

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111924\
 Data File : VV038175.D
 Acq On : 19 Nov 2024 14:00
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 19 22:39:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 19 22:27:08 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	285754	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	293846	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	158797	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	101343	4.627	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.600%
7) Chloroethane-d5	1.529	69	84197	4.752	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.000%
11) 1,1-Dichloroethene-d2	2.053	65	44872	4.761	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.200%
20) 2-Butanone-d5	3.796	46	208724	47.637	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.280%
24) Chloroform-d	4.236	84	201138	4.732	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
26) 1,2-Dichloroethane-d4	4.934	65	90423	4.741	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
32) Benzene-d6	4.950	84	370674	4.881	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
36) 1,2-Dichloropropane-d6	5.979	67	109608	4.690	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.800%
41) Toluene-d8	7.233	98	348130	4.954	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.000%
43) trans-1,3-Dichloroprop...	7.551	79	43753	5.036	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.800%
46) 2-Hexanone-d5	8.018	63	170655	50.528	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.060%
56) 1,1,2,2-Tetrachloroeth...	10.143	84	94462	4.761	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.200%
66) 1,2-Dichlorobenzene-d4	11.551	152	126003	4.657	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	125539	4.643	ug/L	99
3) Chloromethane	1.214	50	115615	4.966	ug/L	100
5) Vinyl chloride	1.278	62	126420	4.792	ug/L	98
6) Bromomethane	1.484	94	50676	4.927	ug/L	96
8) Chloroethane	1.545	64	82288	4.895	ug/L	99
9) Trichlorofluoromethane	1.709	101	170556	4.543	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	95687	4.466	ug/L	98
12) 1,1-Dichloroethene	2.063	96	92757	4.545	ug/L	89
13) Acetone	2.130	43	156067	48.161	ug/L	98
14) Carbon disulfide	2.233	76	306885	4.668	ug/L	99
15) Methyl Acetate	2.381	43	37822	4.806	ug/L	99
16) Methylene chloride	2.439	84	111314	4.783	ug/L	99
17) Methyl tert-butyl Ether	2.696	73	228123	4.944	ug/L	100
18) trans-1,2-Dichloroethene	2.687	96	105148	4.890	ug/L	97
19) 1,1-Dichloroethane	3.101	63	189819	4.864	ug/L	98
21) 2-Butanone	3.876	43	210716	45.306	ug/L	99
22) cis-1,2-Dichloroethene	3.802	96	108767	4.892	ug/L	96
23) Bromochloromethane	4.140	128	54168	4.990	ug/L	93
25) Chloroform	4.262	83	199583	4.780	ug/L	96

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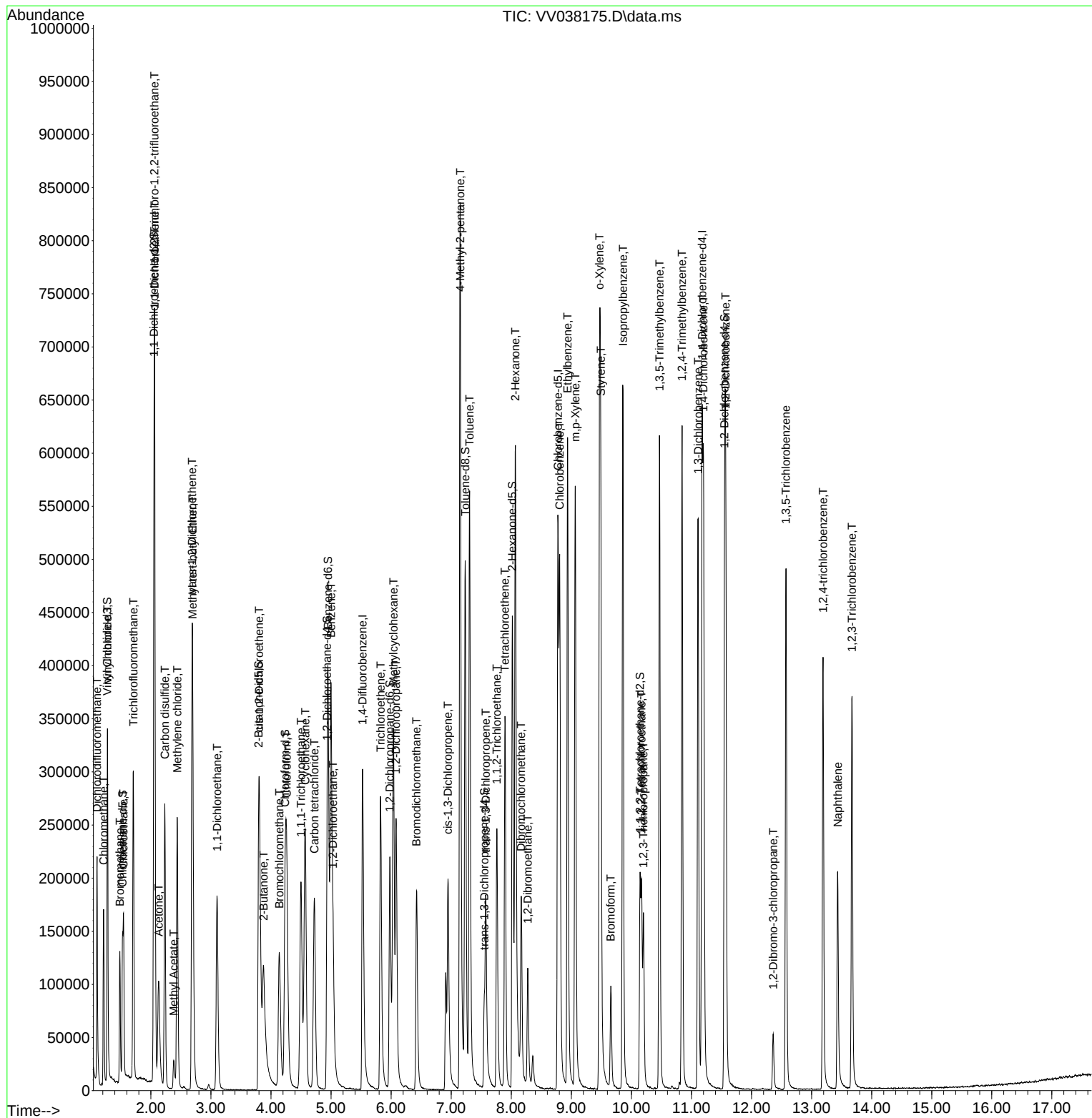
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	113881	5.013	ug/L	99
29) 1,1,1-Trichloroethane	4.500	97	168957	4.794	ug/L	100
30) Cyclohexane	4.571	56	130010	4.448	ug/L	99
31) Carbon tetrachloride	4.722	117	145618	4.684	ug/L	98
33) Benzene	4.998	78	410203	4.970	ug/L	100
34) Trichloroethene	5.825	95	107092	4.760	ug/L	98
35) Methylcyclohexane	6.040	83	138937	4.365	ug/L	99
37) 1,2-Dichloropropane	6.082	63	102054	4.936	ug/L	100
38) Bromodichloromethane	6.423	83	135988	4.893	ug/L	97
39) cis-1,3-Dichloropropene	6.947	75	142079	4.923	ug/L	99
40) 4-Methyl-2-pentanone	7.149	43	558797	51.641	ug/L	100
42) Toluene	7.307	91	433903	4.964	ug/L	98
44) trans-1,3-Dichloropropene	7.577	75	122585	5.028	ug/L	96
45) 1,1,2-Trichloroethane	7.760	97	82067	4.894	ug/L	96
47) Tetrachloroethene	7.895	164	83270	4.606	ug/L	98
48) 2-Hexanone	8.069	43	397417	50.647	ug/L	98
49) Dibromochloromethane	8.166	129	91289	4.994	ug/L	98
50) 1,2-Dibromoethane	8.275	107	78872	5.074	ug/L	96
51) Chlorobenzene	8.805	112	280423	4.656	ug/L	98
52) Ethylbenzene	8.937	91	443978	4.788	ug/L	99
53) m,p-Xylene	9.066	106	171086	4.889	ug/L	100
54) o-Xylene	9.471	106	162967	4.784	ug/L	92
55) Styrene	9.490	104	298965	4.978	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.169	83	95357	4.864	ug/L	99
59) Bromoform	9.657	173	46350	5.015	ug/L	100
60) Isopropylbenzene	9.860	105	431742	4.720	ug/L	100
61) 1,2,3-Trichloropropane	10.201	75	66830	4.916	ug/L	99
62) 1,3,5-Trimethylbenzene	10.468	105	331283	4.565	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	342472	4.732	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	228917	4.661	ug/L	100
65) 1,4-Dichlorobenzene	11.201	146	237981	4.793	ug/L	99
67) 1,2-Dichlorobenzene	11.571	146	214542	4.720	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	14463	4.739	ug/L	93
69) 1,3,5-Trichlorobenzene	12.574	180	157633	4.531	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	129238	4.494	ug/L	97
71) Naphthalene	13.435	128	183876	4.110	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	118823	4.472	ug/L	99

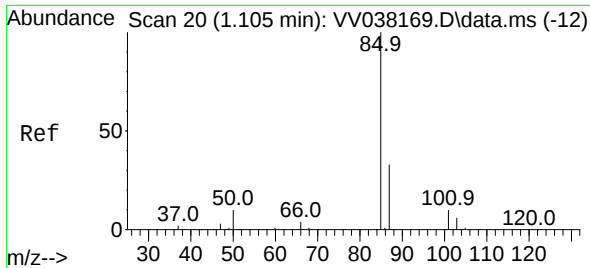
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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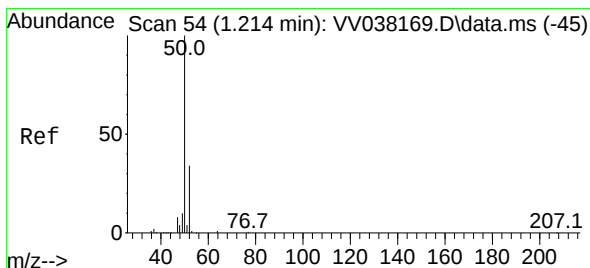
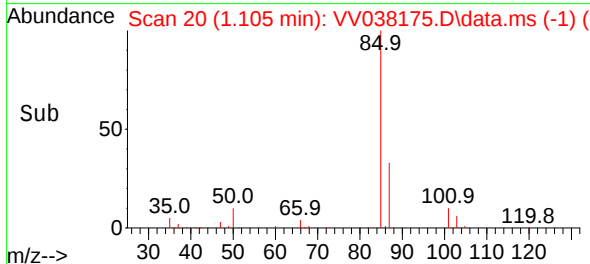
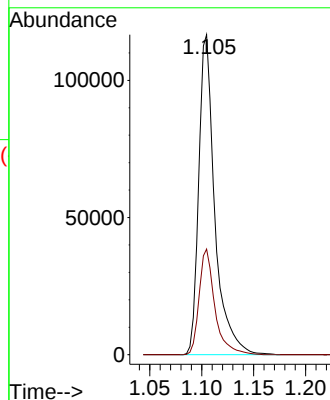
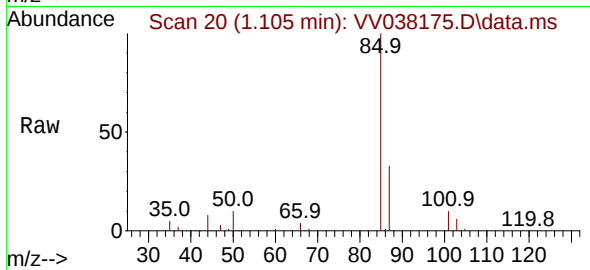




#2
Dichlorodifluoromethane
Concen: 4.643 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV038175.D
Acq: 19 Nov 2024 14:00

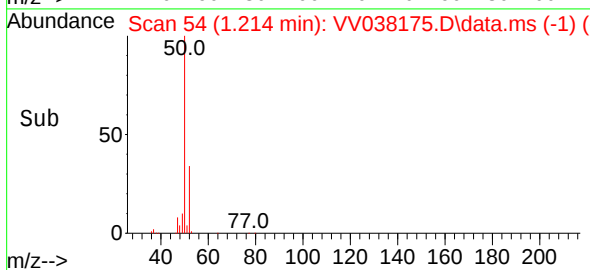
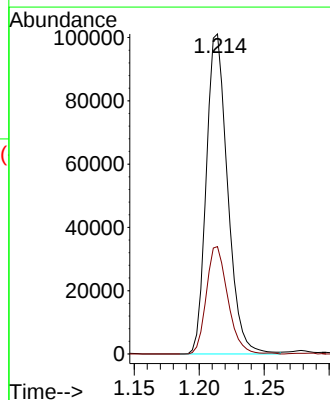
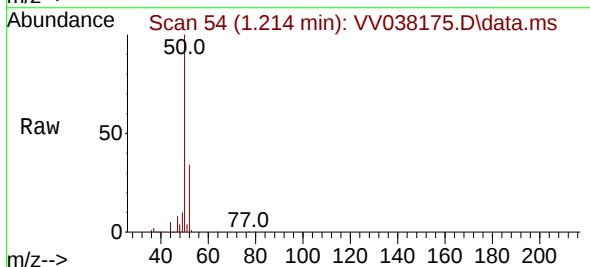
Instrument :
MSVOA_V
ClientSampleId :

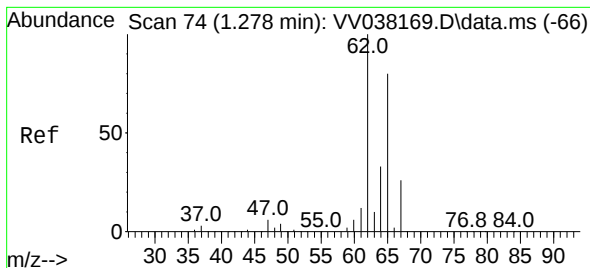
Tgt Ion: 85 Resp: 125539
Ion Ratio Lower Upper
85 100
87 32.4 26.5 39.7



#3
Chloromethane
Concen: 4.966 ug/L
RT: 1.214 min Scan# 54
Delta R.T. 0.000 min
Lab File: VV038175.D
Acq: 19 Nov 2024 14:00

Tgt Ion: 50 Resp: 115615
Ion Ratio Lower Upper
50 100
52 33.5 23.5 43.7





#5

Vinyl chloride

Concen: 4.792 ug/L

RT: 1.278 min Scan# 74

Delta R.T. 0.000 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

Instrument :

MSVOA_V

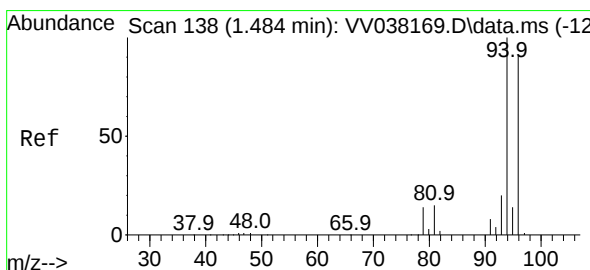
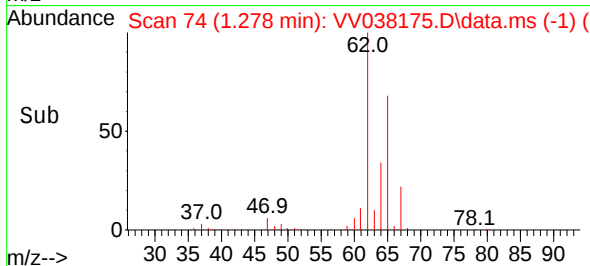
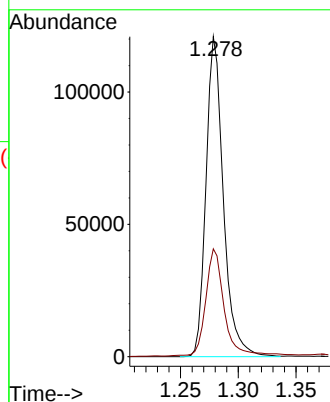
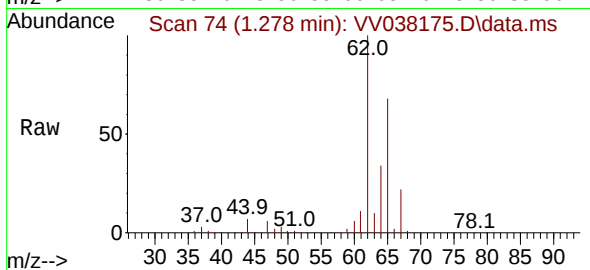
ClientSampleId :

Tgt Ion: 62 Resp: 126420

Ion Ratio Lower Upper

62 100

64 33.7 24.4 45.4



#6

Bromomethane

Concen: 4.927 ug/L

RT: 1.484 min Scan# 138

Delta R.T. 0.000 min

Lab File: VV038175.D

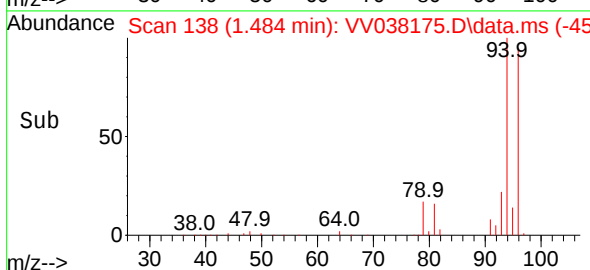
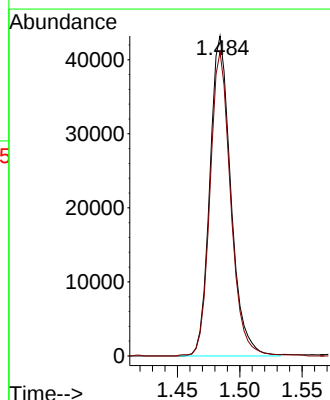
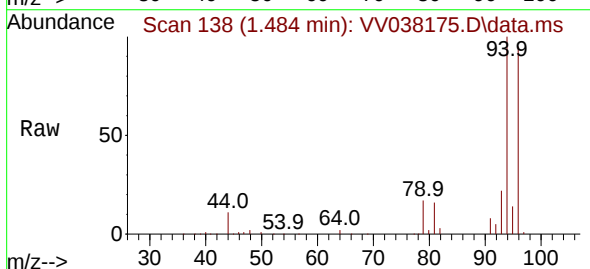
Acq: 19 Nov 2024 14:00

