

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW103123\
 Data File : VW032815.D
 Acq On : 31 Oct 2023 21:41
 Operator : SY/MD
 Sample : 05105-15MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 01 05:53:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 01 05:44:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	370608	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	407279	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	225412	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	146129	41.455	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.920%
7) Chloroethane-d5	1.532	69	124817	42.338	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.680%
11) 1,1-Dichloroethene-d2	2.059	65	60859	41.800	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.600%
21) 2-Butanone-d5	3.786	46	141096	92.282	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.280%
24) Chloroform-d	4.252	84	242183	43.044	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.080%
26) 1,2-Dichloroethane-d4	4.944	65	152591	43.636	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.280%
32) Benzene-d6	4.963	84	469044	44.791	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.580%
36) 1,2-Dichloropropane-d6	5.992	67	139958	43.993	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.980%
41) Toluene-d8	7.246	98	487210	47.251	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.500%
43) trans-1,3-Dichloroprop...	7.554	79	77613	46.842	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.680%
47) 2-Hexanone-d5	8.027	63	108938	93.796	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.800%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	213945	44.316	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.640%
66) 1,2-Dichlorobenzene-d4	11.564	152	194190	44.705	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	142070	43.566	ug/L	99
3) Chloromethane	1.217	50	138606	43.935	ug/L	99
5) Vinyl chloride	1.285	62	149678	44.494	ug/L	99
6) Bromomethane	1.484	94	101036	43.044	ug/L	95
8) Chloroethane	1.548	64	101911	45.001	ug/L	97
9) Trichlorofluoromethane	1.715	101	232019	43.280	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	139633	43.047	ug/L	99
12) 1,1-Dichloroethene	2.072	96	122730	44.276	ug/L	83
13) Acetone	2.111	43	121511	47.479	ug/L	96
14) Carbon disulfide	2.243	76	303227	45.826	ug/L	98
15) Methyl Acetate	2.371	43	121855	46.960	ug/L	98
16) Methylene chloride	2.449	84	140100	38.105	ug/L	98
17) trans-1,2-Dichloroethene	2.696	96	119251	45.074	ug/L	95
18) Methyl tert-butyl Ether	2.706	73	389964	49.911	ug/L	99
19) 1,1-Dichloroethane	3.114	63	227364	45.095	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	137579	47.086	ug/L	99
22) 2-Butanone	3.866	43	161175	74.261	ug/L	99
23) Bromochloromethane	4.149	128	75129	46.068	ug/L	97
25) Chloroform	4.278	83	258131	44.920	ug/L	99

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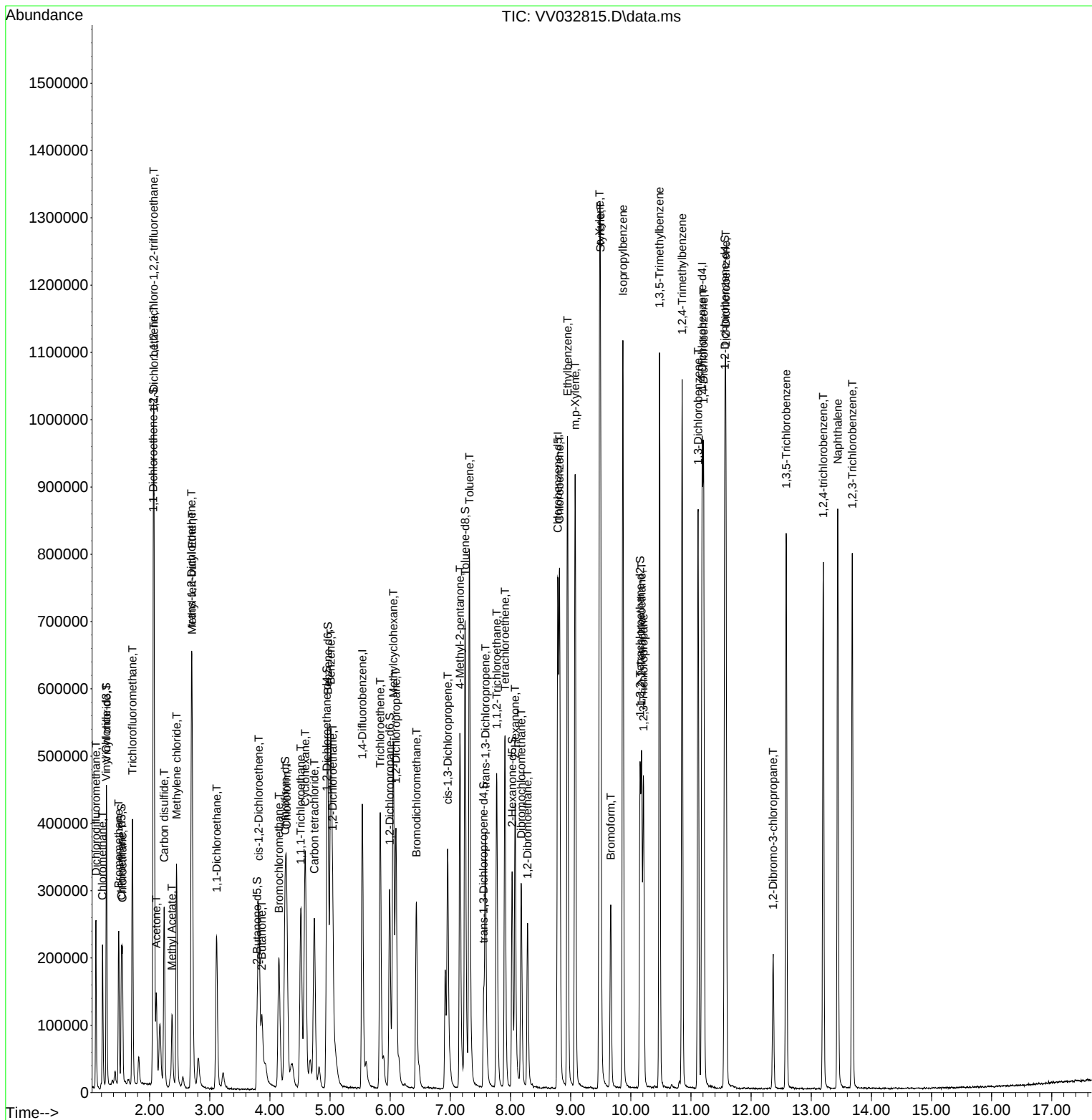
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 Quant Title : VOC Analysis
 QLast Update : Wed Nov 01 05:44:49 2023
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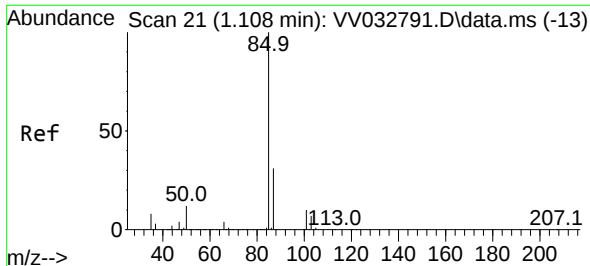
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

27) 1,2-Dichloroethane	5.043	62	195245	47.145	ug/L	100
29) Cyclohexane	4.587	56	173686	47.451	ug/L #	94
30) 1,1,1-Trichloroethane	4.513	97	220932	45.277	ug/L	100
31) Carbon tetrachloride	4.738	117	192608	44.669	ug/L	100
33) Benzene	5.011	78	515993	47.779	ug/L	100
34) Trichloroethene	5.834	95	137873	45.861	ug/L	98
35) Methylcyclohexane	6.053	83	218418	46.432	ug/L	97
37) 1,2-Dichloropropane	6.095	63	123601	43.116	ug/L	98
38) Bromodichloromethane	6.436	83	205981	45.800	ug/L	100
39) cis-1,3-Dichloropropene	6.956	75	215346	50.072	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	353454	104.037	ug/L	99
42) Toluene	7.316	91	616784	50.150	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	221645	50.175	ug/L	98
45) 1,1,2-Trichloroethane	7.770	97	155202	47.200	ug/L	97
46) Tetrachloroethene	7.908	164	120279	44.342	ug/L	97
48) 2-Hexanone	8.075	43	258420	84.777	ug/L	97
49) Dibromochloromethane	8.178	129	160826	46.783	ug/L	100
50) 1,2-Dibromoethane	8.284	107	162632	48.548	ug/L	100
51) Chlorobenzene	8.815	112	409794	47.065	ug/L	98
52) Ethylbenzene	8.950	91	676501	49.865	ug/L	100
53) m,p-Xylene	9.075	106	261066	50.561	ug/L	99
54) o-Xylene	9.480	106	252327	50.444	ug/L	97
55) Styrene	9.496	104	453118	51.979	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.178	83	222149	45.109	ug/L	99
59) Bromoform	9.667	173	117938	46.666	ug/L	99
60) Isopropylbenzene	9.869	105	695507	50.878	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	173627	46.115	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	552782	51.388	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	544266	52.892	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	342719	48.124	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	355862	47.359	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	344092	47.329	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	44924	45.846	ug/L	97
69) 1,3,5-Trichlorobenzene	12.583	180	244509	47.559	ug/L	100
70) 1,2,4-trichlorobenzene	13.201	180	223461	50.259	ug/L	99
71) Naphthalene	13.442	128	654161	58.918	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	235230	52.989	ug/L	98

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

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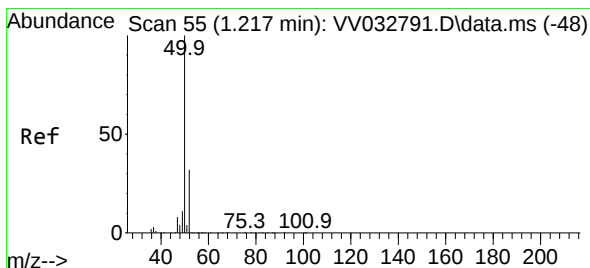
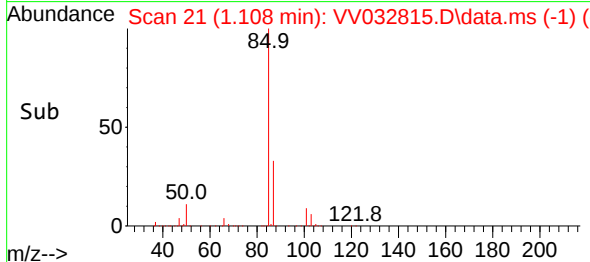
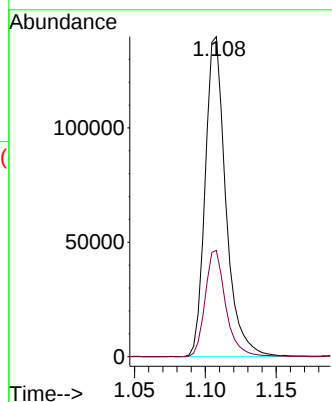
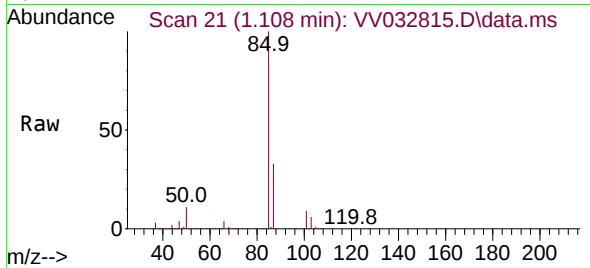




#2
 Dichlorodifluoromethane
 Concen: 43.566 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV032815.D
 Acq: 31 Oct 2023 21:41

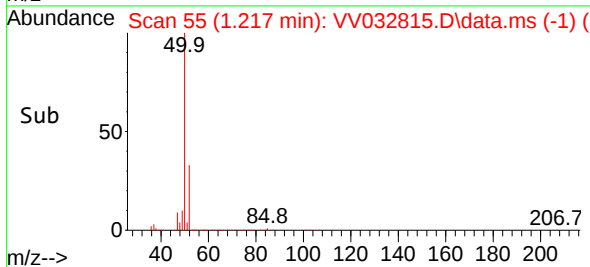
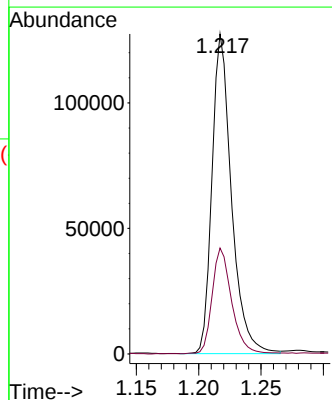
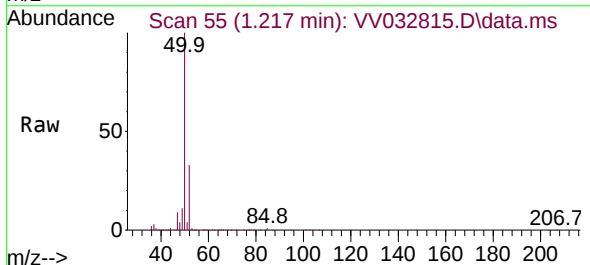
Instrument :
 MSVOA_V
 ClientSampleId :

