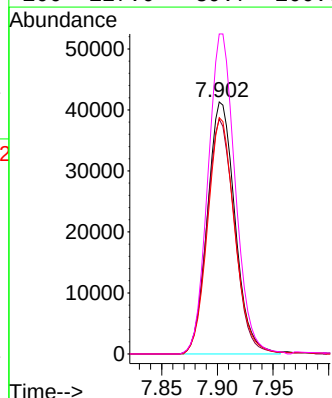
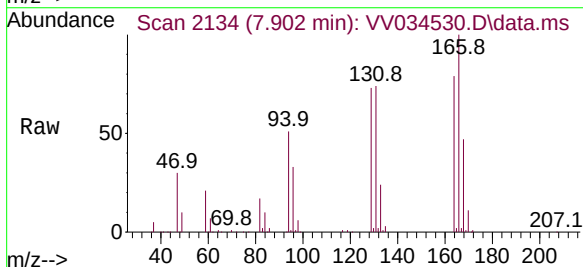
Ion	Ratio	Lower	Upper
97	100		
99	61.5	43.8	81.4
83	84.0	59.4	110.2
85	55.6	38.4	71.4

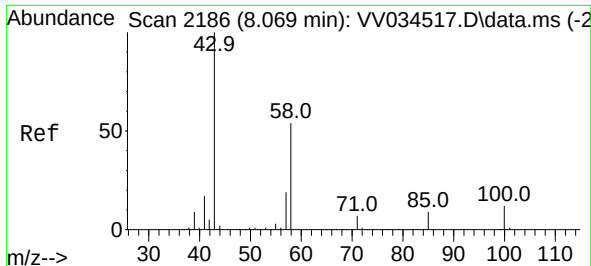


#46
Tetrachloroethene
Concen: 44.335 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. -0.000 min
Lab File: VV034530.D
Acq: 08 Mar 2024 15:00

Tgt Ion: 164 Resp: 71105

Ion	Ratio	Lower	Upper
164	100		
129	93.2	65.7	121.9
131	93.8	62.2	115.6
166	127.0	89.7	166.7





#48

2-Hexanone

Concen: 123.044 ug/L

RT: 8.069 min Scan# 2186

Delta R.T. -0.000 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 287170

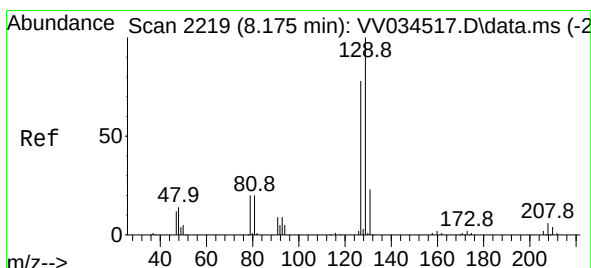
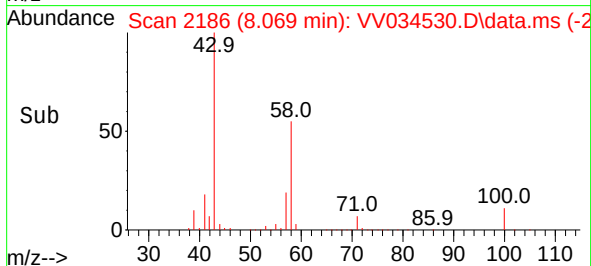
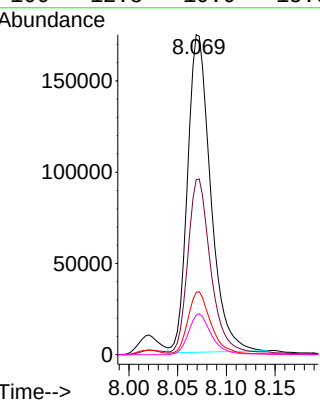
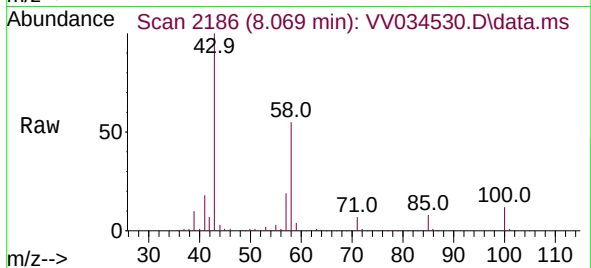
Ion Ratio Lower Upper

43 100

58 53.6 42.0 63.0

57 19.5 15.2 22.8

100 12.8 10.0 15.0



#49

Dibromochloromethane

Concen: 59.062 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. -0.003 min

Lab File: VV034530.D

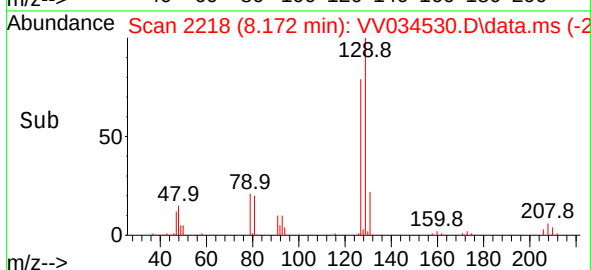
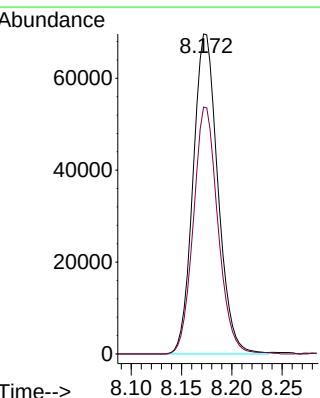
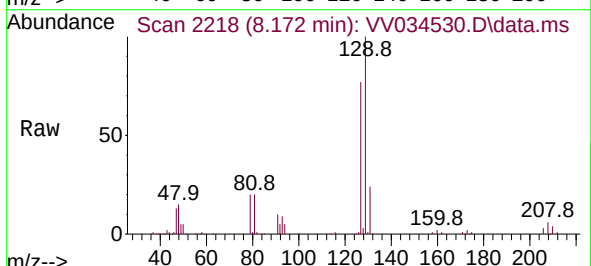
Acq: 08 Mar 2024 15:00