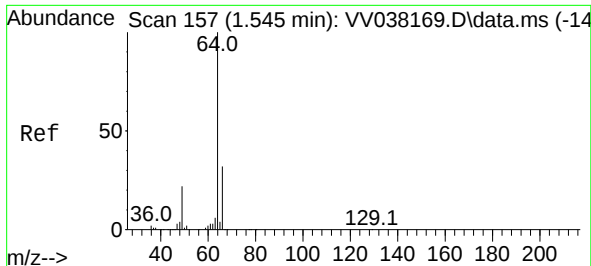
Tgt Ion: 94 Resp: 50676

Ion Ratio Lower Upper

94 100

96 95.0 63.7 118.3

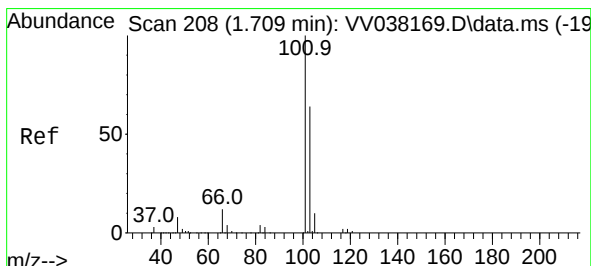
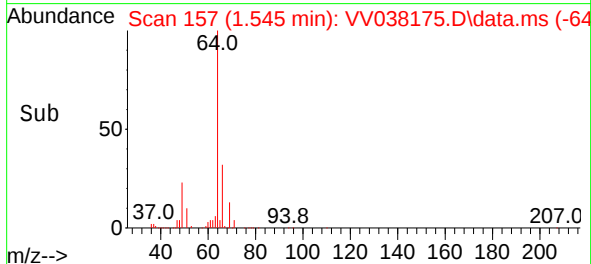
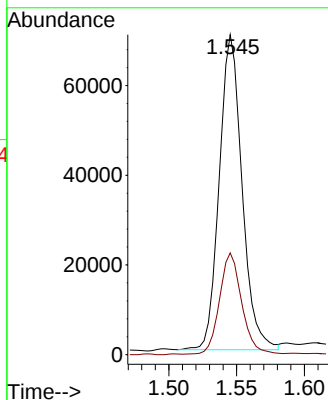
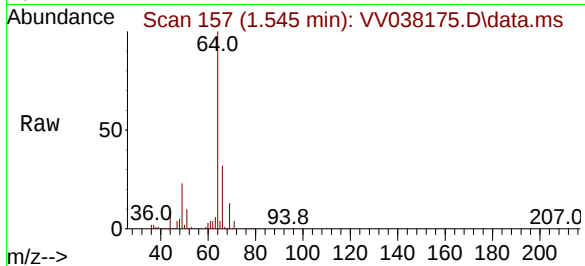




#8
Chloroethane
Concen: 4.895 ug/L
RT: 1.545 min Scan# 157
Delta R.T. 0.000 min
Lab File: VV038175.D
Acq: 19 Nov 2024 14:00

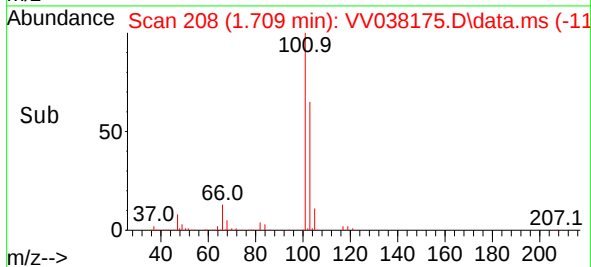
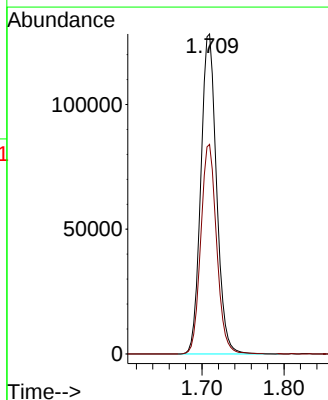
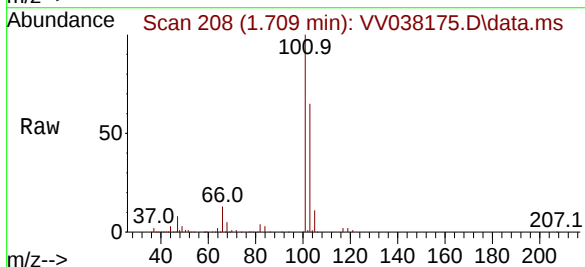
Instrument :
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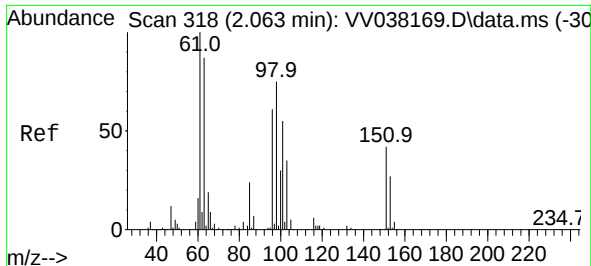
Tgt Ion: 64 Resp: 82288
Ion Ratio Lower Upper
64 100
66 31.8 22.0 40.8



#9
Trichlorofluoromethane
Concen: 4.543 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV038175.D
Acq: 19 Nov 2024 14:00

Tgt Ion:101 Resp: 170556
Ion Ratio Lower Upper
101 100
103 66.1 51.5 77.3

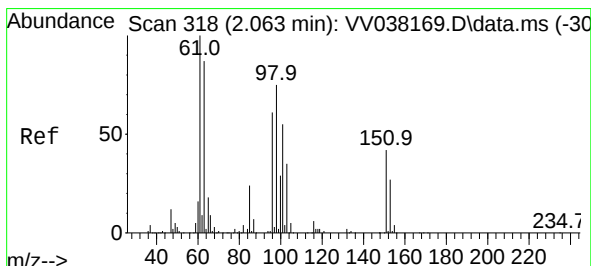
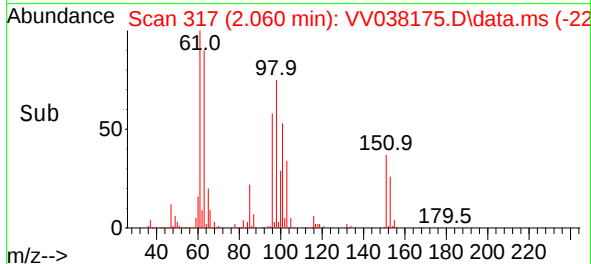
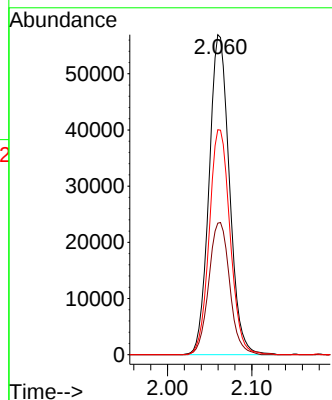
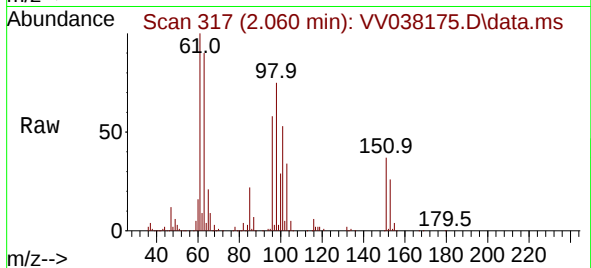




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.466 ug/L
RT: 2.060 min Scan# 317
Delta R.T. -0.003 min
Lab File: VV038175.D
Acq: 19 Nov 2024 14:00

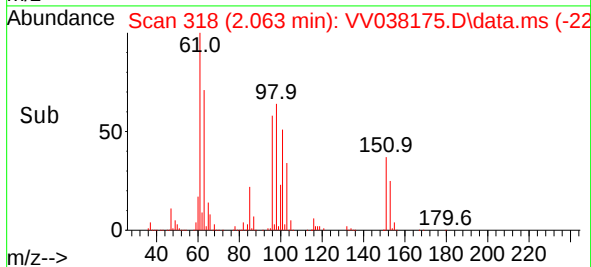
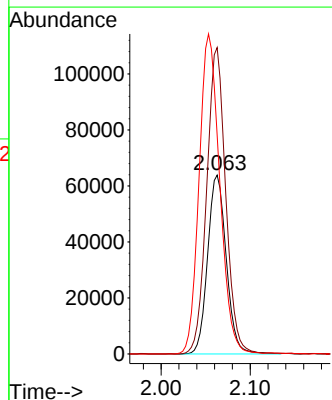
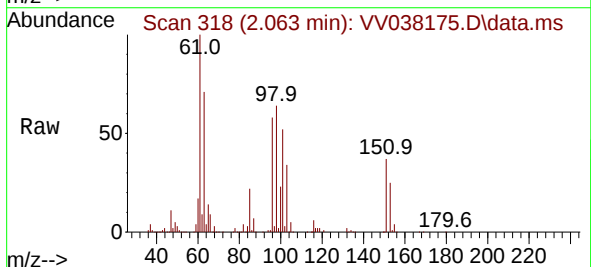
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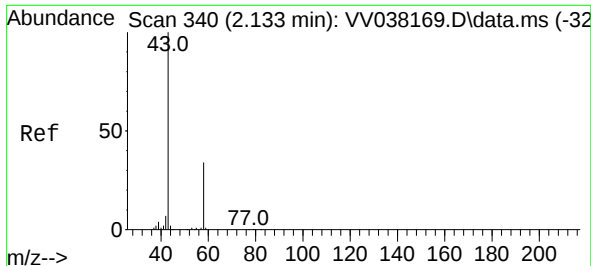
Tgt Ion:101 Resp: 95687
Ion Ratio Lower Upper
101 100
85 42.4 33.4 50.0
151 71.9 58.8 88.2



#12
1,1-Dichloroethene
Concen: 4.545 ug/L
RT: 2.063 min Scan# 318
Delta R.T. 0.000 min
Lab File: VV038175.D
Acq: 19 Nov 2024 14:00

Tgt Ion: 96 Resp: 92757
Ion Ratio Lower Upper
96 100
61 171.2 115.7 214.9
63 122.2 101.1 187.7





#13

Acetone

Concen: 48.161 ug/L

RT: 2.130 min Scan# 340

Delta R.T. -0.003 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

Instrument :

MSVOA_V

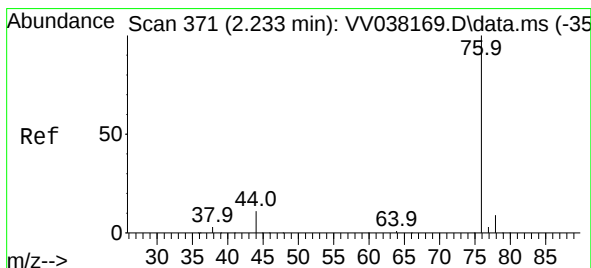
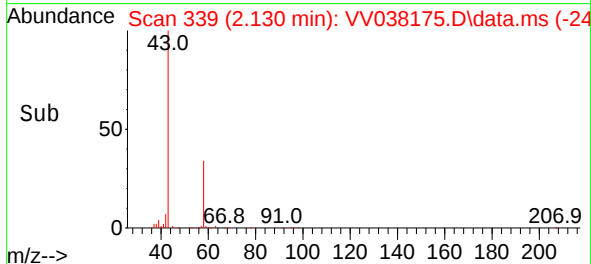
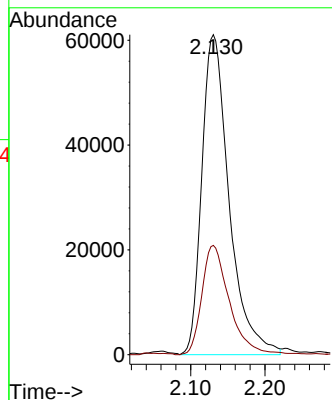
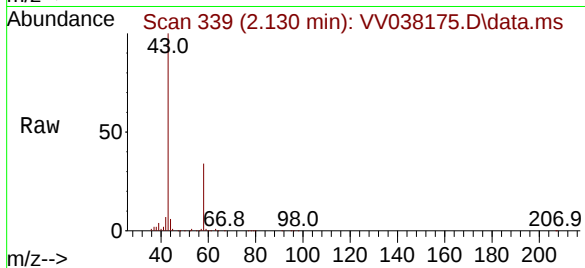
ClientSampleId :

Tgt Ion: 43 Resp: 156067

Ion Ratio Lower Upper

43 100

58 34.5 0.0 67.2



#14

Carbon disulfide

Concen: 4.668 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.000 min

Lab File: VV038175.D

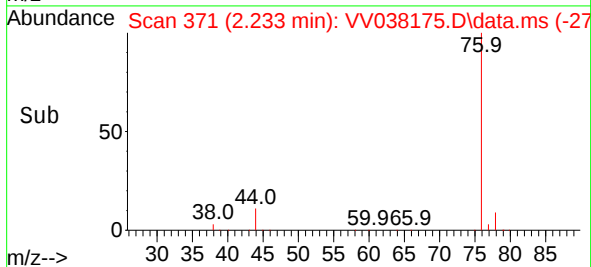
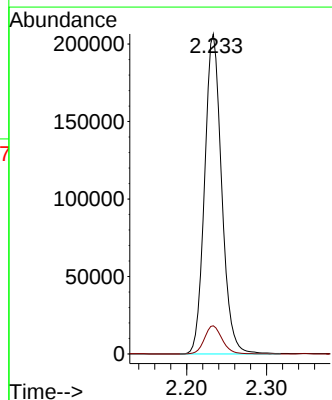
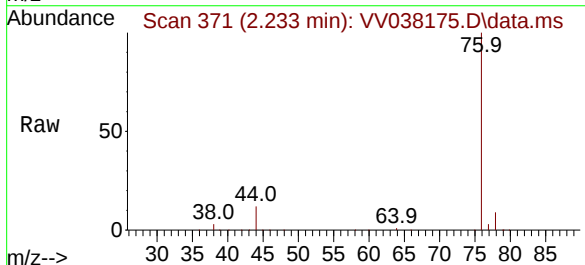
Acq: 19 Nov 2024 14:00

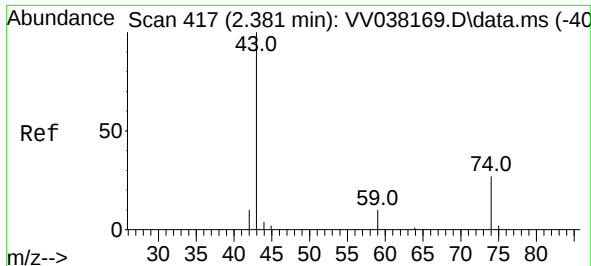
Tgt Ion: 76 Resp: 306885

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0





#15

Methyl Acetate

Concen: 4.806 ug/L

RT: 2.381 min Scan# 417

Delta R.T. 0.000 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

Instrument :

MSVOA_V

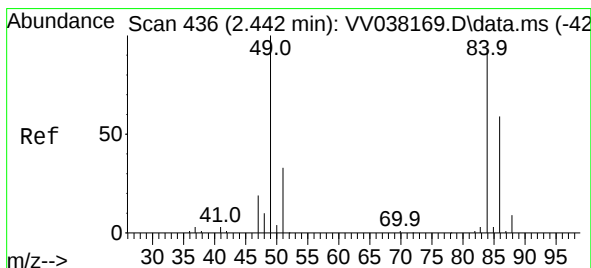
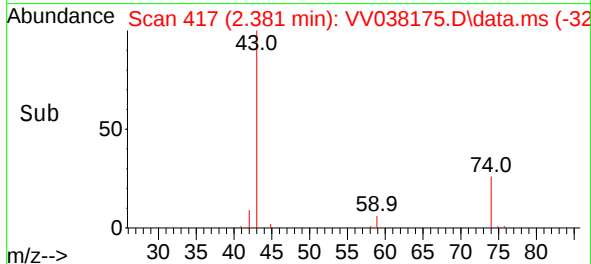
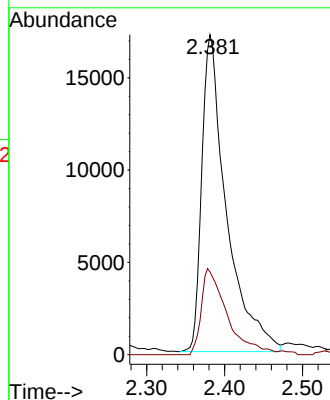
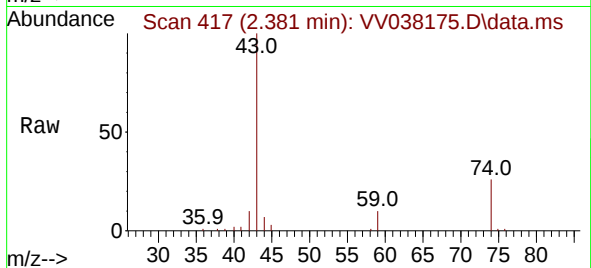
ClientSampleId :

