

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW092223\
 Data File : VW032155.D
 Acq On : 22 Sep 2023 10:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 23 01:15:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 21 01:37:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	244376	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	235521	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	126376	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	75686	49.488	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.980%
7) Chloroethane-d5	1.529	69	62224	46.412	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.820%
11) 1,1-Dichloroethene-d2	2.059	65	31879	44.515	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.040%
21) 2-Butanone-d5	3.783	46	113408	94.282	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.280%
24) Chloroform-d	4.249	84	146475	43.817	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.640%
26) 1,2-Dichloroethane-d4	4.940	65	88213	39.764	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.520%
32) Benzene-d6	4.960	84	289360	45.025	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.040%
36) 1,2-Dichloropropane-d6	5.989	67	95066	45.958	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.920%
41) Toluene-d8	7.246	98	263351	44.473	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.940%
43) trans-1,3-Dichloroprop...	7.554	79	45225	42.182	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.360%
47) 2-Hexanone-d5	8.027	63	73967	116.667	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.670%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	127919	47.855	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.720%
66) 1,2-Dichlorobenzene-d4	11.564	152	103845	45.076	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	64396	43.285	ug/L	97
3) Chloromethane	1.214	50	71310	47.007	ug/L	99
5) Vinyl chloride	1.281	62	76033	46.931	ug/L	98
6) Bromomethane	1.484	94	46408	48.651	ug/L	97
8) Chloroethane	1.545	64	52557	48.814	ug/L	97
9) Trichlorofluoromethane	1.712	101	118009	49.969	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	77999	54.701	ug/L	98
12) 1,1-Dichloroethene	2.069	96	61934	48.357	ug/L	87
13) Acetone	2.111	43	123811	115.645	ug/L	98
14) Carbon disulfide	2.240	76	122213	41.877	ug/L	99
15) Methyl Acetate	2.371	43	106989	56.032	ug/L	98
16) Methylene chloride	2.445	84	87118	52.931	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	69208	49.288	ug/L	91
18) Methyl tert-butyl Ether	2.703	73	305750	51.522	ug/L	97
19) 1,1-Dichloroethane	3.111	63	166696	52.973	ug/L	98
20) cis-1,2-Dichloroethene	3.815	96	93902	53.303	ug/L	92
22) 2-Butanone	3.863	43	160361	113.196	ug/L	97
23) Bromochloromethane	4.146	128	46232	54.093	ug/L	98
25) Chloroform	4.275	83	171000	52.265	ug/L	97

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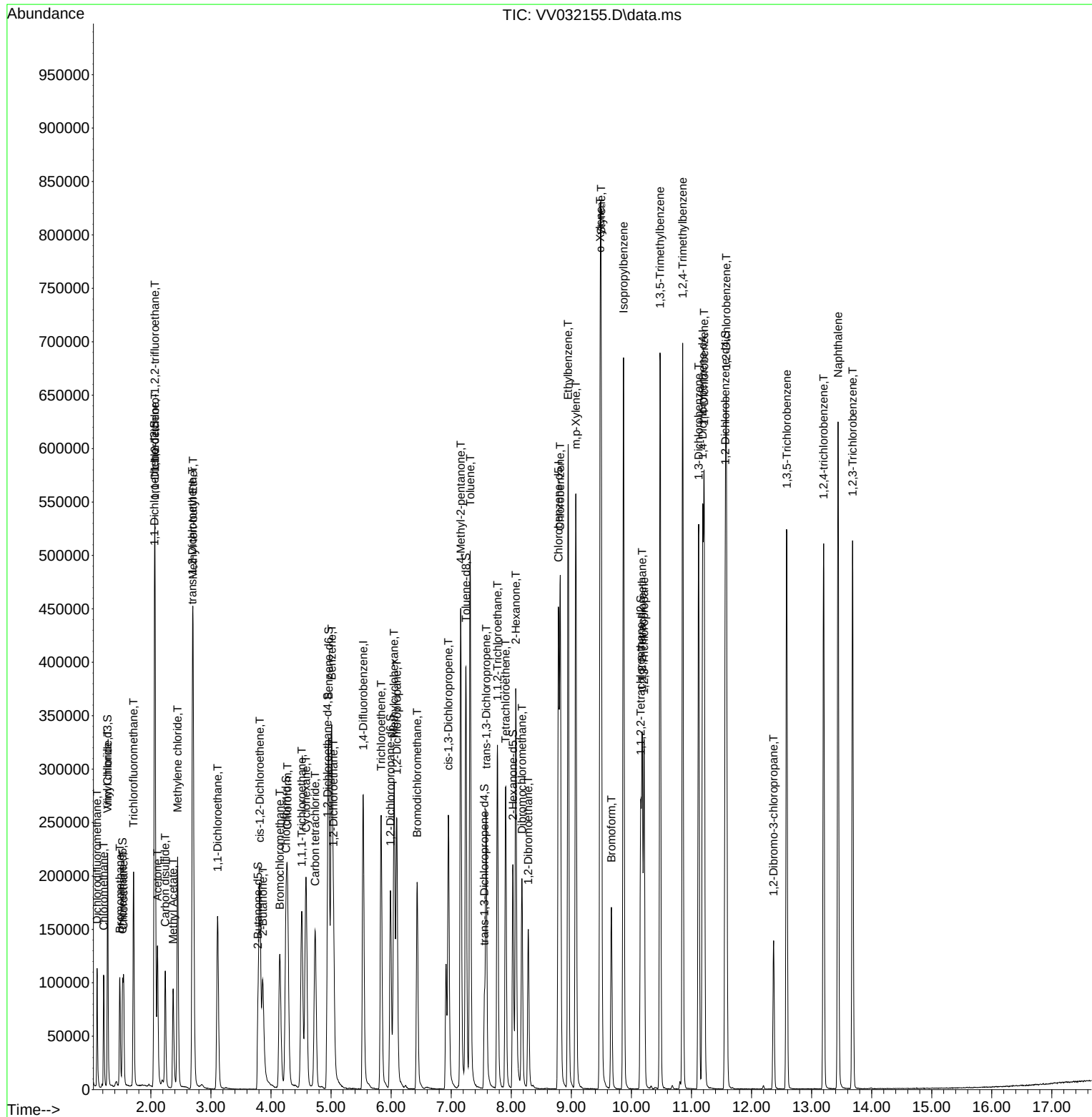
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	125776	48.796	ug/L	97
29) Cyclohexane	4.583	56	116533	47.521	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	140196	51.032	ug/L	98
31) Carbon tetrachloride	4.735	117	114605	49.129	ug/L	97
33) Benzene	5.011	78	334106	52.796	ug/L	100
34) Trichloroethene	5.834	95	91909	47.489	ug/L	98
35) Methylcyclohexane	6.050	83	119292	46.340	ug/L	96
37) 1,2-Dichloropropane	6.095	63	99957	55.726	ug/L	100
38) Bromodichloromethane	6.432	83	134045	52.649	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	162544	52.121	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	315719	110.896	ug/L	99
42) Toluene	7.316	91	362719	52.106	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	150255	50.146	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	102622	56.629	ug/L	98
46) Tetrachloroethene	7.905	164	64393	52.988	ug/L	98
48) 2-Hexanone	8.075	43	240548	110.640	ug/L	98
49) Dibromochloromethane	8.178	129	101711	54.619	ug/L	100
50) 1,2-Dibromoethane	8.284	107	100542	52.971	ug/L	98
51) Chlorobenzene	8.815	112	247849	53.583	ug/L	97
52) Ethylbenzene	8.947	91	424356	51.463	ug/L	100
53) m,p-Xylene	9.075	106	155589	50.818	ug/L	95
54) o-Xylene	9.480	106	159963	52.532	ug/L	96
55) Styrene	9.496	104	282438	52.468	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.181	83	159820	62.300	ug/L	98
59) Bromoform	9.667	173	73682	56.225	ug/L	99
60) Isopropylbenzene	9.869	105	442913	52.326	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	128900	53.987	ug/L	100
62) 1,3,5-Trimethylbenzene	10.477	105	361338	50.741	ug/L	98
63) 1,2,4-Trimethylbenzene	10.853	105	366322	51.136	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	208598	54.989	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	209068	54.200	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	209507	55.735	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.368	75	33751	47.061	ug/L	86
69) 1,3,5-Trichlorobenzene	12.586	180	154365	55.819	ug/L	99
70) 1,2,4-trichlorobenzene	13.200	180	145903	54.964	ug/L	98
71) Naphthalene	13.442	128	464047	54.716	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	147401	57.949	ug/L	99

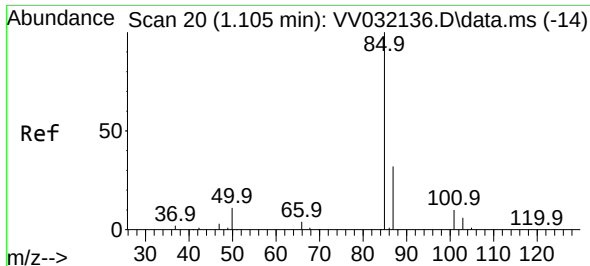
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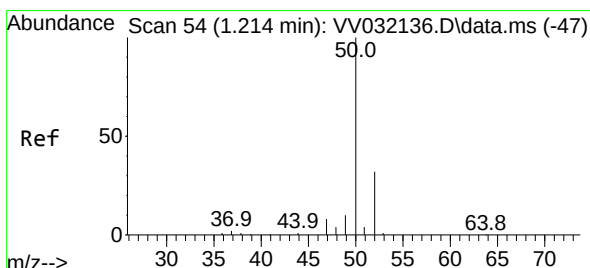
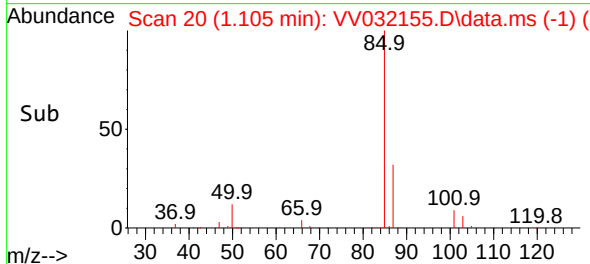
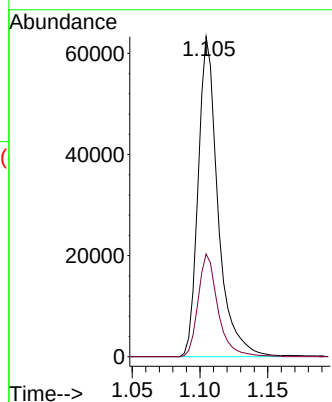
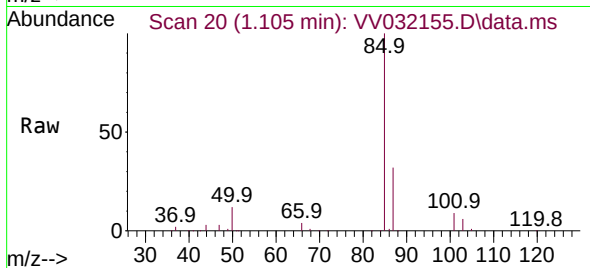




#2
 Dichlorodifluoromethane
 Concen: 43.285 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV032155.D
 Acq: 22 Sep 2023 10:55

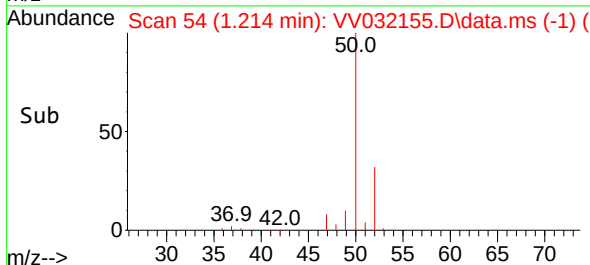
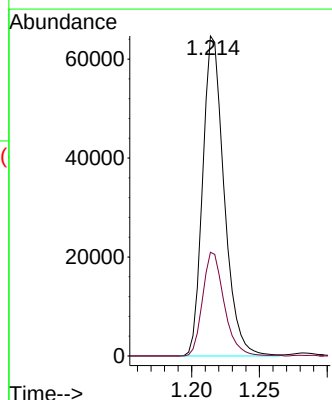
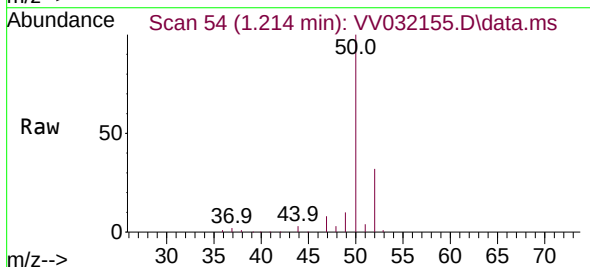
Instrument :
 MSVOA_V
 ClientSampleId :

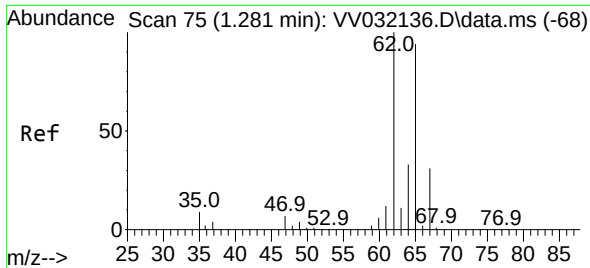
Tgt Ion: 85 Resp: 64396
 Ion Ratio Lower Upper
 85 100
 87 32.1 26.8 40.2



#3
 Chloromethane
 Concen: 47.007 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV032155.D
 Acq: 22 Sep 2023 10:55

Tgt Ion: 50 Resp: 71310
 Ion Ratio Lower Upper
 50 100
 52 32.4 23.0 42.6





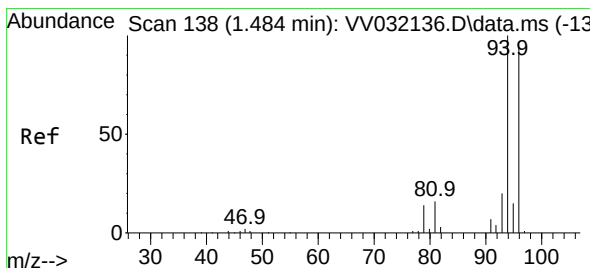
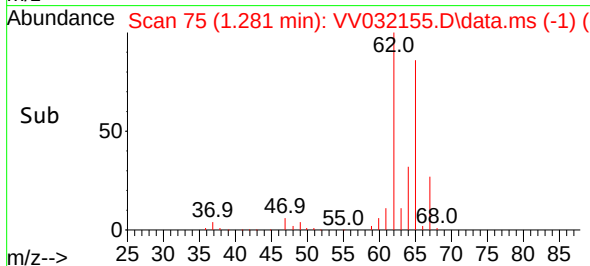
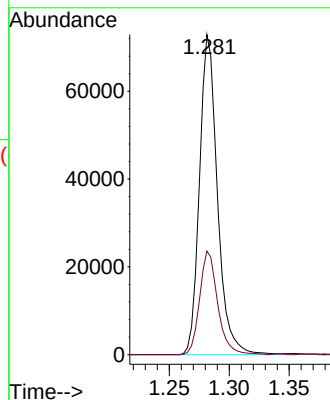
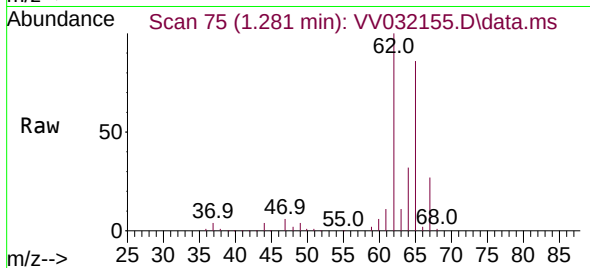
#5
 Vinyl chloride
 Concen: 46.931 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV032155.D
 Acq: 22 Sep 2023 10:55

Instrument :

MSVOA_V

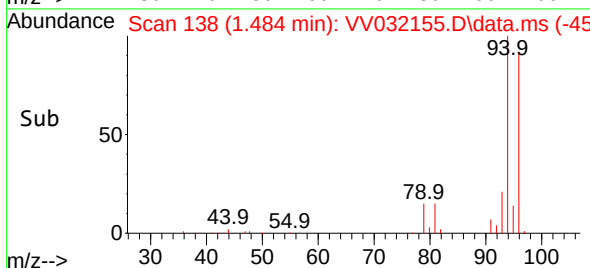
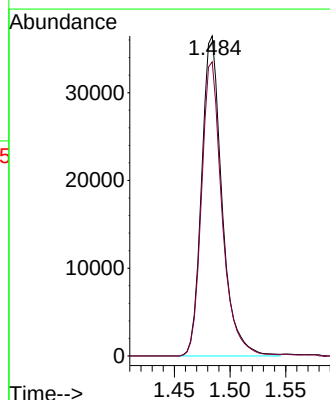
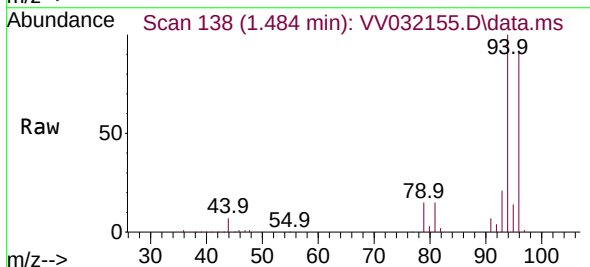
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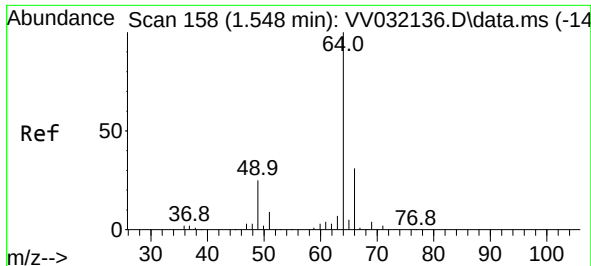
Tgt Ion: 62 Resp: 76033
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.6 43.8