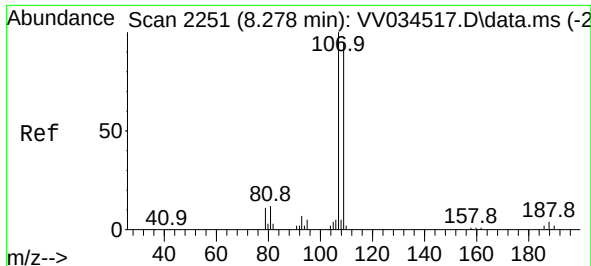
Tgt Ion: 129 Resp: 119448

Ion Ratio Lower Upper

129 100

127 77.2 53.3 98.9





#50

1,2-Dibromoethane

Concen: 60.450 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

Instrument :

MSVOA_V

ClientSampleId :

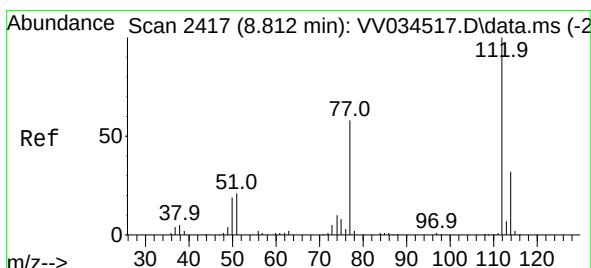
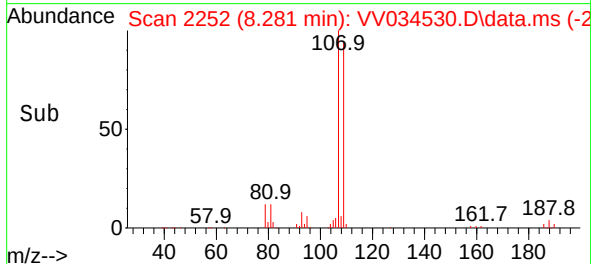
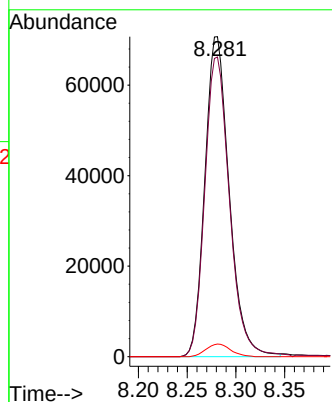
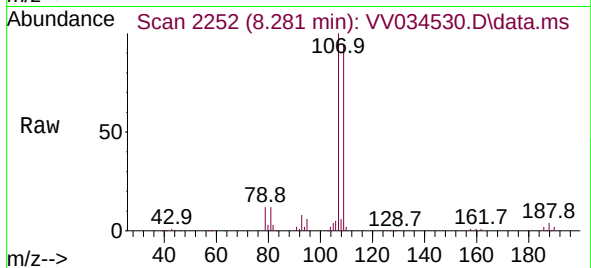
Tgt Ion:107 Resp: 122937

Ion Ratio Lower Upper

107 100

109 93.7 66.5 123.5

188 4.1 3.4 5.2



#51

Chlorobenzene

Concen: 49.893 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. -0.000 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

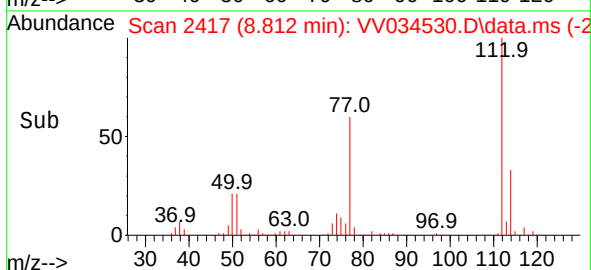
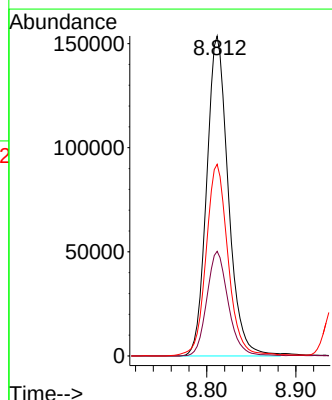
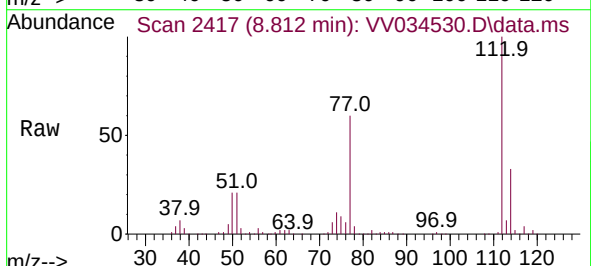
Tgt Ion:112 Resp: 258988

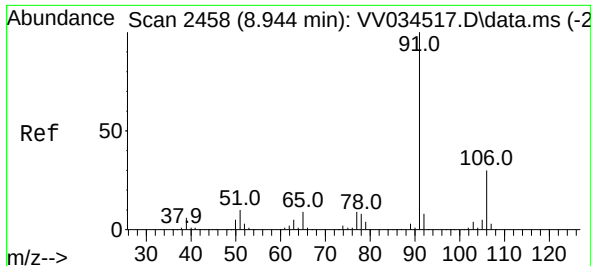
Ion Ratio Lower Upper

112 100

114 32.7 22.3 41.5

77 59.9 47.7 71.5





#52

Ethylbenzene

Concen: 47.574 ug/L

RT: 8.943 min Scan# 2458

Delta R.T. -0.000 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

Instrument :

MSVOA_V

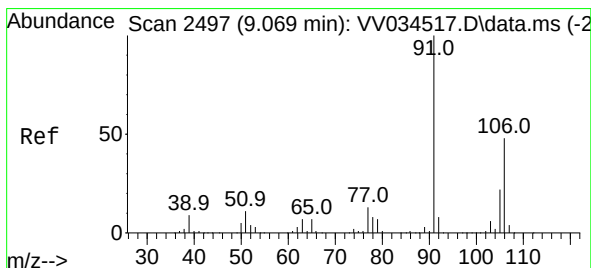
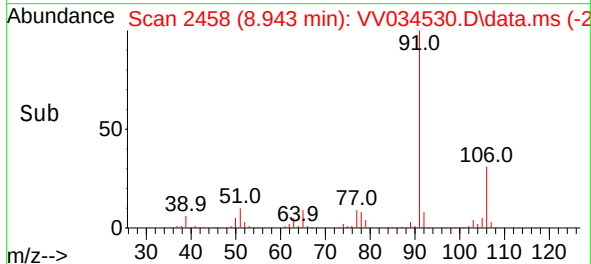
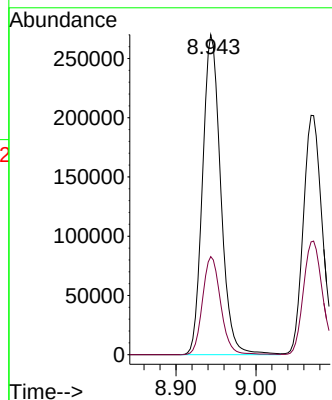
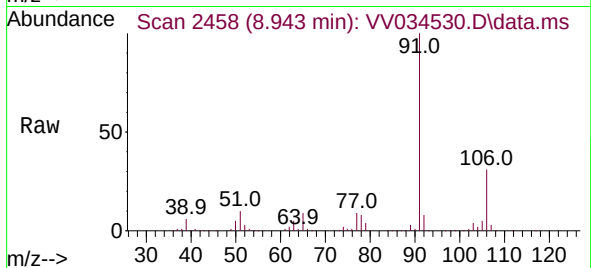
ClientSampleId :