Tgt Ion: 43 Resp: 37822

Ion Ratio Lower Upper

43 100

74 28.3 22.4 33.6



#16

Methylene chloride

Concen: 4.783 ug/L

RT: 2.439 min Scan# 435

Delta R.T. -0.003 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

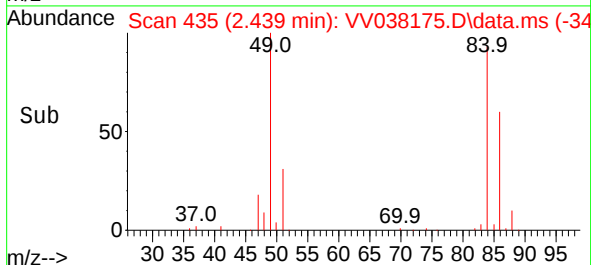
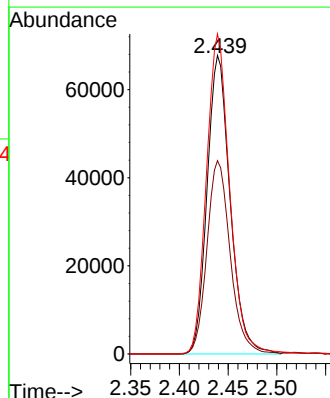
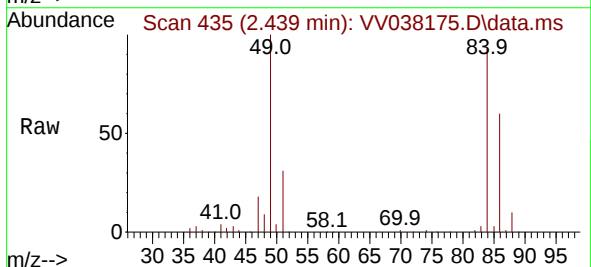
Tgt Ion: 84 Resp: 111314

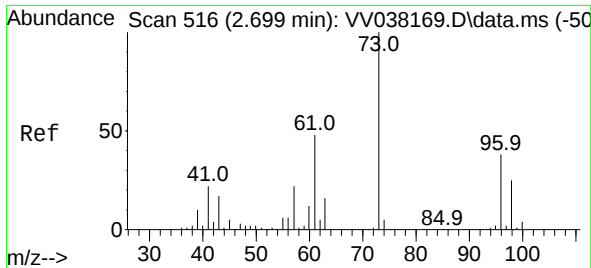
Ion Ratio Lower Upper

84 100

86 64.7 44.2 82.2

49 107.2 74.9 139.1





#17

Methyl tert-butyl Ether

Concen: 4.944 ug/L

RT: 2.696 min Scan# 516

Delta R.T. -0.003 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

Instrument :

MSVOA_V

ClientSampleId :

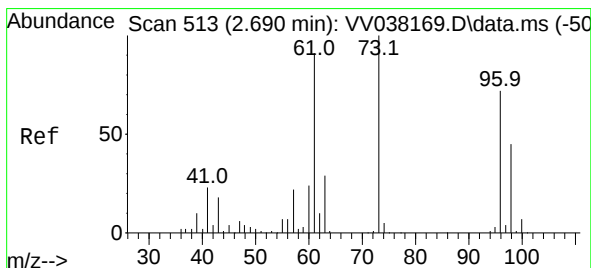
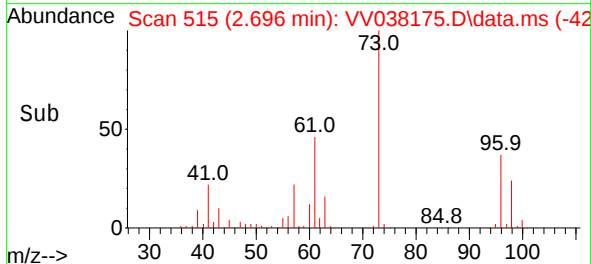
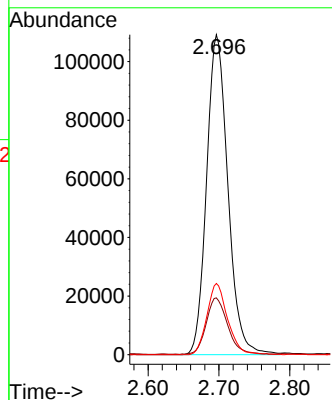
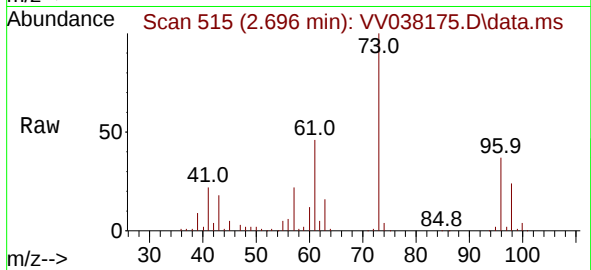
Tgt Ion: 73 Resp: 228123

Ion Ratio Lower Upper

73 100

43 17.7 14.2 21.2

57 21.6 17.6 26.4



#18

trans-1,2-Dichloroethene

Concen: 4.890 ug/L

RT: 2.687 min Scan# 512

Delta R.T. -0.003 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

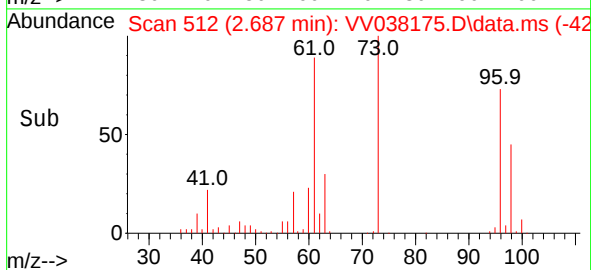
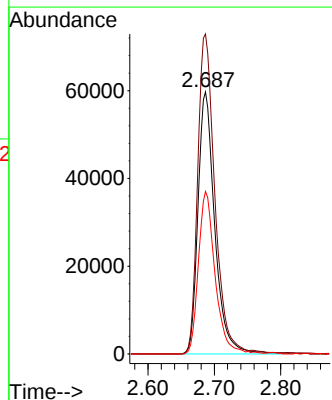
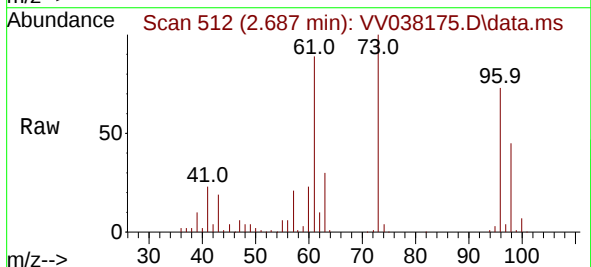
Tgt Ion: 96 Resp: 105148

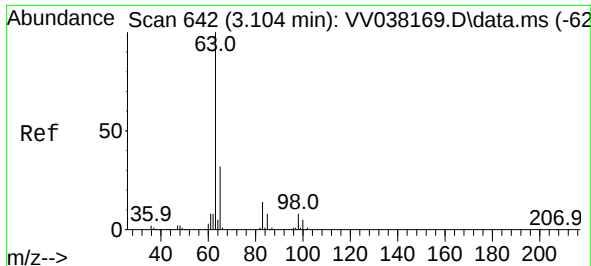
Ion Ratio Lower Upper

96 100

61 122.1 88.5 164.4

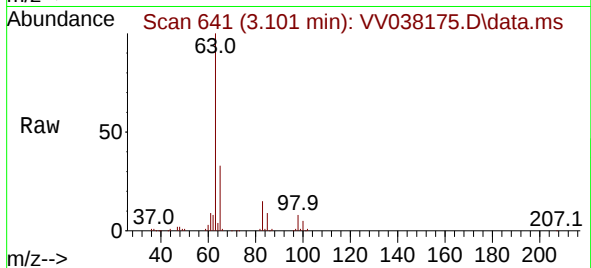
98 62.1 43.9 81.5



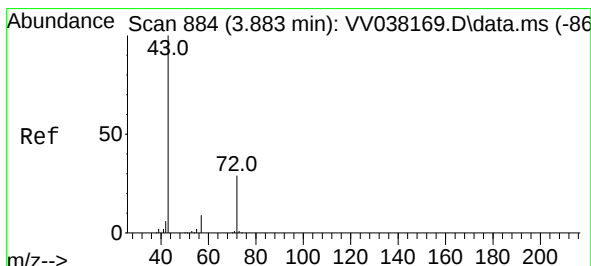
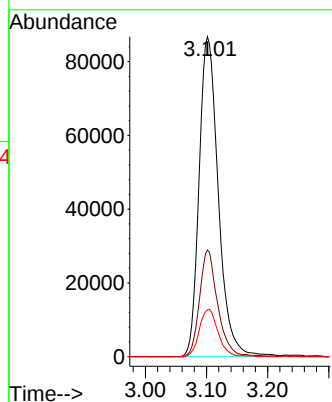
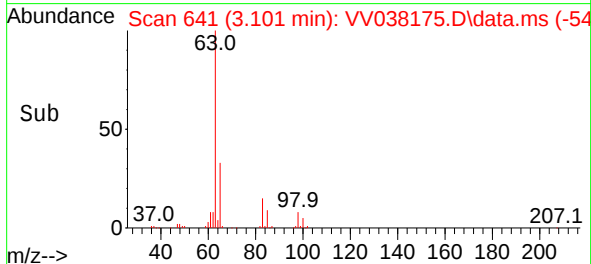


#19
1,1-Dichloroethane
Concen: 4.864 ug/L
RT: 3.101 min Scan# 642
Delta R.T. -0.003 min
Lab File: VV038175.D
Acq: 19 Nov 2024 14:00

Instrument :
MSVOA_V
ClientSampleId :

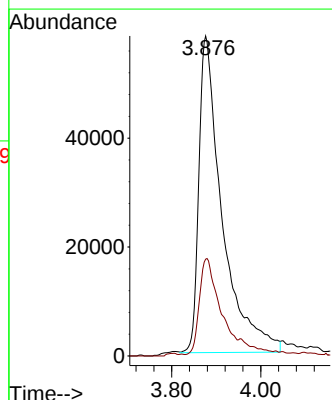
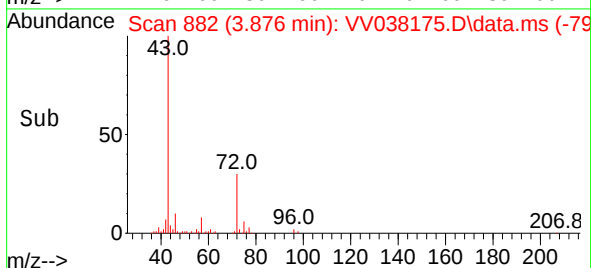
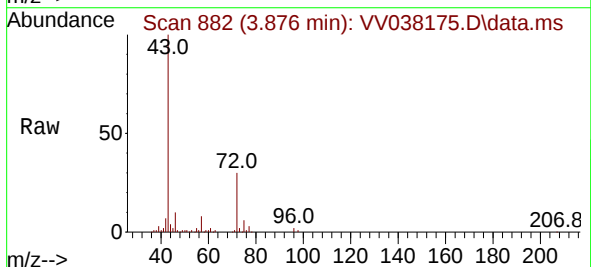


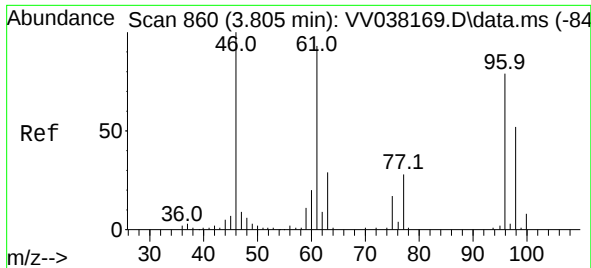
Tgt Ion: 63 Resp: 189819
Ion Ratio Lower Upper
63 100
65 33.4 22.5 41.7
83 14.6 10.1 18.9



#21
2-Butanone
Concen: 45.306 ug/L
RT: 3.876 min Scan# 882
Delta R.T. -0.007 min
Lab File: VV038175.D
Acq: 19 Nov 2024 14:00

Tgt Ion: 43 Resp: 210716
Ion Ratio Lower Upper
43 100
72 26.3 13.0 39.0





#22

cis-1,2-Dichloroethene

Concen: 4.892 ug/L

RT: 3.802 min Scan# 859

Delta R.T. -0.003 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

Instrument :

MSVOA_V

ClientSampleId :

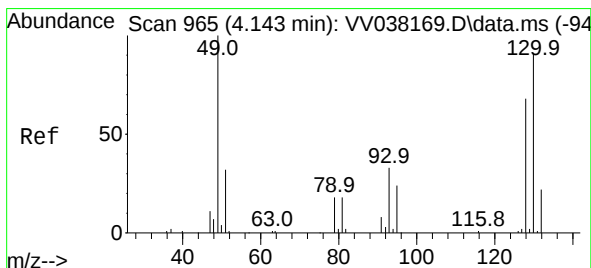
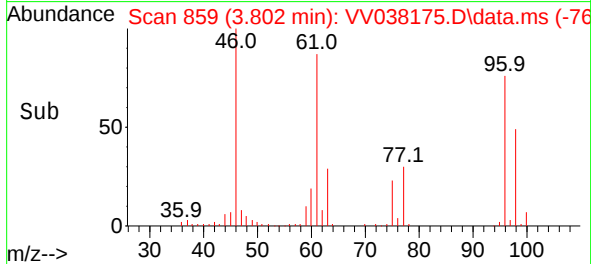
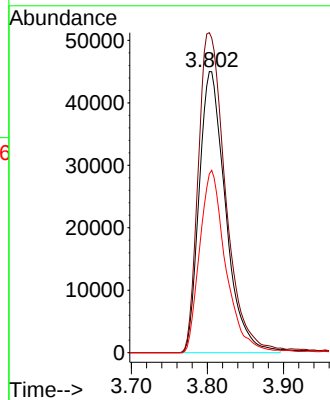
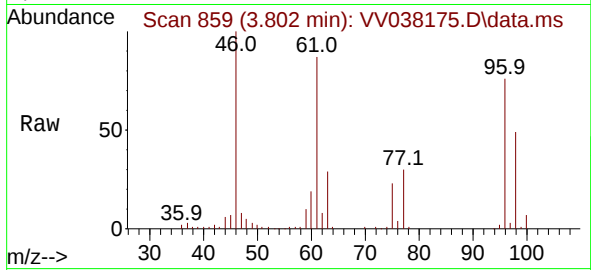
Tgt Ion: 96 Resp: 108767

Ion Ratio Lower Upper

96 100

61 113.8 82.7 153.5

98 63.6 46.3 85.9



#23

Bromochloromethane

Concen: 4.990 ug/L

RT: 4.140 min Scan# 964

Delta R.T. -0.003 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

Tgt Ion:128 Resp: 54168

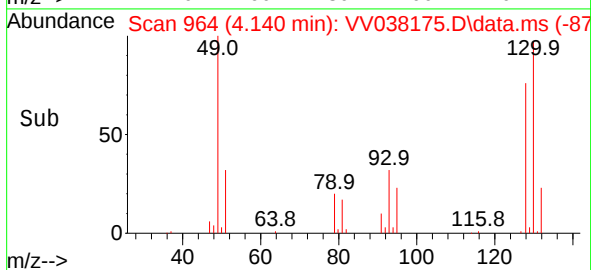
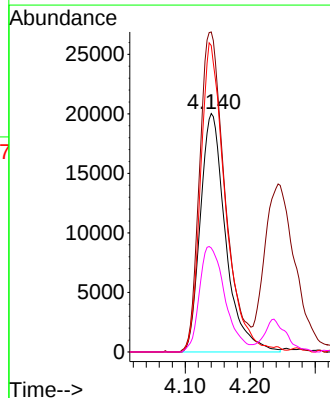
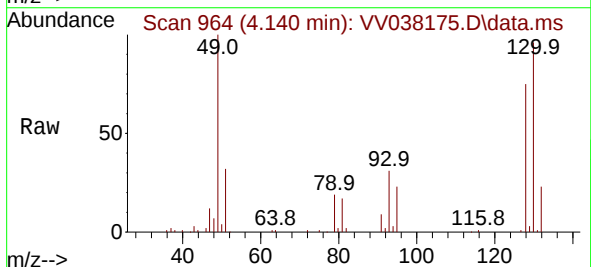
Ion Ratio Lower Upper

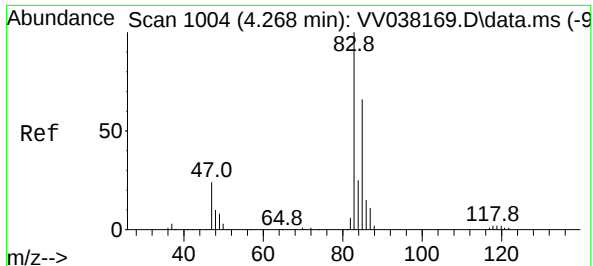
128 100

49 134.2 102.8 190.8

130 128.5 93.6 173.8

51 43.6 37.1 55.7





#25

Chloroform

Concen: 4.780 ug/L

RT: 4.262 min Scan# 1002

Delta R.T. -0.006 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

Instrument :