#6
 Bromomethane
 Concen: 48.651 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VV032155.D
 Acq: 22 Sep 2023 10:55

Tgt Ion: 94 Resp: 46408
 Ion Ratio Lower Upper
 94 100
 96 91.9 66.4 123.4

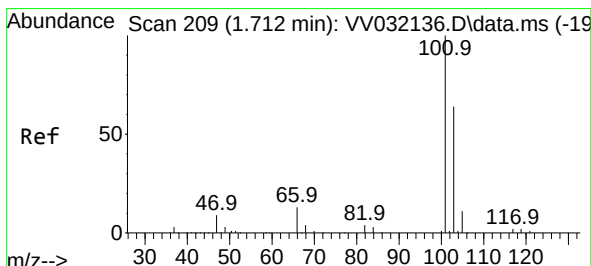
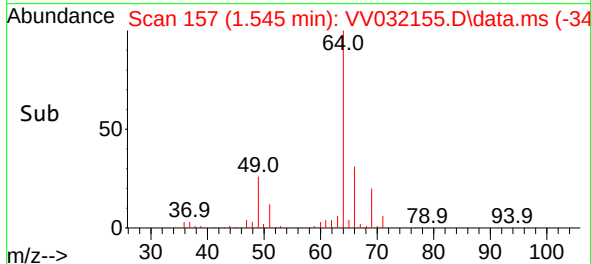
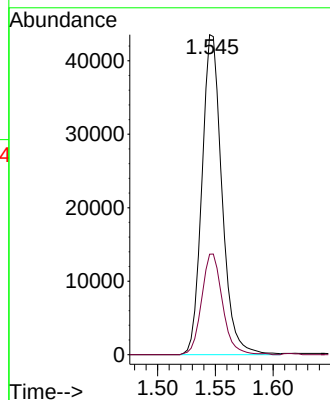
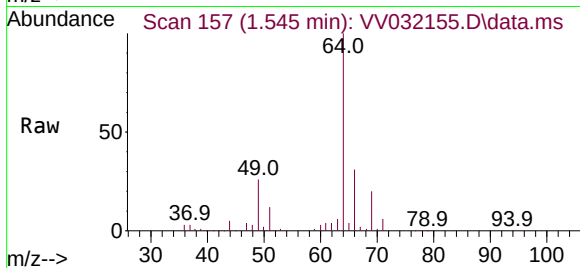




#8
Chloroethane
Concen: 48.814 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV032155.D
Acq: 22 Sep 2023 10:55

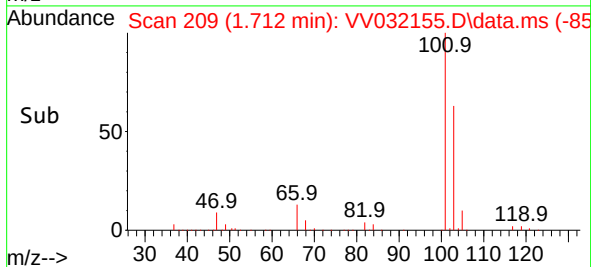
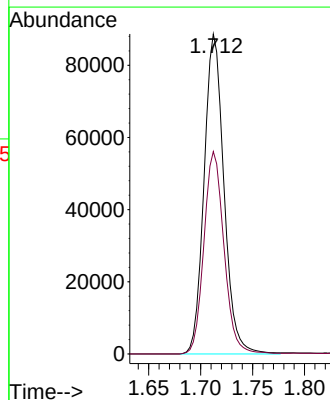
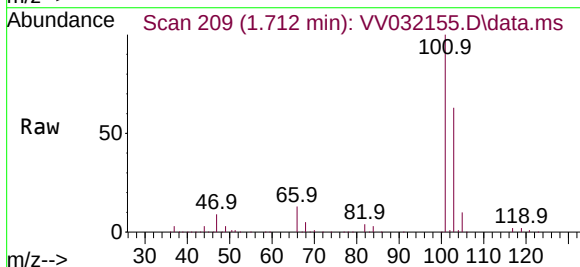
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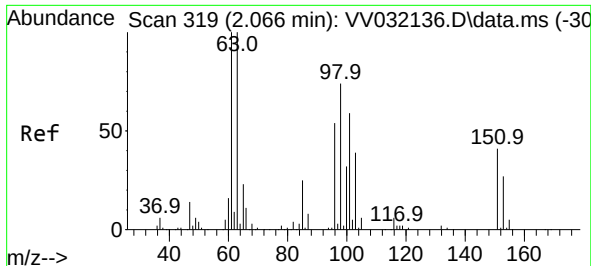
Tgt Ion: 64 Resp: 52557
Ion Ratio Lower Upper
64 100
66 31.4 23.2 43.2



#9
Trichlorofluoromethane
Concen: 49.969 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV032155.D
Acq: 22 Sep 2023 10:55

Tgt Ion:101 Resp: 118009
Ion Ratio Lower Upper
101 100
103 63.9 51.9 77.9

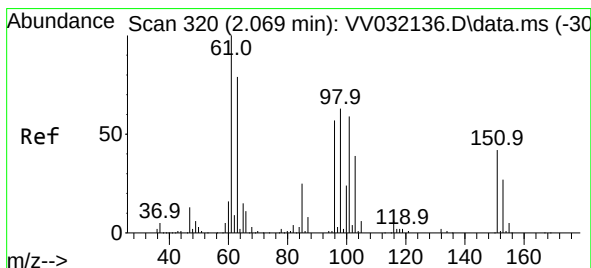
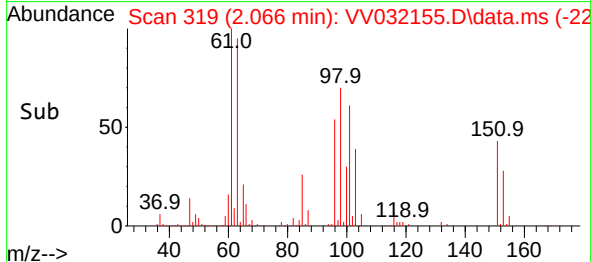
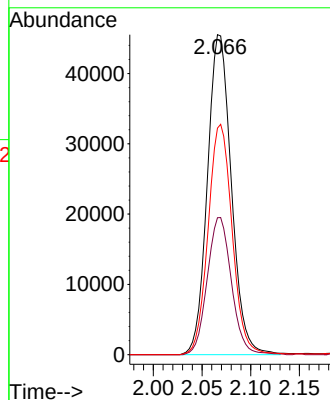
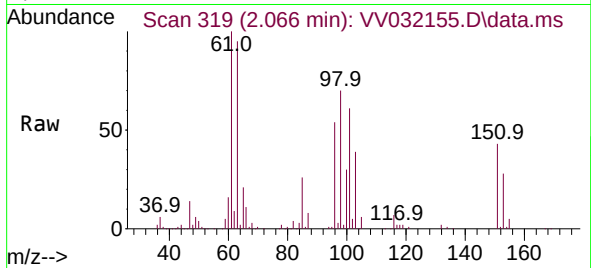




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 54.701 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.000 min
 Lab File: VV032155.D
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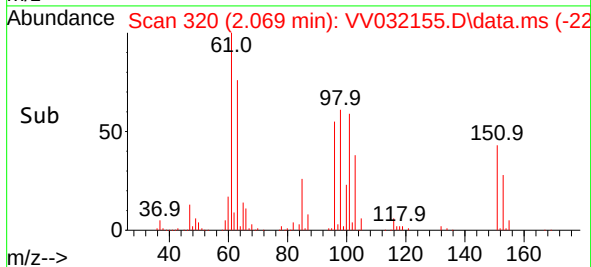
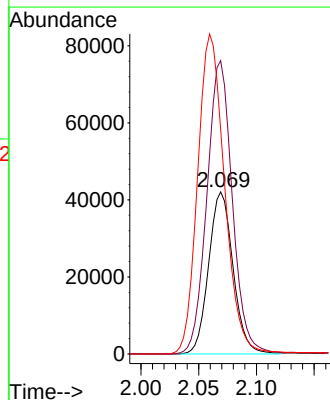
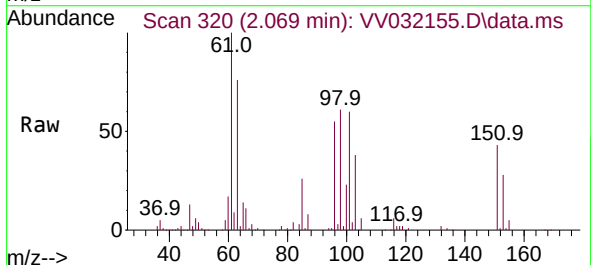
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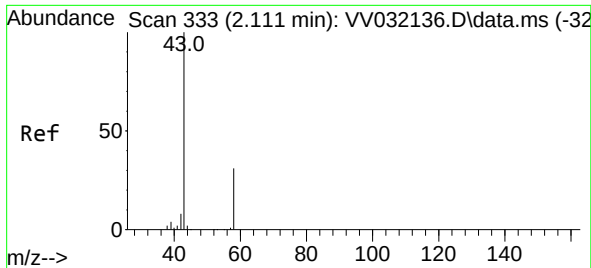
Tgt Ion:101 Resp: 77999
 Ion Ratio Lower Upper
 101 100
 85 43.2 35.8 53.8
 151 72.4 56.5 84.7



#12
 1,1-Dichloroethene
 Concen: 48.357 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV032155.D
 Acq: 22 Sep 2023 10:55

Tgt Ion: 96 Resp: 61934
 Ion Ratio Lower Upper
 96 100
 61 181.0 133.8 248.6
 63 138.3 115.2 214.0





#13

Acetone

Concen: 115.645 ug/L

RT: 2.111 min Scan# 311

Delta R.T. -0.000 min

Lab File: VV032155.D

Acq: 22 Sep 2023 10:55

Instrument :

MSVOA_V

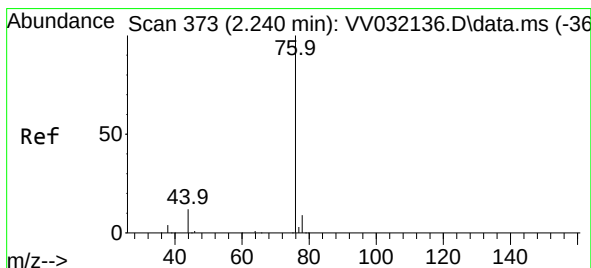
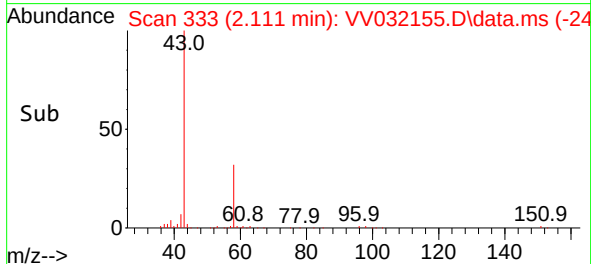
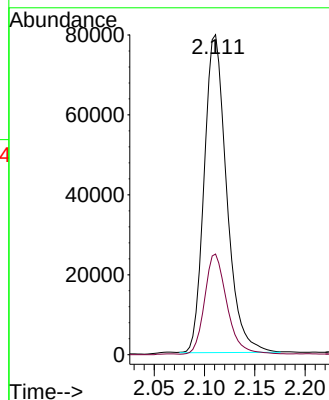
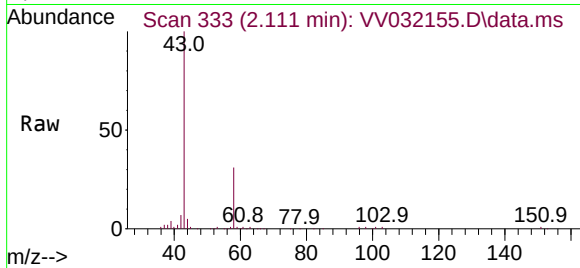
ClientSampleId :

Tgt Ion: 43 Resp: 123811

Ion Ratio Lower Upper

43 100

58 31.5 0.0 61.0



#14

Carbon disulfide

Concen: 41.877 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV032155.D

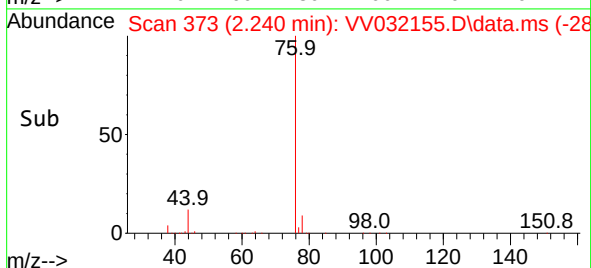
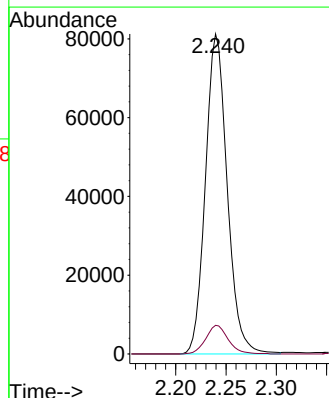
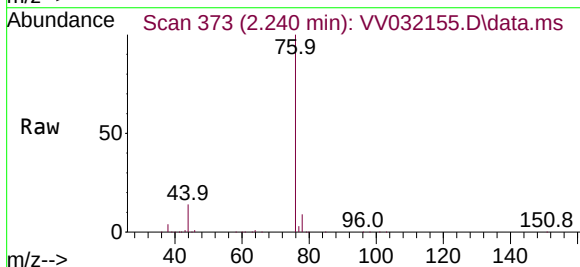
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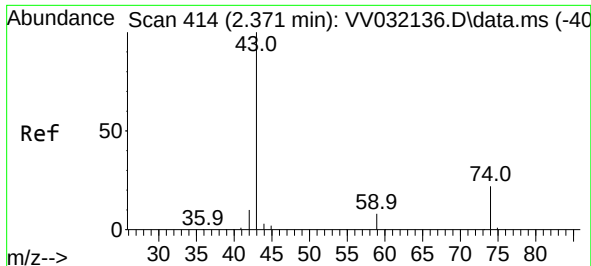
Tgt Ion: 76 Resp: 122213

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

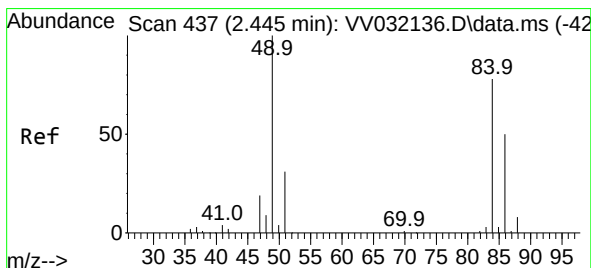
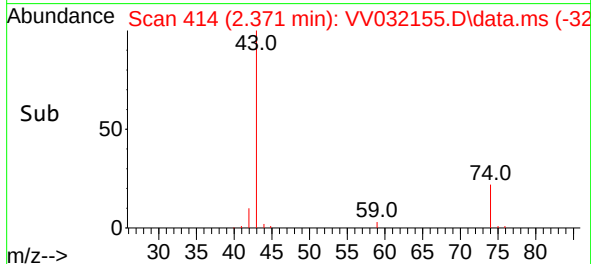
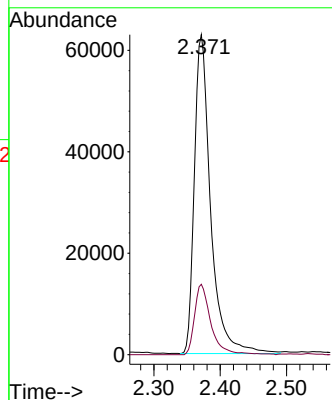
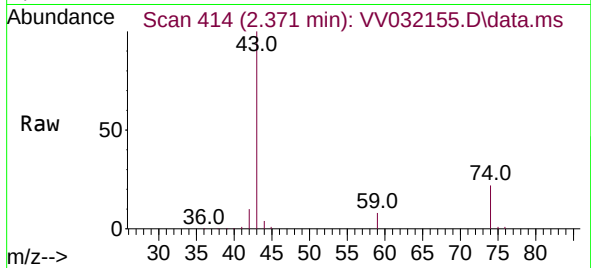




#15
Methyl Acetate
Concen: 56.032 ug/L
RT: 2.371 min Scan# 414
Delta R.T. -0.000 min
Lab File: VV032155.D
Acq: 22 Sep 2023 10:55