Tgt Ion: 91 Resp: 428019

Ion Ratio Lower Upper

91 100

106 30.6 21.3 39.5



#53

m,p-Xylene

Concen: 46.821 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.003 min

Lab File: VV034530.D

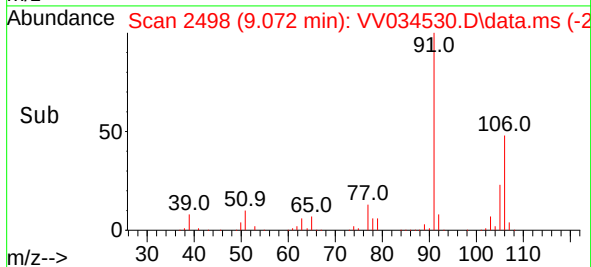
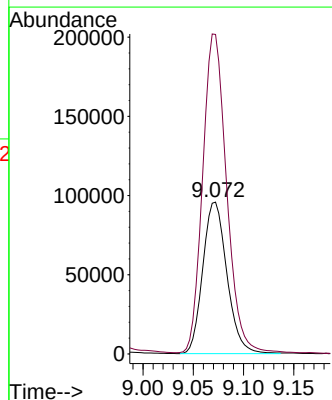
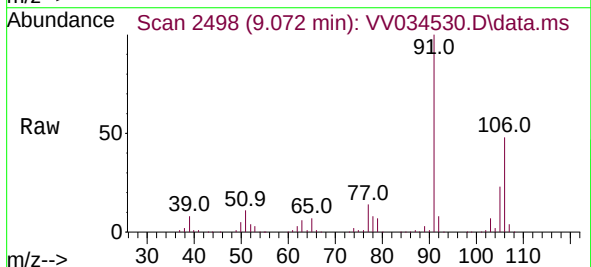
Acq: 08 Mar 2024 15:00

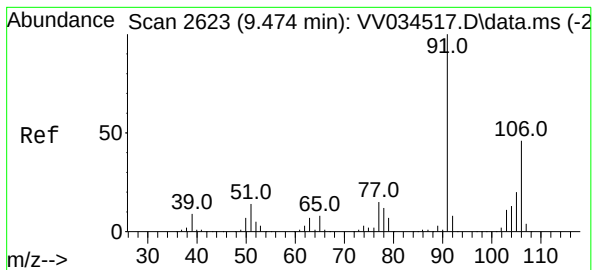
Tgt Ion:106 Resp: 159850

Ion Ratio Lower Upper

106 100

91 210.4 145.3 269.9





#54

o-Xylene

Concen: 49.119 ug/L

RT: 9.477 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

Instrument :

MSVOA_V

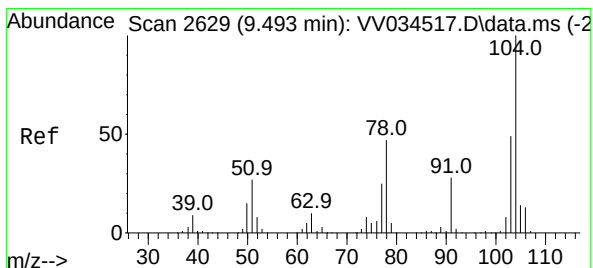
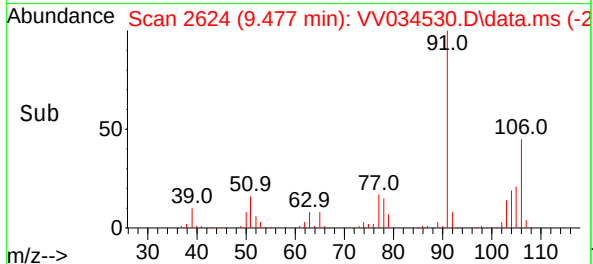
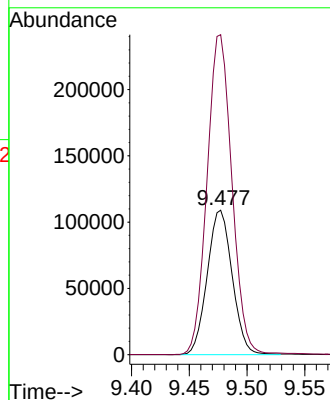
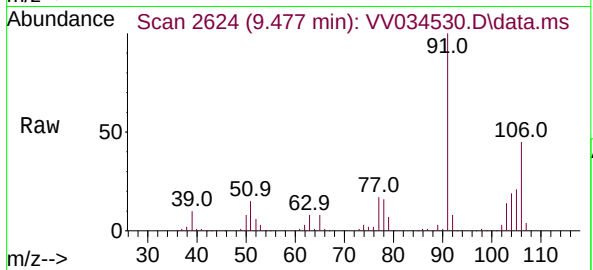
ClientSampleId :