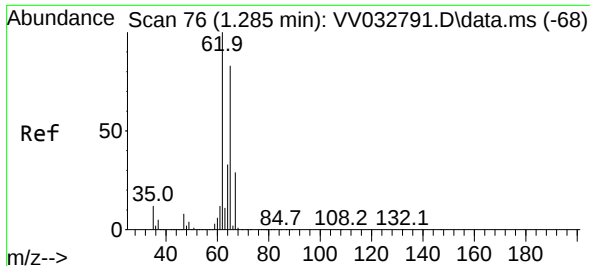
Tgt Ion: 85 Resp: 142070
 Ion Ratio Lower Upper
 85 100
 87 33.2 26.2 39.4



#3
 Chloromethane
 Concen: 43.935 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV032815.D
 Acq: 31 Oct 2023 21:41

Tgt Ion: 50 Resp: 138606
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.5 43.7

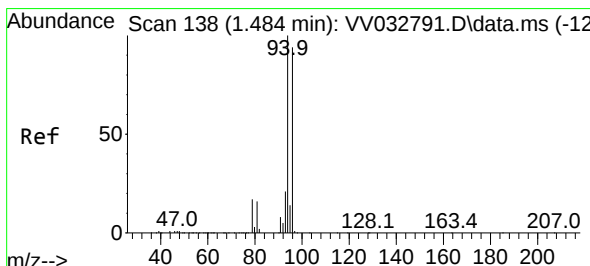
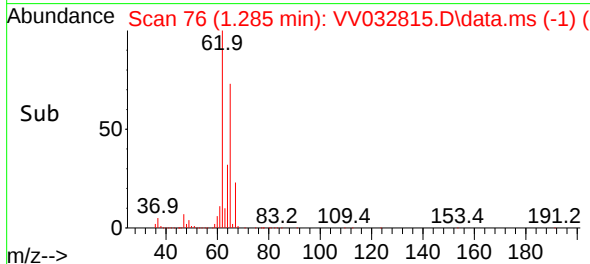
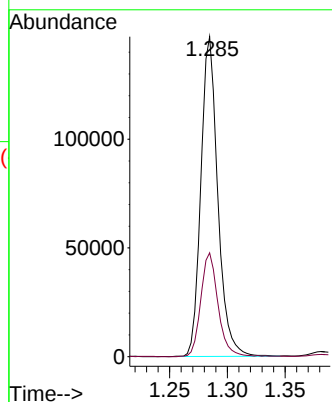
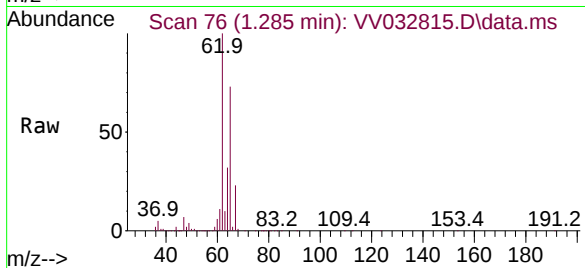




#5
 Vinyl chloride
 Concen: 44.494 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV032815.D
 Acq: 31 Oct 2023 21:41

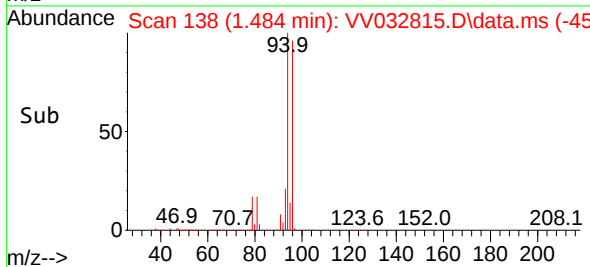
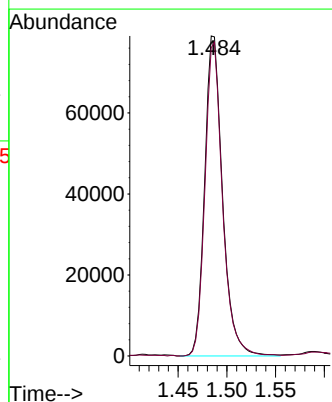
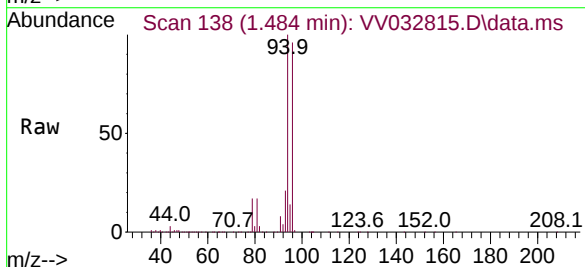
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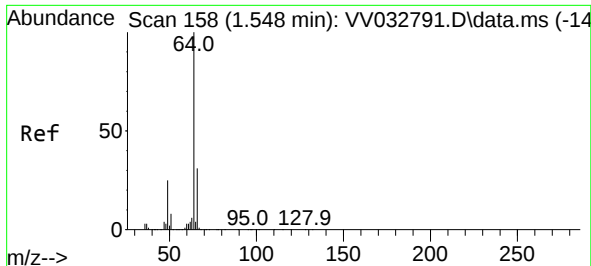
Tgt Ion: 62 Resp: 149678
 Ion Ratio Lower Upper
 62 100
 64 32.5 23.2 43.0



#6
 Bromomethane
 Concen: 43.044 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VV032815.D
 Acq: 31 Oct 2023 21:41

Tgt Ion: 94 Resp: 101036
 Ion Ratio Lower Upper
 94 100
 96 96.4 64.2 119.2

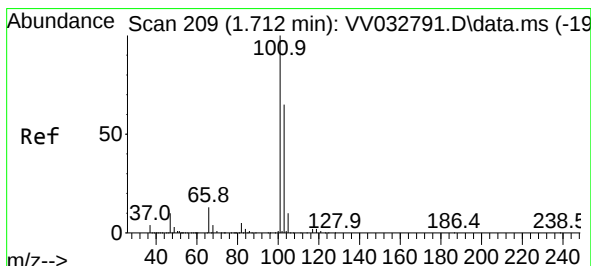
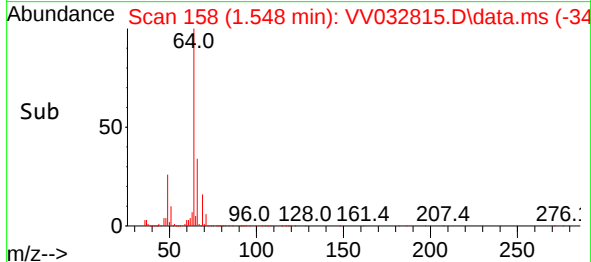
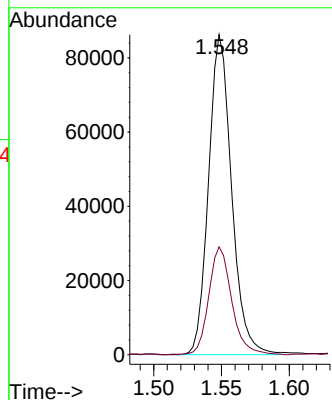
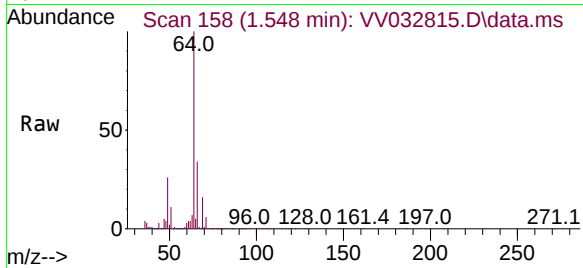




#8
Chloroethane
Concen: 45.001 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV032815.D
Acq: 31 Oct 2023 21:41

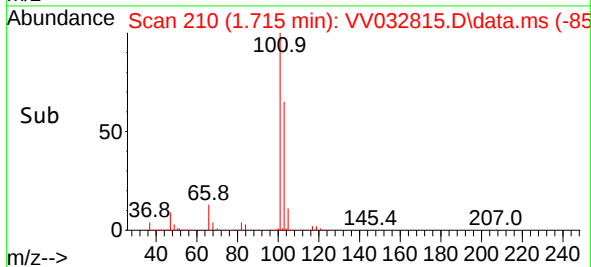
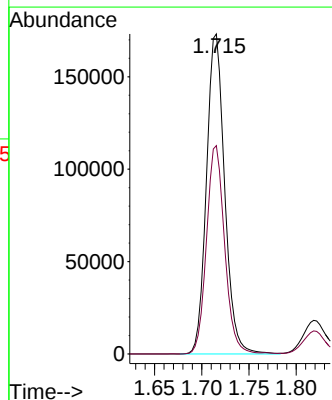
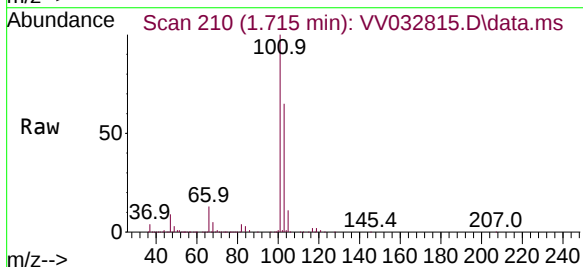
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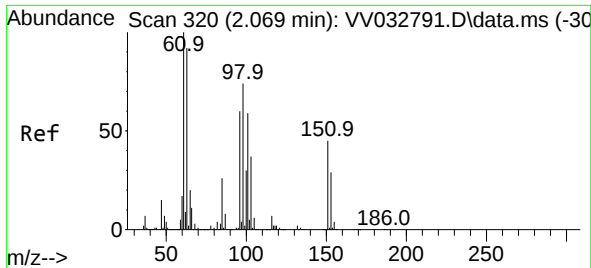
Tgt Ion: 64 Resp: 101911
Ion Ratio Lower Upper
64 100
66 33.7 22.5 41.9



#9
Trichlorofluoromethane
Concen: 43.280 ug/L
RT: 1.715 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV032815.D
Acq: 31 Oct 2023 21:41

Tgt Ion:101 Resp: 232019
Ion Ratio Lower Upper
101 100
103 64.7 51.7 77.5

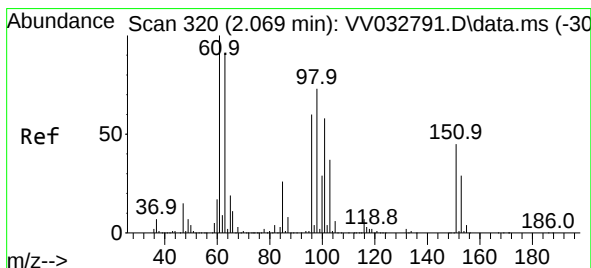
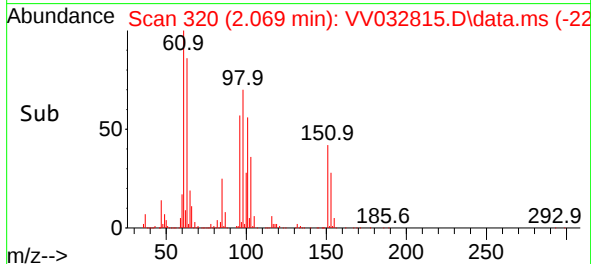
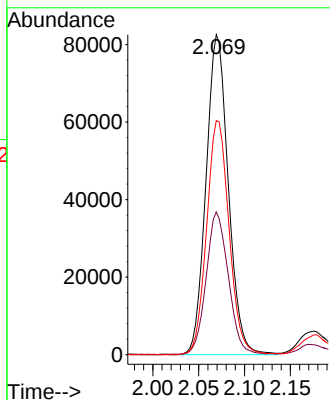
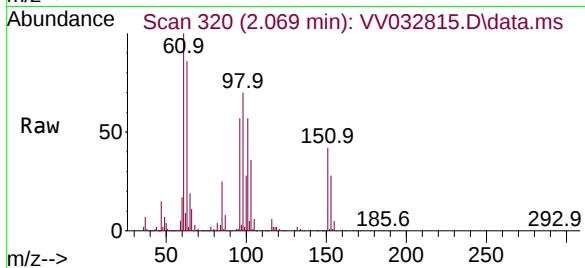




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 43.047 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV032815.D
 Acq: 31 Oct 2023 21:41