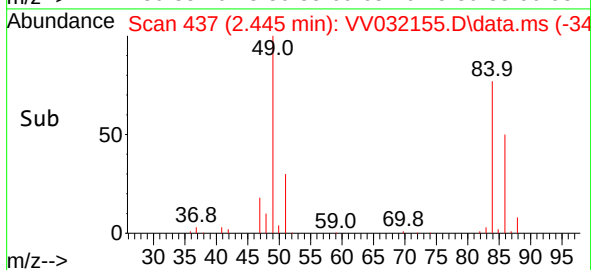
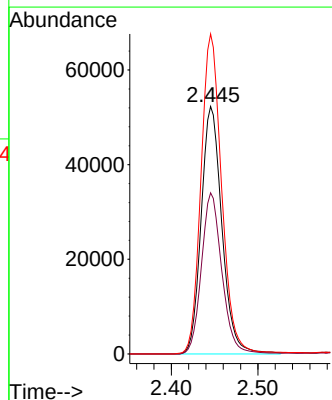
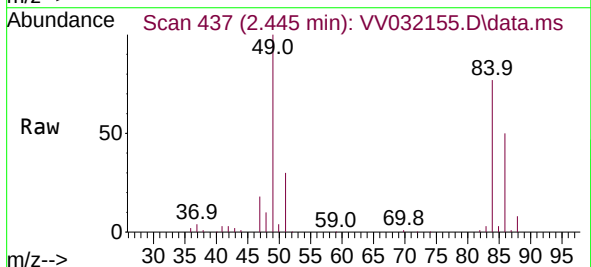
Instrument :
MSVOA_V
ClientSampleId :

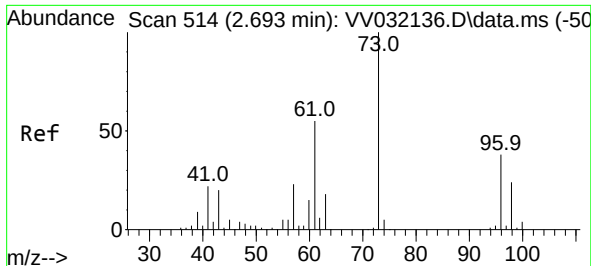
Tgt Ion: 43 Resp: 106989
Ion Ratio Lower Upper
43 100
74 21.6 17.9 26.9



#16
Methylene chloride
Concen: 52.931 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV032155.D
Acq: 22 Sep 2023 10:55

Tgt Ion: 84 Resp: 87118
Ion Ratio Lower Upper
84 100
86 65.1 44.6 82.8
49 129.3 91.6 170.2





#17

trans-1,2-Dichloroethene

Concen: 49.288 ug/L

RT: 2.693 min Scan# 514

Delta R.T. -0.000 min

Lab File: VV032155.D

Acq: 22 Sep 2023 10:55

Instrument :

MSVOA_V

ClientSampleId :

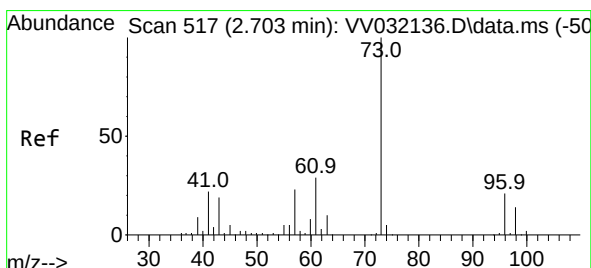
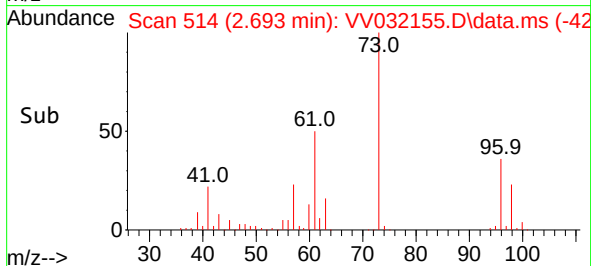
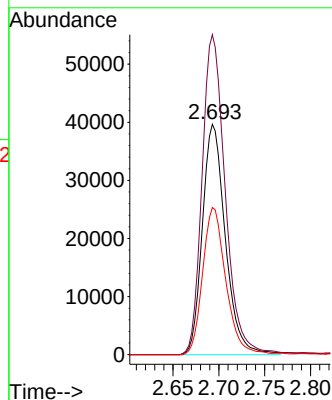
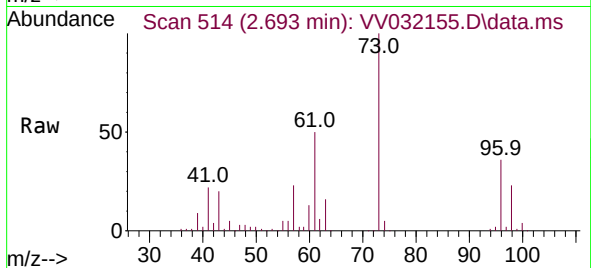
Tgt Ion: 96 Resp: 69208

Ion Ratio Lower Upper

96 100

61 138.8 107.3 199.3

98 63.8 46.3 85.9



#18

Methyl tert-butyl Ether

Concen: 51.522 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.000 min

Lab File: VV032155.D

Acq: 22 Sep 2023 10:55

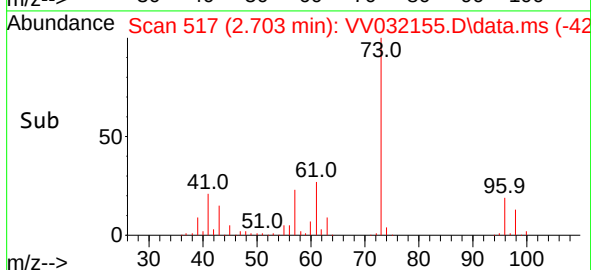
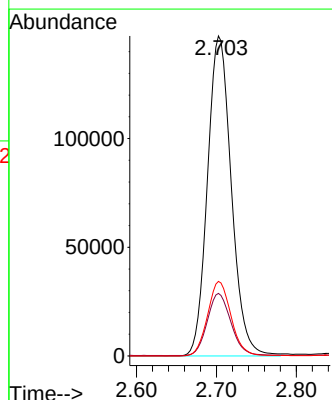
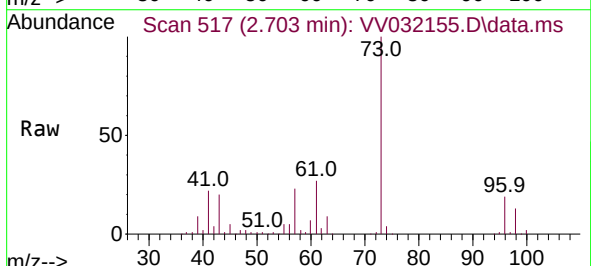
Tgt Ion: 73 Resp: 305750

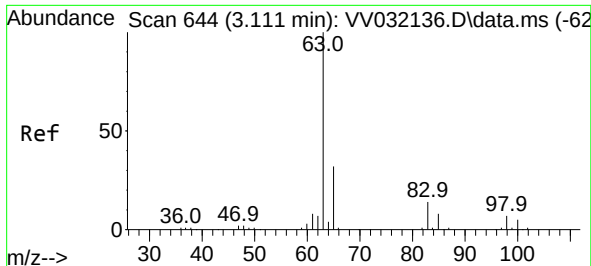
Ion Ratio Lower Upper

73 100

43 19.1 16.6 25.0

57 22.9 17.6 26.4





#19

1,1-Dichloroethane

Concen: 52.973 ug/L

RT: 3.111 min Scan# 644

Delta R.T. -0.000 min

Lab File: VV032155.D

Acq: 22 Sep 2023 10:55

Instrument :

MSVOA_V

ClientSampleId :

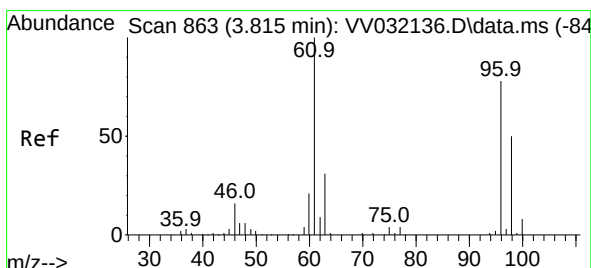
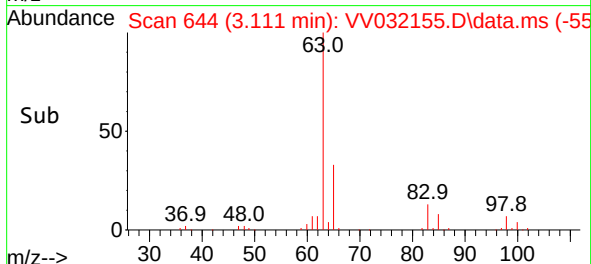
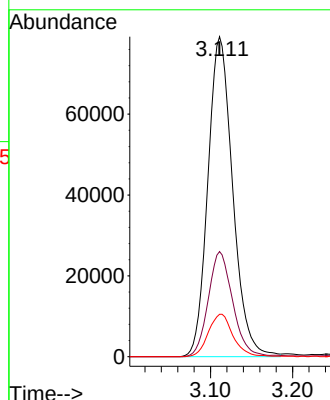
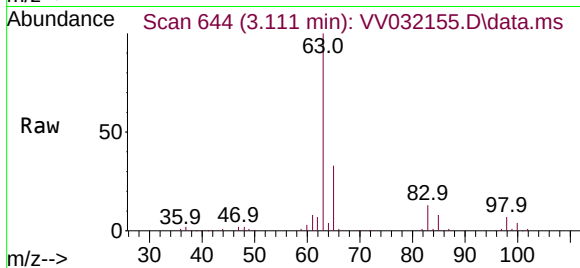
Tgt Ion: 63 Resp: 166696

Ion Ratio Lower Upper

63 100

65 32.9 22.4 41.6

83 13.2 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 53.303 ug/L

RT: 3.815 min Scan# 863

Delta R.T. -0.000 min

Lab File: VV032155.D

Acq: 22 Sep 2023 10:55

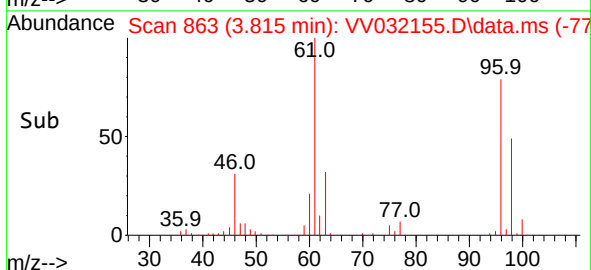
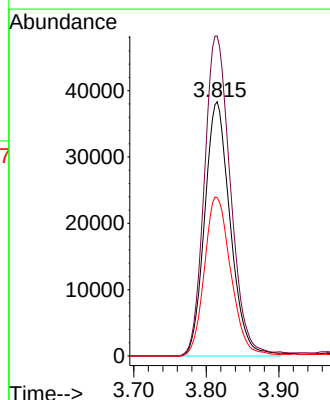
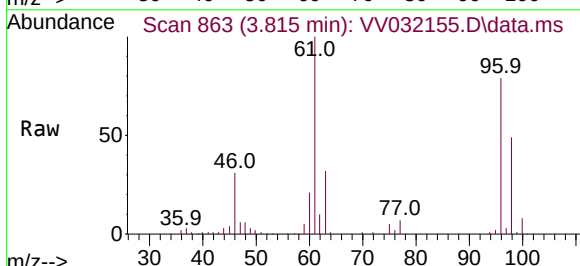
Tgt Ion: 96 Resp: 93902

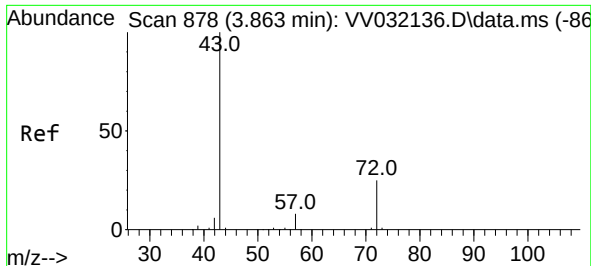
Ion Ratio Lower Upper

96 100

61 125.8 97.3 180.7

98 62.3 45.3 84.1

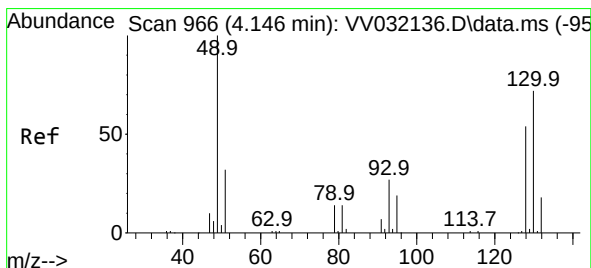
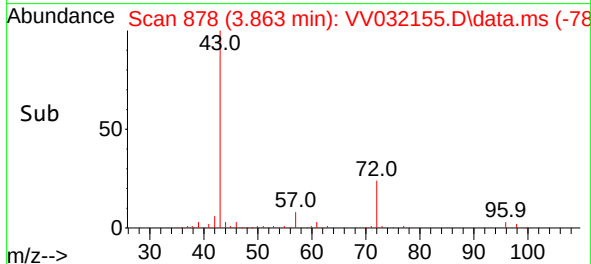
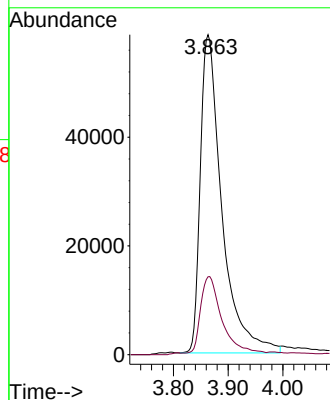
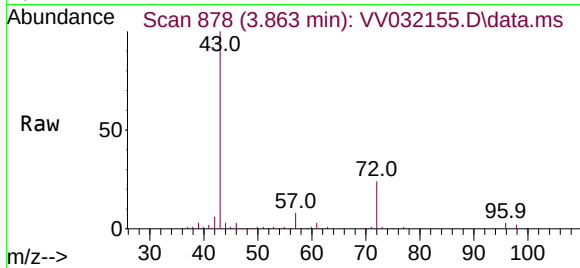




#22
2-Butanone
Concen: 113.196 ug/L
RT: 3.863 min Scan# 878
Delta R.T. -0.000 min
Lab File: VV032155.D
Acq: 22 Sep 2023 10:55

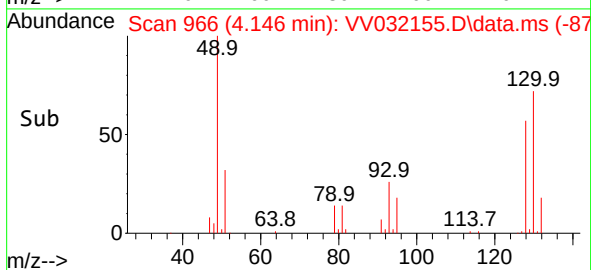
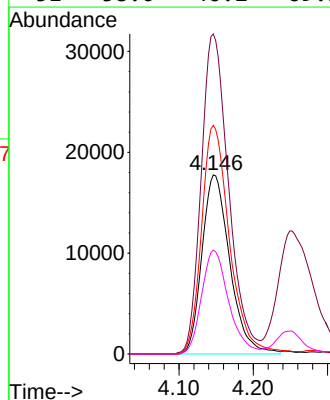
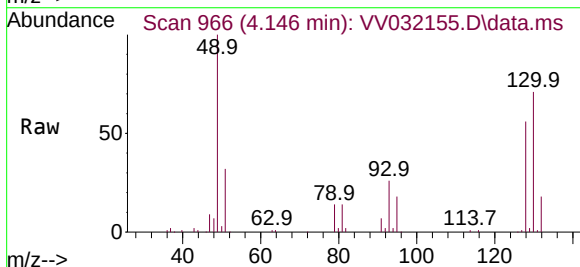
Instrument :
MSVOA_V
ClientSampleId :

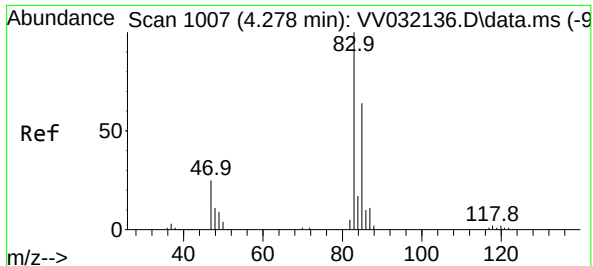
Tgt Ion: 43 Resp: 160361
Ion Ratio Lower Upper
43 100
72 23.9 12.6 37.8



#23
Bromochloromethane
Concen: 54.093 ug/L
RT: 4.146 min Scan# 966
Delta R.T. -0.000 min
Lab File: VV032155.D
Acq: 22 Sep 2023 10:55

Tgt Ion:128 Resp: 46232
Ion Ratio Lower Upper
128 100
49 178.8 127.8 237.4
130 127.7 90.1 167.3
51 58.0 46.2 69.2





#25

Chloroform

Concen: 52.265 ug/L

RT: 4.275 min Scan# 1007

Delta R.T. -0.003 min

Lab File: VV032155.D

Acq: 22 Sep 2023 10:55

Instrument :