Tgt Ion:106 Resp: 164212

Ion Ratio Lower Upper

106 100

91 221.4 152.2 282.7



#55

Styrene

Concen: 51.431 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. -0.000 min

Lab File: VV034530.D

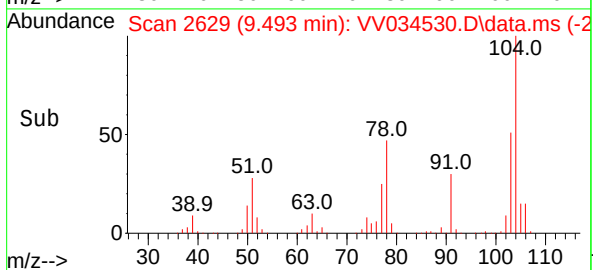
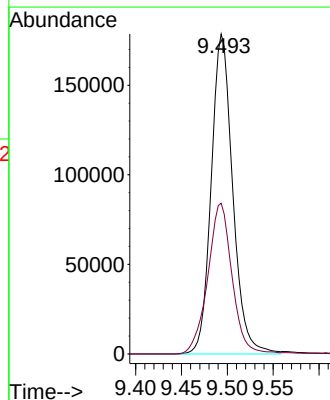
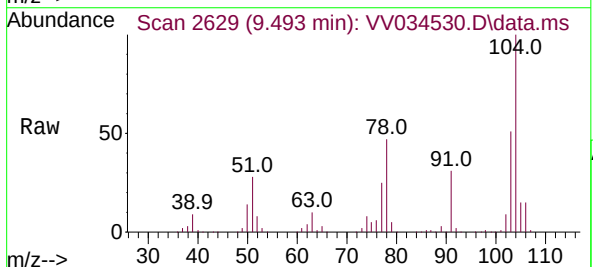
Acq: 08 Mar 2024 15:00

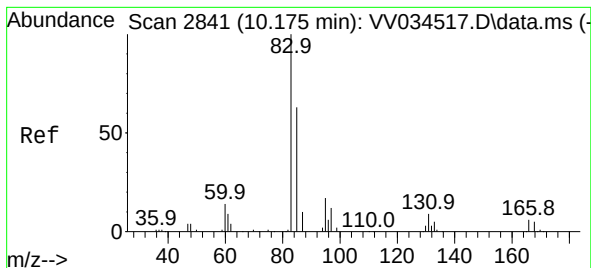
Tgt Ion:104 Resp: 291122

Ion Ratio Lower Upper

104 100

78 47.1 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 60.499 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. -0.000 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

Instrument :

MSVOA_V

ClientSampleId :

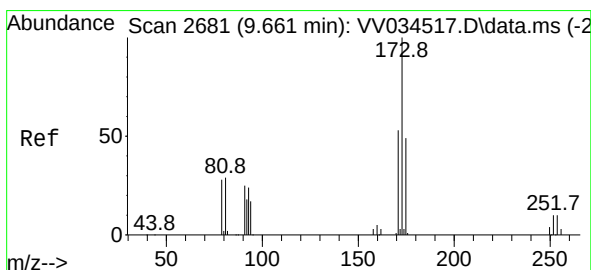
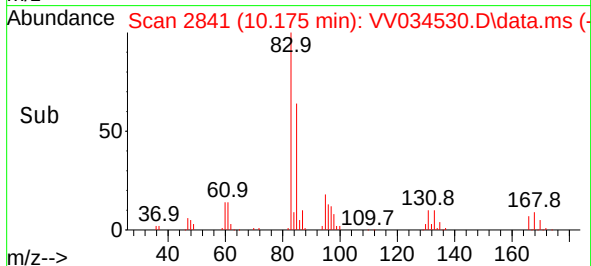
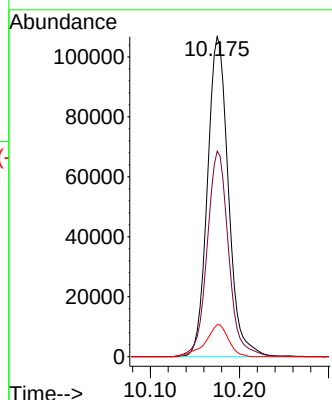
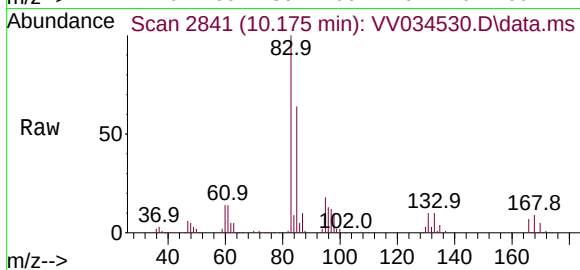
Tgt Ion: 83 Resp: 174148

Ion Ratio Lower Upper

83 100

85 64.2 45.4 84.2

131 10.0 8.3 12.5



#59

Bromoform

Concen: 61.058 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.003 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

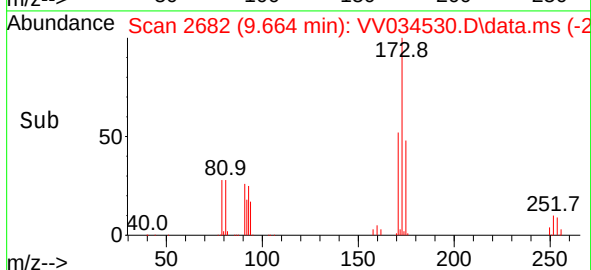
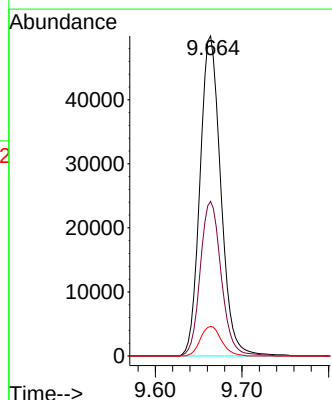
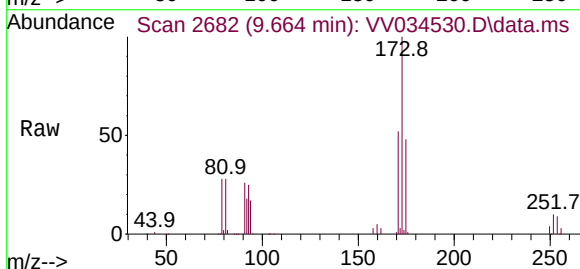
Tgt Ion:173 Resp: 83301

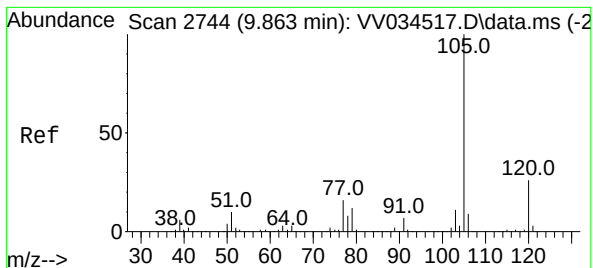
Ion Ratio Lower Upper

173 100

175 48.6 39.1 58.7

254 9.3 7.8 11.8





#60

Isopropylbenzene

Concen: 47.900 ug/L

RT: 9.866 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

Instrument :