MSVOA_V

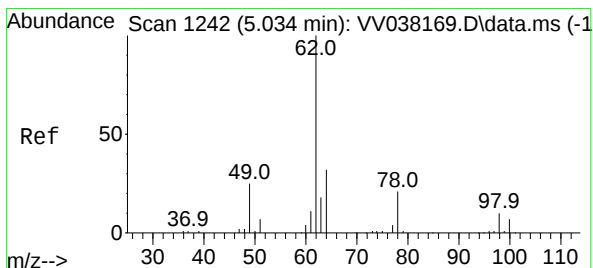
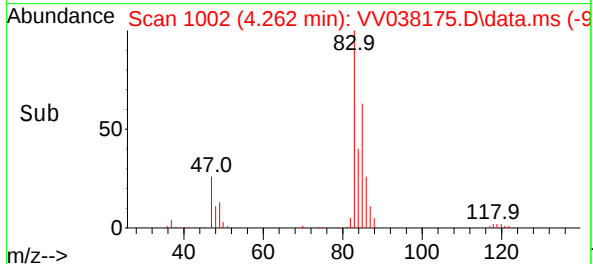
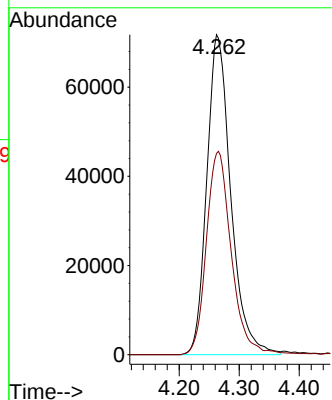
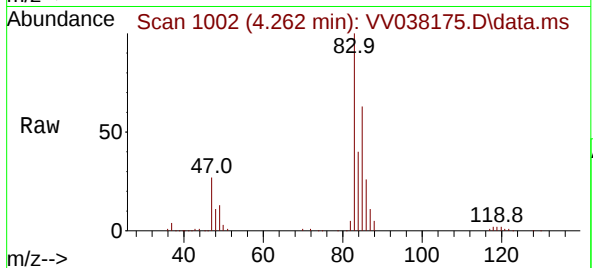
ClientSampleId :

Tgt Ion: 83 Resp: 199583

Ion Ratio Lower Upper

83 100

85 62.9 46.5 86.3



#27

1,2-Dichloroethane

Concen: 5.013 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. 0.000 min

Lab File: VV038175.D

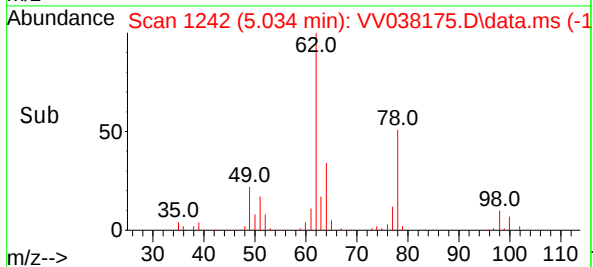
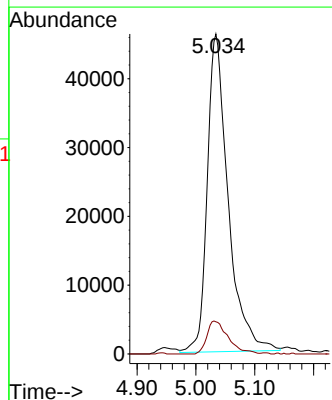
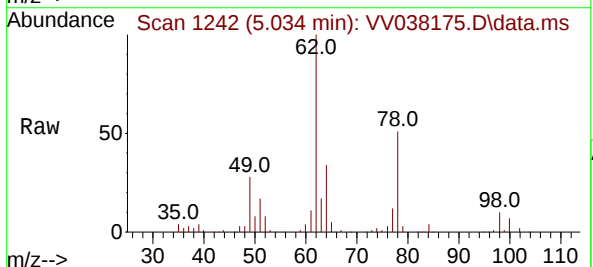
Acq: 19 Nov 2024 14:00

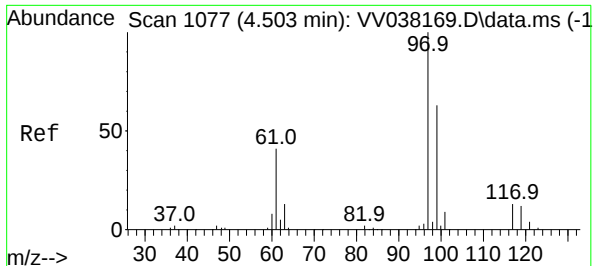
Tgt Ion: 62 Resp: 113881

Ion Ratio Lower Upper

62 100

98 10.1 8.2 12.4





#29

1,1,1-Trichloroethane

Concen: 4.794 ug/L

RT: 4.500 min Scan# 1077

Delta R.T. -0.003 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

Instrument :

MSVOA_V

ClientSampleId :

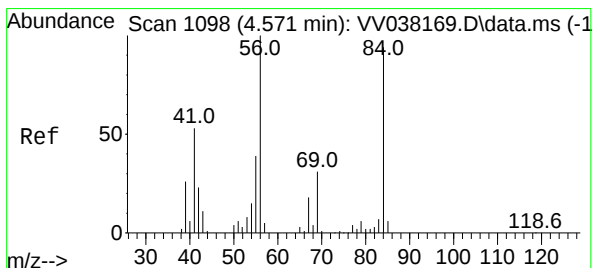
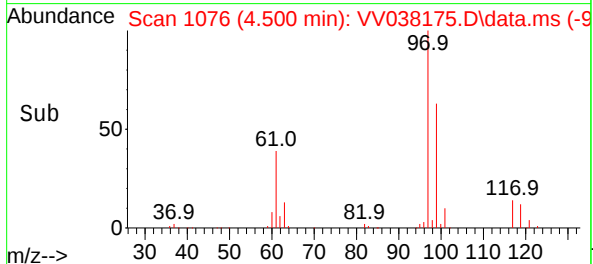
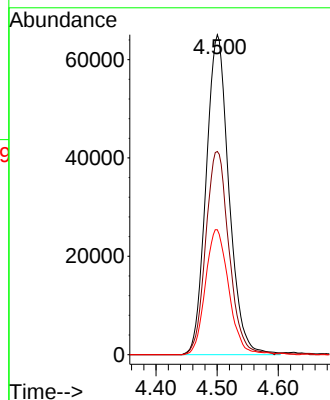
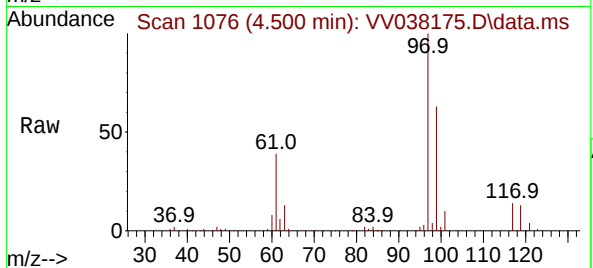
Tgt Ion: 97 Resp: 168957

Ion Ratio Lower Upper

97 100

99 64.8 51.8 77.8

61 40.2 32.2 48.2



#30

Cyclohexane

Concen: 4.448 ug/L

RT: 4.571 min Scan# 1098

Delta R.T. 0.000 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

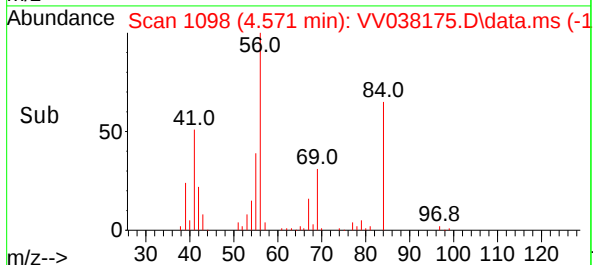
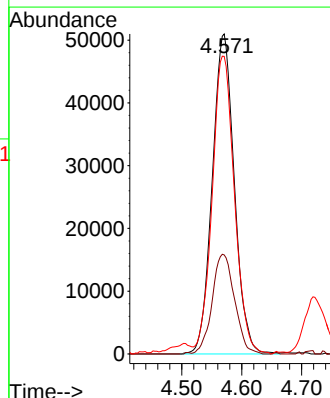
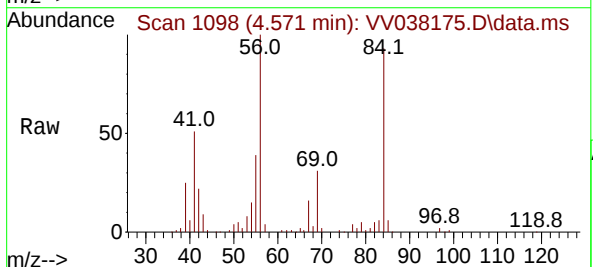
Tgt Ion: 56 Resp: 130010

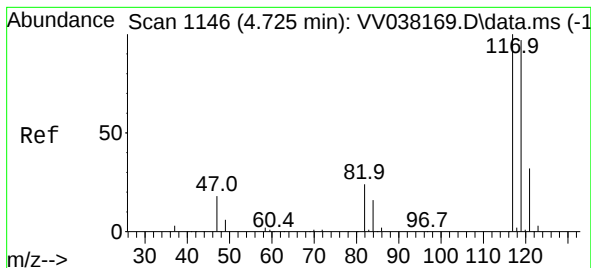
Ion Ratio Lower Upper

56 100

69 31.6 26.0 39.0

84 94.0 75.6 113.4





#31

Carbon tetrachloride

Concen: 4.684 ug/L

RT: 4.722 min Scan# 1145

Delta R.T. -0.003 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

Instrument :

MSVOA_V

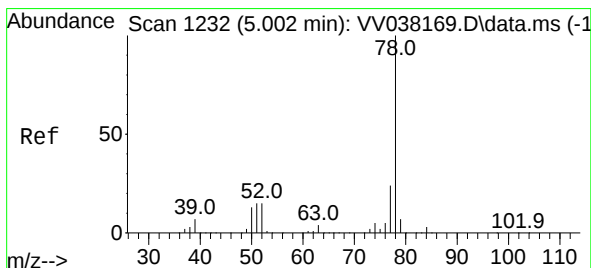
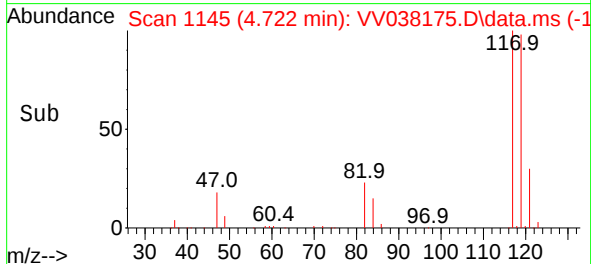
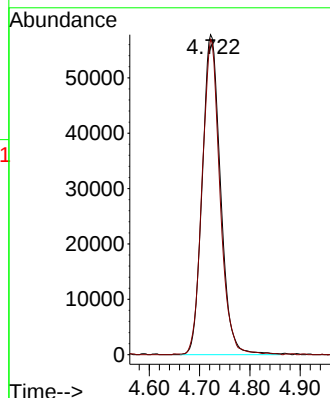
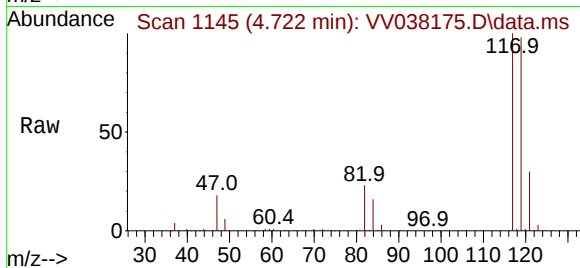
ClientSampleId :

Tgt Ion:117 Resp: 145618

Ion Ratio Lower Upper

117 100

119 95.2 77.4 116.2



#33

Benzene

Concen: 4.970 ug/L

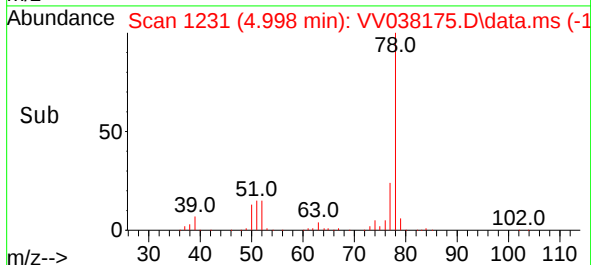
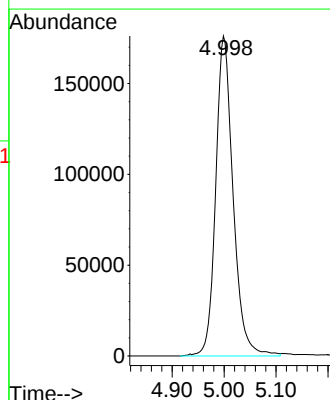
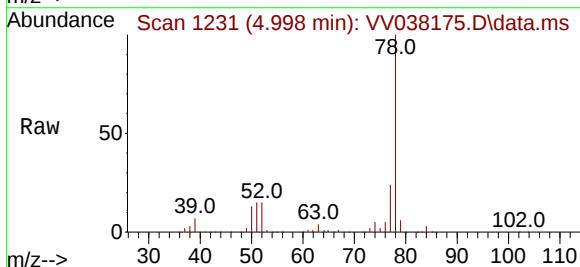
RT: 4.998 min Scan# 1231

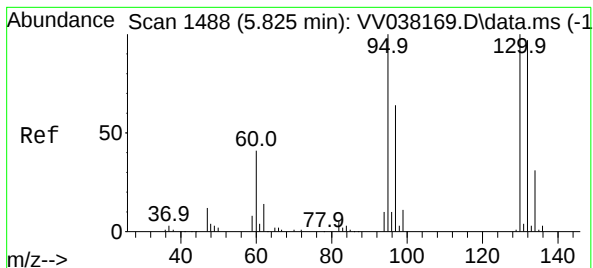
Delta R.T. -0.003 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

Tgt Ion: 78 Resp: 410203





#34

Trichloroethene

Concen: 4.760 ug/L

RT: 5.825 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 107092

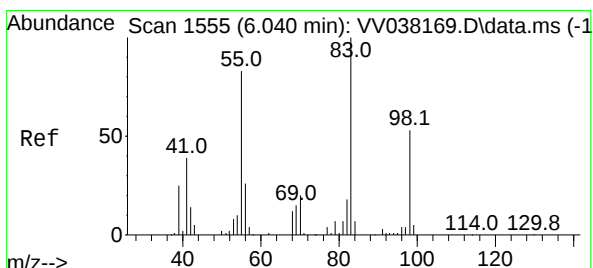
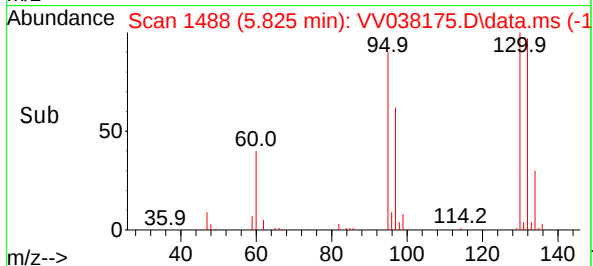
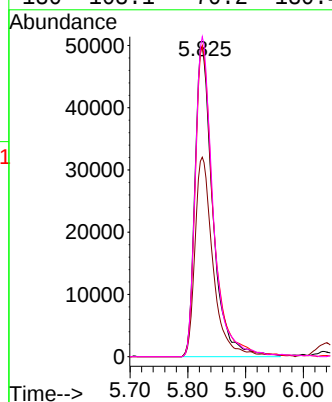
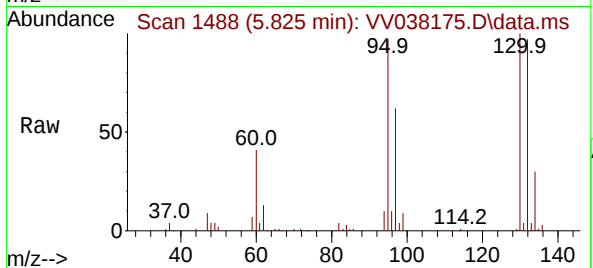
Ion Ratio Lower Upper

95 100

97 64.3 44.8 83.2

132 100.3 68.3 126.8

130 103.1 70.2 130.4



#35

Methylcyclohexane

Concen: 4.365 ug/L

RT: 6.040 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

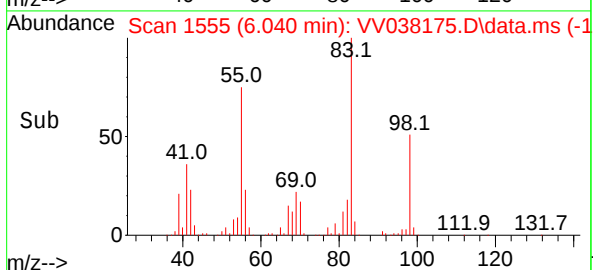
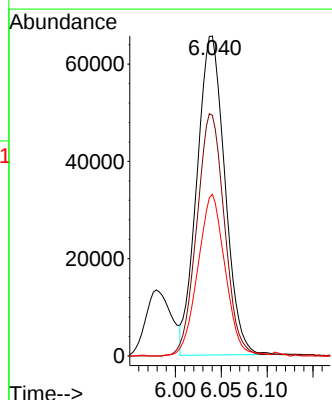
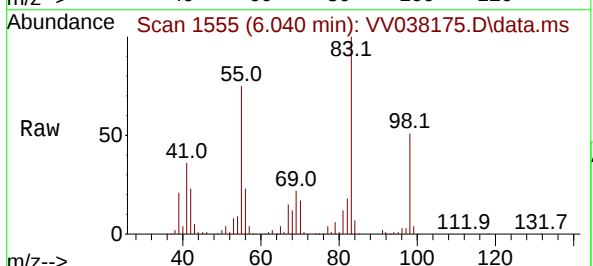
Tgt Ion: 83 Resp: 138937