MSVOA_V

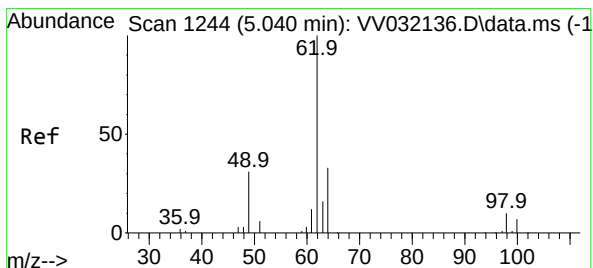
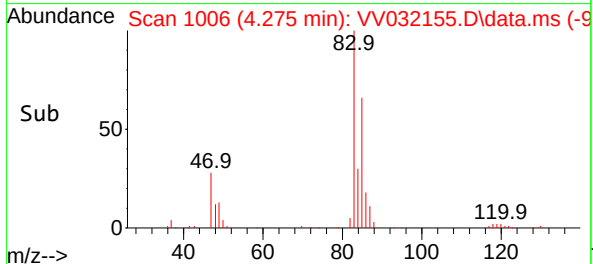
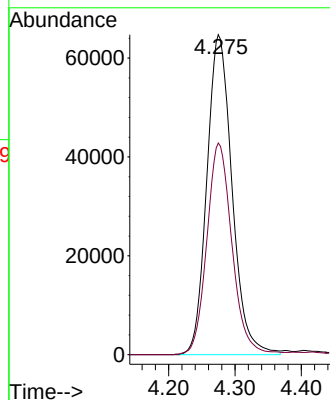
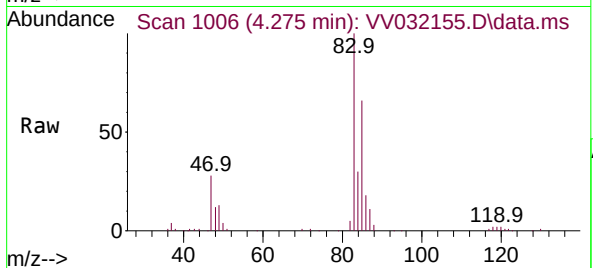
ClientSampleId :

Tgt Ion: 83 Resp: 171000

Ion Ratio Lower Upper

83 100

85 66.1 44.9 83.3



#27

1,2-Dichloroethane

Concen: 48.796 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. -0.000 min

Lab File: VV032155.D

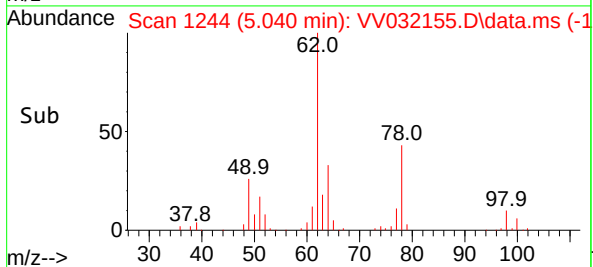
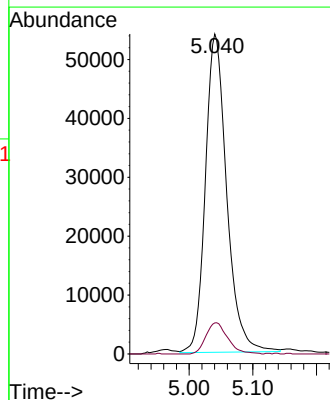
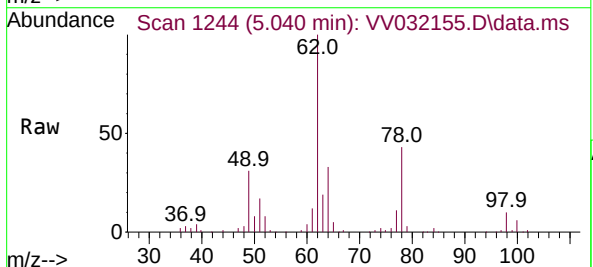
Acq: 22 Sep 2023 10:55

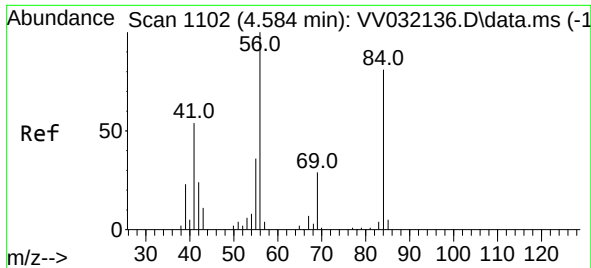
Tgt Ion: 62 Resp: 125776

Ion Ratio Lower Upper

62 100

98 9.7 7.0 10.4

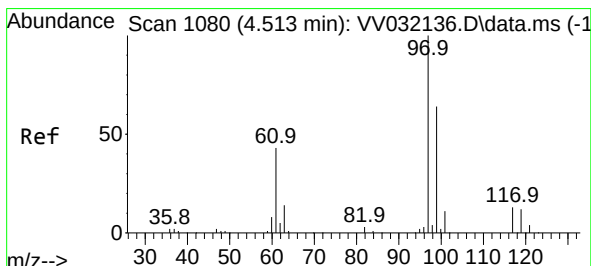
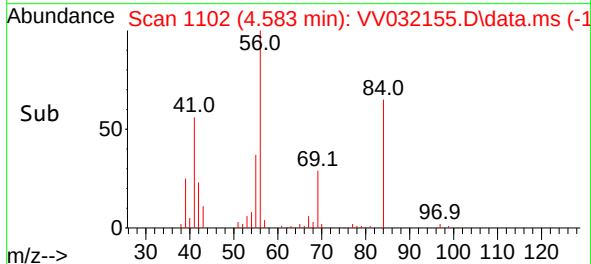
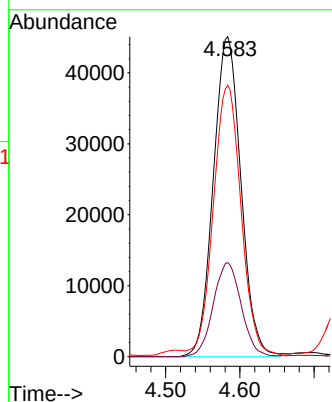
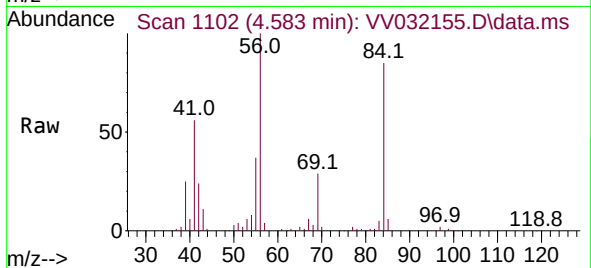




#29
Cyclohexane
Concen: 47.521 ug/L
RT: 4.583 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VV032155.D
Acq: 22 Sep 2023 10:55

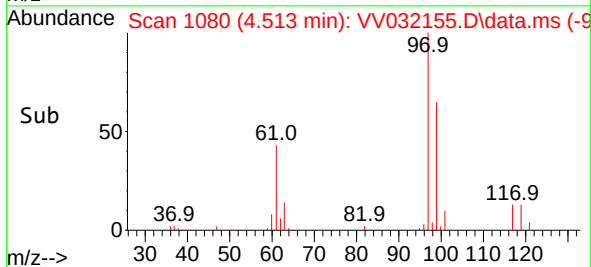
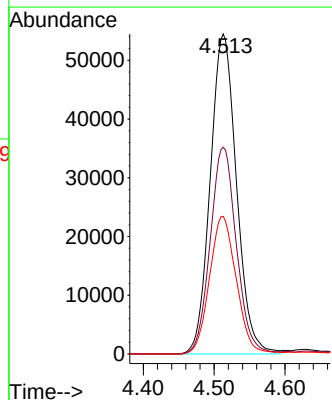
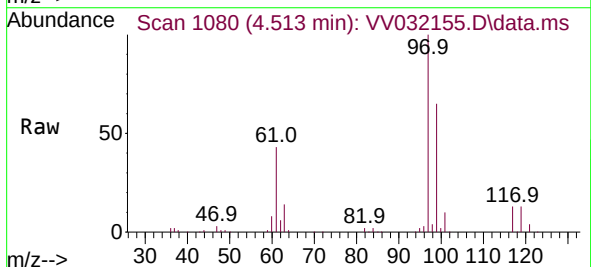
Instrument :
MSVOA_V
ClientSampleId :

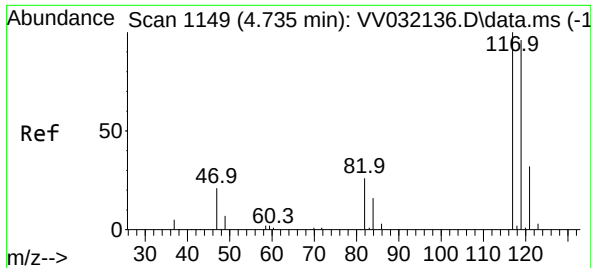
Tgt Ion: 56 Resp: 116533
Ion Ratio Lower Upper
56 100
69 29.7 24.2 36.4
84 83.8 67.5 101.3



#30
1,1,1-Trichloroethane
Concen: 51.032 ug/L
RT: 4.513 min Scan# 1080
Delta R.T. -0.000 min
Lab File: VV032155.D
Acq: 22 Sep 2023 10:55

Tgt Ion: 97 Resp: 140196
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.4
61 43.9 36.5 54.7

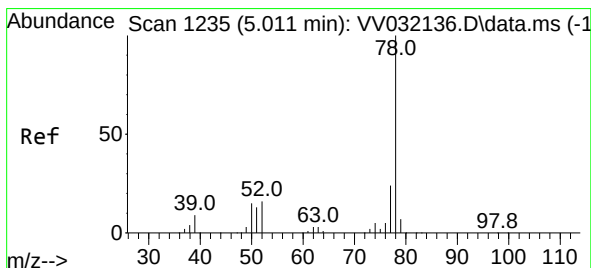
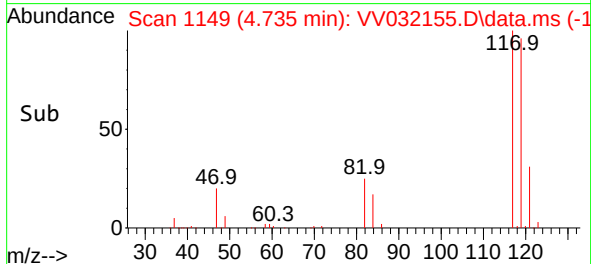
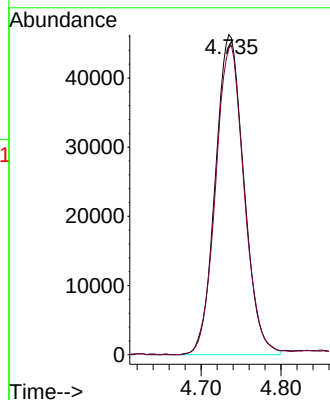
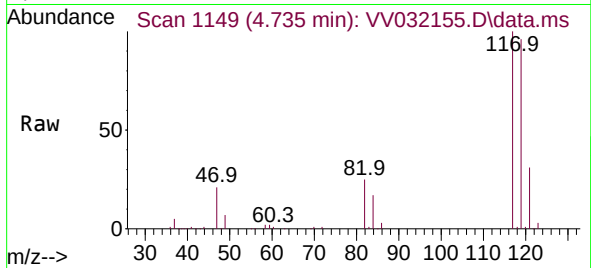




#31
Carbon tetrachloride
Concen: 49.129 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VV032155.D
Acq: 22 Sep 2023 10:55

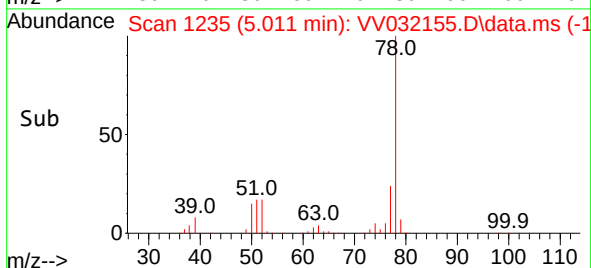
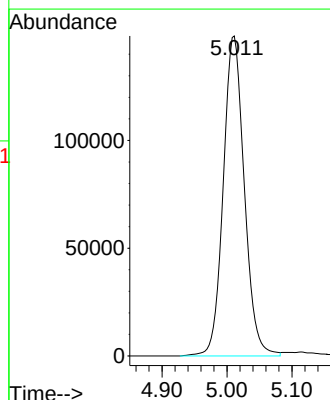
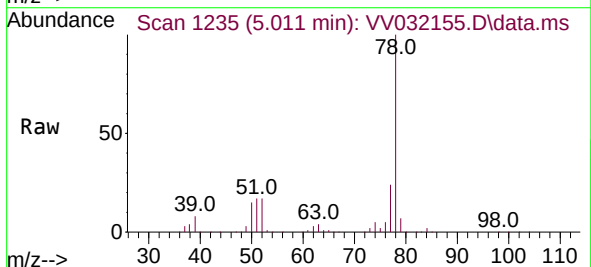
Instrument :
MSVOA_V
ClientSampleId :

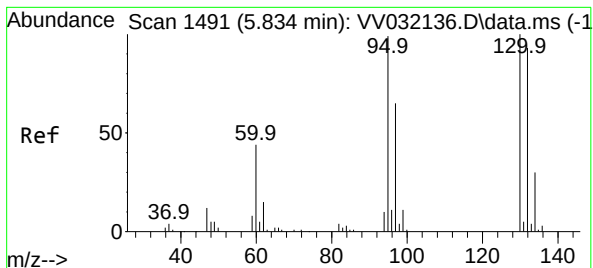
Tgt Ion:117 Resp: 114605
Ion Ratio Lower Upper
117 100
119 97.0 75.4 113.2



#33
Benzene
Concen: 52.796 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VV032155.D
Acq: 22 Sep 2023 10:55

Tgt Ion: 78 Resp: 334106





#34

Trichloroethene

Concen: 47.489 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VV032155.D

Acq: 22 Sep 2023 10:55

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 91909

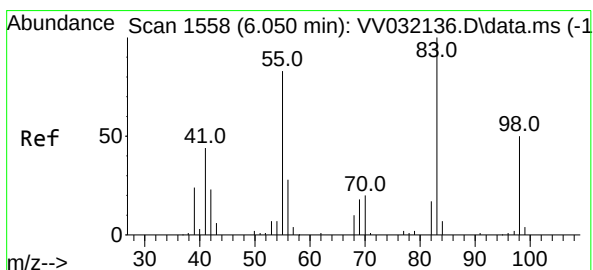
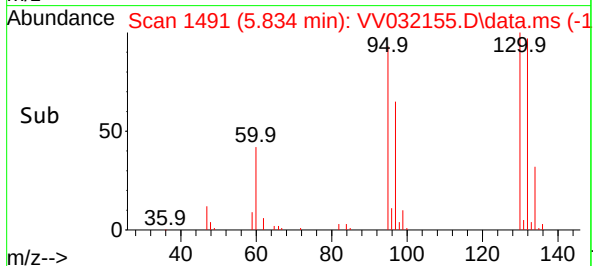
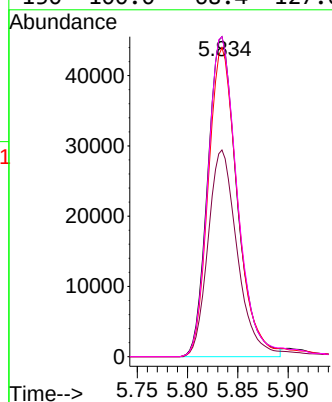
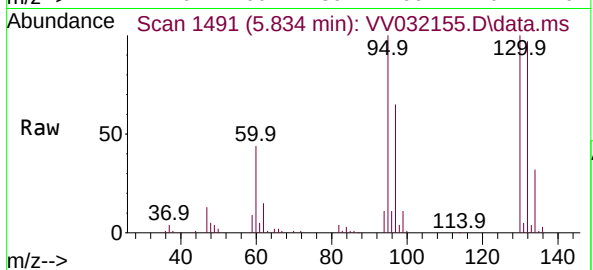
Ion Ratio Lower Upper

95 100

97 64.6 45.4 84.2

132 96.6 65.4 121.4

130 100.0 68.4 127.0



#35

Methylcyclohexane

Concen: 46.340 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. -0.000 min

Lab File: VV032155.D

Acq: 22 Sep 2023 10:55

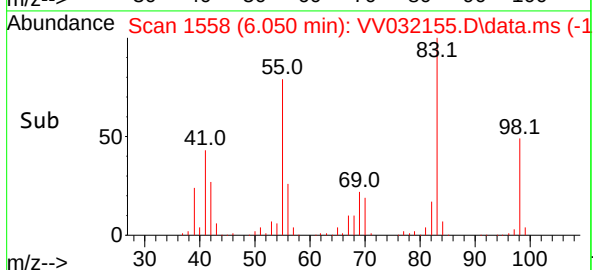
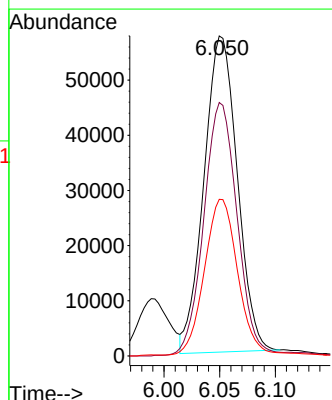
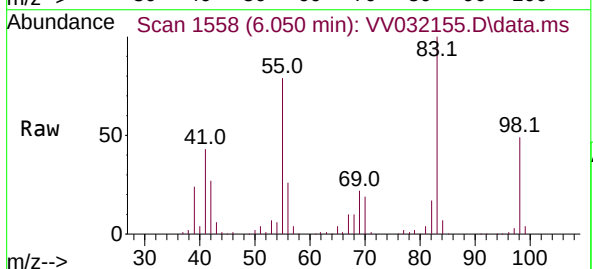
Tgt Ion: 83 Resp: 119292