MSVOA_V

ClientSampleId :

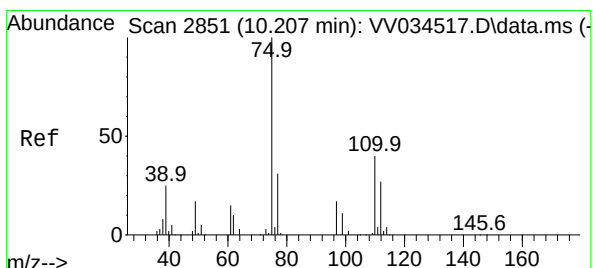
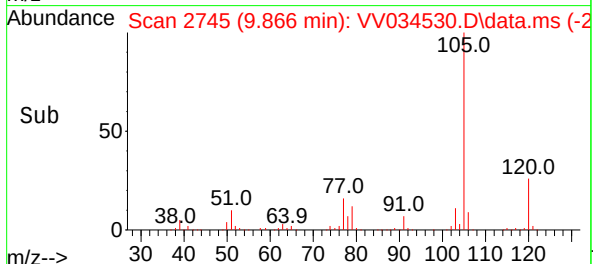
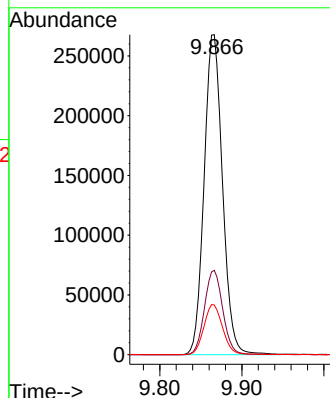
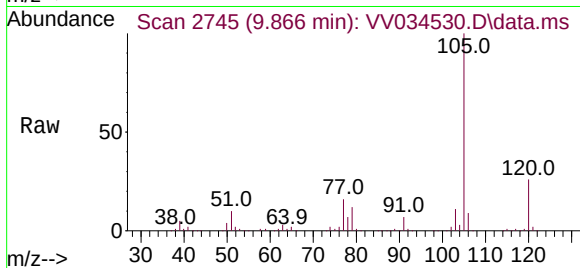
Tgt Ion:105 Resp: 416868

Ion Ratio Lower Upper

105 100

120 26.2 20.8 31.2

77 15.9 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 64.929 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. -0.000 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

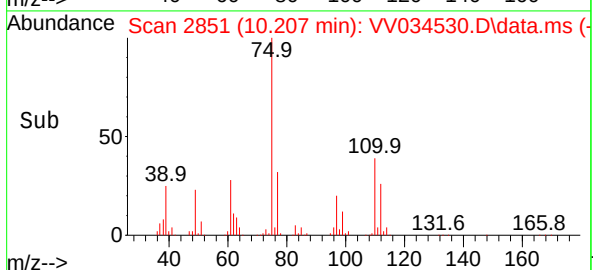
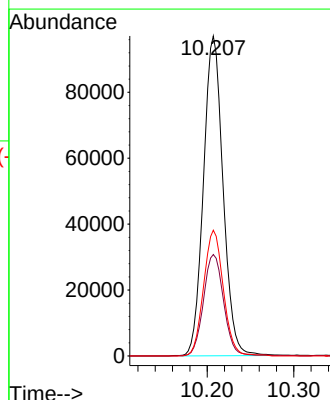
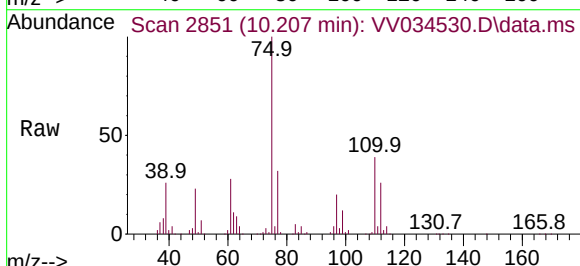
Tgt Ion: 75 Resp: 152513

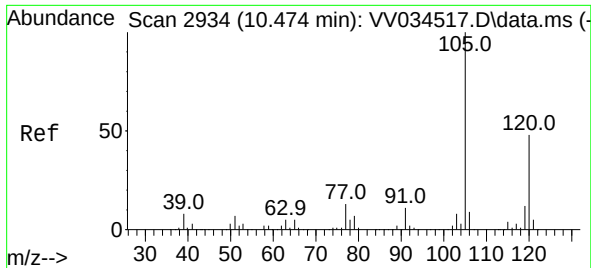
Ion Ratio Lower Upper

75 100

77 32.6 25.9 38.9

110 39.5 33.1 49.7





#62

1,3,5-Trimethylbenzene

Concen: 47.556 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

Instrument :

MSVOA_V

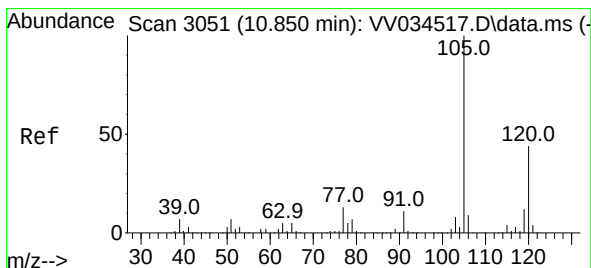
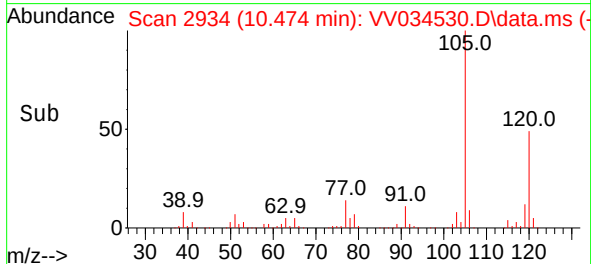
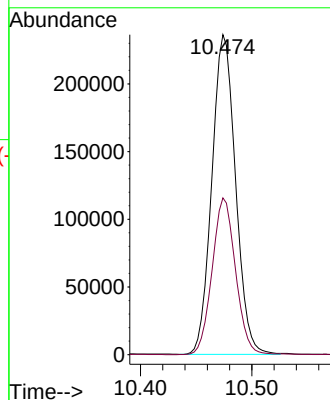
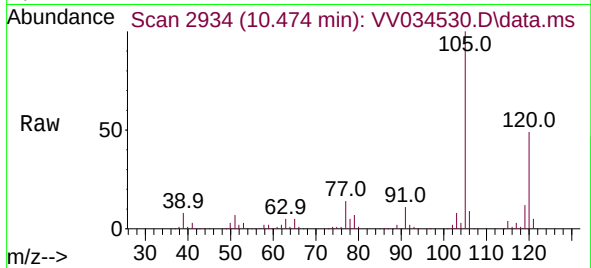
ClientSampleId :