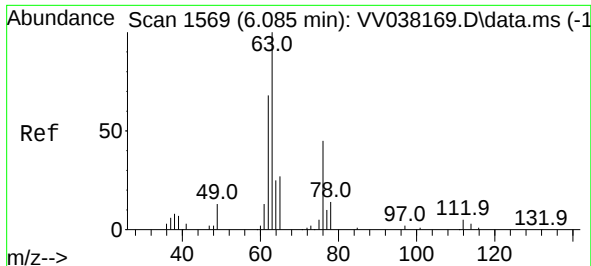
Ion Ratio Lower Upper

83 100

55 75.2 59.7 89.5

98 49.8 39.0 58.4

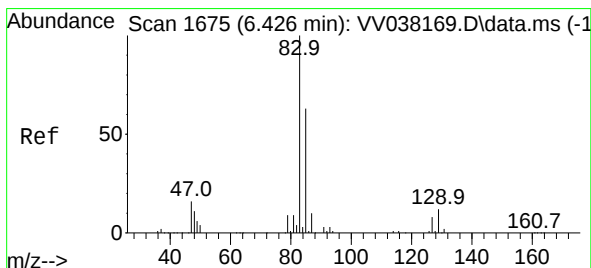
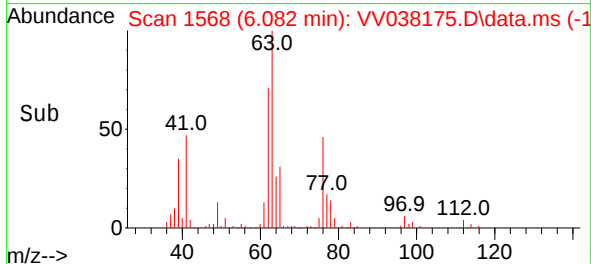
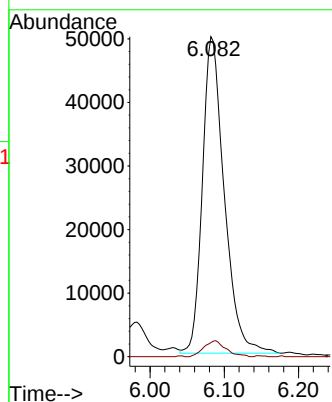
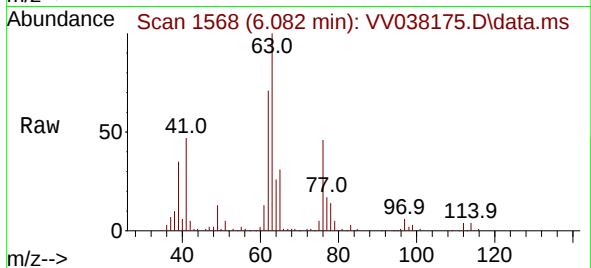




#37
1,2-Dichloropropane
Concen: 4.936 ug/L
RT: 6.082 min Scan# 1569
Delta R.T. -0.003 min
Lab File: VV038175.D
Acq: 19 Nov 2024 14:00

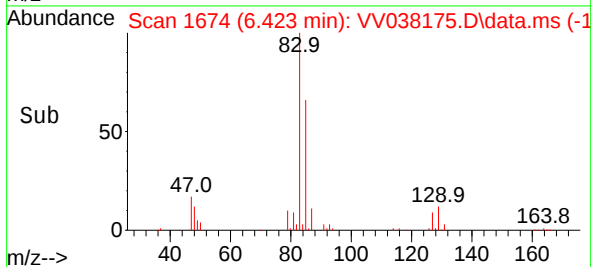
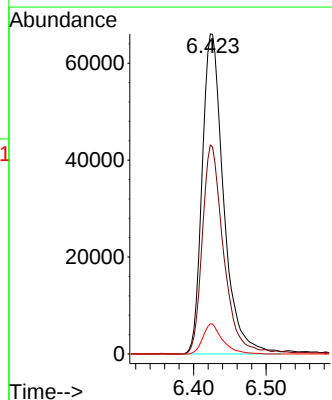
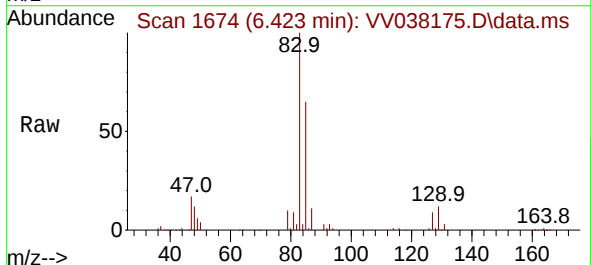
Instrument :
MSVOA_V
ClientSampleId :

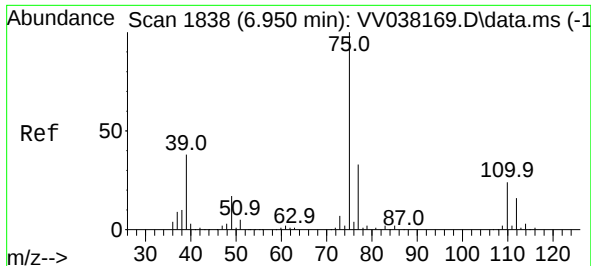
Tgt Ion: 63 Resp: 102054
Ion Ratio Lower Upper
63 100
112 5.0 3.9 5.9



#38
Bromodichloromethane
Concen: 4.893 ug/L
RT: 6.423 min Scan# 1674
Delta R.T. -0.003 min
Lab File: VV038175.D
Acq: 19 Nov 2024 14:00

Tgt Ion: 83 Resp: 135988
Ion Ratio Lower Upper
83 100
85 65.3 43.9 81.5
127 9.4 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 4.923 ug/L

RT: 6.947 min Scan# 1837

Delta R.T. -0.003 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

Instrument :

MSVOA_V

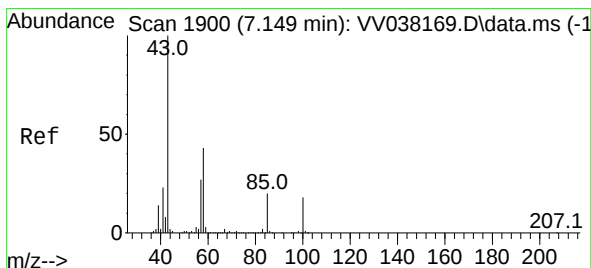
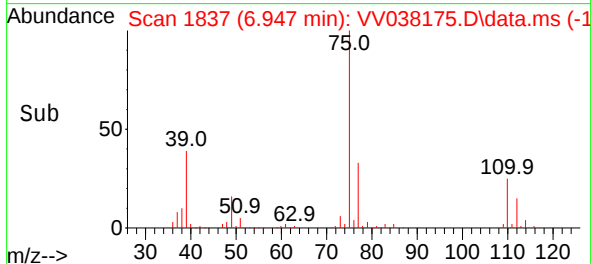
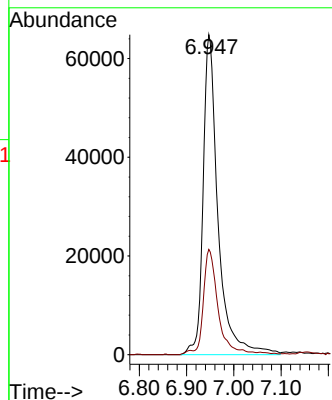
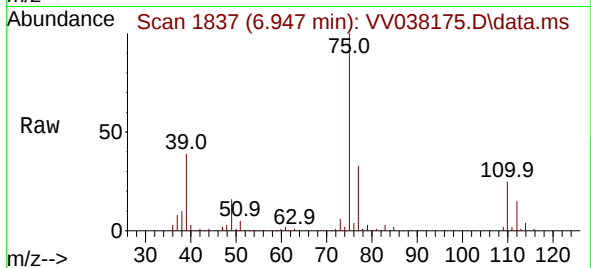
ClientSampleId :

Tgt Ion: 75 Resp: 142079

Ion Ratio Lower Upper

75 100

77 32.9 23.4 43.6



#40

4-Methyl-2-pentanone

Concen: 51.641 ug/L

RT: 7.149 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

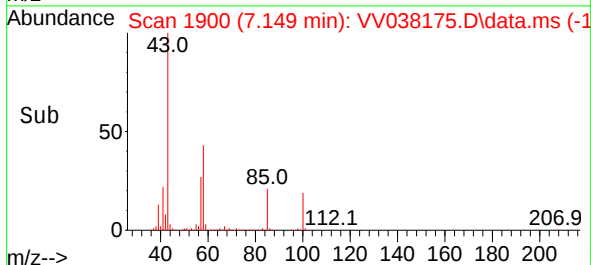
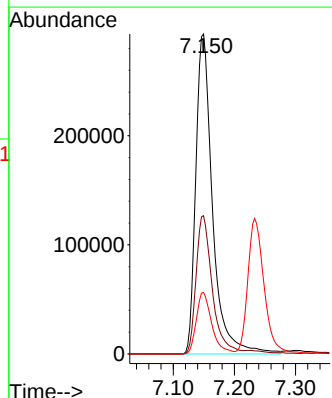
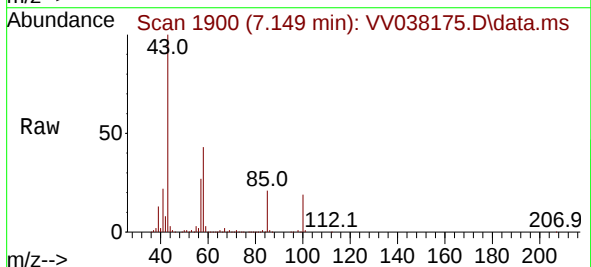
Tgt Ion: 43 Resp: 558797

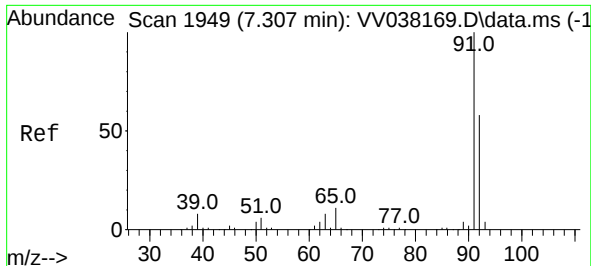
Ion Ratio Lower Upper

43 100

58 41.8 33.4 50.2

100 17.8 14.3 21.5





#42

Toluene

Concen: 4.964 ug/L

RT: 7.307 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

Instrument :

MSVOA_V

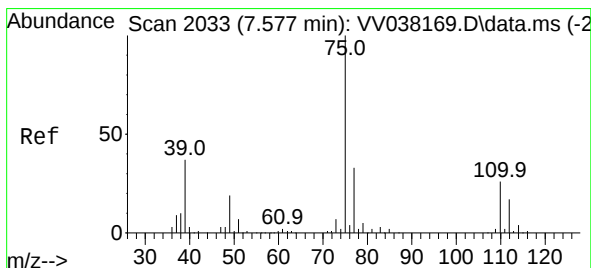
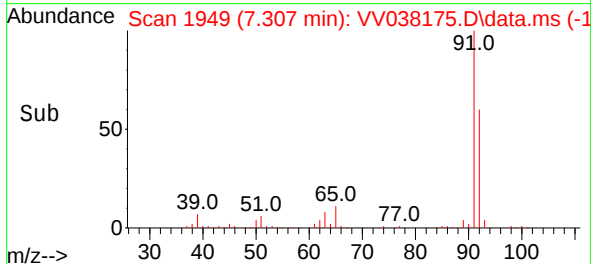
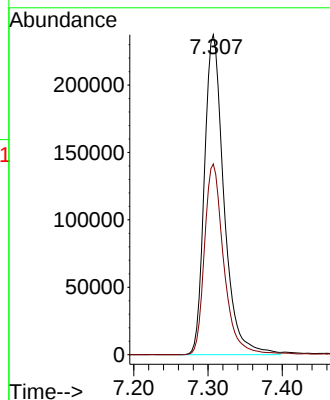
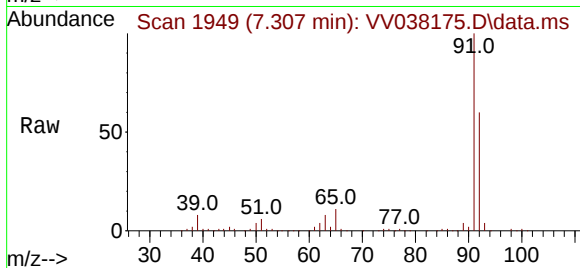
ClientSampleId :

Tgt Ion: 91 Resp: 433903

Ion Ratio Lower Upper

91 100

92 59.6 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 5.028 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV038175.D

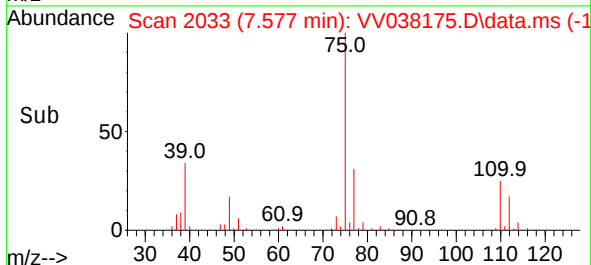
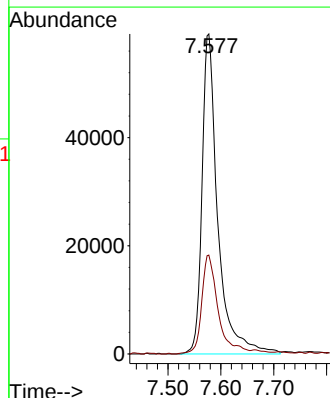
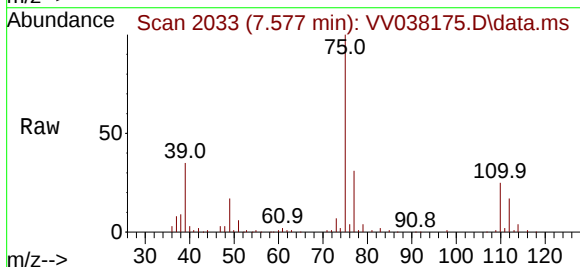
Acq: 19 Nov 2024 14:00

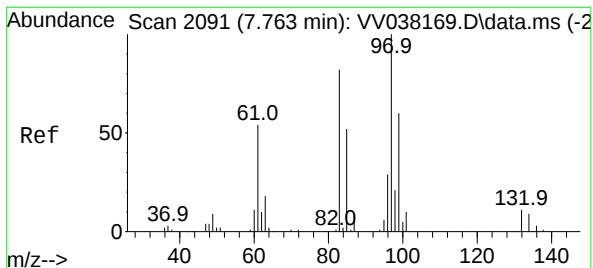
Tgt Ion: 75 Resp: 122585

Ion Ratio Lower Upper

75 100

77 30.9 23.4 43.4





#45

1,1,2-Trichloroethane

Concen: 4.894 ug/L

RT: 7.760 min Scan# 2091

Delta R.T. -0.003 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 82067

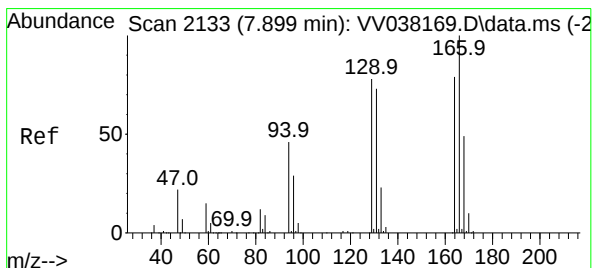
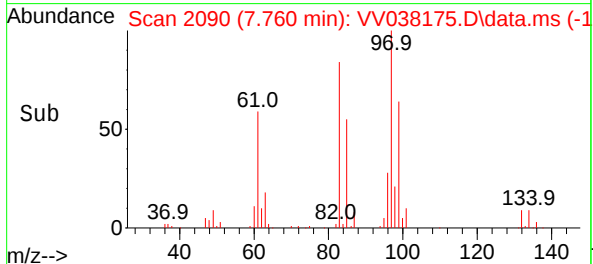
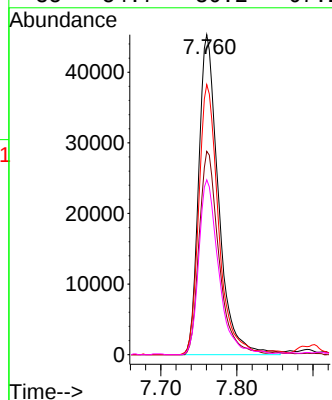
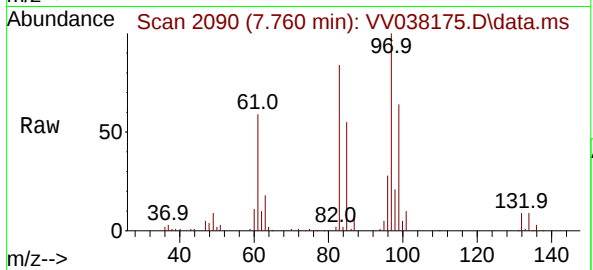
Ion Ratio Lower Upper