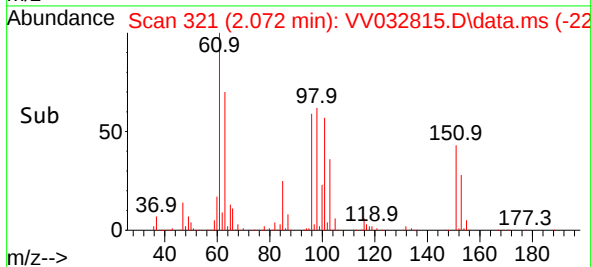
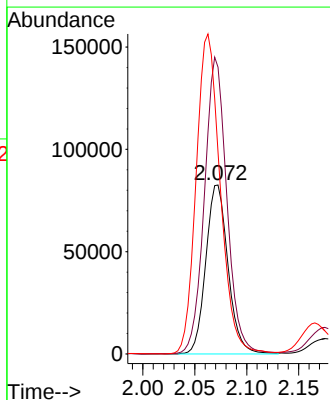
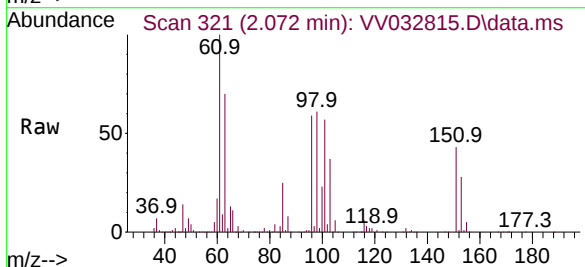
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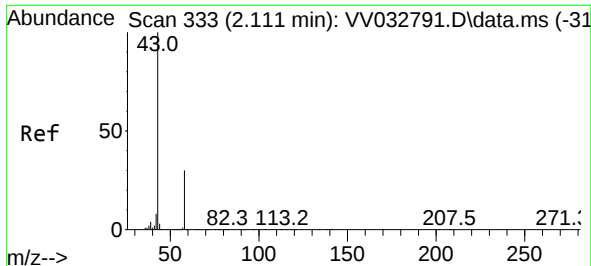
Tgt Ion:101 Resp: 139633
 Ion Ratio Lower Upper
 101 100
 85 44.0 35.6 53.4
 151 73.7 59.9 89.9



#12
 1,1-Dichloroethene
 Concen: 44.276 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.003 min
 Lab File: VV032815.D
 Acq: 31 Oct 2023 21:41

Tgt Ion: 96 Resp: 122730
 Ion Ratio Lower Upper
 96 100
 61 169.7 124.2 230.6
 63 119.2 111.8 207.6





#13

Acetone

Concen: 47.479 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.000 min

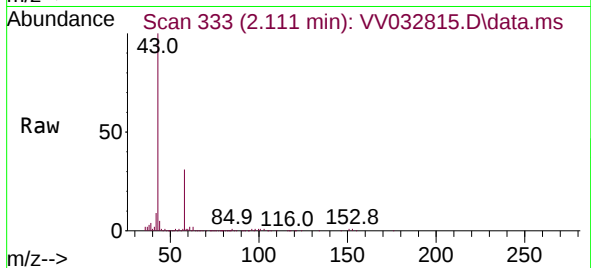
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MSVOA_V

ClientSampleId :

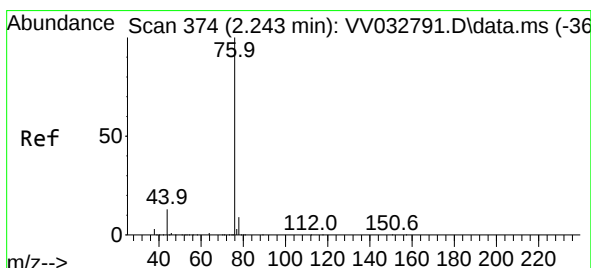
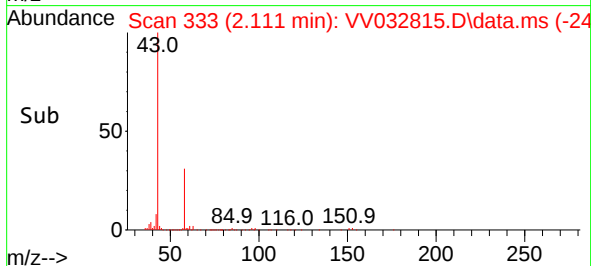
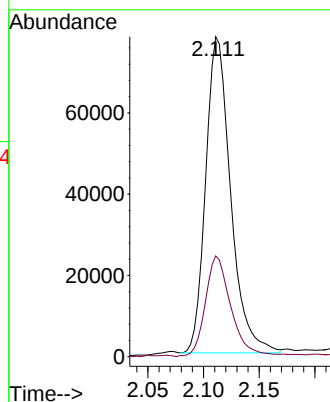


Tgt Ion: 43 Resp: 121511

Ion Ratio Lower Upper

43 100

58 32.6 0.0 61.2



#14

Carbon disulfide

Concen: 45.826 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.000 min

Lab File: VV032815.D

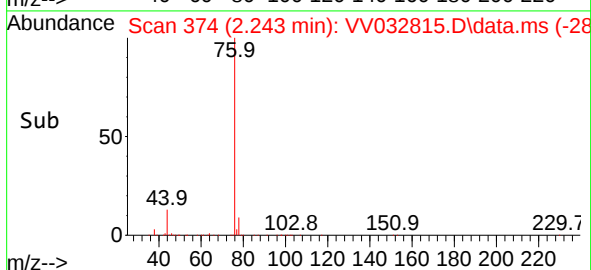
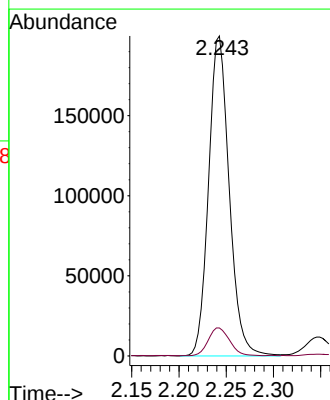
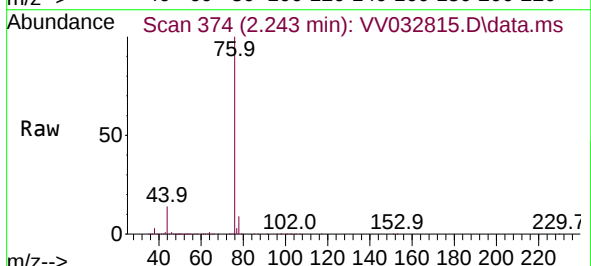
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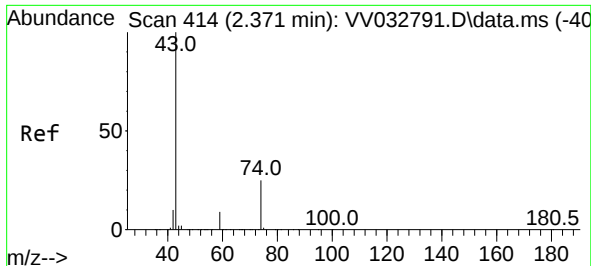
Tgt Ion: 76 Resp: 303227

Ion Ratio Lower Upper

76 100

78 8.8 7.6 11.4

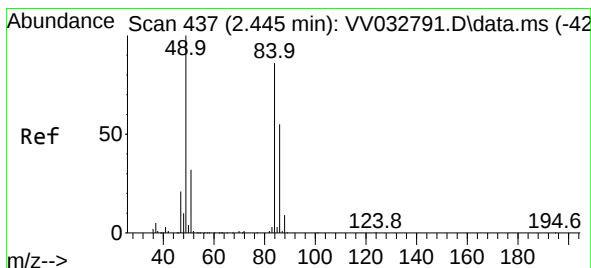
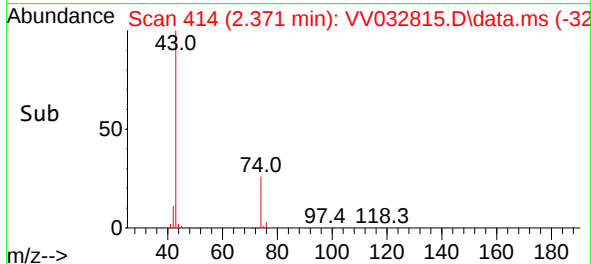
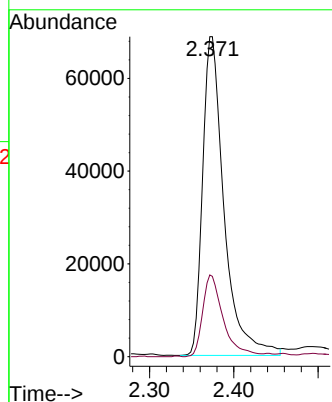
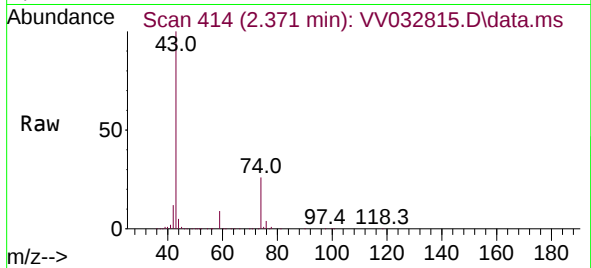




#15
Methyl Acetate
Concen: 46.960 ug/L
RT: 2.371 min Scan# 414
Delta R.T. -0.000 min
Lab File: VV032815.D
Acq: 31 Oct 2023 21:41

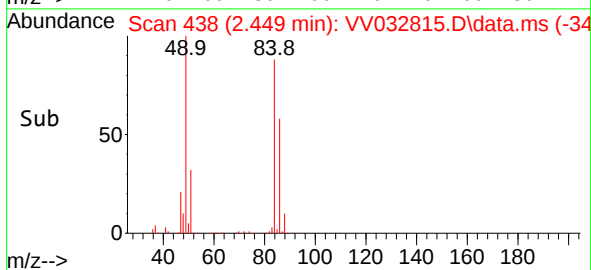
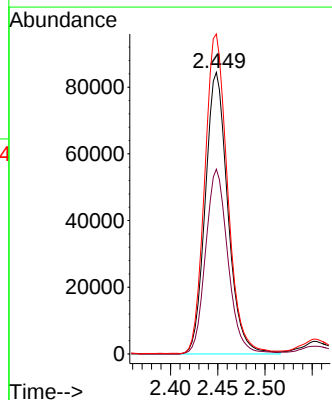
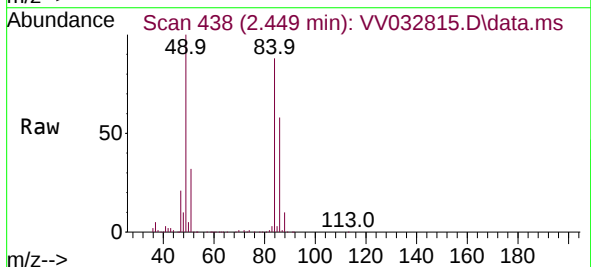
Instrument :
MSVOA_V
ClientSampleId :

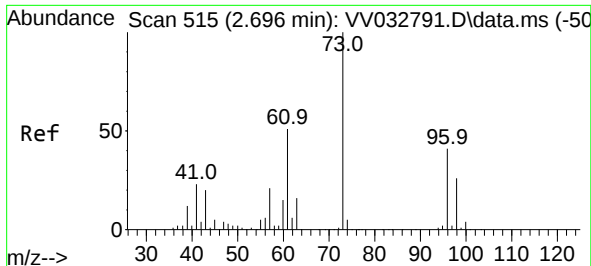
Tgt Ion: 43 Resp: 121855
Ion Ratio Lower Upper
43 100
74 24.6 20.6 30.8



#16
Methylene chloride
Concen: 38.105 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV032815.D
Acq: 31 Oct 2023 21:41

Tgt Ion: 84 Resp: 140100
Ion Ratio Lower Upper
84 100
86 65.7 45.0 83.6
49 113.6 81.2 150.8





#17

trans-1,2-Dichloroethene

Concen: 45.074 ug/L

RT: 2.696 min Scan# 515

Delta R.T. -0.000 min

Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

Instrument :

MSVOA_V

ClientSampleId :

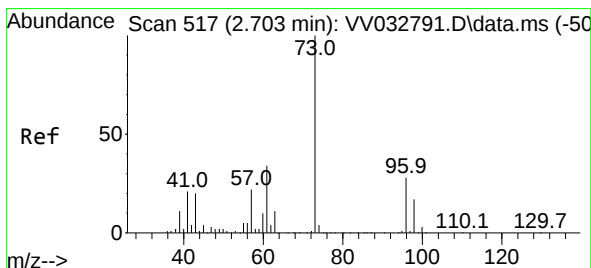
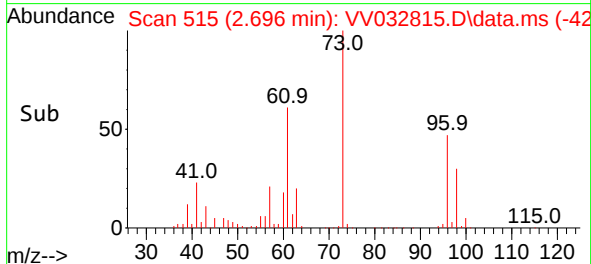
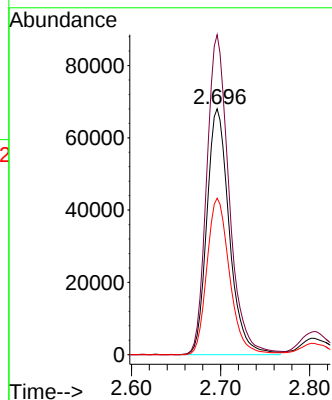
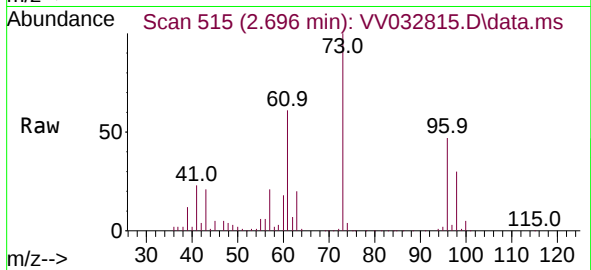
Tgt Ion: 96 Resp: 119251