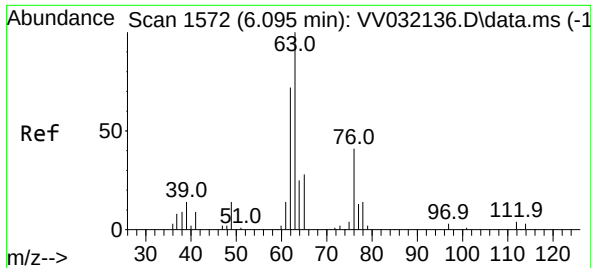
Ion Ratio Lower Upper

83 100

55 79.8 62.2 93.2

98 50.0 36.7 55.1





#37

1,2-Dichloropropane

Concen: 55.726 ug/L

RT: 6.095 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV032155.D

Acq: 22 Sep 2023 10:55

Instrument :

MSVOA_V

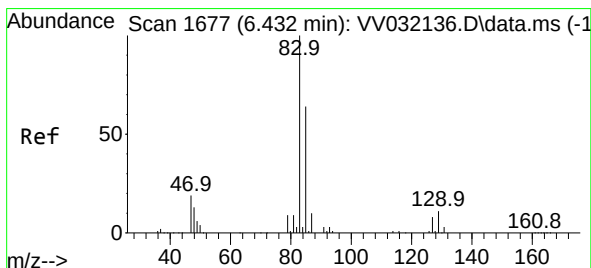
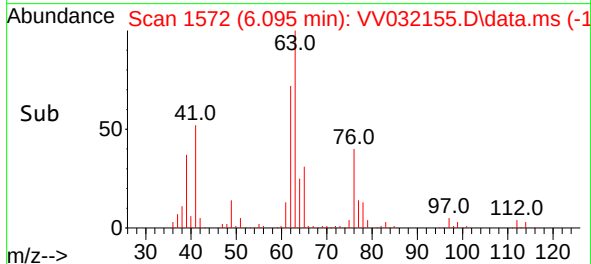
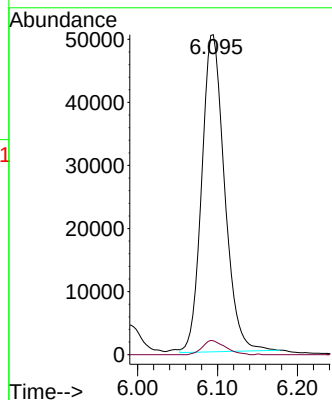
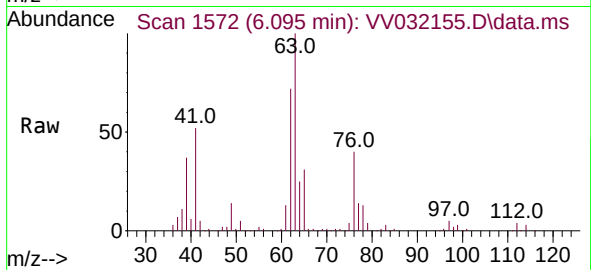
ClientSampleId :

Tgt Ion: 63 Resp: 99957

Ion Ratio Lower Upper

63 100

112 4.5 3.5 5.3



#38

Bromodichloromethane

Concen: 52.649 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. -0.000 min

Lab File: VV032155.D

Acq: 22 Sep 2023 10:55

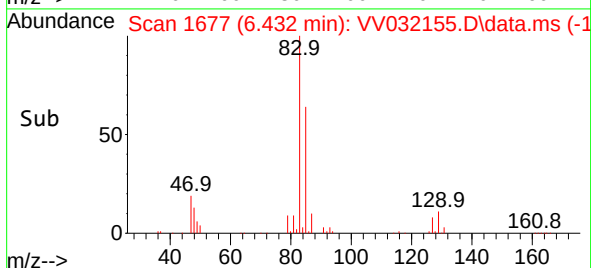
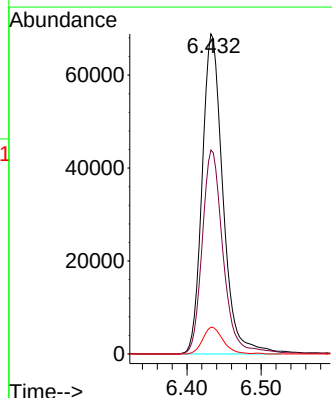
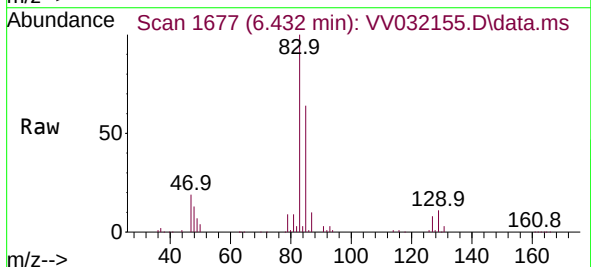
Tgt Ion: 83 Resp: 134045

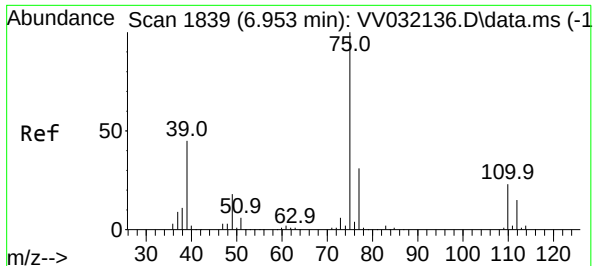
Ion Ratio Lower Upper

83 100

85 63.7 45.2 84.0

127 8.3 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 52.121 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. -0.000 min

Lab File: VV032155.D

Acq: 22 Sep 2023 10:55

Instrument :

MSVOA_V

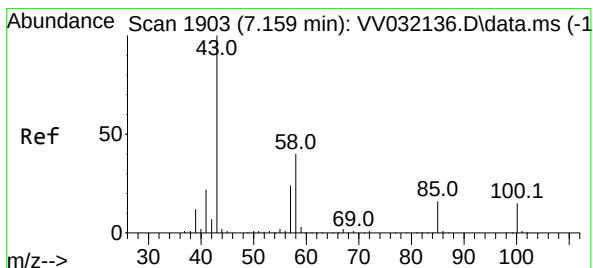
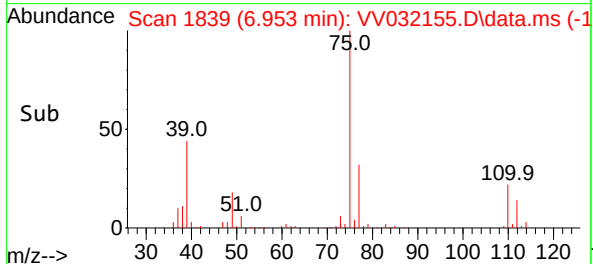
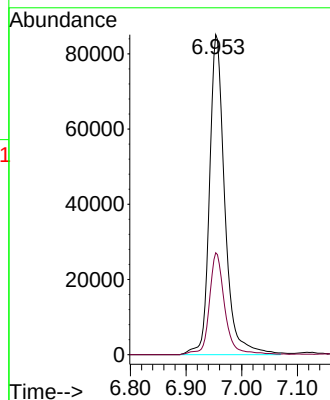
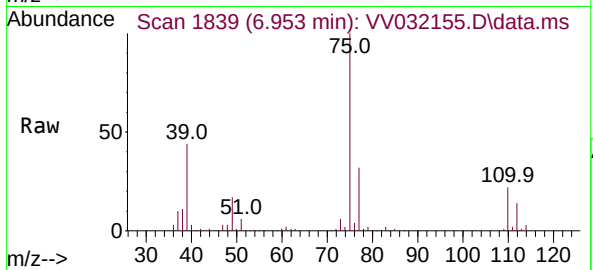
ClientSampleId :

Tgt Ion: 75 Resp: 162544

Ion Ratio Lower Upper

75 100

77 31.8 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 110.896 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VV032155.D

Acq: 22 Sep 2023 10:55

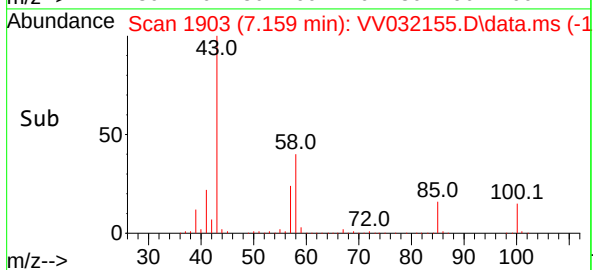
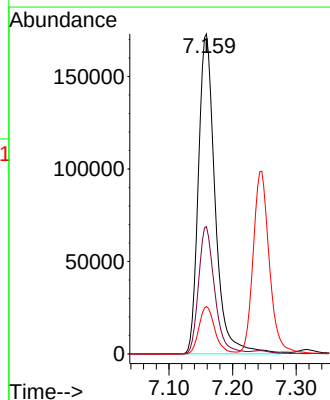
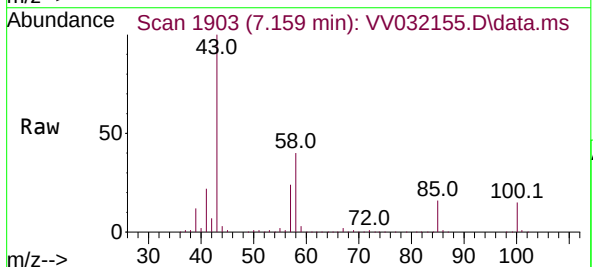
Tgt Ion: 43 Resp: 315719

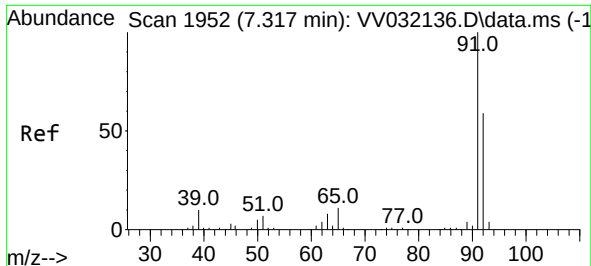
Ion Ratio Lower Upper

43 100

58 38.6 31.1 46.7

100 14.3 11.9 17.9





#42

Toluene

Concen: 52.106 ug/L

RT: 7.316 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VV032155.D

Acq: 22 Sep 2023 10:55

Instrument :

MSVOA_V

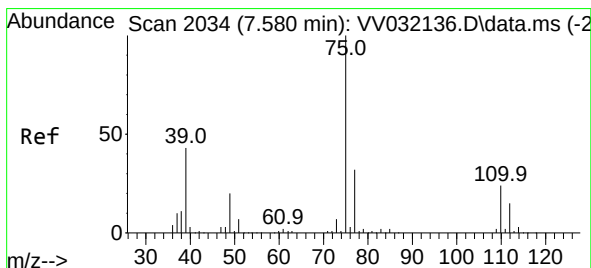
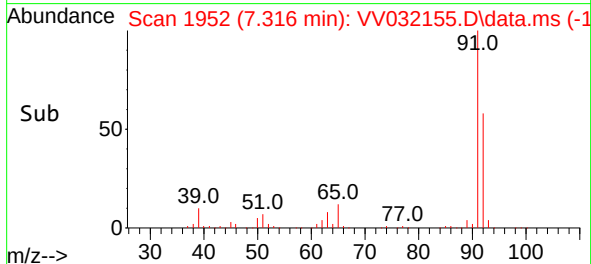
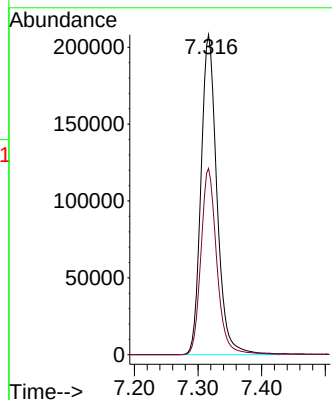
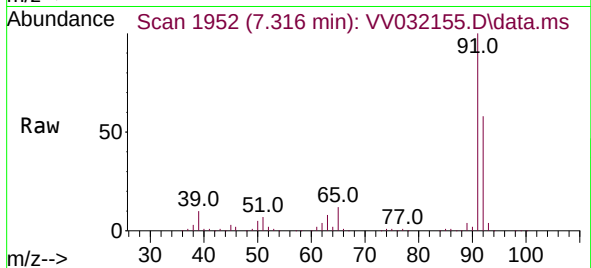
ClientSampleId :

Tgt Ion: 91 Resp: 362719

Ion Ratio Lower Upper

91 100

92 58.2 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 50.146 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. 0.003 min

Lab File: VV032155.D

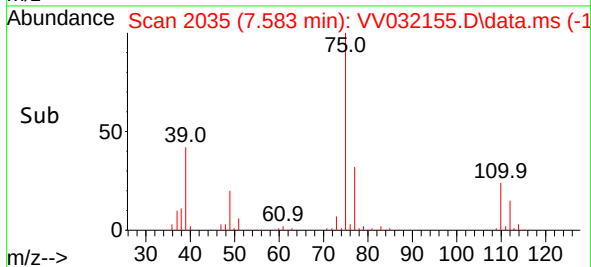
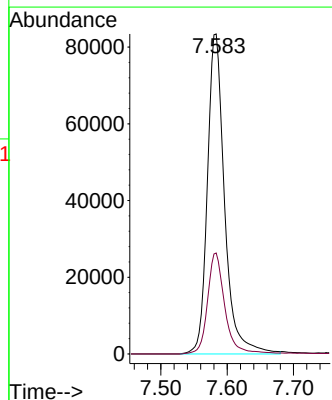
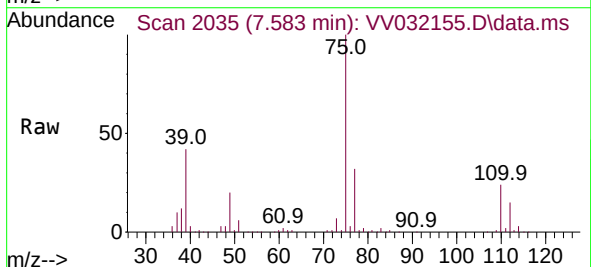
Acq: 22 Sep 2023 10:55

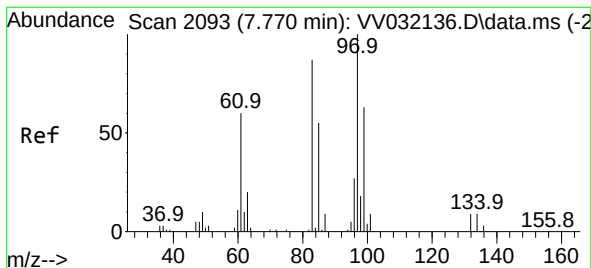
Tgt Ion: 75 Resp: 150255

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 56.629 ug/L

RT: 7.770 min Scan# 2093

Delta R.T. -0.000 min

Lab File: VV032155.D

Acq: 22 Sep 2023 10:55

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 102622

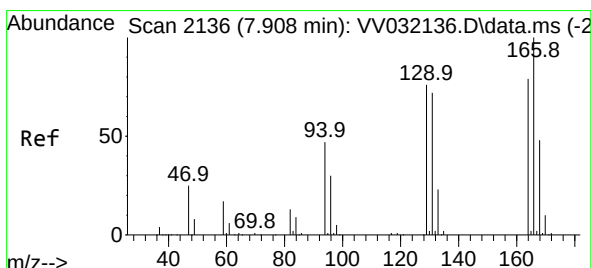
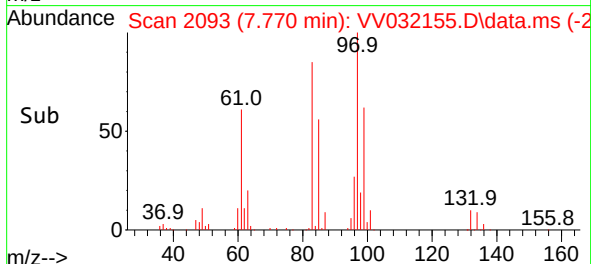
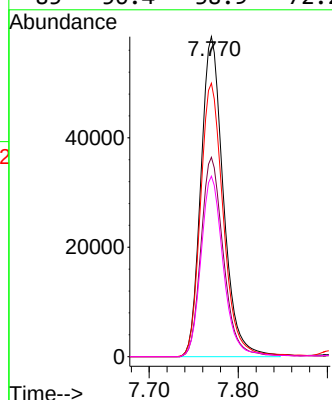
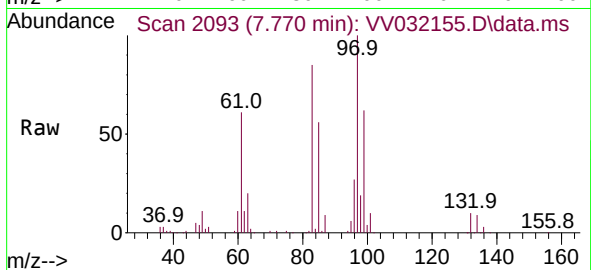
Ion Ratio Lower Upper