97 100

99 63.5 41.9 77.7

83 84.4 57.7 107.1

85 54.7 36.2 67.2



#47

Tetrachloroethene

Concen: 4.606 ug/L

RT: 7.895 min Scan# 2132

Delta R.T. -0.003 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

Tgt Ion:164 Resp: 83270

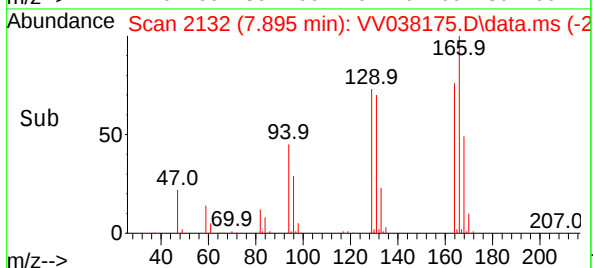
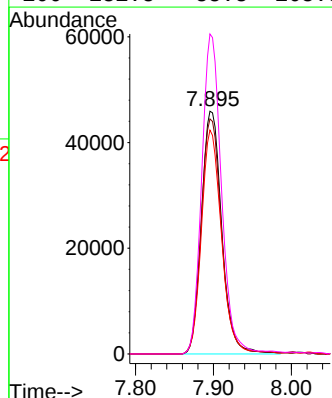
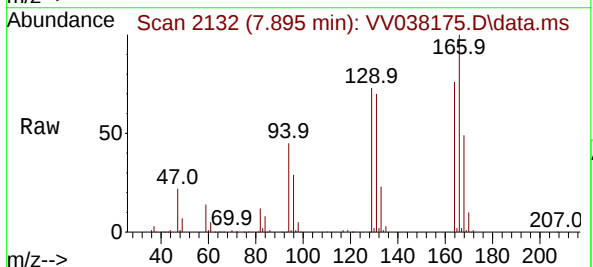
Ion Ratio Lower Upper

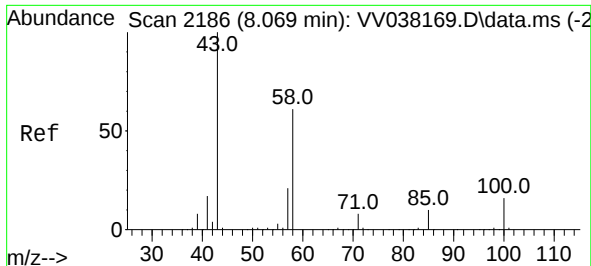
164 100

129 96.8 68.5 127.1

131 92.2 64.8 120.4

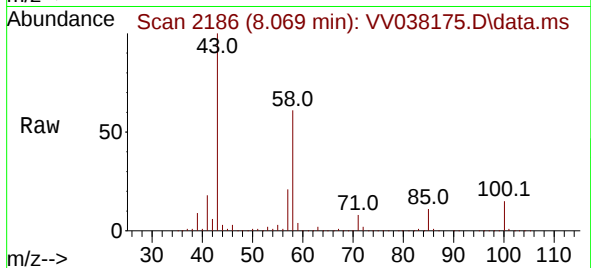
166 131.8 88.3 163.9



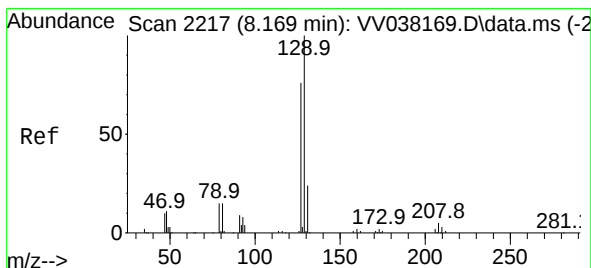
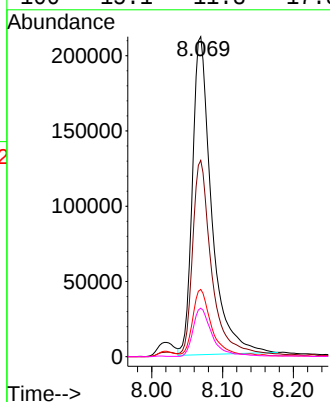
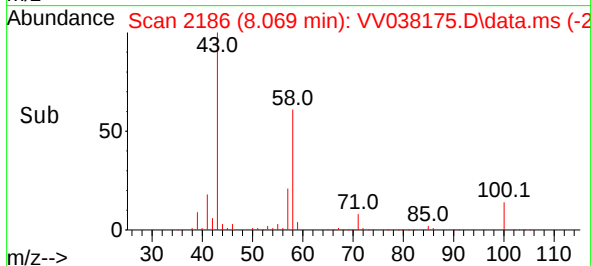


#48
2-Hexanone
Concen: 50.647 ug/L
RT: 8.069 min Scan# 2186
Delta R.T. 0.000 min
Lab File: VV038175.D
Acq: 19 Nov 2024 14:00

Instrument :
MSVOA_V
ClientSampleId :

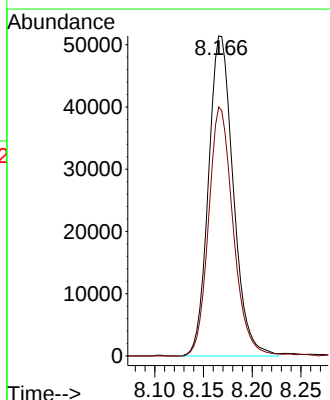
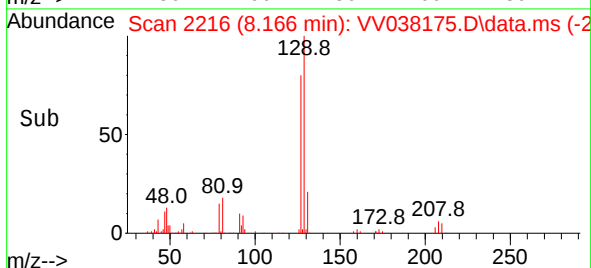
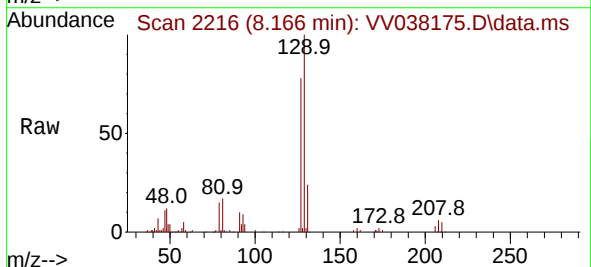


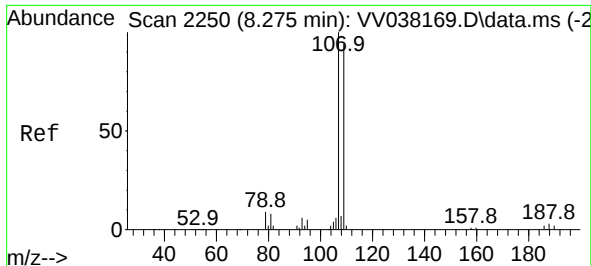
Tgt Ion: 43 Resp: 397417
Ion Ratio Lower Upper
43 100
58 60.7 49.2 73.8
57 19.4 16.9 25.3
100 15.1 11.8 17.8



#49
Dibromochloromethane
Concen: 4.994 ug/L
RT: 8.166 min Scan# 2216
Delta R.T. -0.003 min
Lab File: VV038175.D
Acq: 19 Nov 2024 14:00

Tgt Ion: 129 Resp: 91289
Ion Ratio Lower Upper
129 100
127 77.8 53.5 99.3

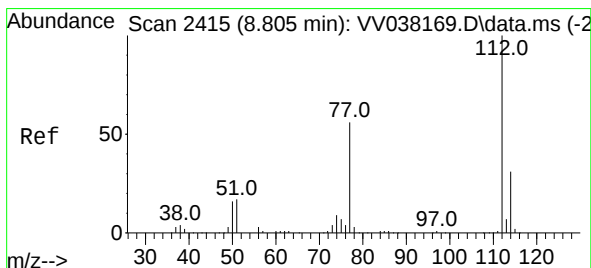
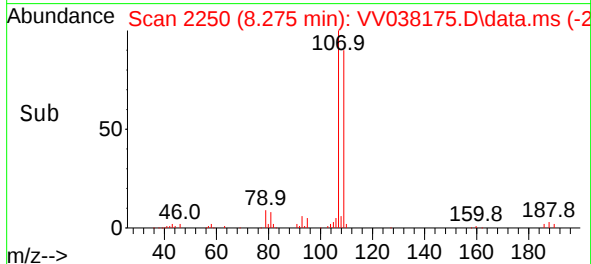
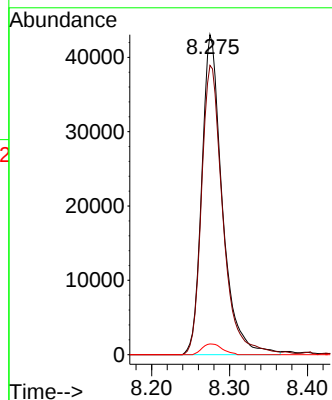
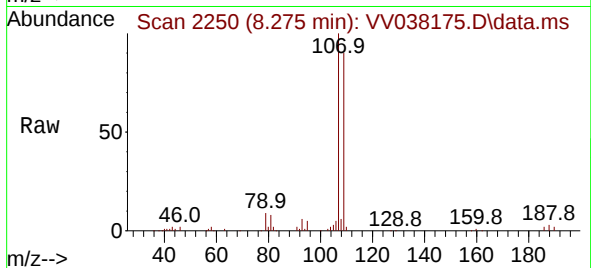




#50
1,2-Dibromoethane
Concen: 5.074 ug/L
RT: 8.275 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV038175.D
Acq: 19 Nov 2024 14:00

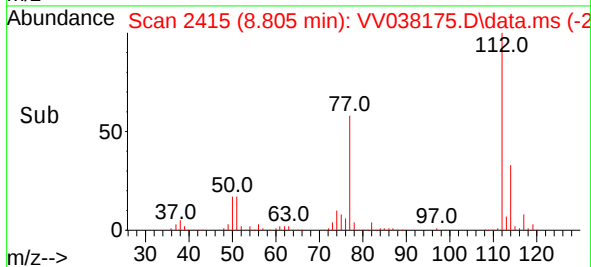
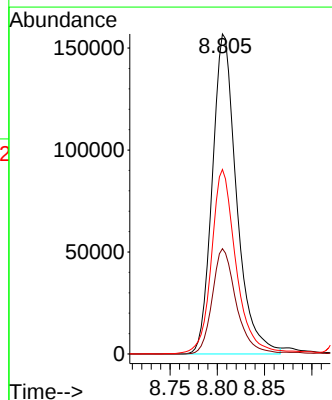
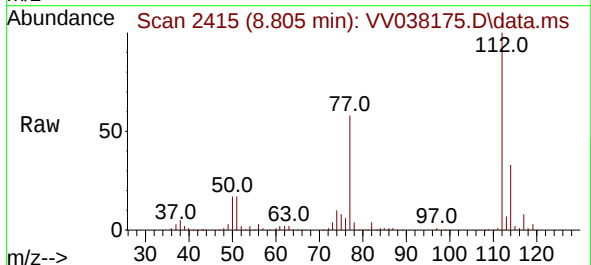
Instrument :
MSVOA_V
ClientSampleId :

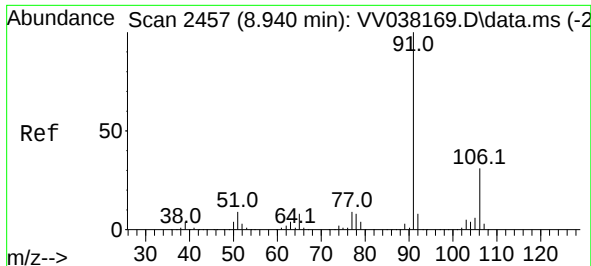
Tgt Ion:107 Resp: 78872
Ion Ratio Lower Upper
107 100
109 90.4 66.1 122.7
188 3.4 2.6 3.8



#51
Chlorobenzene
Concen: 4.656 ug/L
RT: 8.805 min Scan# 2415
Delta R.T. 0.000 min
Lab File: VV038175.D
Acq: 19 Nov 2024 14:00

Tgt Ion:112 Resp: 280423
Ion Ratio Lower Upper
112 100
114 32.9 22.0 40.8
77 57.7 45.0 67.4





#52

Ethylbenzene

Concen: 4.788 ug/L

RT: 8.937 min Scan# 2456

Delta R.T. -0.003 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

Instrument :

MSVOA_V

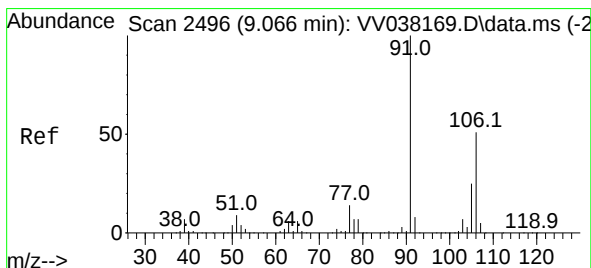
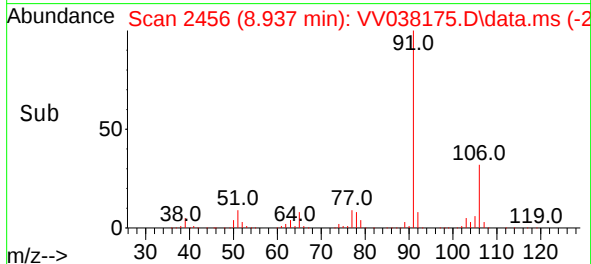
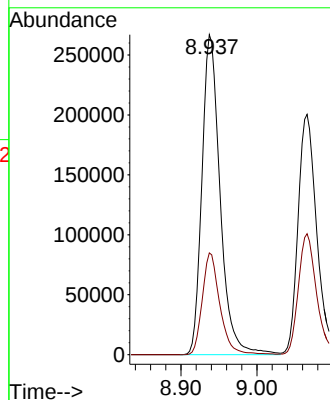
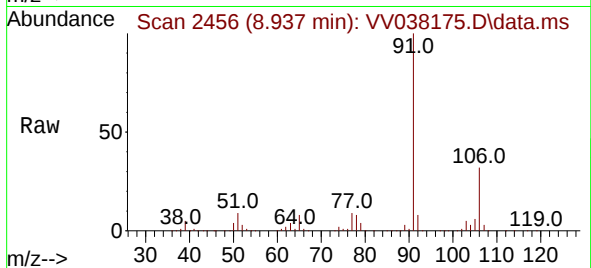
ClientSampleId :

Tgt Ion: 91 Resp: 443978

Ion Ratio Lower Upper

91 100

106 31.8 21.8 40.4



#53

m,p-Xylene

Concen: 4.889 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. 0.000 min

Lab File: VV038175.D

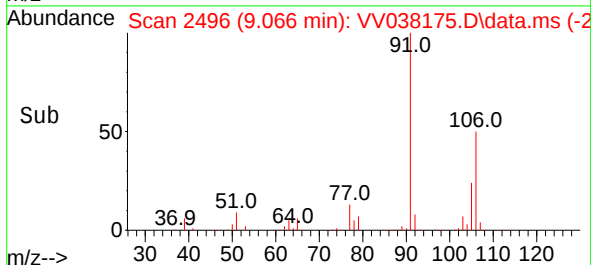
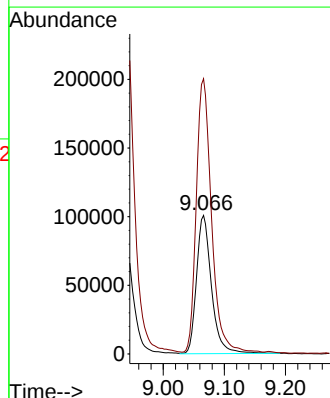
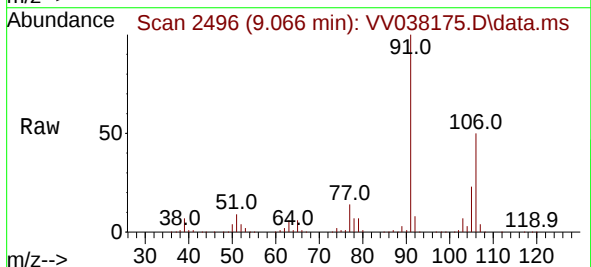
Acq: 19 Nov 2024 14:00

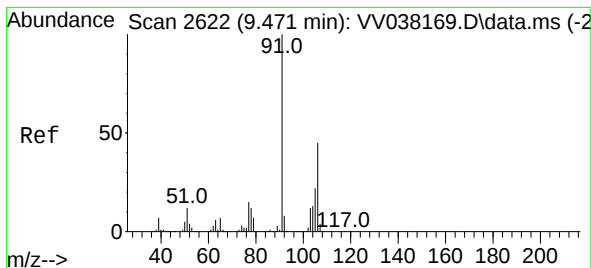
Tgt Ion:106 Resp: 171086

Ion Ratio Lower Upper

106 100

91 198.6 138.7 257.5





#54

o-Xylene

Concen: 4.784 ug/L

RT: 9.471 min Scan# 2622

Delta R.T. 0.000 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

Instrument :