Ion Ratio Lower Upper

96 100

61 130.1 86.9 161.3

98 63.7 42.9 79.7



#18

Methyl tert-butyl Ether

Concen: 49.911 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.003 min

Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

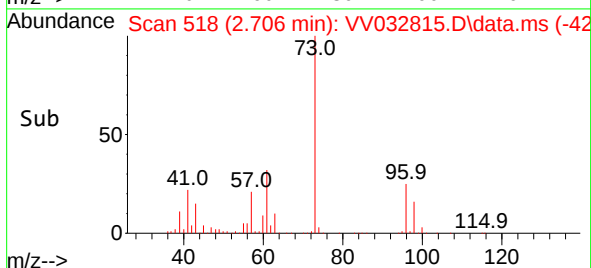
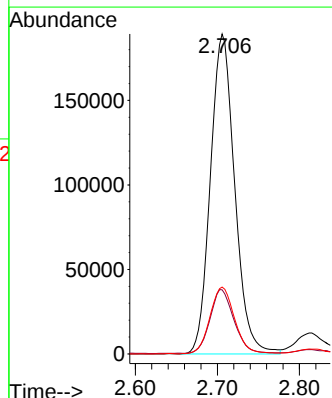
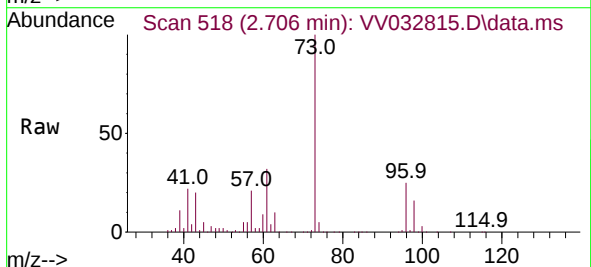
Tgt Ion: 73 Resp: 389964

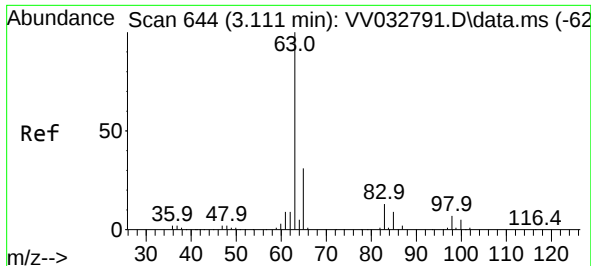
Ion Ratio Lower Upper

73 100

43 19.4 16.1 24.1

57 21.3 17.4 26.0





#19

1,1-Dichloroethane

Concen: 45.095 ug/L

RT: 3.114 min Scan# 644

Delta R.T. 0.003 min

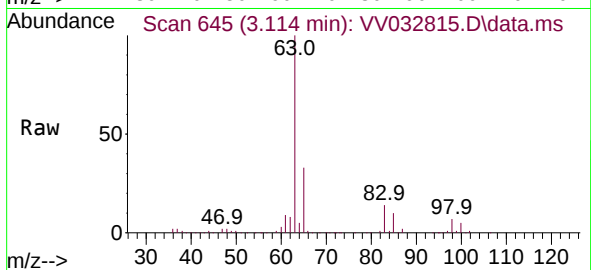
Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

Instrument :

MSVOA_V

ClientSampleId :



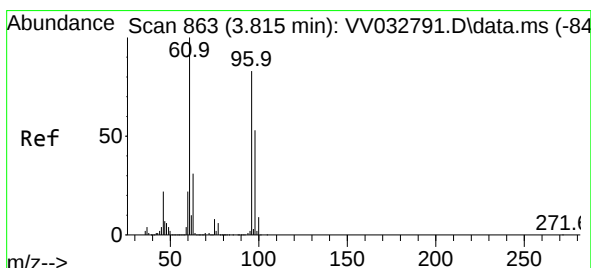
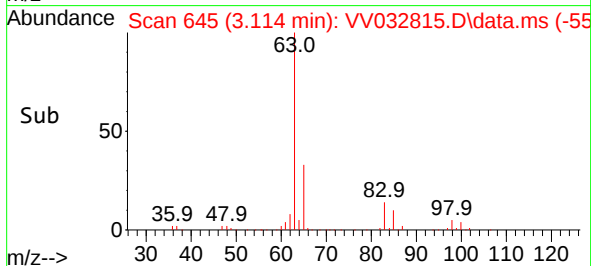
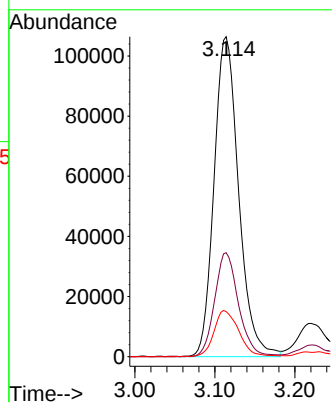
Tgt Ion: 63 Resp: 227364

Ion Ratio Lower Upper

63 100

65 32.5 22.3 41.5

83 14.1 10.1 18.7



#20

cis-1,2-Dichloroethene

Concen: 47.086 ug/L

RT: 3.815 min Scan# 863

Delta R.T. -0.000 min

Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

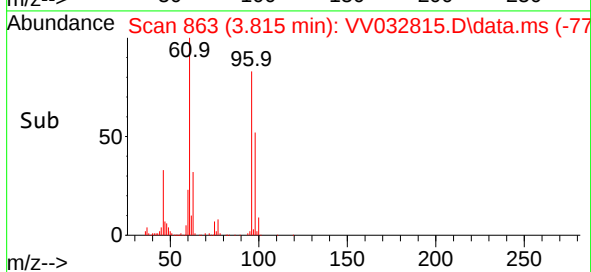
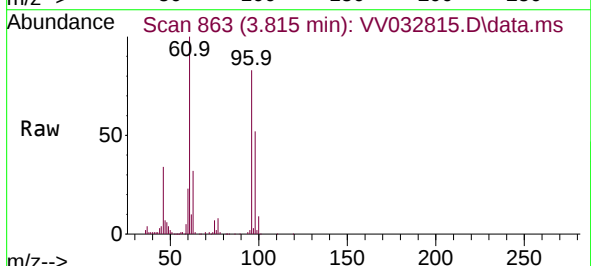
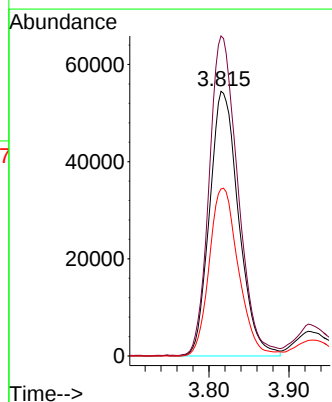
Tgt Ion: 96 Resp: 137579

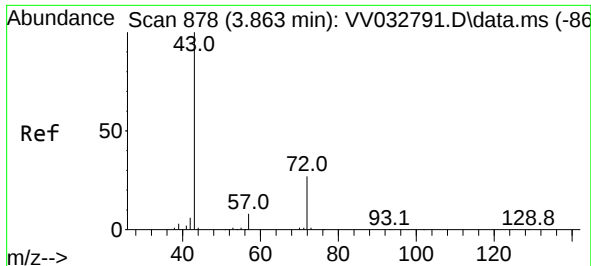
Ion Ratio Lower Upper

96 100

61 120.9 83.3 154.7

98 63.1 44.2 82.2

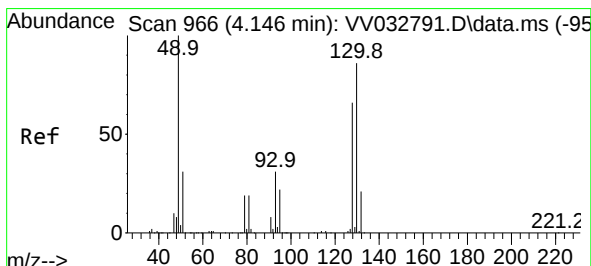
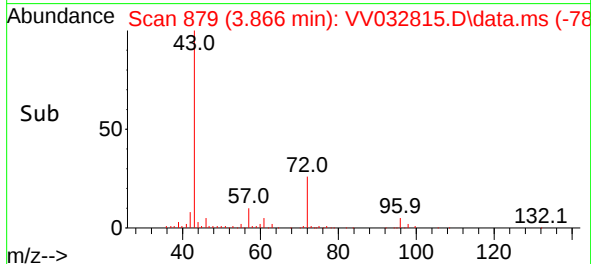
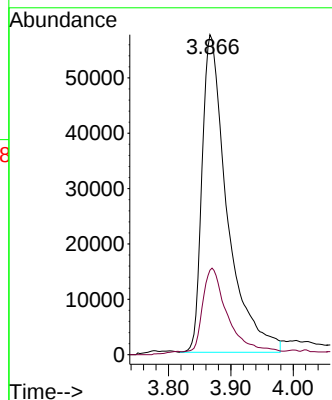
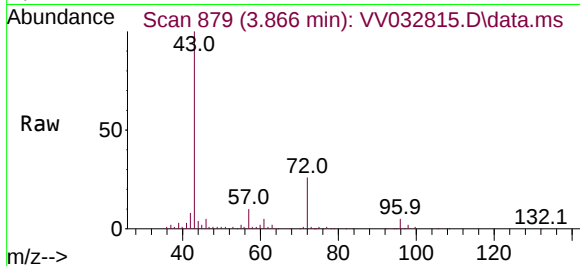




#22
2-Butanone
Concen: 74.261 ug/L
RT: 3.866 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV032815.D
Acq: 31 Oct 2023 21:41

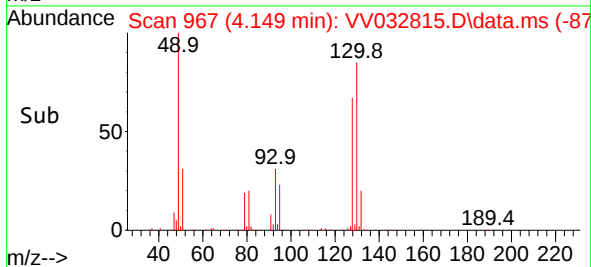
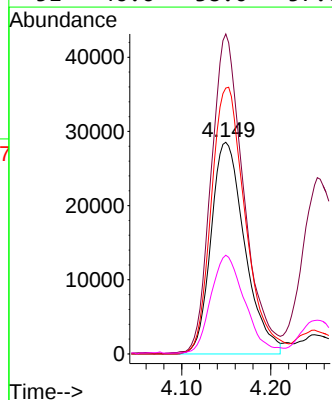
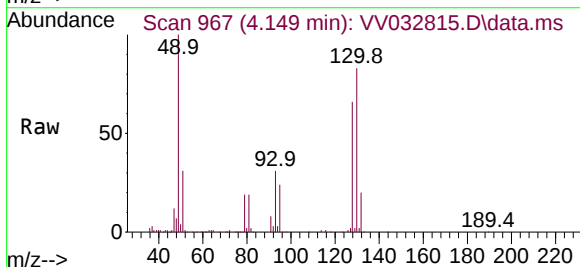
Instrument :
MSVOA_V
ClientSampleId :

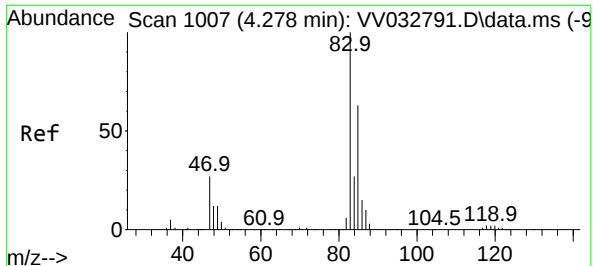
Tgt Ion: 43 Resp: 161175
Ion Ratio Lower Upper
43 100
72 26.4 13.5 40.4



#23
Bromochloromethane
Concen: 46.068 ug/L
RT: 4.149 min Scan# 967
Delta R.T. 0.003 min
Lab File: VV032815.D
Acq: 31 Oct 2023 21:41

Tgt Ion:128 Resp: 75129
Ion Ratio Lower Upper
128 100
49 151.2 101.0 187.6
130 125.6 88.5 164.4
51 46.6 38.0 57.0





#25

Chloroform

Concen: 44.920 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. -0.000 min

Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

Instrument :