97 100

99 62.3 43.0 79.8

83 85.4 61.2 113.6

85 56.4 38.9 72.2



#46

Tetrachloroethene

Concen: 52.988 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.003 min

Lab File: VV032155.D

Acq: 22 Sep 2023 10:55

Tgt Ion:164 Resp: 64393

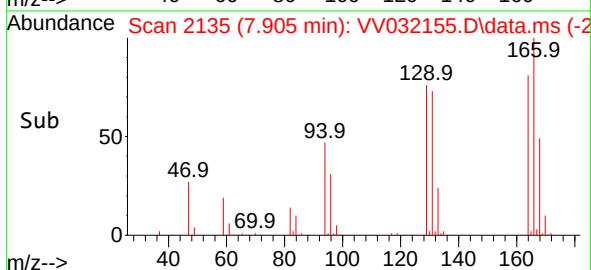
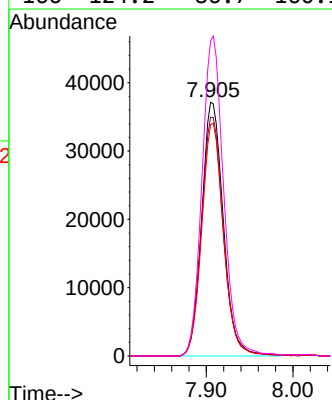
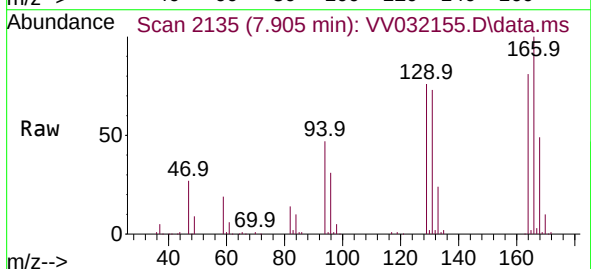
Ion Ratio Lower Upper

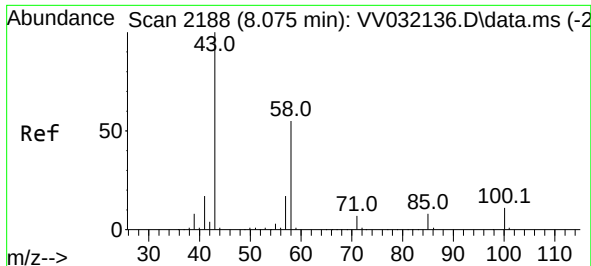
164 100

129 94.1 68.3 126.9

131 91.2 64.9 120.5

166 124.2 86.7 160.9

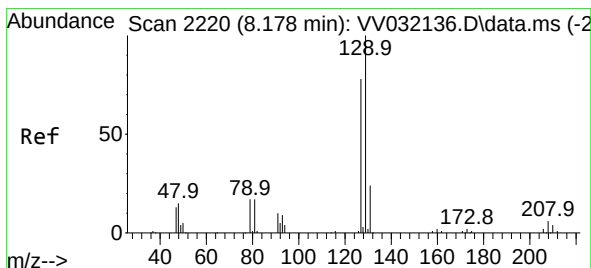
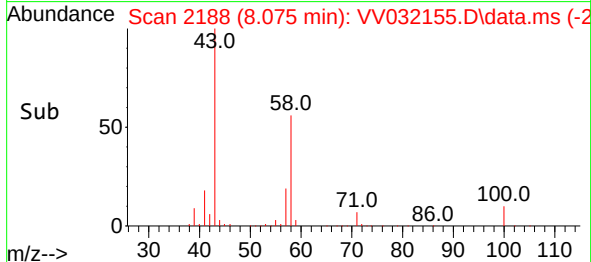
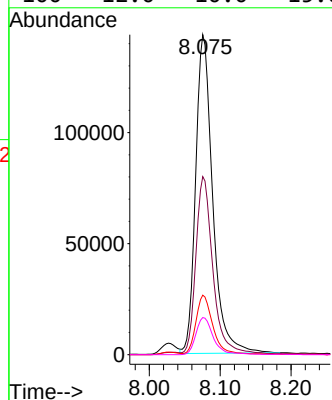
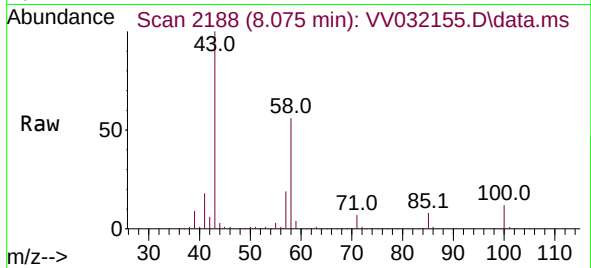




#48
2-Hexanone
Concen: 110.640 ug/L
RT: 8.075 min Scan# 2188
Delta R.T. -0.000 min
Lab File: VV032155.D
Acq: 22 Sep 2023 10:55

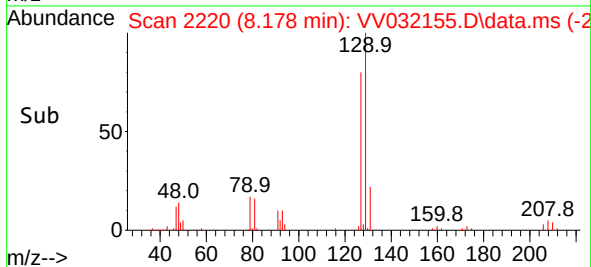
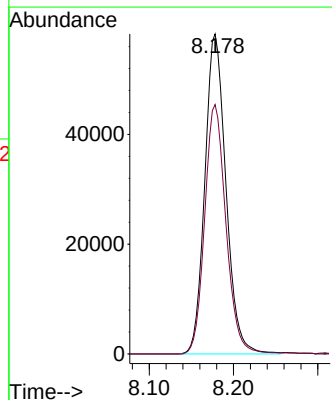
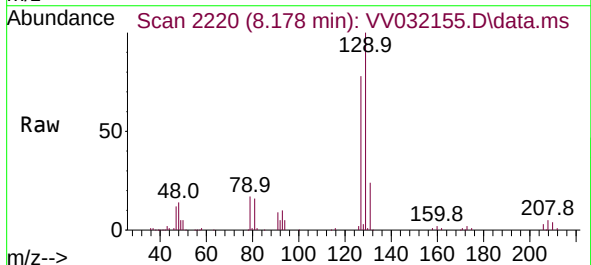
Instrument :
MSVOA_V
ClientSampleId :

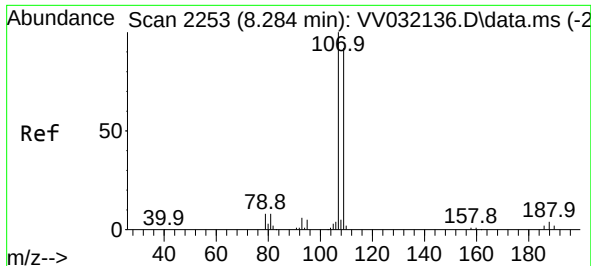
Tgt Ion:	43	Resp:	240548
Ion	Ratio	Lower	Upper
43	100		
58	55.4	44.0	66.0
57	18.0	15.9	23.9
100	12.0	10.0	15.0



#49
Dibromochloromethane
Concen: 54.619 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. -0.000 min
Lab File: VV032155.D
Acq: 22 Sep 2023 10:55

Tgt Ion:	129	Resp:	101711
Ion	Ratio	Lower	Upper
129	100		
127	77.9	54.7	101.7





#50

1,2-Dibromoethane

Concen: 52.971 ug/L

RT: 8.284 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV032155.D

Acq: 22 Sep 2023 10:55

Instrument :

MSVOA_V

ClientSampleId :

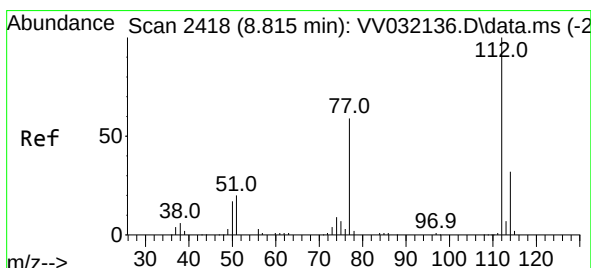
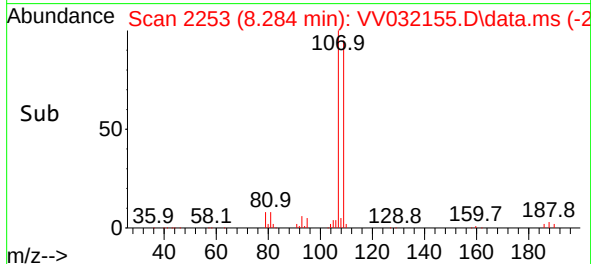
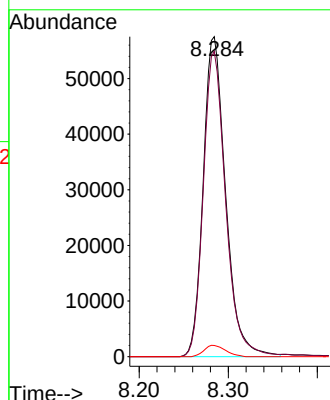
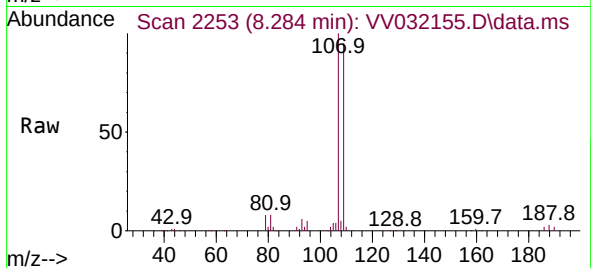
Tgt Ion:107 Resp: 100542

Ion Ratio Lower Upper

107 100

109 95.4 65.4 121.4

188 3.5 2.8 4.2



#51

Chlorobenzene

Concen: 53.583 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. -0.000 min

Lab File: VV032155.D

Acq: 22 Sep 2023 10:55

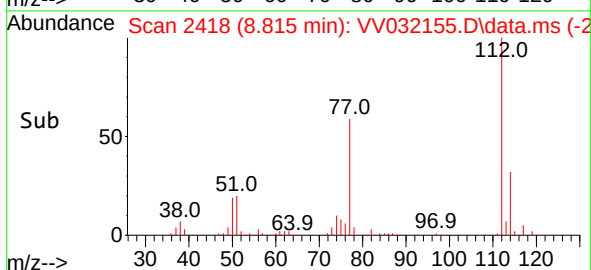
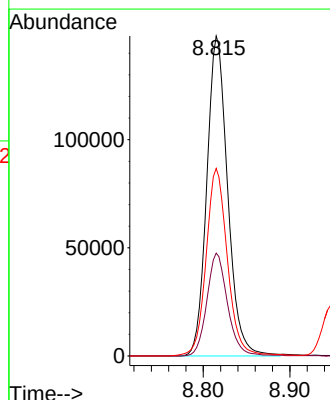
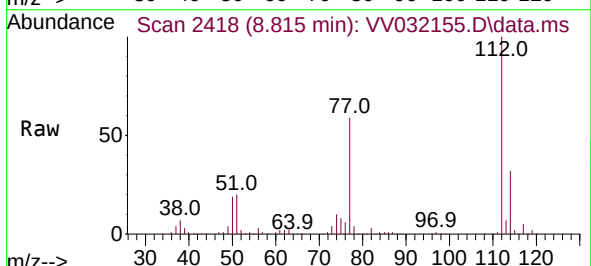
Tgt Ion:112 Resp: 247849

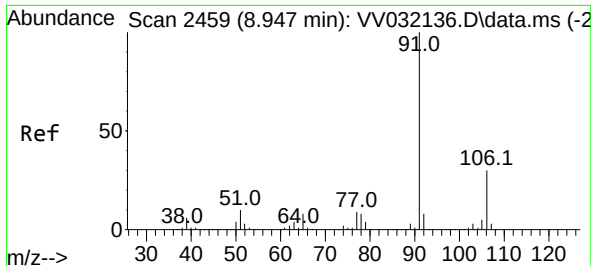
Ion Ratio Lower Upper

112 100

114 32.1 22.0 40.8

77 58.6 49.4 74.0

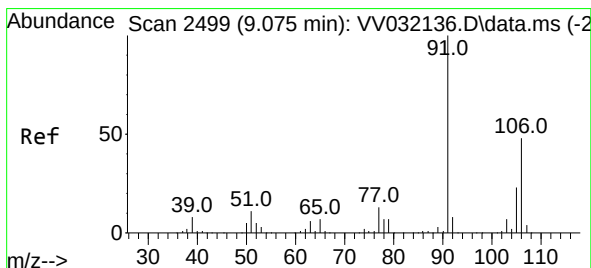
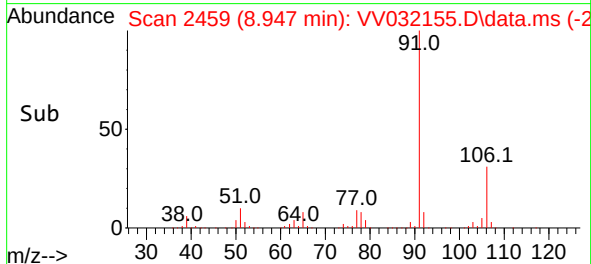
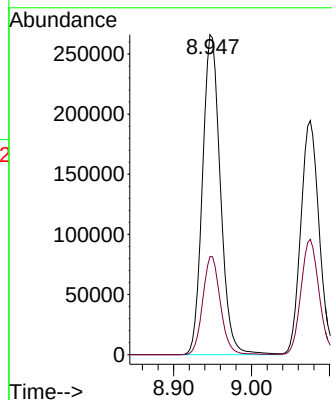
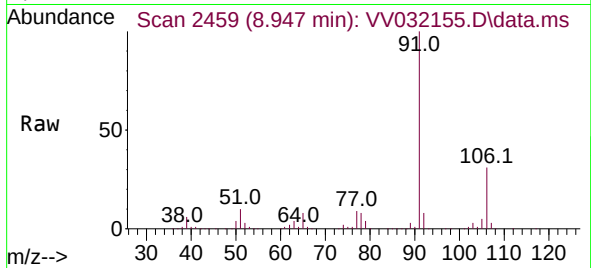




#52
Ethylbenzene
Concen: 51.463 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. -0.000 min
Lab File: VV032155.D
Acq: 22 Sep 2023 10:55

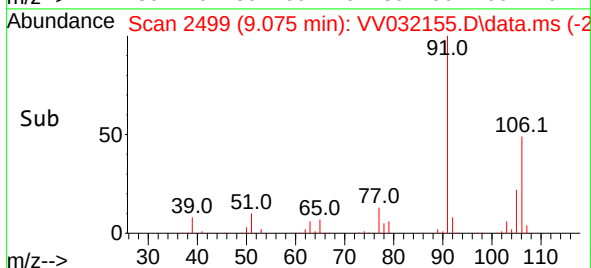
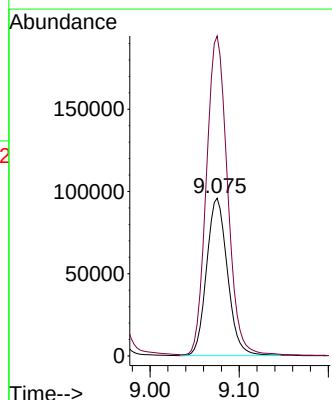
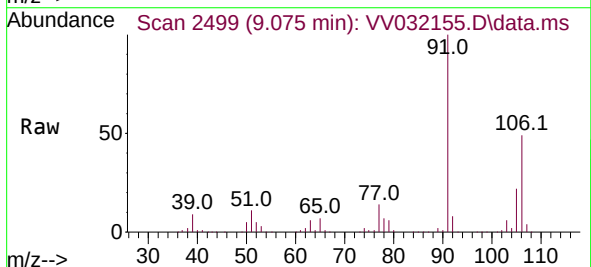
Instrument :
MSVOA_V
ClientSampleId :

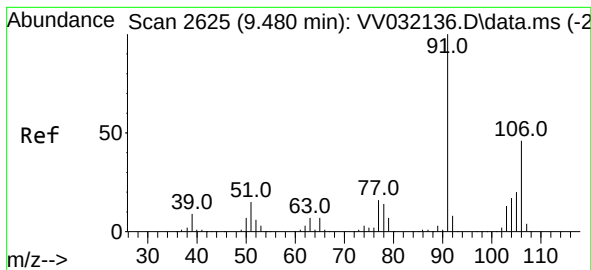
Tgt Ion: 91 Resp: 424356
Ion Ratio Lower Upper
91 100
106 30.6 21.5 39.9



#53
m,p-Xylene
Concen: 50.818 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. -0.000 min
Lab File: VV032155.D
Acq: 22 Sep 2023 10:55

Tgt Ion: 106 Resp: 155589
Ion Ratio Lower Upper
106 100
91 202.8 147.0 273.0





#54

o-Xylene

Concen: 52.532 ug/L

RT: 9.480 min Scan# 2

Delta R.T. -0.000 min

Lab File: VV032155.D

Acq: 22 Sep 2023 10:55

Instrument :