Tgt Ion:105 Resp: 349120

Ion Ratio Lower Upper

105 100

120 48.4 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 49.022 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV034530.D

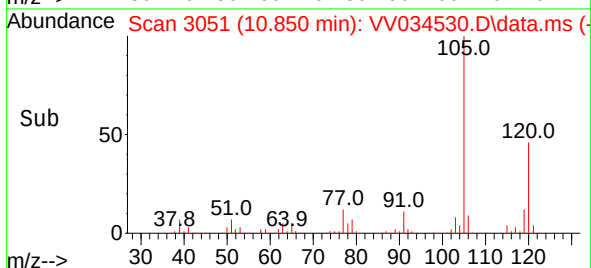
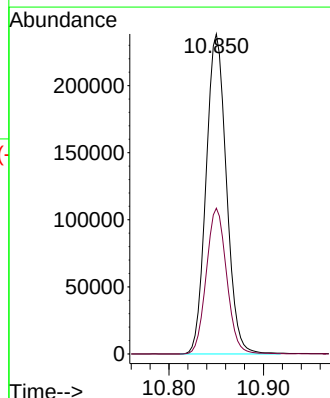
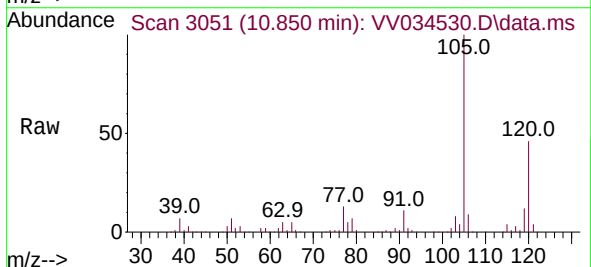
Acq: 08 Mar 2024 15:00

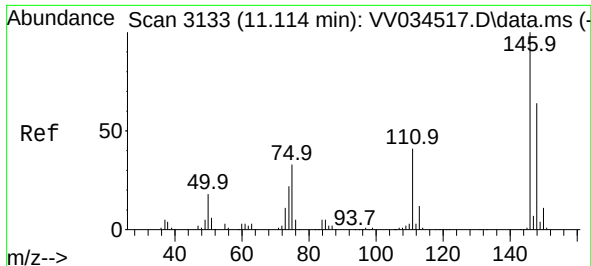
Tgt Ion:105 Resp: 355935

Ion Ratio Lower Upper

105 100

120 45.7 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 49.812 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

Instrument :

MSVOA_V

ClientSampleId :

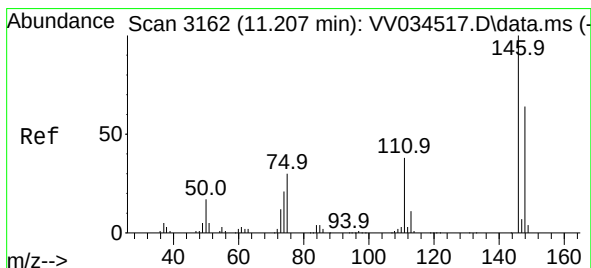
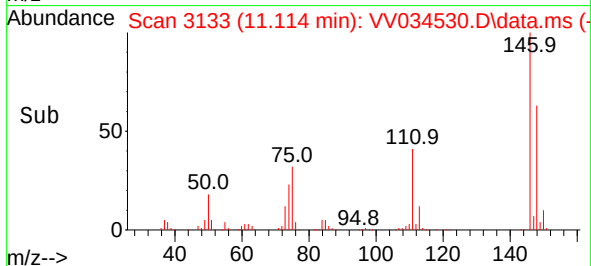
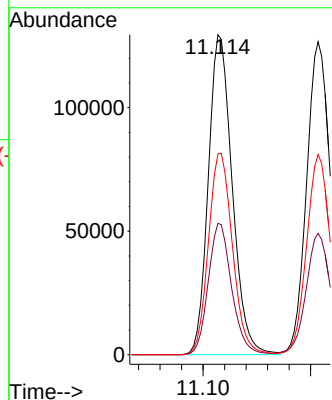
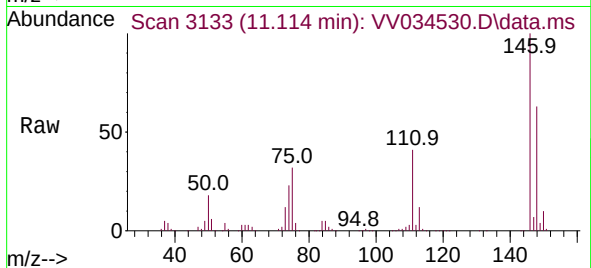
Tgt Ion:146 Resp: 200437

Ion Ratio Lower Upper

146 100

111 41.0 27.9 51.7

148 62.7 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 48.868 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. -0.000 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

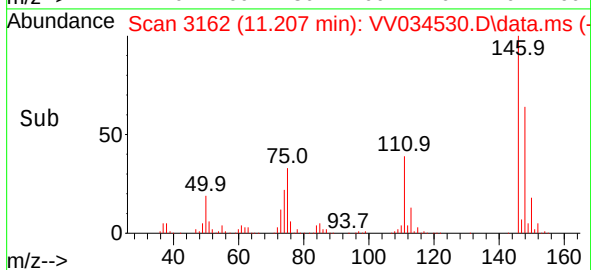
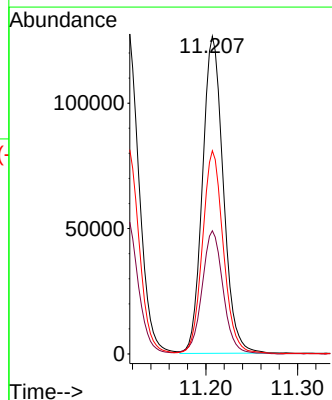
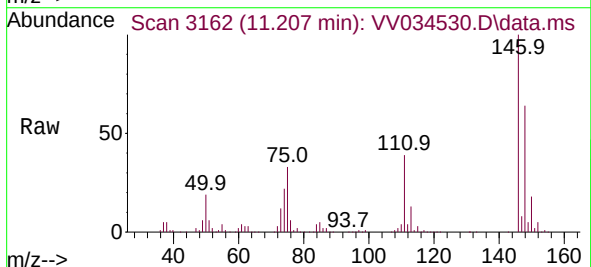
Tgt Ion:146 Resp: 199688