MSVOA_V

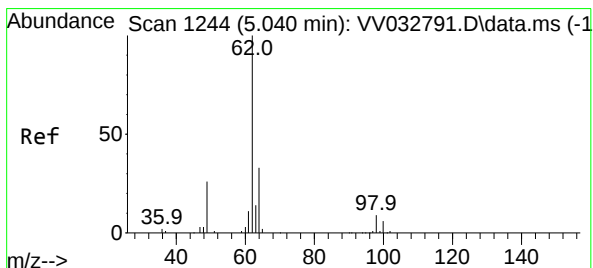
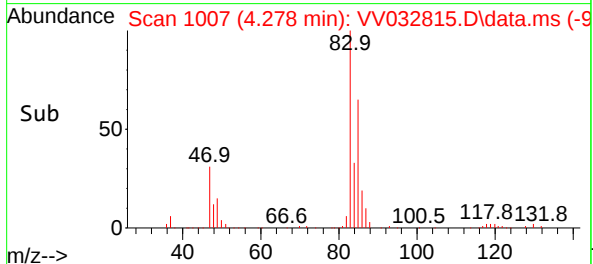
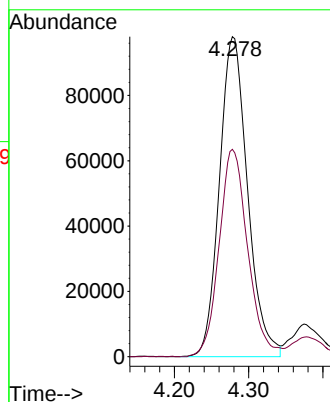
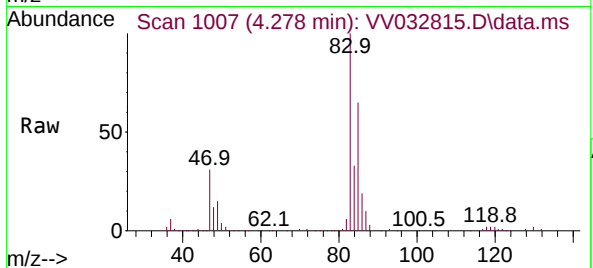
ClientSampleId :

Tgt Ion: 83 Resp: 258131

Ion Ratio Lower Upper

83 100

85 64.8 46.2 85.8



#27

1,2-Dichloroethane

Concen: 47.145 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. 0.003 min

Lab File: VV032815.D

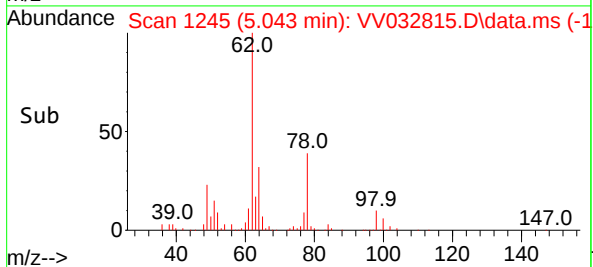
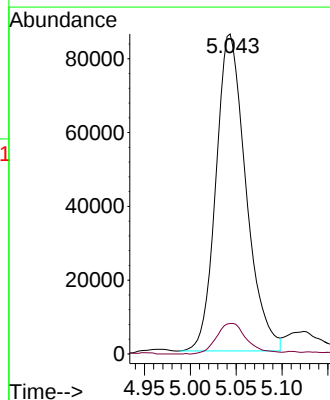
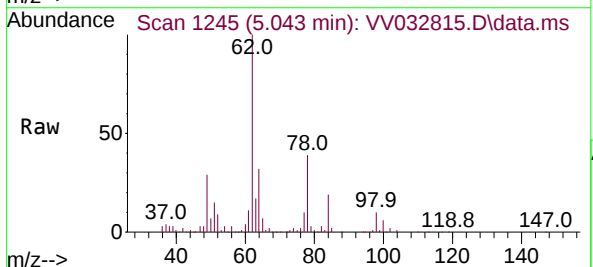
Acq: 31 Oct 2023 21:41

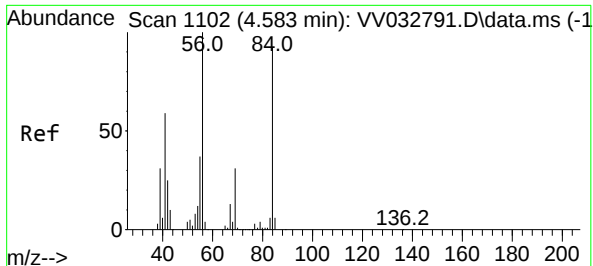
Tgt Ion: 62 Resp: 195245

Ion Ratio Lower Upper

62 100

98 9.5 7.5 11.3





#29

Cyclohexane

Concen: 47.451 ug/L

RT: 4.587 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

Instrument :

MSVOA_V

ClientSampleId :

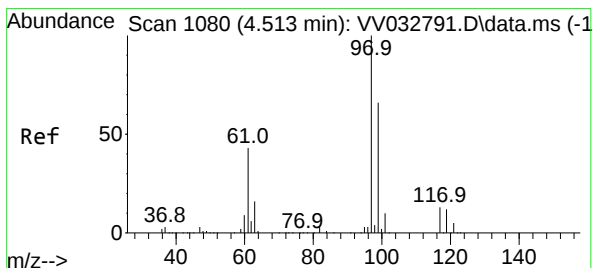
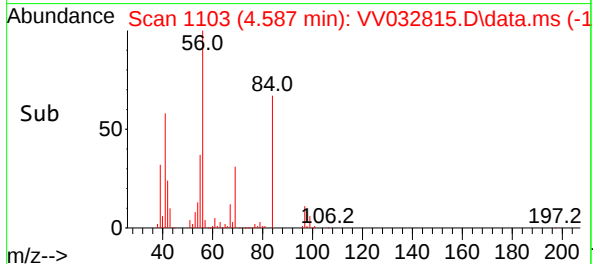
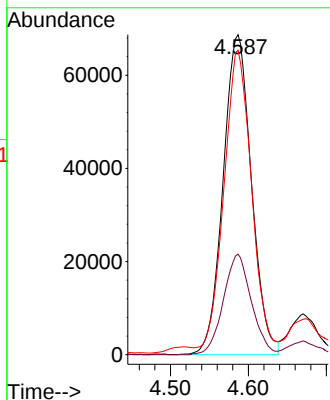
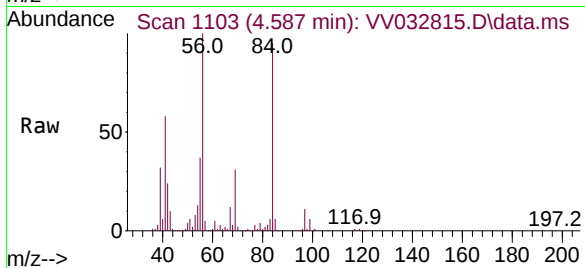
Tgt Ion: 56 Resp: 173686

Ion Ratio Lower Upper

56 100

69 30.9 13.4 20.0#

84 92.6 75.3 112.9



#30

1,1,1-Trichloroethane

Concen: 45.277 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. -0.000 min

Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

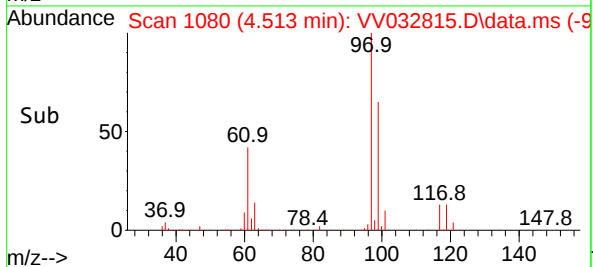
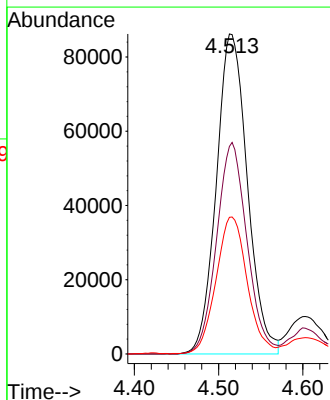
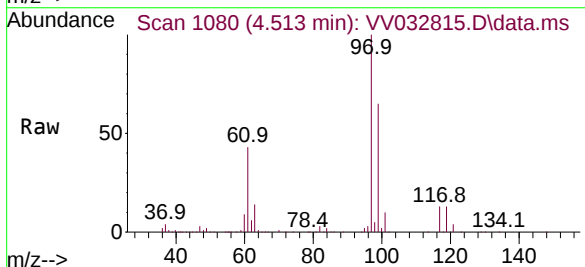
Tgt Ion: 97 Resp: 220932

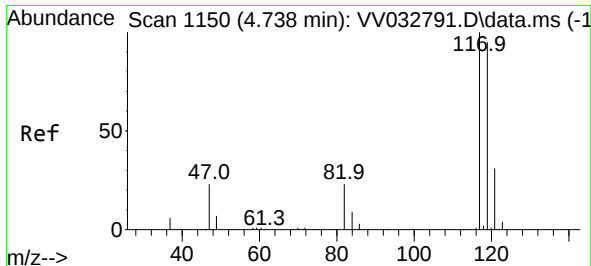
Ion Ratio Lower Upper

97 100

99 64.8 51.8 77.6

61 42.8 34.8 52.2

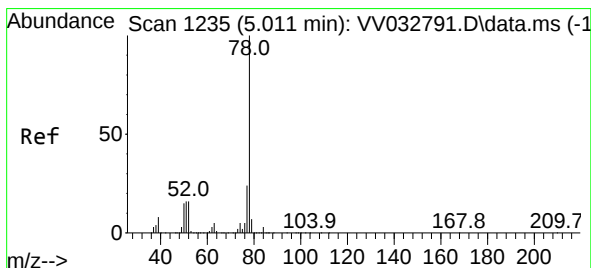
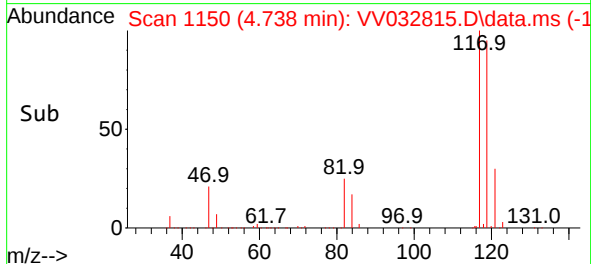
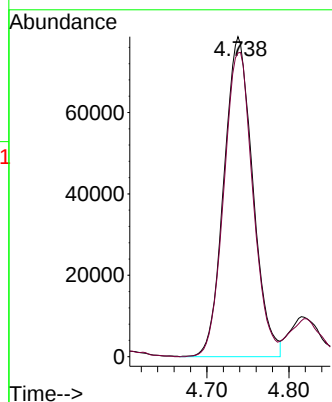
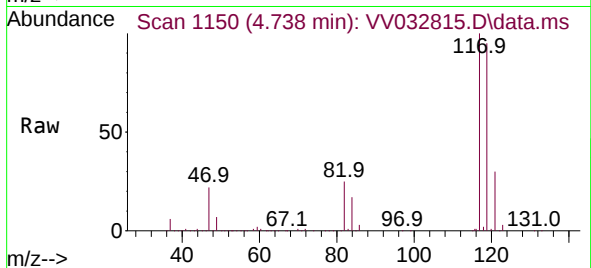




#31
Carbon tetrachloride
Concen: 44.669 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. -0.000 min
Lab File: VV032815.D
Acq: 31 Oct 2023 21:41

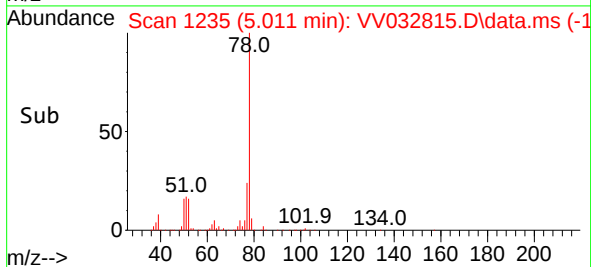
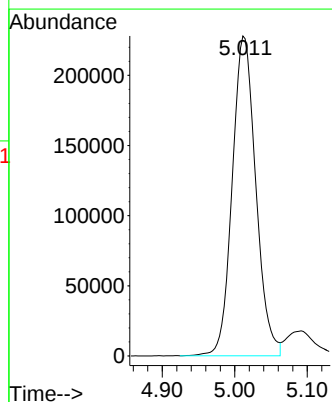
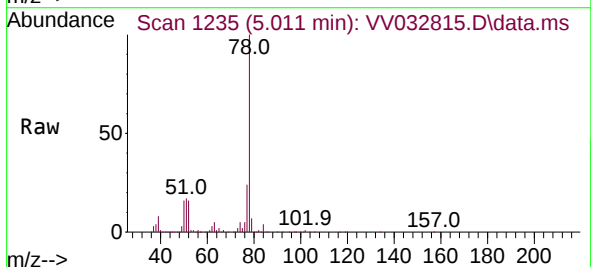
Instrument :
MSVOA_V
ClientSampleId :

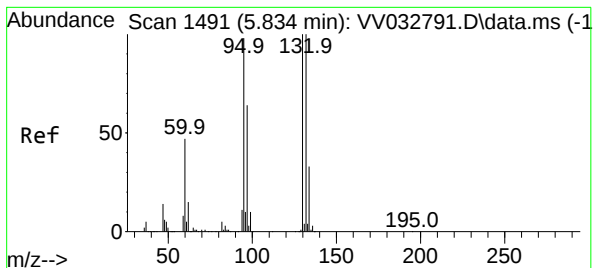
Tgt Ion:117 Resp: 192608
Ion Ratio Lower Upper
117 100
119 95.6 76.6 115.0