MSVOA_V

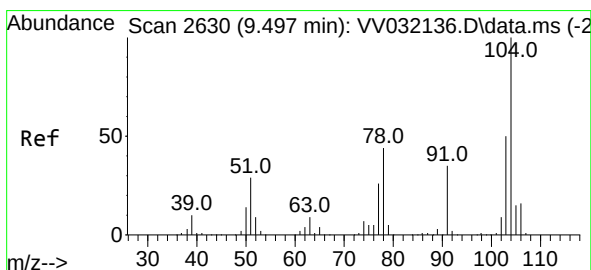
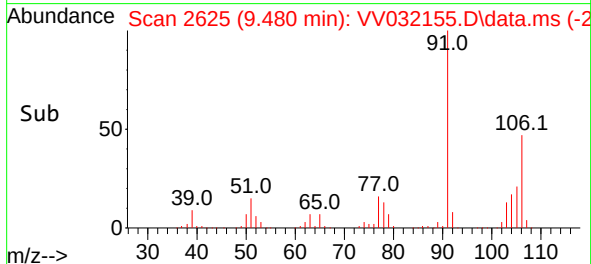
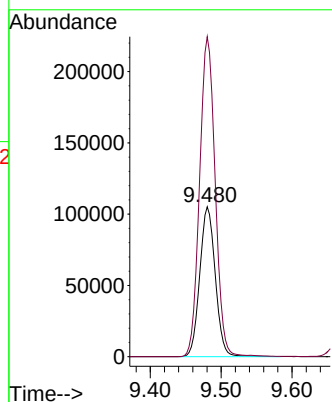
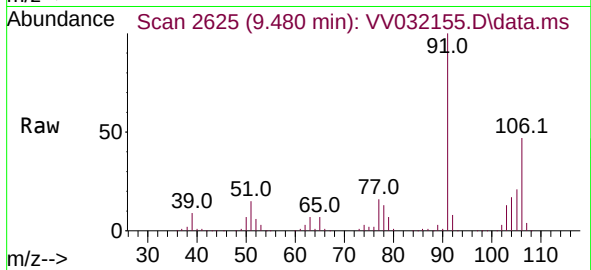
ClientSampleId :

Tgt Ion:106 Resp: 159963

Ion Ratio Lower Upper

106 100

91 213.5 154.3 286.5



#55

Styrene

Concen: 52.468 ug/L

RT: 9.496 min Scan# 2630

Delta R.T. -0.000 min

Lab File: VV032155.D

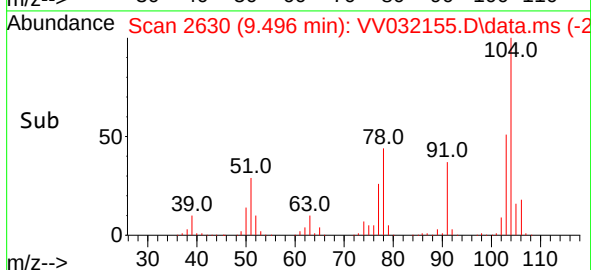
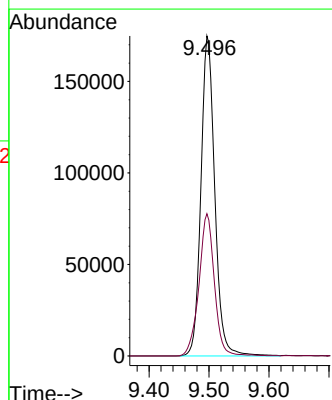
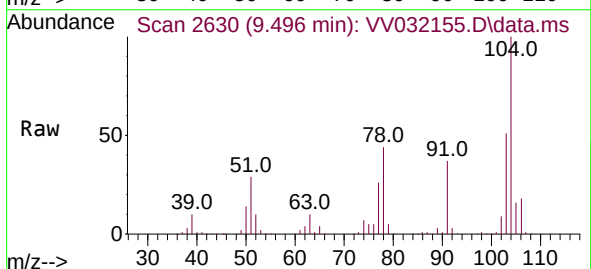
Acq: 22 Sep 2023 10:55

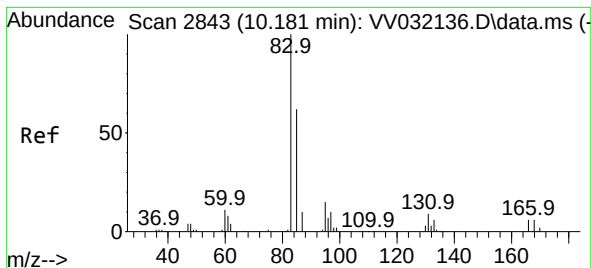
Tgt Ion:104 Resp: 282438

Ion Ratio Lower Upper

104 100

78 44.5 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 62.300 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. -0.000 min

Lab File: VV032155.D

Acq: 22 Sep 2023 10:55

Instrument :

MSVOA_V

ClientSampleId :

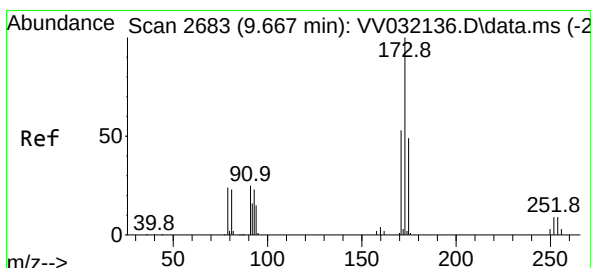
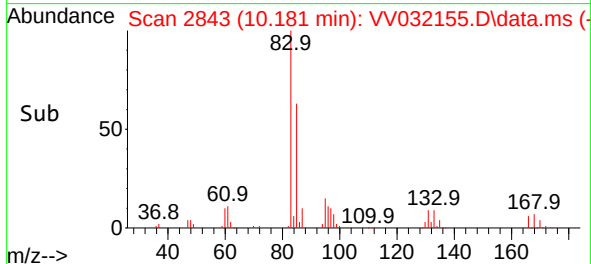
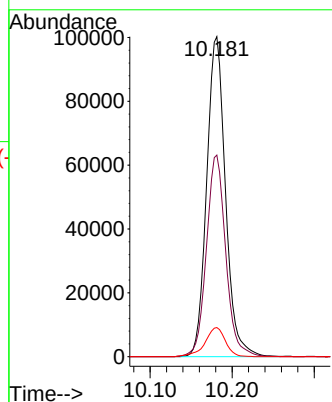
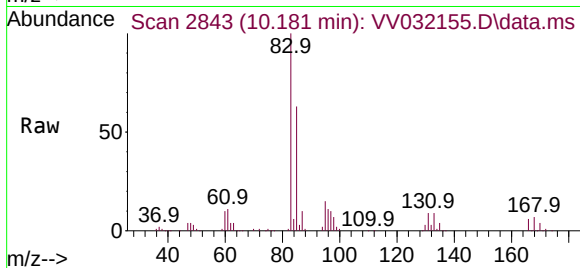
Tgt Ion: 83 Resp: 159820

Ion Ratio Lower Upper

83 100

85 63.0 45.1 83.9

131 9.1 7.4 11.2



#59

Bromoform

Concen: 56.225 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. -0.000 min

Lab File: VV032155.D

Acq: 22 Sep 2023 10:55

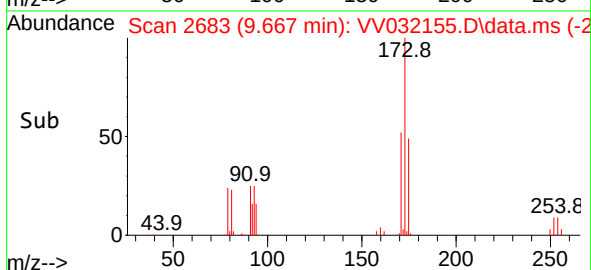
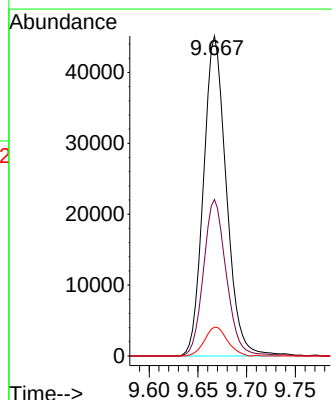
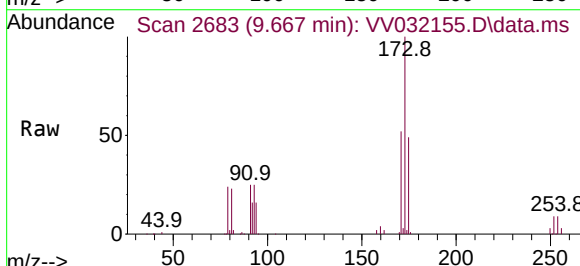
Tgt Ion: 173 Resp: 73682

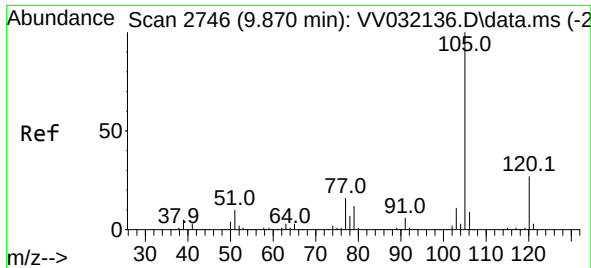
Ion Ratio Lower Upper

173 100

175 48.9 38.3 57.5

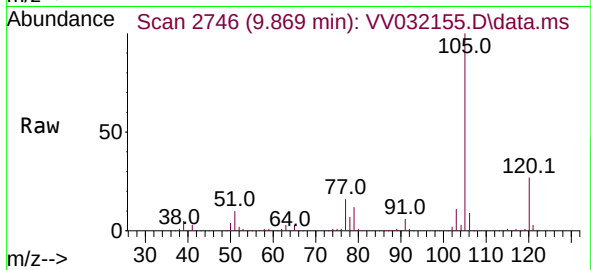
254 9.0 6.9 10.3



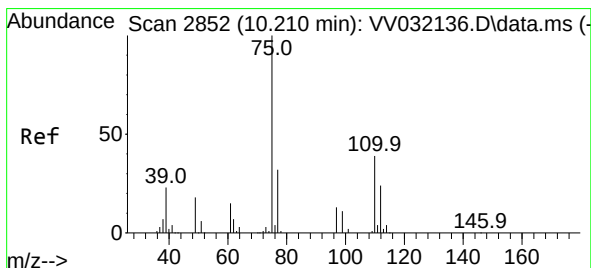
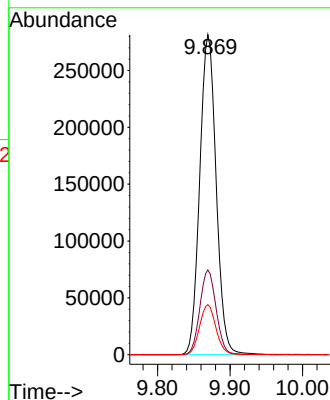
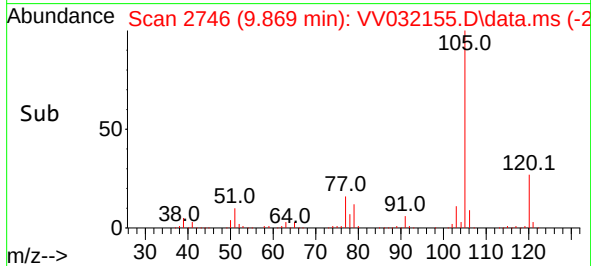


#60
Isopropylbenzene
Concen: 52.326 ug/L
RT: 9.869 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV032155.D
Acq: 22 Sep 2023 10:55

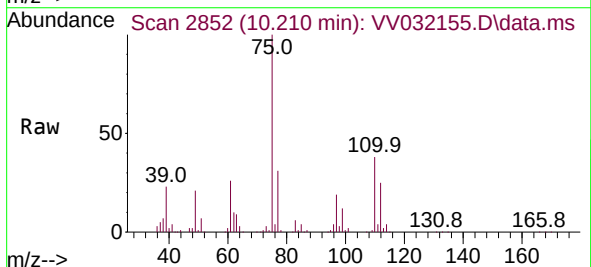
Instrument :
MSVOA_V
ClientSampleId :



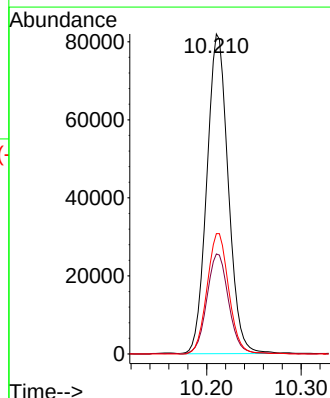
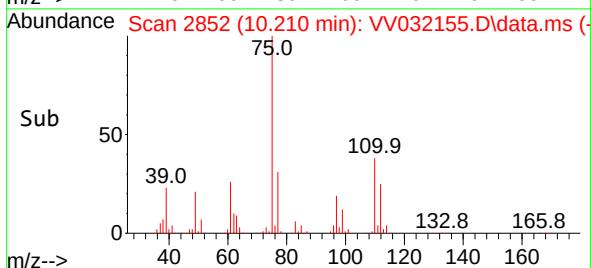
Tgt Ion:105 Resp: 442913
Ion Ratio Lower Upper
105 100
120 26.2 20.6 31.0
77 15.7 12.8 19.2

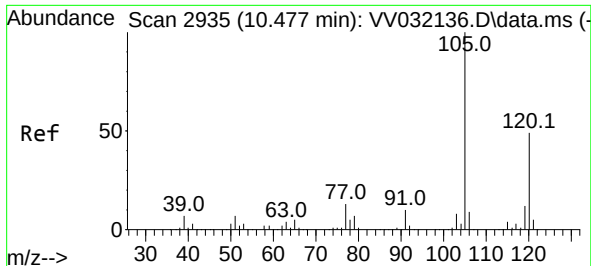


#61
1,2,3-Trichloropropane
Concen: 53.987 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. -0.000 min
Lab File: VV032155.D
Acq: 22 Sep 2023 10:55



Tgt Ion: 75 Resp: 128900
Ion Ratio Lower Upper
75 100
77 31.9 25.7 38.5
110 38.2 30.3 45.5





#62

1,3,5-Trimethylbenzene

Concen: 50.741 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VV032155.D

Acq: 22 Sep 2023 10:55

Instrument :

MSVOA_V

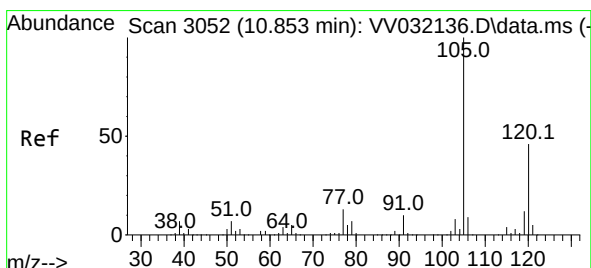
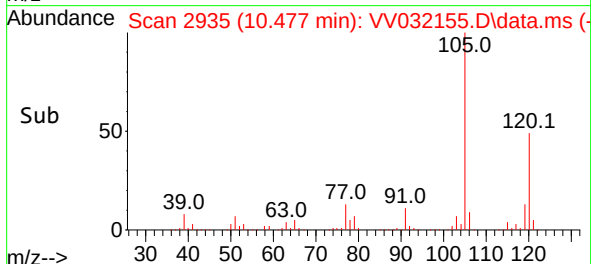
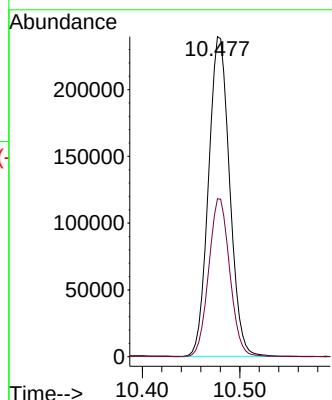
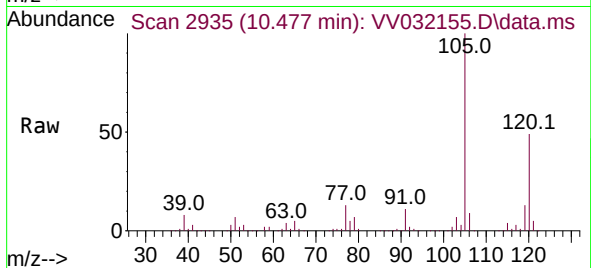
ClientSampleId :

Tgt Ion:105 Resp: 361338

Ion Ratio Lower Upper

105 100

120 49.3 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 51.136 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. -0.000 min

Lab File: VV032155.D

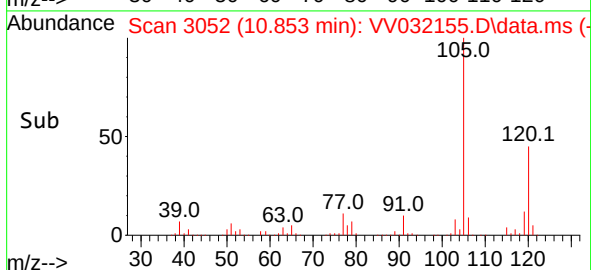
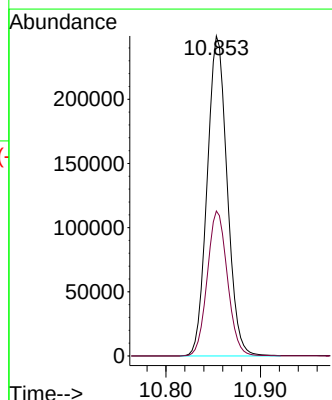
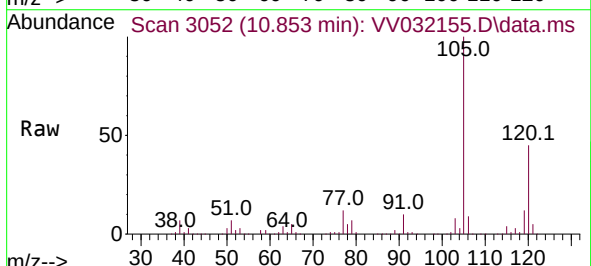
Acq: 22 Sep 2023 10:55