MSVOA_V

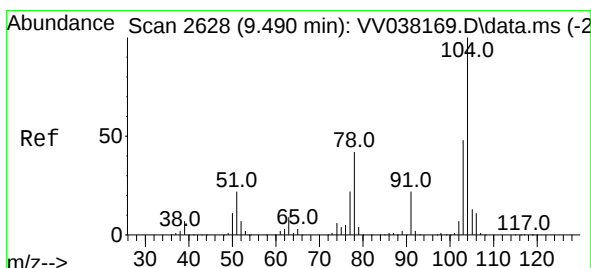
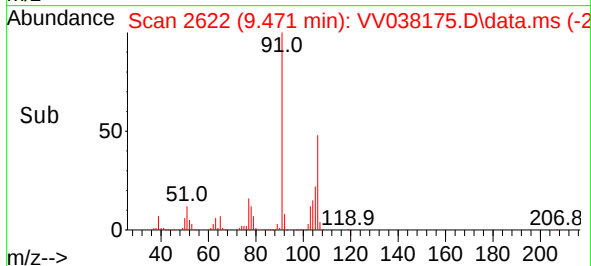
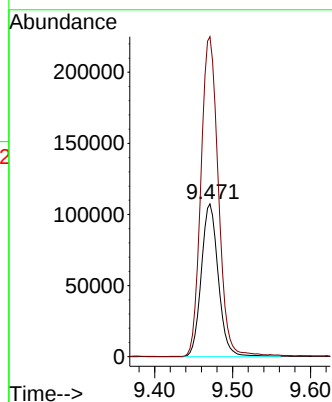
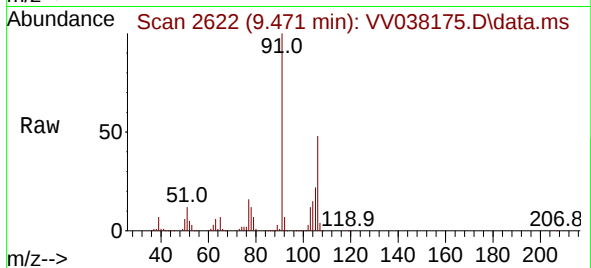
ClientSampleId :

Tgt Ion:106 Resp: 162967

Ion Ratio Lower Upper

106 100

91 209.3 155.5 288.7



#55

Styrene

Concen: 4.978 ug/L

RT: 9.490 min Scan# 2628

Delta R.T. 0.000 min

Lab File: VV038175.D

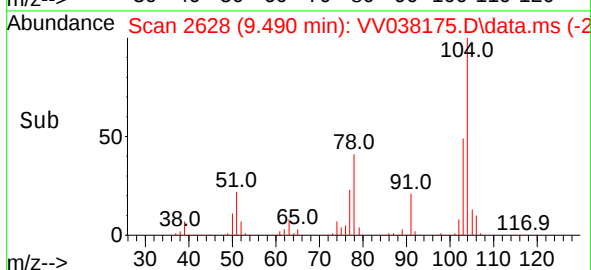
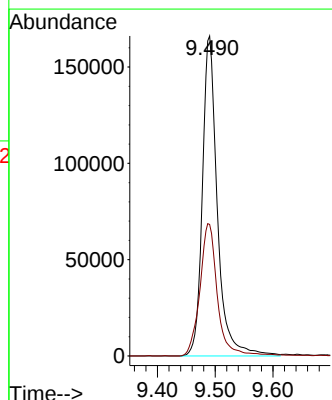
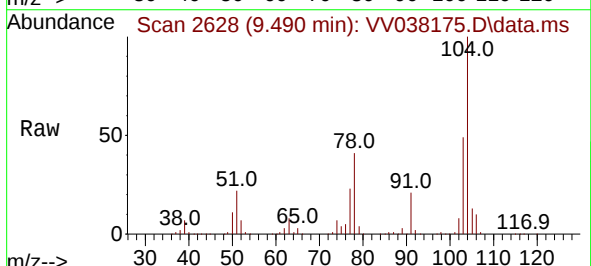
Acq: 19 Nov 2024 14:00

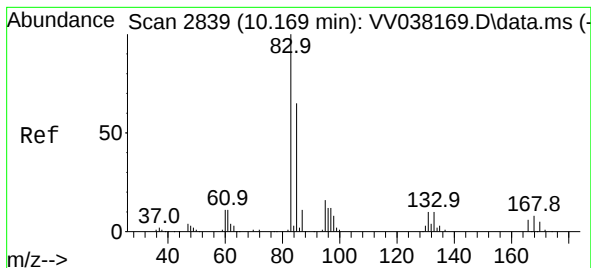
Tgt Ion:104 Resp: 298965

Ion Ratio Lower Upper

104 100

78 41.1 29.7 55.1

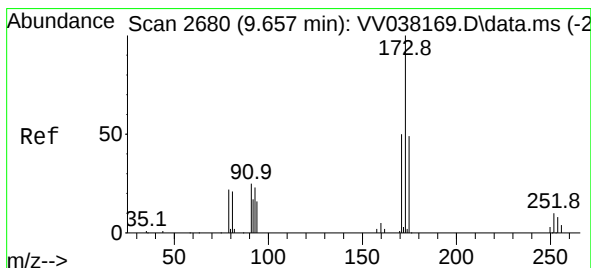
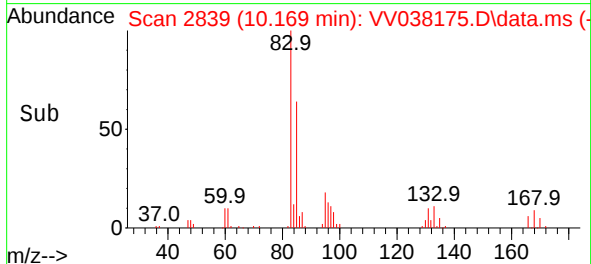
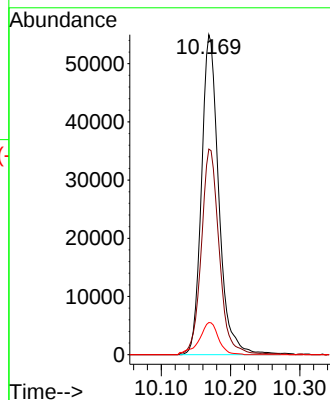
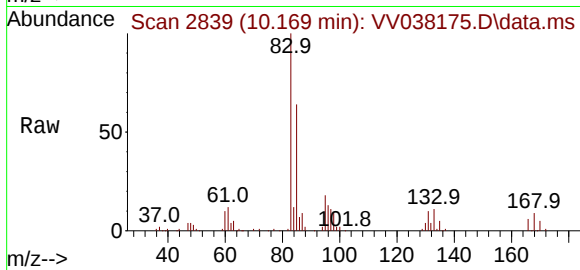




#57
1,1,2,2-Tetrachloroethane
Concen: 4.864 ug/L
RT: 10.169 min Scan# 2839
Delta R.T. 0.000 min
Lab File: VV038175.D
Acq: 19 Nov 2024 14:00

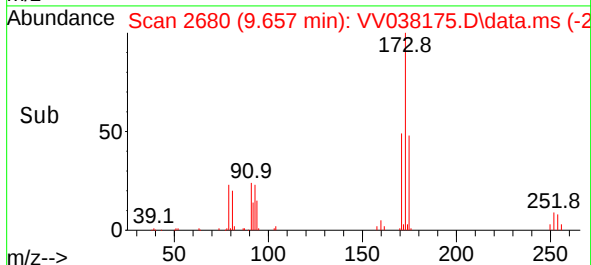
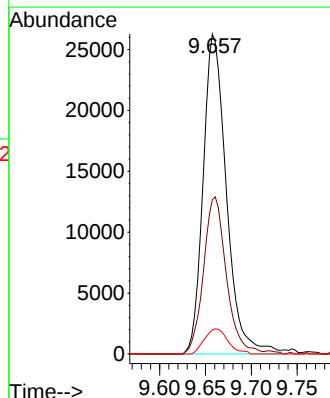
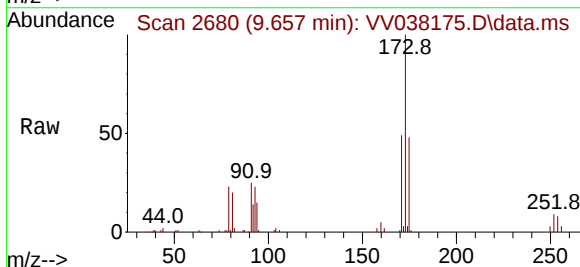
Instrument :
MSVOA_V
ClientSampleId :

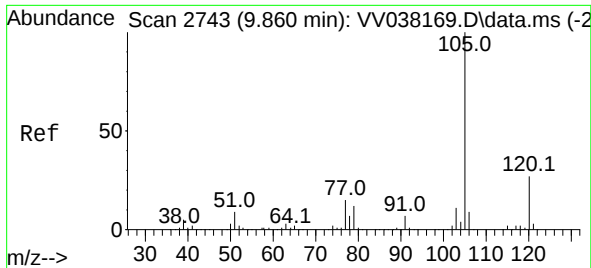
Tgt Ion: 83 Resp: 95357
Ion Ratio Lower Upper
83 100
85 64.3 45.7 84.9
131 10.0 8.2 12.4



#59
Bromoform
Concen: 5.015 ug/L
RT: 9.657 min Scan# 2680
Delta R.T. 0.000 min
Lab File: VV038175.D
Acq: 19 Nov 2024 14:00

Tgt Ion: 173 Resp: 46350
Ion Ratio Lower Upper
173 100
175 48.1 38.5 57.7
254 7.9 6.9 10.3

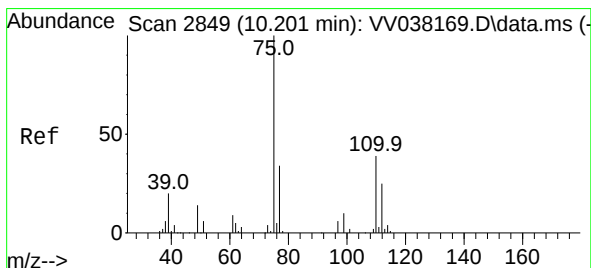
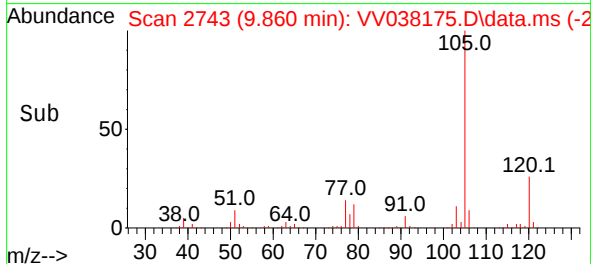
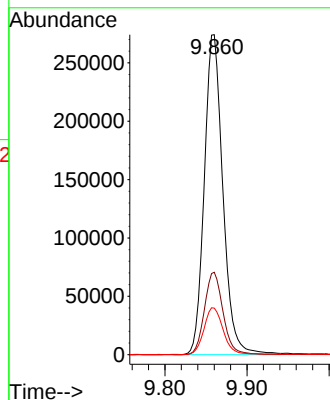
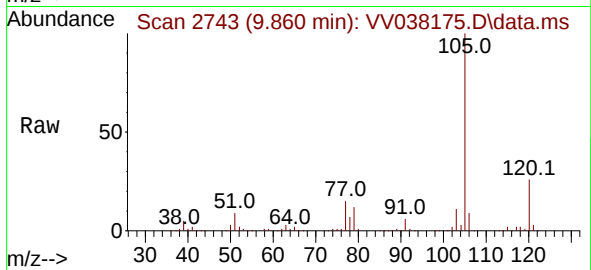




#60
Isopropylbenzene
Concen: 4.720 ug/L
RT: 9.860 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV038175.D
Acq: 19 Nov 2024 14:00

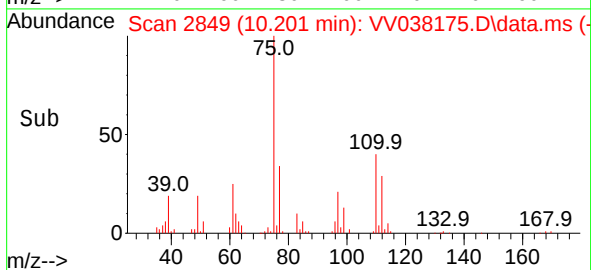
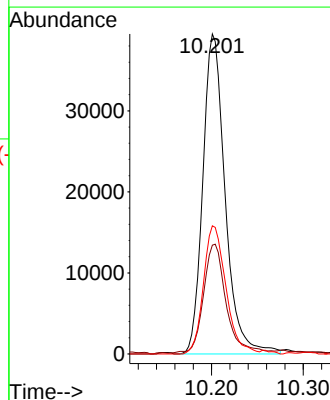
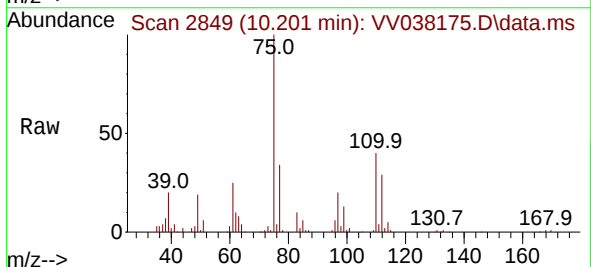
Instrument :
MSVOA_V
ClientSampleId :

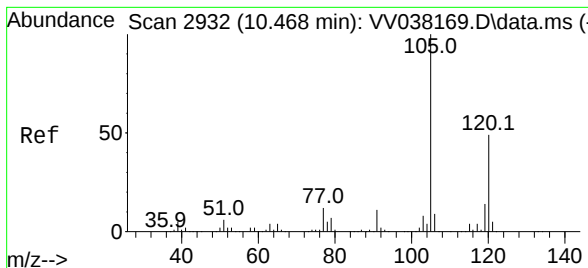
Tgt Ion:105 Resp: 431742
Ion Ratio Lower Upper
105 100
120 25.9 20.8 31.2
77 15.1 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 4.916 ug/L
RT: 10.201 min Scan# 2849
Delta R.T. 0.000 min
Lab File: VV038175.D
Acq: 19 Nov 2024 14:00

Tgt Ion: 75 Resp: 66830
Ion Ratio Lower Upper
75 100
77 34.4 26.4 39.6
110 40.3 32.3 48.5





#62

1,3,5-Trimethylbenzene

Concen: 4.565 ug/L

RT: 10.468 min Scan# 2932

Delta R.T. 0.000 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

Instrument :

MSVOA_V

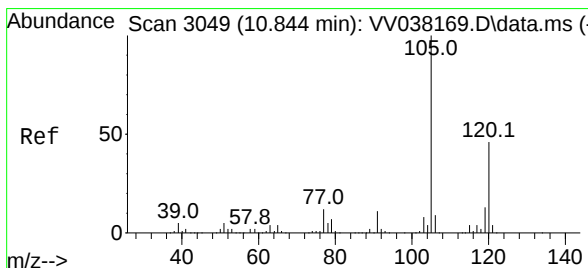
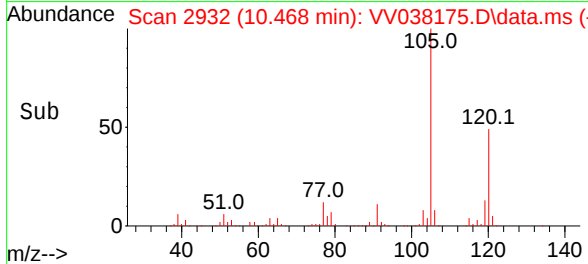
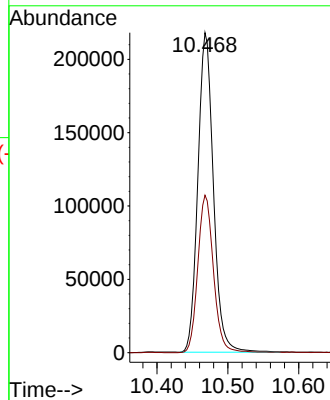
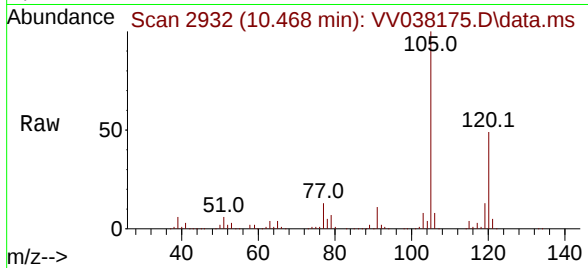
ClientSampleId :

Tgt Ion:105 Resp: 331283

Ion Ratio Lower Upper

105 100

120 49.9 39.2 58.8



#63

1,2,4-Trimethylbenzene

Concen: 4.732 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VV038175.D

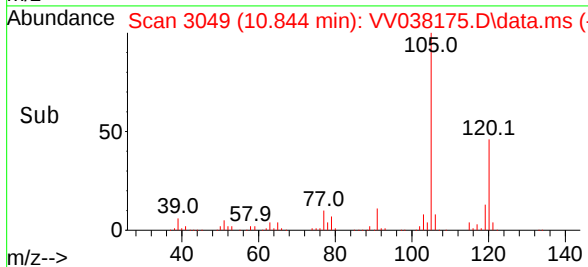
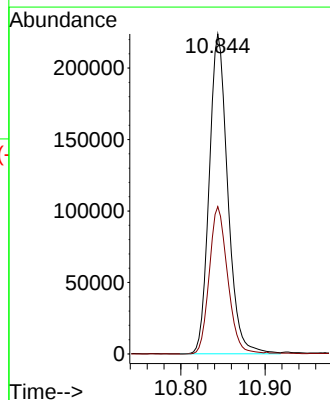
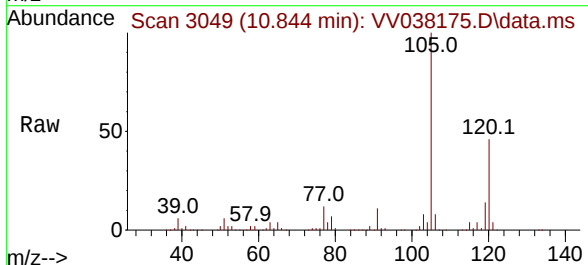
Acq: 19 Nov 2024 14:00