#33
Benzene
Concen: 47.779 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VV032815.D
Acq: 31 Oct 2023 21:41

Tgt Ion: 78 Resp: 515993





#34

Trichloroethene

Concen: 45.861 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. -0.000 min

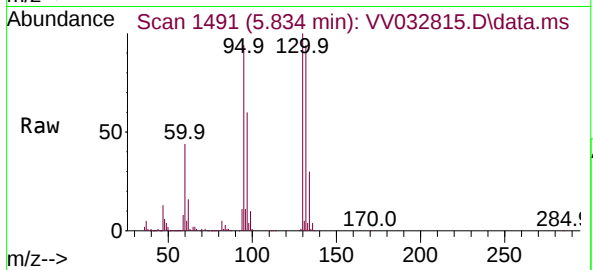
Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 137873

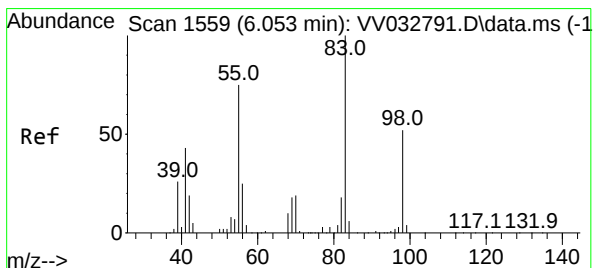
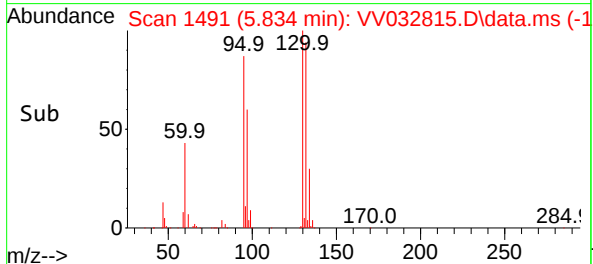
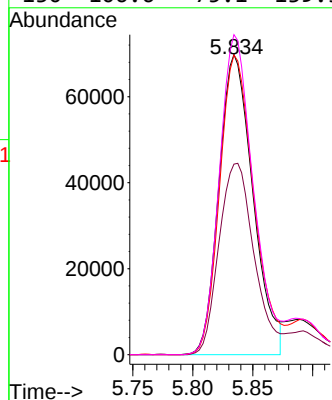
Ion Ratio Lower Upper

95 100

97 63.5 46.3 85.9

132 99.8 69.0 128.2

130 106.6 75.1 139.5



#35

Methylcyclohexane

Concen: 46.432 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. -0.000 min

Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

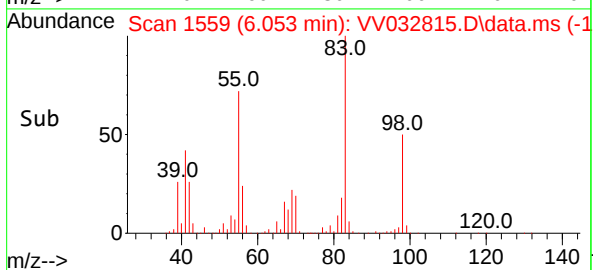
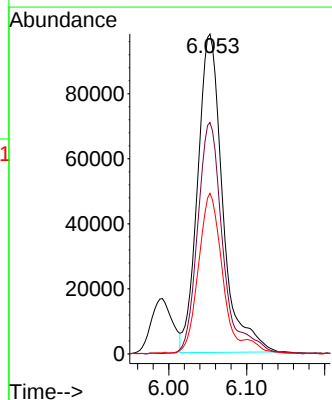
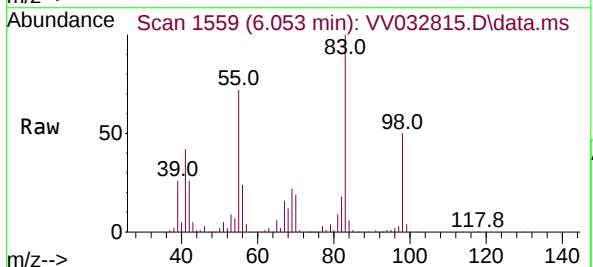
Tgt Ion: 83 Resp: 218418

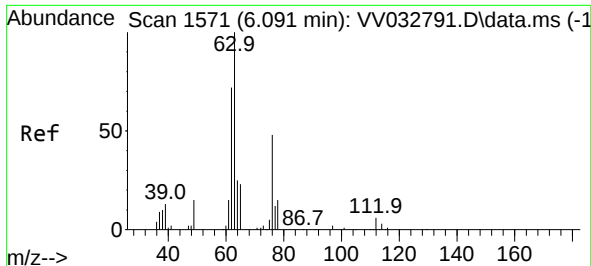
Ion Ratio Lower Upper

83 100

55 73.6 57.8 86.8

98 46.3 39.4 59.2





#37

1,2-Dichloropropane

Concen: 43.116 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

Instrument :

MSVOA_V

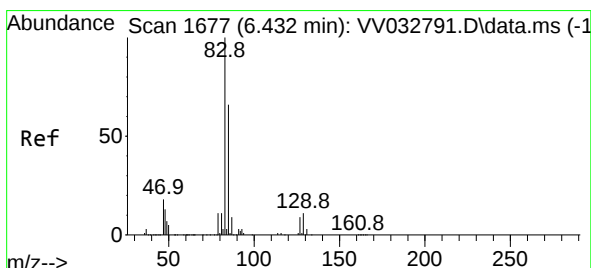
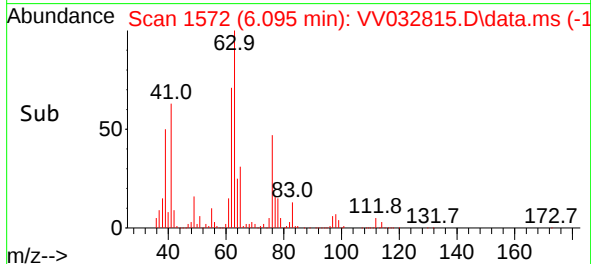
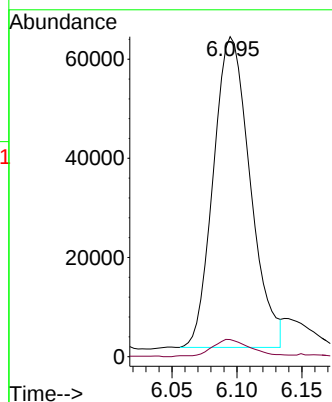
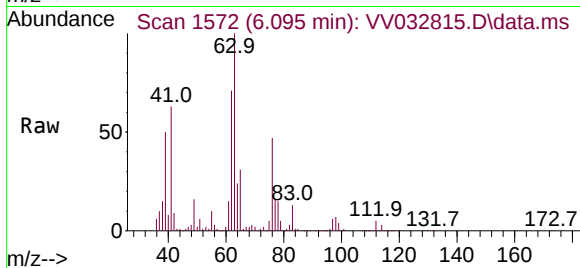
ClientSampleId :

Tgt Ion: 63 Resp: 123601

Ion Ratio Lower Upper

63 100

112 5.9 4.1 6.1



#38

Bromodichloromethane

Concen: 45.800 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

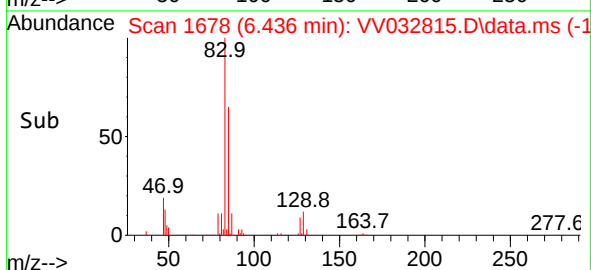
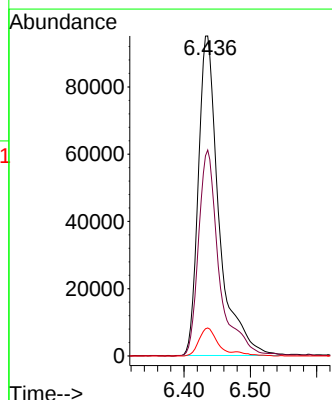
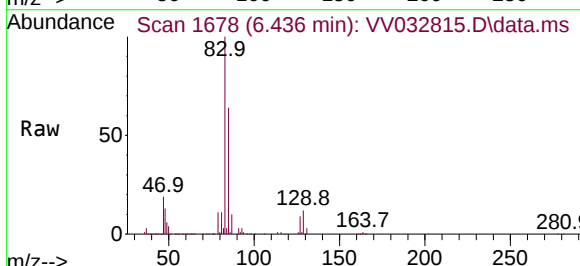
Tgt Ion: 83 Resp: 205981

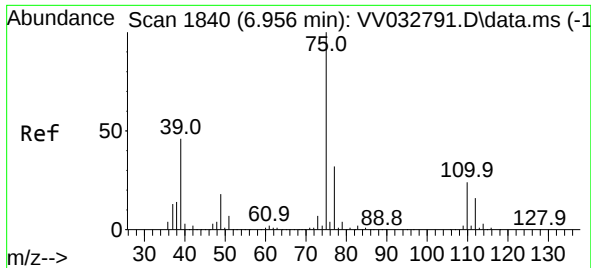
Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.9

127 8.7 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 50.072 ug/L

RT: 6.956 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

Instrument :

MSVOA_V

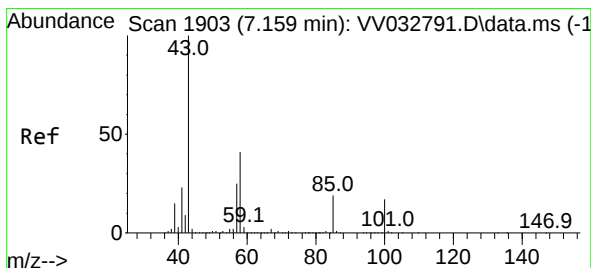
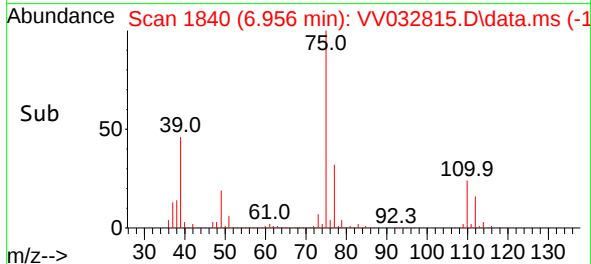
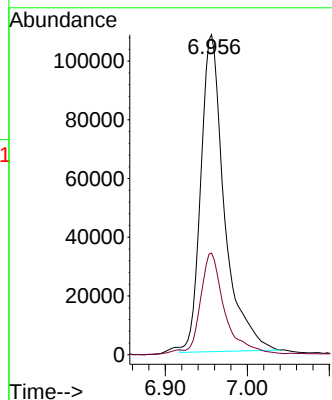
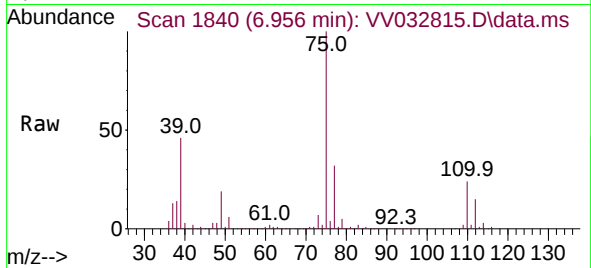
ClientSampleId :

Tgt Ion: 75 Resp: 215346

Ion Ratio Lower Upper

75 100

77 31.7 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 104.037 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

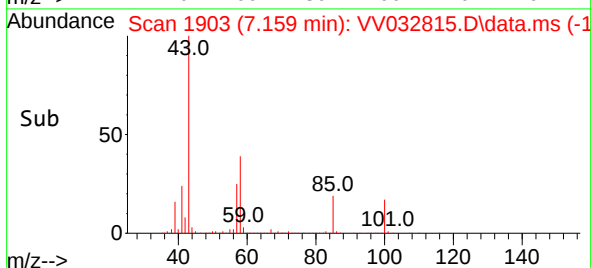
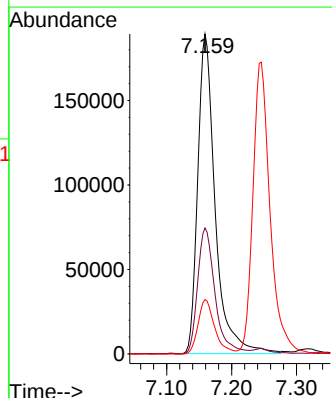
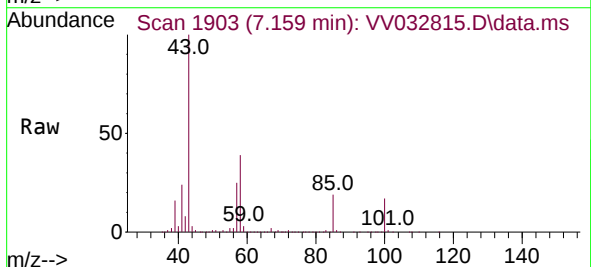
Tgt Ion: 43 Resp: 353454