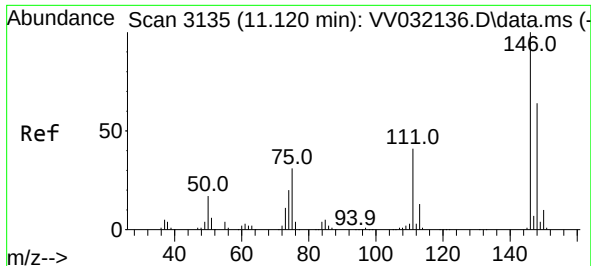
Tgt Ion:105 Resp: 366322

Ion Ratio Lower Upper

105 100

120 45.7 35.9 53.9

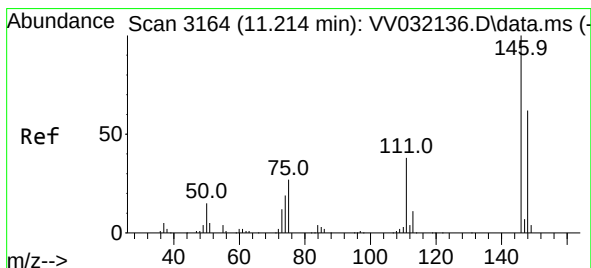
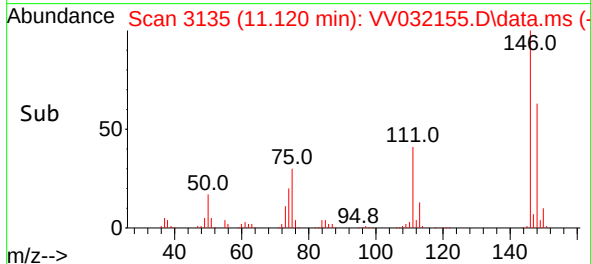
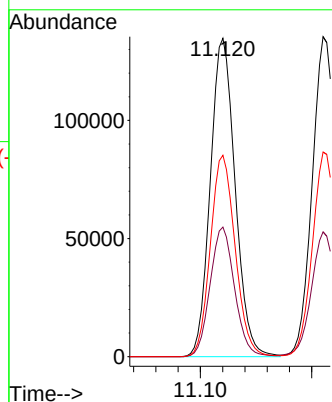
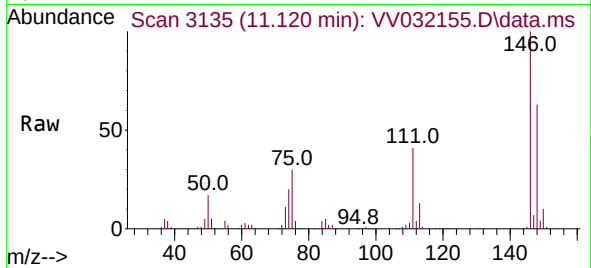




#64
1,3-Dichlorobenzene
Concen: 54.989 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. -0.000 min
Lab File: VV032155.D
Acq: 22 Sep 2023 10:55

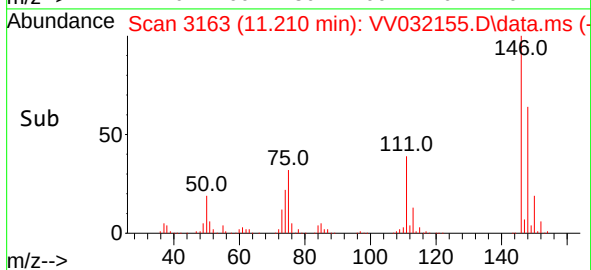
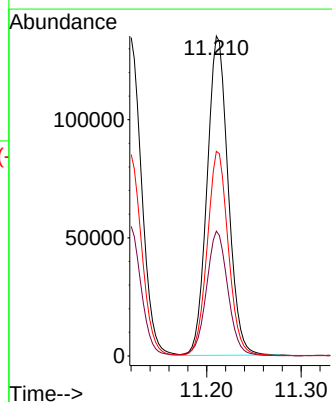
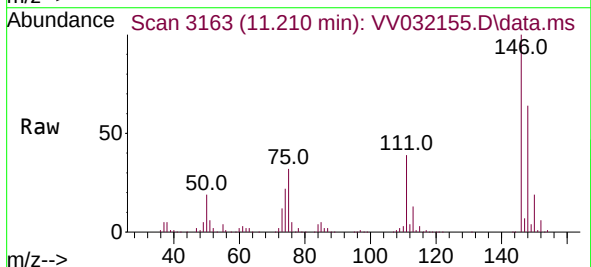
Instrument :
MSVOA_V
ClientSampleId :

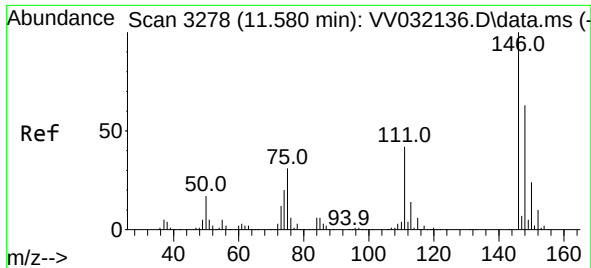
Tgt Ion:146 Resp: 208598
Ion Ratio Lower Upper
146 100
111 40.7 30.2 56.0
148 63.3 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 54.200 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. -0.003 min
Lab File: VV032155.D
Acq: 22 Sep 2023 10:55

Tgt Ion:146 Resp: 209068
Ion Ratio Lower Upper
146 100
111 39.0 28.5 52.9
148 63.9 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 55.735 ug/L

RT: 11.580 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032155.D

Acq: 22 Sep 2023 10:55

Instrument :

MSVOA_V

ClientSampleId :

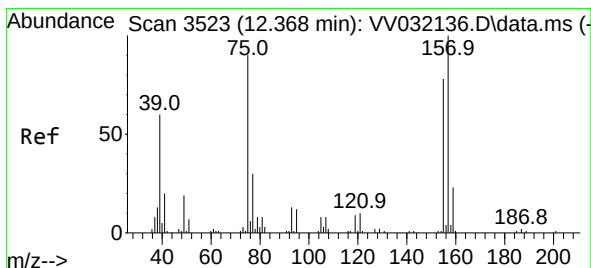
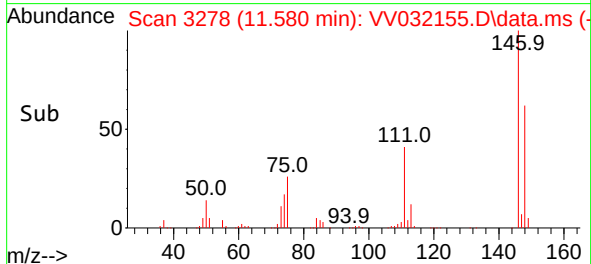
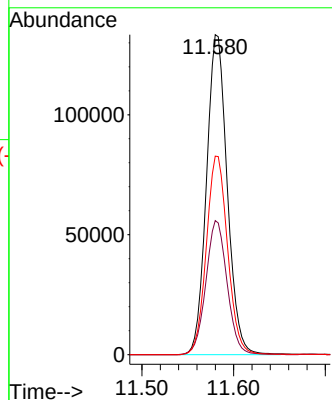
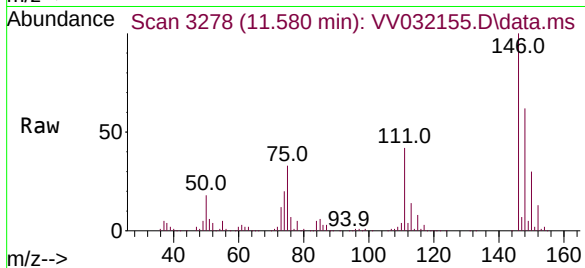
Tgt Ion:146 Resp: 209507

Ion Ratio Lower Upper

146 100

111 41.9 35.8 53.6

148 62.1 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 47.061 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. -0.000 min

Lab File: VV032155.D

Acq: 22 Sep 2023 10:55

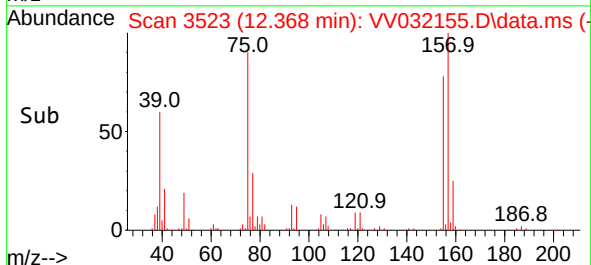
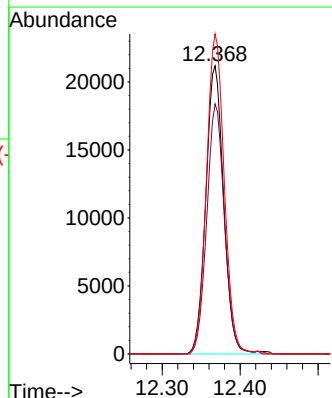
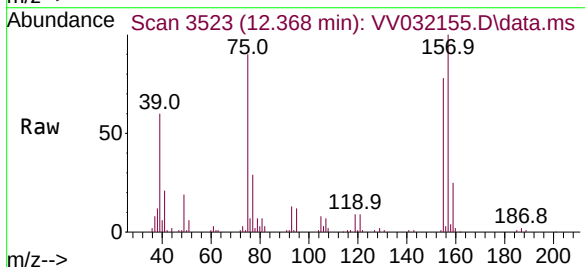
Tgt Ion: 75 Resp: 33751

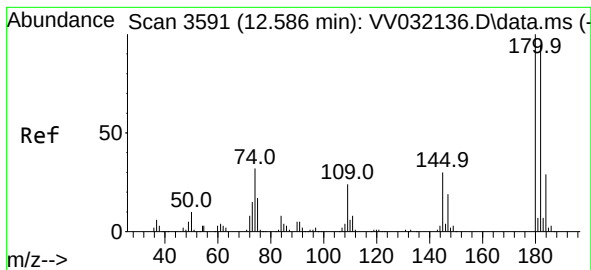
Ion Ratio Lower Upper

75 100

155 86.8 60.1 90.1

157 111.0 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 55.819 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. -0.000 min

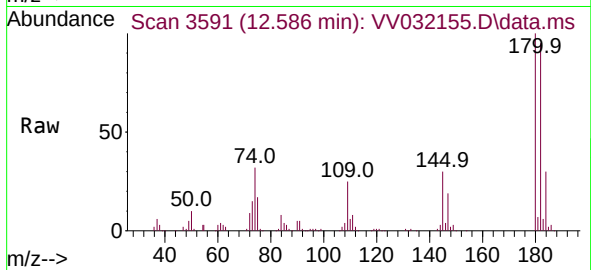
Lab File: VV032155.D

Acq: 22 Sep 2023 10:55

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 154365

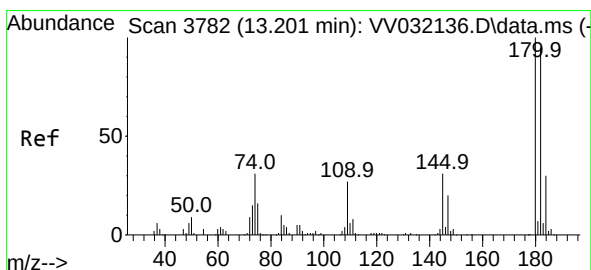
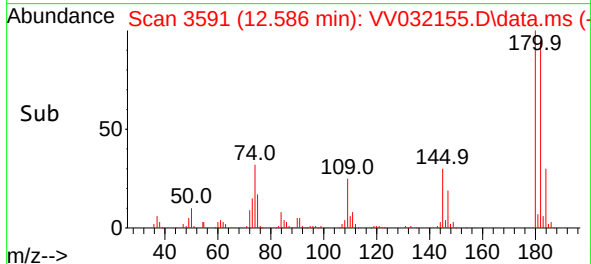
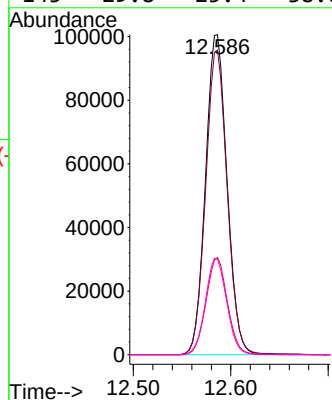
Ion Ratio Lower Upper

180 100

182 95.2 75.4 113.2

184 30.1 23.7 35.5

145 29.8 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 54.964 ug/L

RT: 13.200 min Scan# 3782

Delta R.T. -0.000 min

Lab File: VV032155.D

Acq: 22 Sep 2023 10:55

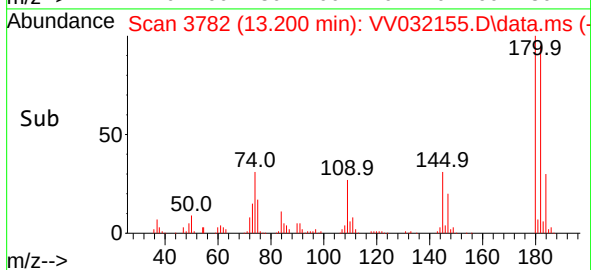
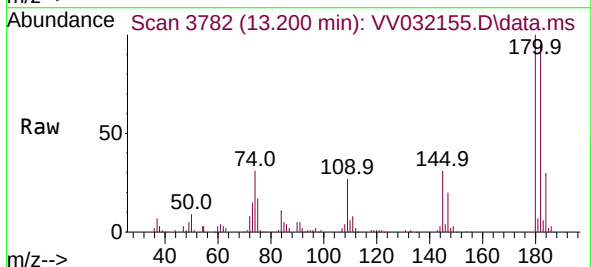
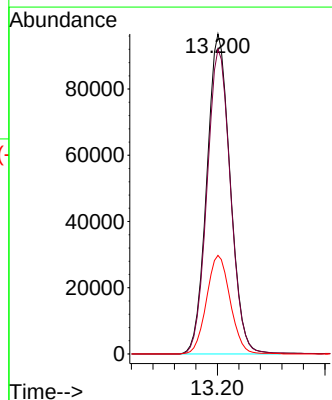
Tgt Ion:180 Resp: 145903

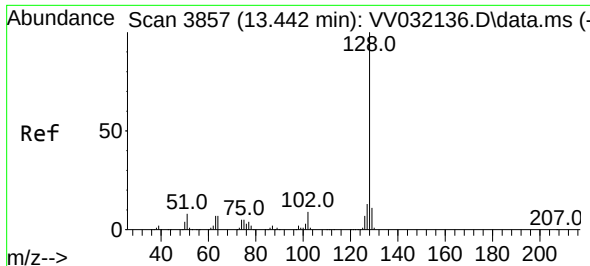
Ion Ratio Lower Upper

180 100

182 95.5 75.4 113.2

145 31.2 26.0 39.0

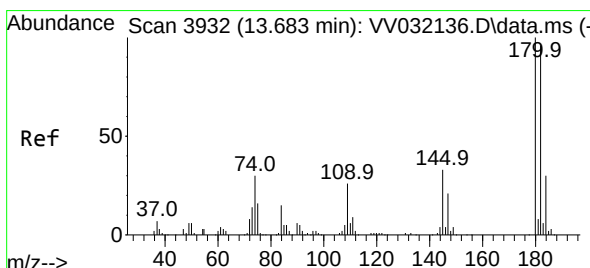
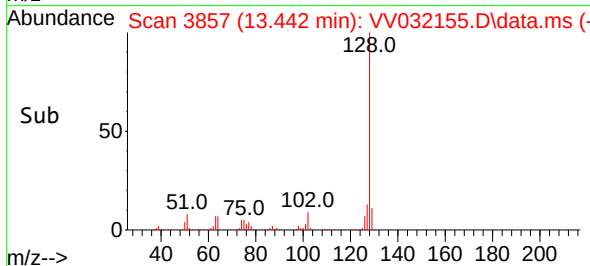
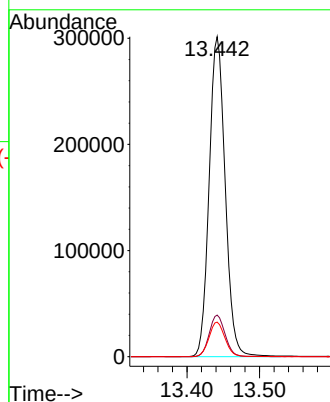
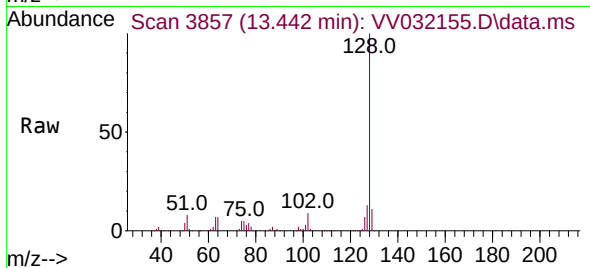




#71
Naphthalene
Concen: 54.716 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. -0.000 min
Lab File: VV032155.D
Acq: 22 Sep 2023 10:55

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 464047
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.9 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 57.949 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. -0.000 min
Lab File: VV032155.D
Acq: 22 Sep 2023 10:55

Tgt Ion:180 Resp: 147401
Ion Ratio Lower Upper
180 100
182 95.6 76.7 115.1
145 32.7 27.7 41.5