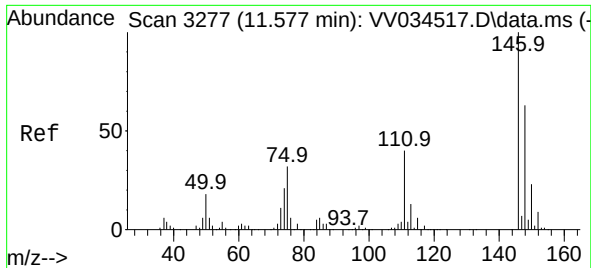
Ion Ratio Lower Upper

146 100

111 38.8 26.5 49.1

148 64.0 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 52.103 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. -0.000 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

Instrument :

MSVOA_V

ClientSampleId :

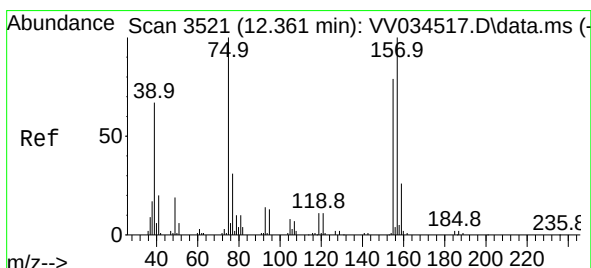
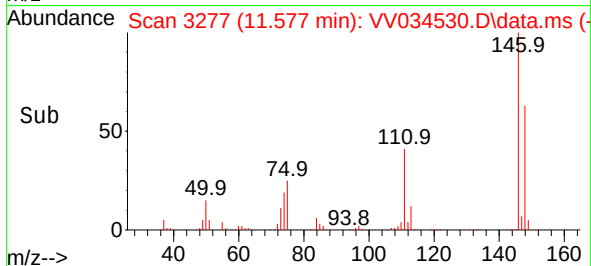
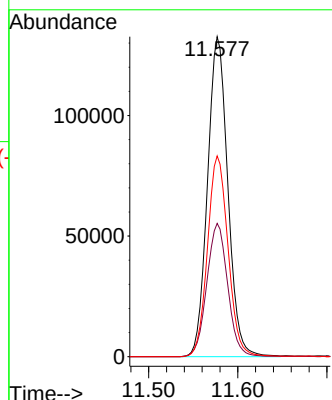
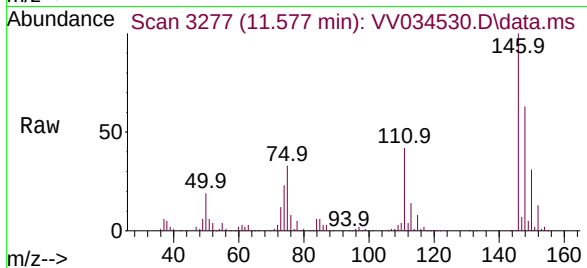
Tgt Ion:146 Resp: 210083

Ion Ratio Lower Upper

146 100

111 41.6 33.8 50.8

148 62.8 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 63.018 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

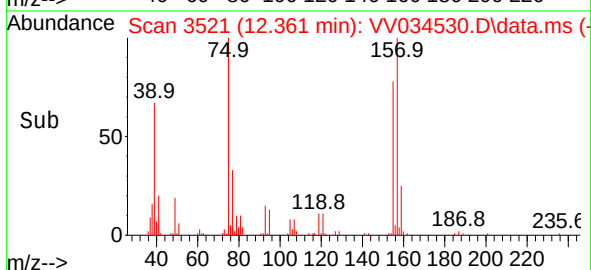
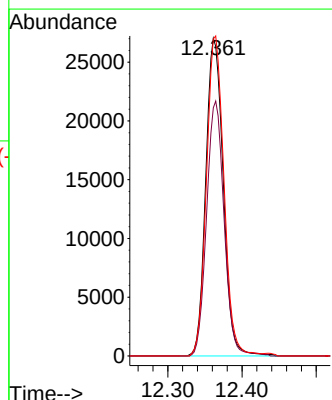
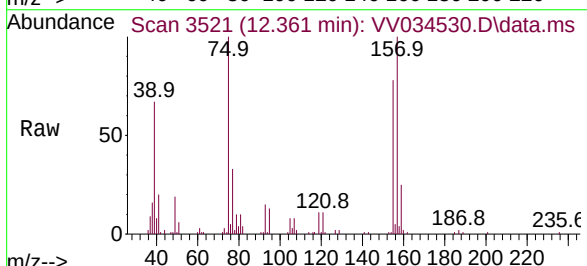
Tgt Ion: 75 Resp: 44094

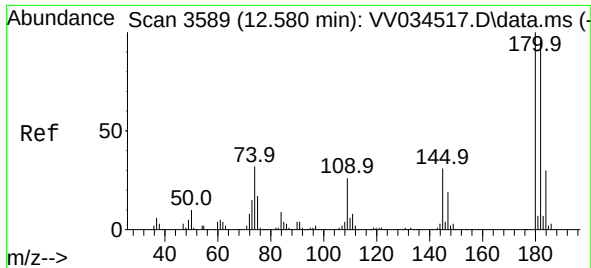
Ion Ratio Lower Upper

75 100

155 78.1 63.3 94.9

157 99.8 81.4 122.0





#69

1,3,5-Trichlorobenzene

Concen: 46.857 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

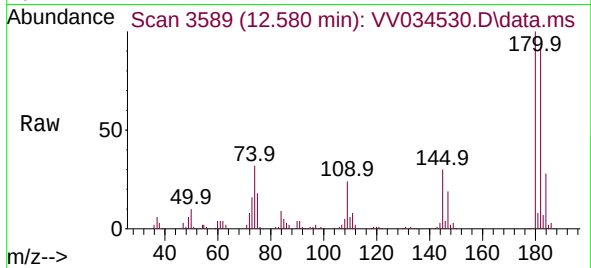
Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 141444