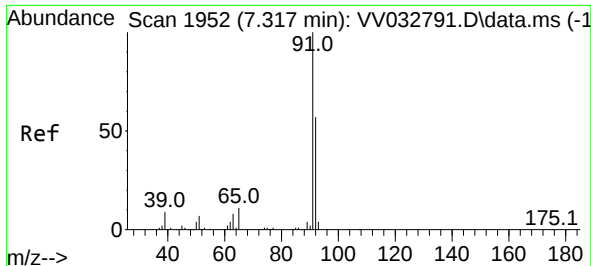
Ion Ratio Lower Upper

43 100

58 39.5 31.4 47.0

100 16.3 13.3 19.9





#42

Toluene

Concen: 50.150 ug/L

RT: 7.316 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

Instrument :

MSVOA_V

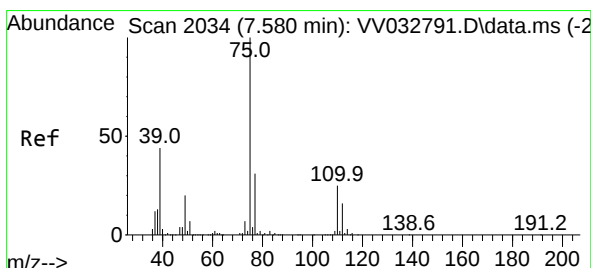
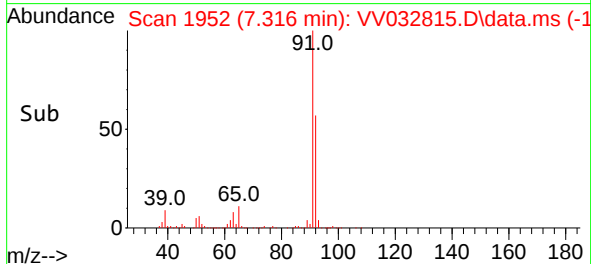
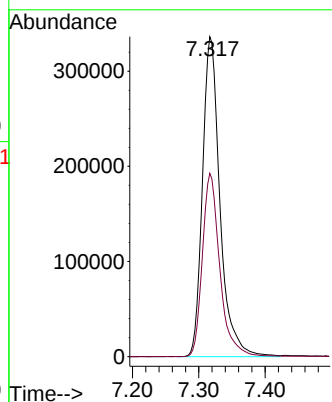
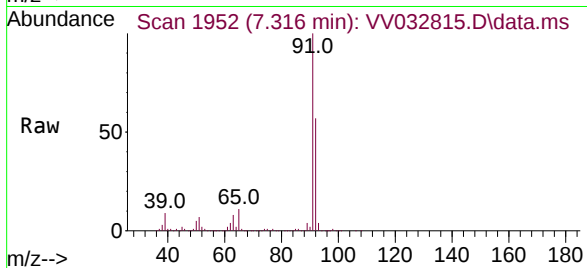
ClientSampleId :

Tgt Ion: 91 Resp: 616784

Ion Ratio Lower Upper

91 100

92 57.3 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 50.175 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. 0.003 min

Lab File: VV032815.D

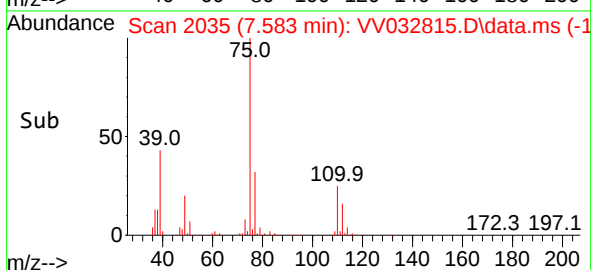
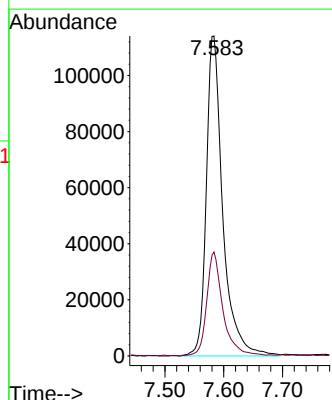
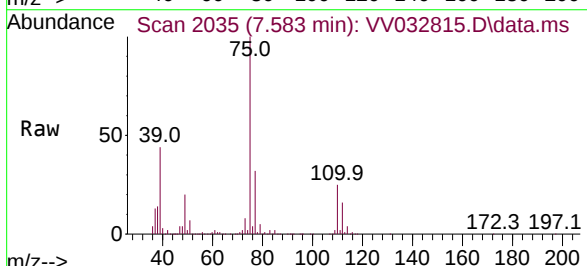
Acq: 31 Oct 2023 21:41

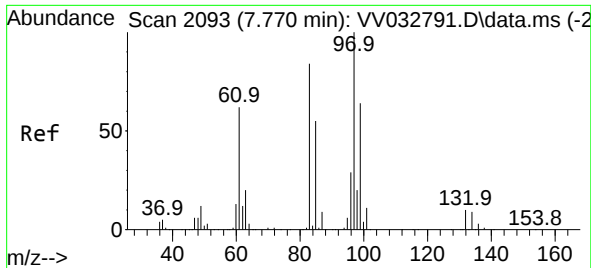
Tgt Ion: 75 Resp: 221645

Ion Ratio Lower Upper

75 100

77 32.5 22.0 40.8



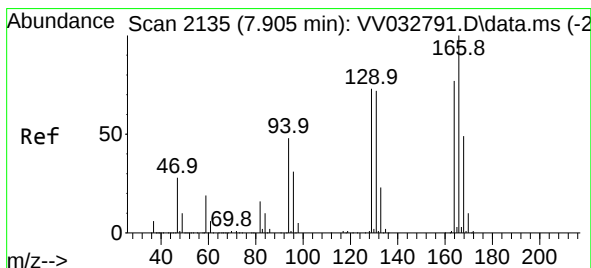
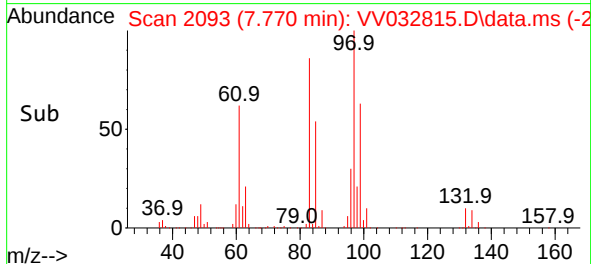
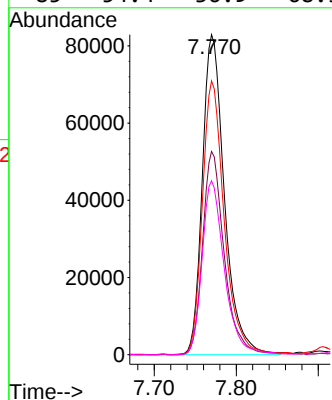
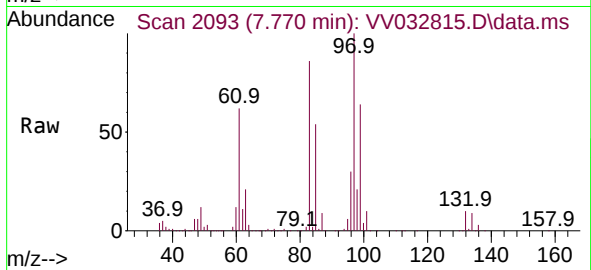


#45
1,1,2-Trichloroethane
Concen: 47.200 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. -0.000 min
Lab File: VV032815.D
Acq: 31 Oct 2023 21:41

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 155202

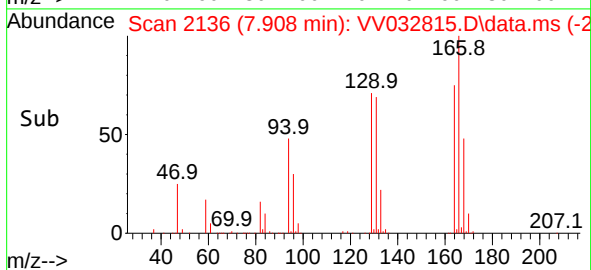
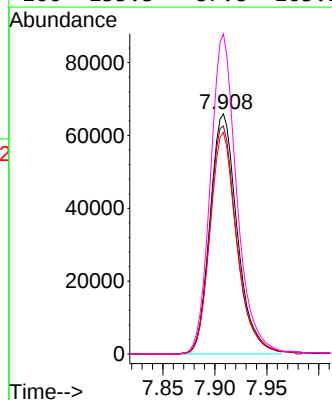
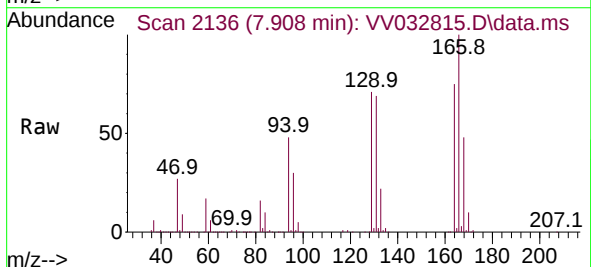
Ion	Ratio	Lower	Upper
97	100		
99	63.5	42.8	79.6
83	85.5	58.4	108.4
85	54.4	36.9	68.5

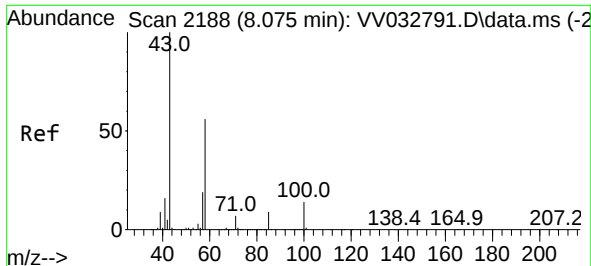


#46
Tetrachloroethene
Concen: 44.342 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.003 min
Lab File: VV032815.D
Acq: 31 Oct 2023 21:41

Tgt Ion:164 Resp: 120279

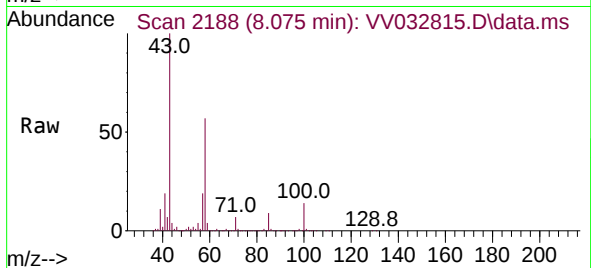
Ion	Ratio	Lower	Upper
164	100		
129	95.0	65.3	121.3
131	92.3	65.0	120.8
166	133.3	87.8	163.2



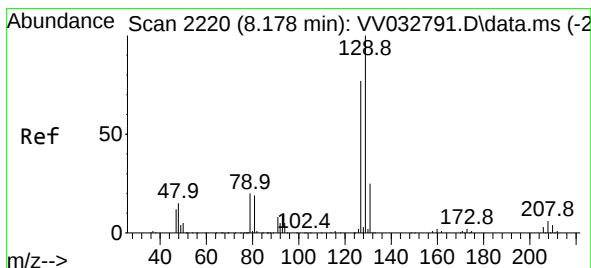
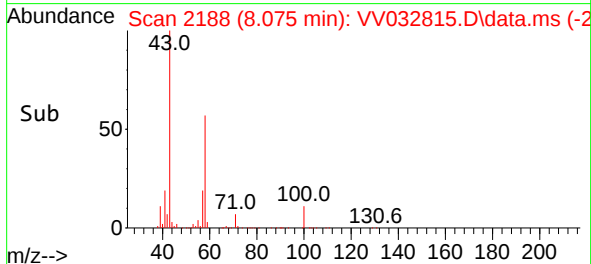
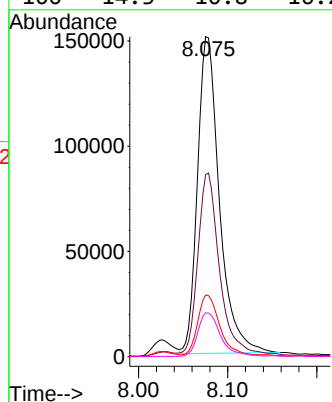


#48
2-Hexanone
Concen: 84.777 ug/L
RT: 8.075 min Scan# 2188
Delta R.T. -0.000 min
Lab File: VV032815.D
Acq: 31 Oct 2023 21:41

Instrument :
MSVOA_V
ClientSampleId :