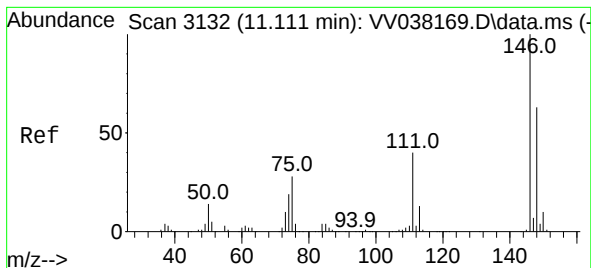
Tgt Ion:105 Resp: 342472

Ion Ratio Lower Upper

105 100

120 45.6 37.0 55.4





#64

1,3-Dichlorobenzene

Concen: 4.661 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. 0.000 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

Instrument :

MSVOA_V

ClientSampleId :

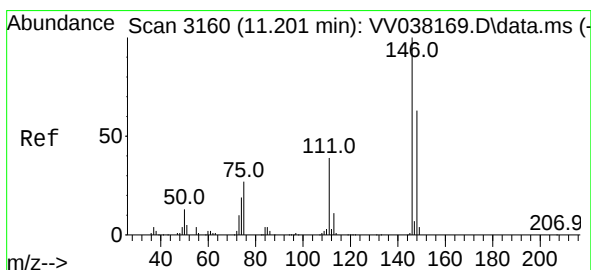
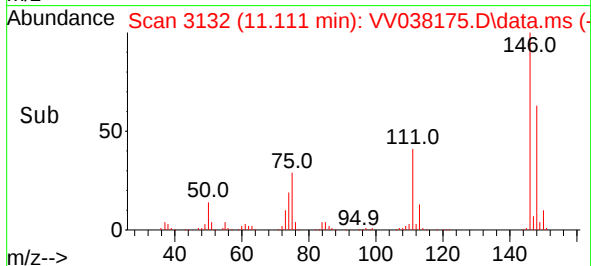
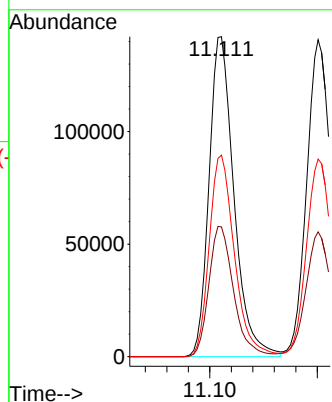
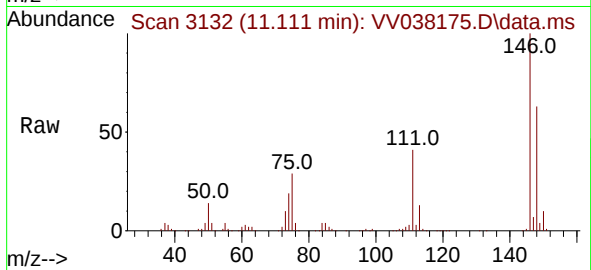
Tgt Ion:146 Resp: 228917

Ion Ratio Lower Upper

146 100

111 40.5 28.2 52.4

148 63.0 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 4.793 ug/L

RT: 11.201 min Scan# 3160

Delta R.T. 0.000 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

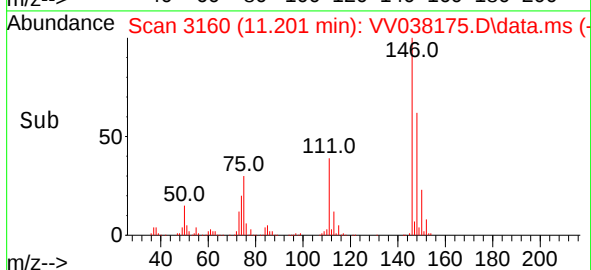
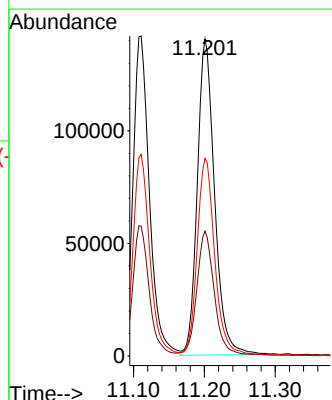
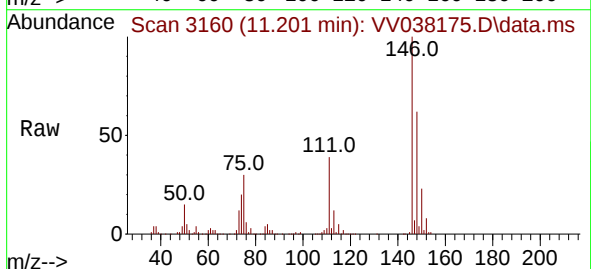
Tgt Ion:146 Resp: 237981

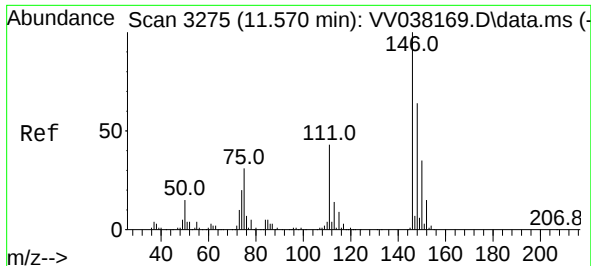
Ion Ratio Lower Upper

146 100

111 39.4 27.4 50.8

148 62.4 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 4.720 ug/L

RT: 11.571 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

Instrument :

MSVOA_V

ClientSampleId :

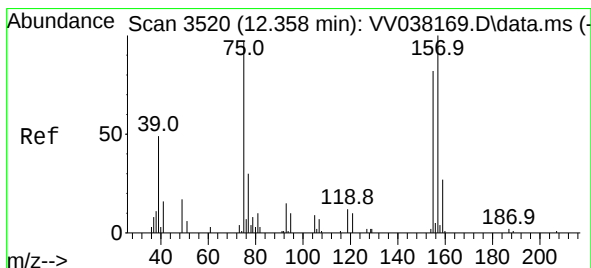
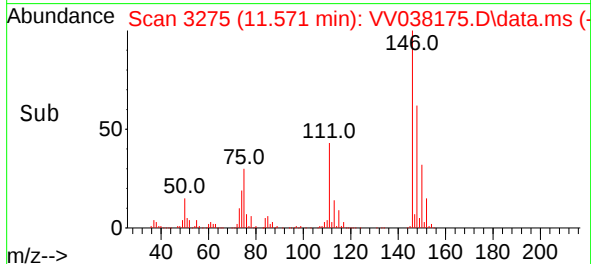
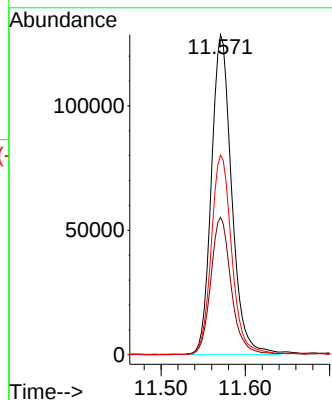
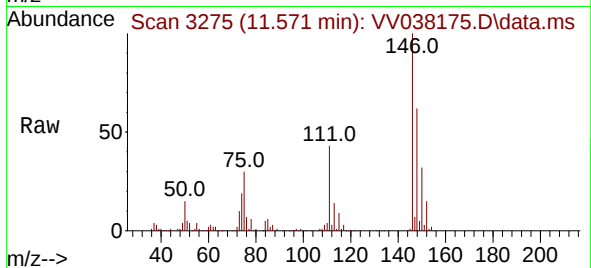
Tgt Ion:146 Resp: 214542

Ion Ratio Lower Upper

146 100

111 43.0 34.2 51.2

148 62.4 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.739 ug/L

RT: 12.362 min Scan# 3521

Delta R.T. 0.003 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

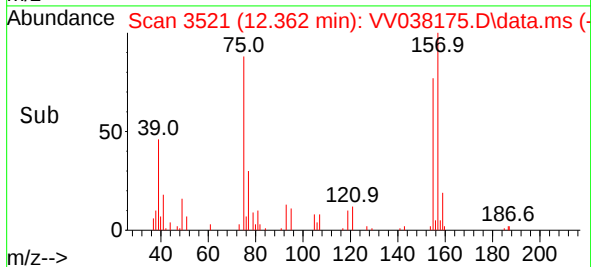
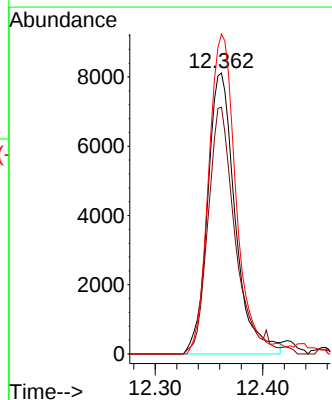
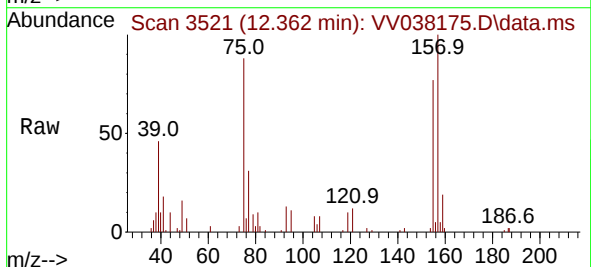
Tgt Ion: 75 Resp: 14463

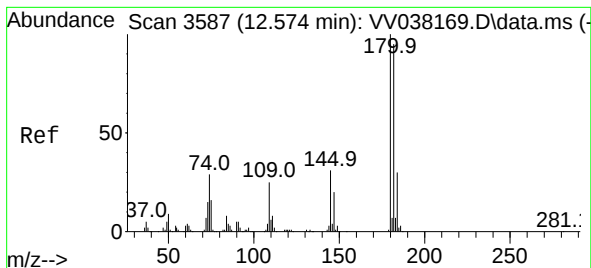
Ion Ratio Lower Upper

75 100

155 87.8 67.5 101.3

157 113.9 82.7 124.1





#69

1,3,5-Trichlorobenzene

Concen: 4.531 ug/L

RT: 12.574 min Scan# 3587

Delta R.T. 0.000 min

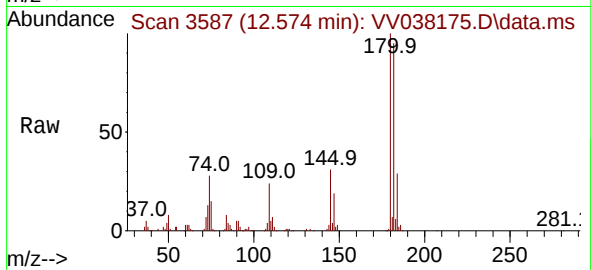
Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 157633

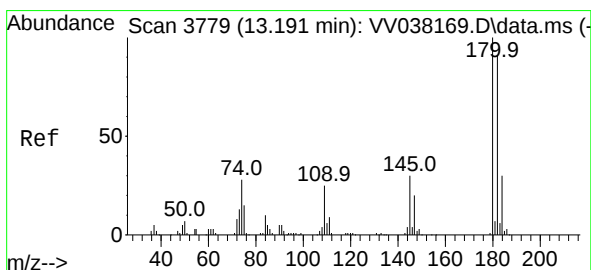
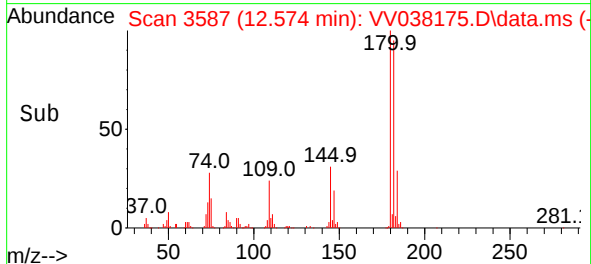
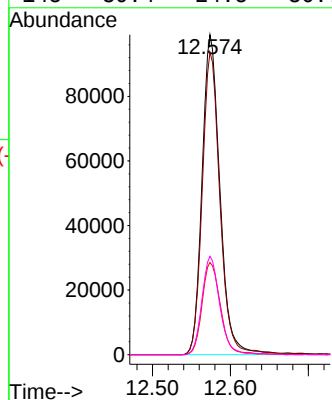
Ion Ratio Lower Upper

180 100

182 93.9 76.0 114.0

184 29.5 23.7 35.5

145 30.4 24.5 36.7



#70

1,2,4-trichlorobenzene

Concen: 4.494 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. 0.000 min

Lab File: VV038175.D

Acq: 19 Nov 2024 14:00

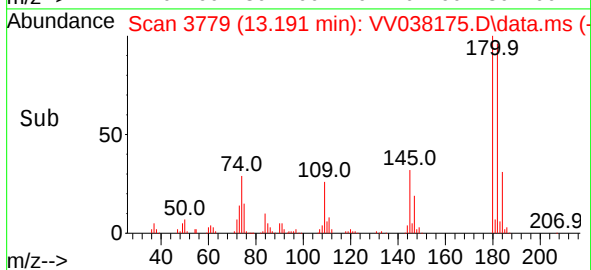
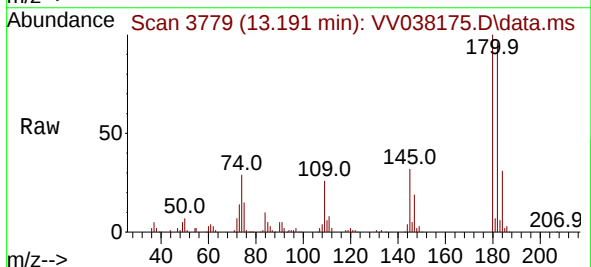
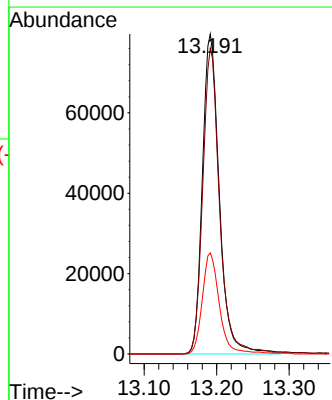
Tgt Ion:180 Resp: 129238

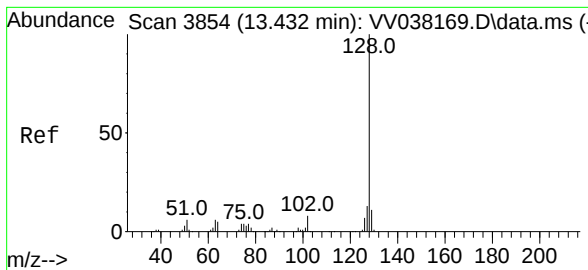
Ion Ratio Lower Upper

180 100

182 94.9 73.8 110.8

145 32.0 24.6 37.0

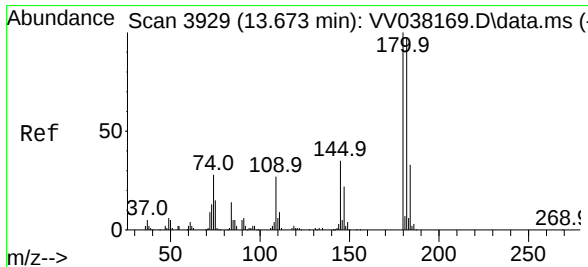
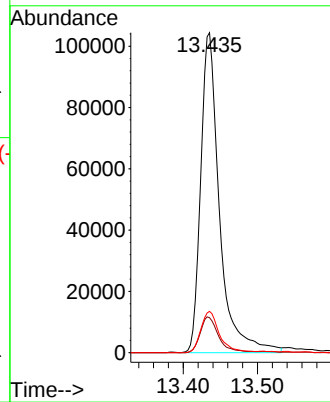
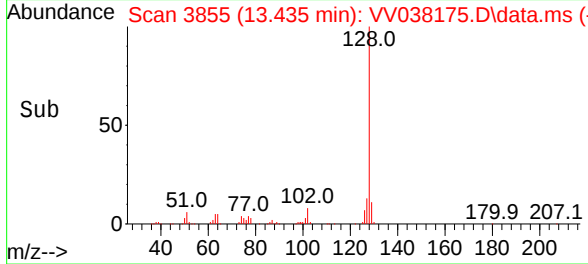
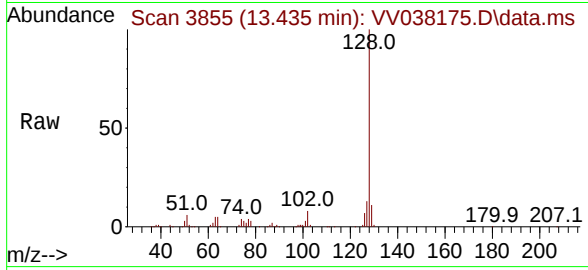




#71
Naphthalene
Concen: 4.110 ug/L
RT: 13.435 min Scan# 3854
Delta R.T. 0.003 min
Lab File: VV038175.D
Acq: 19 Nov 2024 14:00

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 183876
Ion Ratio Lower Upper
128 100
129 10.8 8.5 12.7
127 12.8 10.1 15.1



#72
1,2,3-Trichlorobenzene
Concen: 4.472 ug/L
RT: 13.673 min Scan# 3929
Delta R.T. 0.000 min
Lab File: VV038175.D
Acq: 19 Nov 2024 14:00

Tgt Ion:180 Resp: 118823
Ion Ratio Lower Upper
180 100
182 94.6 75.1 112.7
145 33.4 27.0 40.4