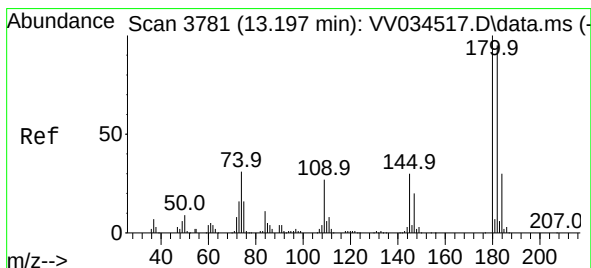
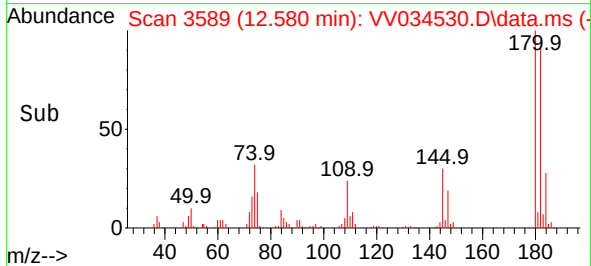
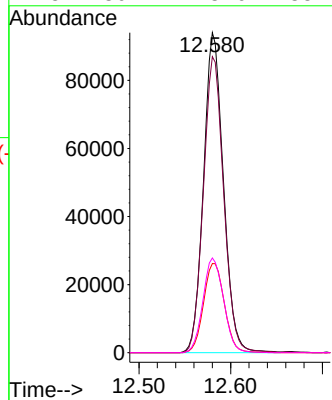
Ion Ratio Lower Upper

180 100

182 94.5 74.6 112.0

184 29.3 23.6 35.4

145 30.7 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 49.362 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. -0.000 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

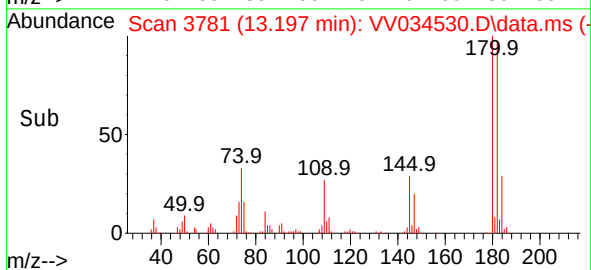
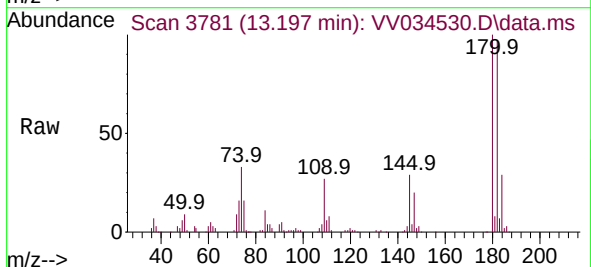
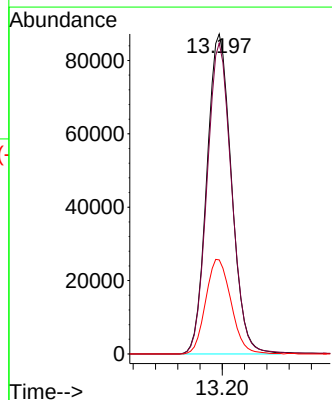
Tgt Ion:180 Resp: 134077

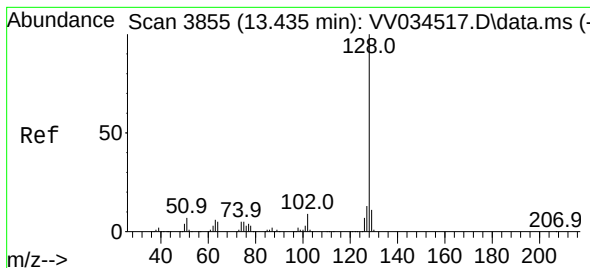
Ion Ratio Lower Upper

180 100

182 96.8 74.8 112.2

145 30.4 24.2 36.4





#71

Naphthalene

Concen: 60.065 ug/L

RT: 13.438 min Scan# 3855

Delta R.T. 0.003 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

Instrument :

MSVOA_V

ClientSampleId :

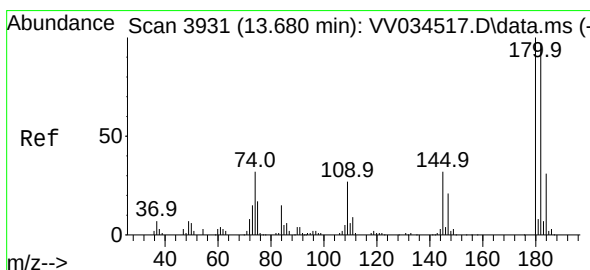
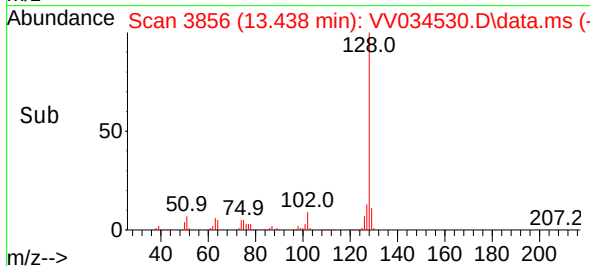
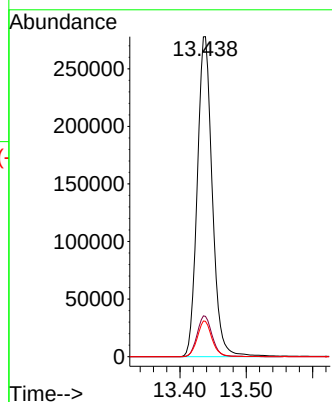
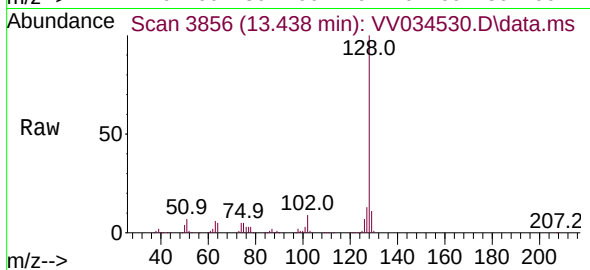
Tgt Ion:128 Resp: 436412

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 11.0 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 53.355 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV034530.D

Acq: 08 Mar 2024 15:00

Tgt Ion:180 Resp: 141378

Ion Ratio Lower Upper

180 100

182 95.2 75.9 113.9

145 32.3 25.5 38.3