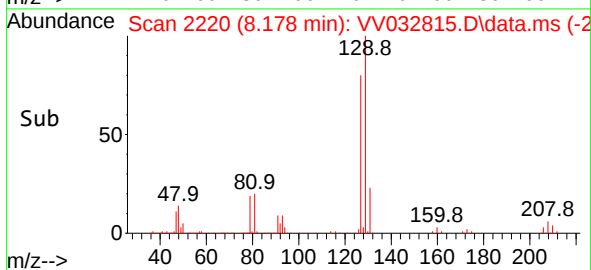
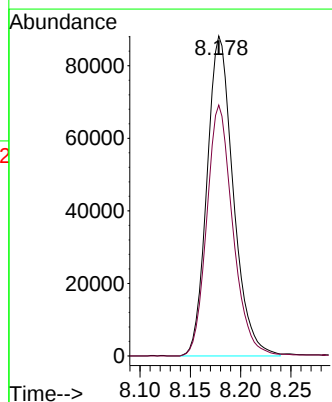
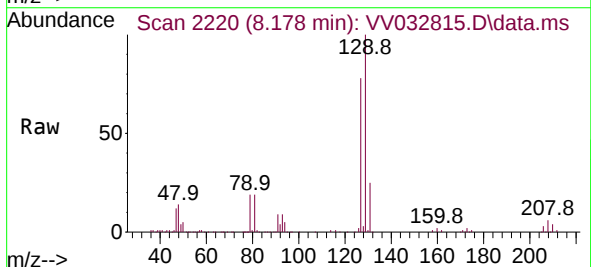


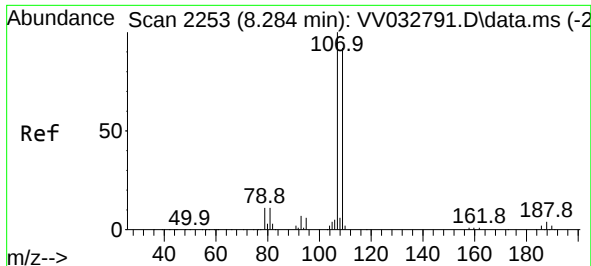
Tgt Ion: 43 Resp: 258420
Ion Ratio Lower Upper
43 100
58 56.9 43.3 64.9
57 18.7 15.5 23.3
100 14.3 10.8 16.2



#49
Dibromochloromethane
Concen: 46.783 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. -0.000 min
Lab File: VV032815.D
Acq: 31 Oct 2023 21:41

Tgt Ion: 129 Resp: 160826
Ion Ratio Lower Upper
129 100
127 78.4 54.7 101.5





#50

1,2-Dibromoethane

Concen: 48.548 ug/L

RT: 8.284 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

Instrument :

MSVOA_V

ClientSampleId :

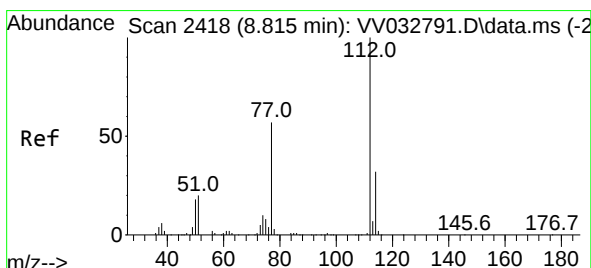
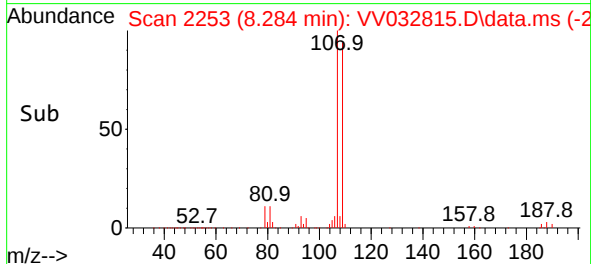
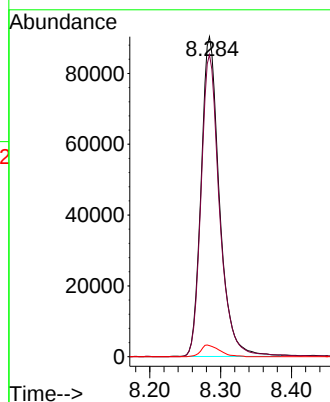
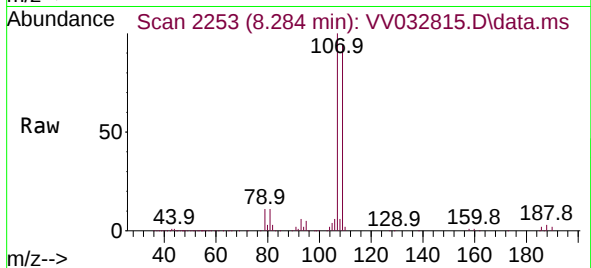
Tgt Ion:107 Resp: 162632

Ion Ratio Lower Upper

107 100

109 94.4 66.4 123.2

188 3.5 3.0 4.6



#51

Chlorobenzene

Concen: 47.065 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. -0.000 min

Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

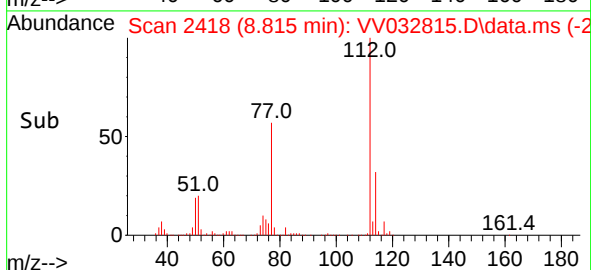
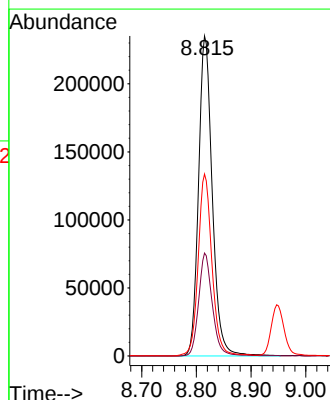
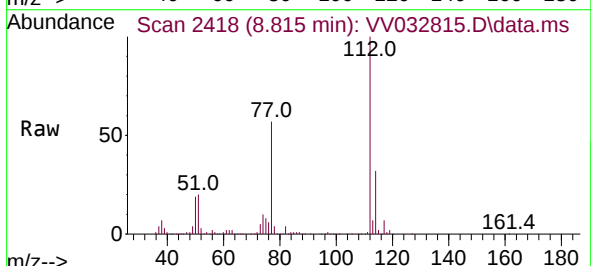
Tgt Ion:112 Resp: 409794

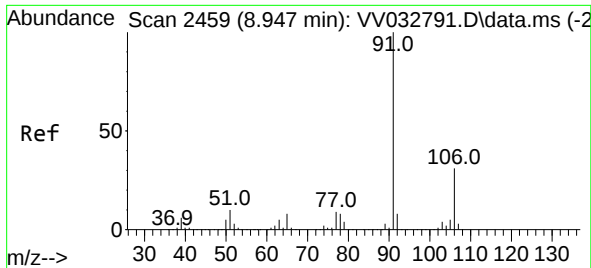
Ion Ratio Lower Upper

112 100

114 32.2 21.6 40.2

77 56.8 44.4 66.6

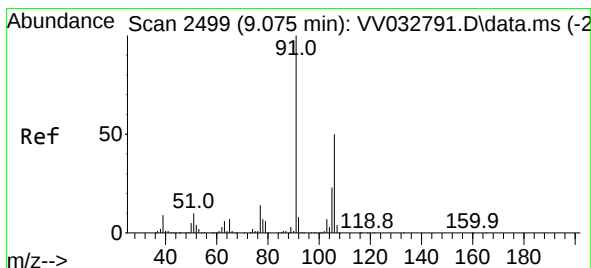
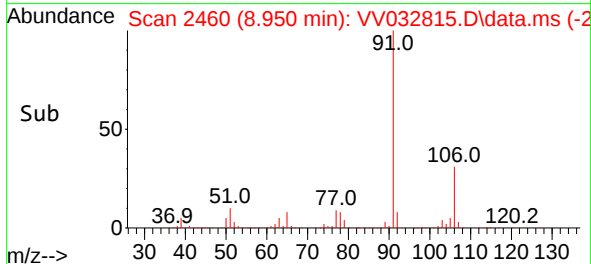
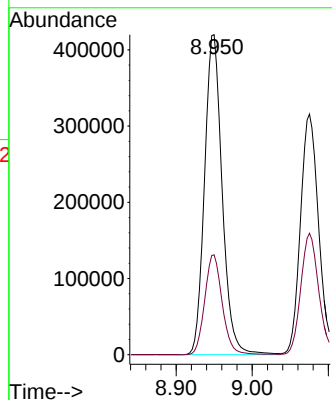
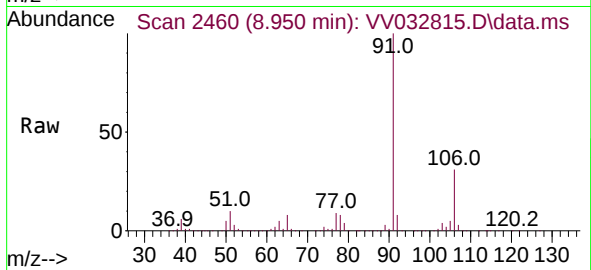




#52
Ethylbenzene
Concen: 49.865 ug/L
RT: 8.950 min Scan# 2459
Delta R.T. 0.003 min
Lab File: VV032815.D
Acq: 31 Oct 2023 21:41

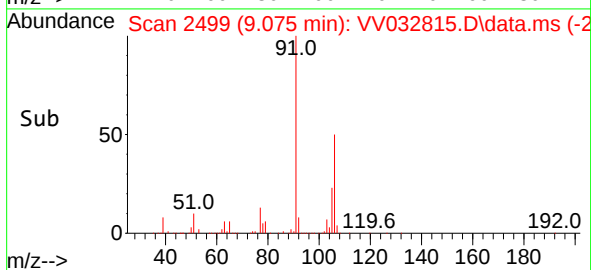
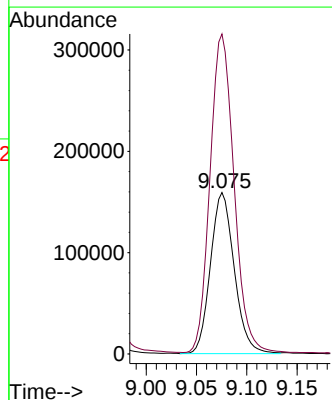
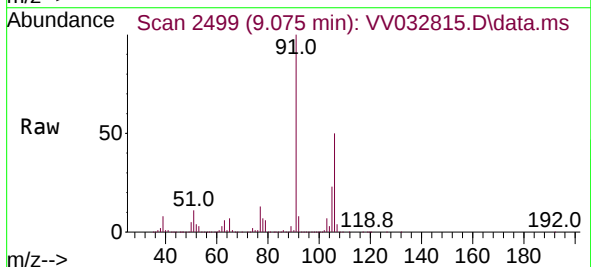
Instrument :
MSVOA_V
ClientSampleId :

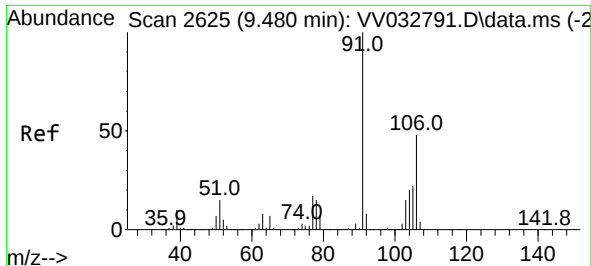
Tgt Ion: 91 Resp: 676501
Ion Ratio Lower Upper
91 100
106 31.2 21.7 40.3



#53
m,p-Xylene
Concen: 50.561 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. -0.000 min
Lab File: VV032815.D
Acq: 31 Oct 2023 21:41

Tgt Ion: 106 Resp: 261066
Ion Ratio Lower Upper
106 100
91 198.3 139.7 259.5

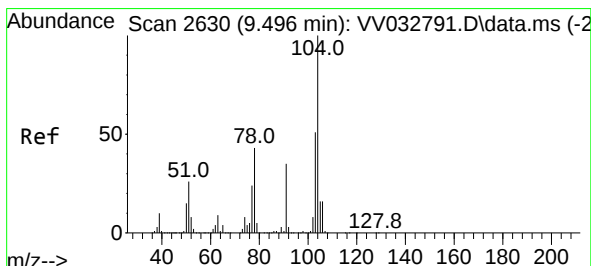
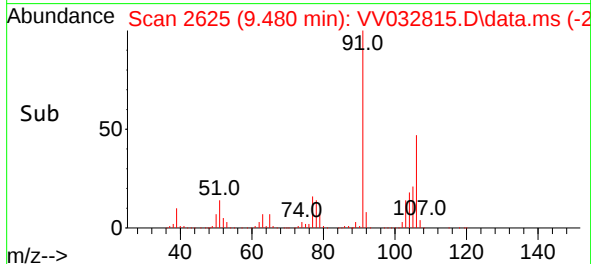
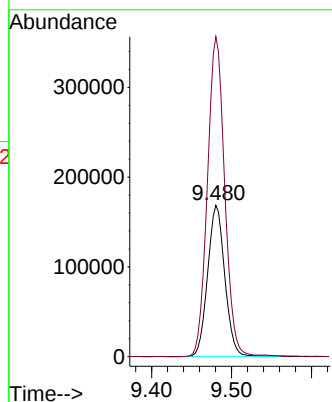
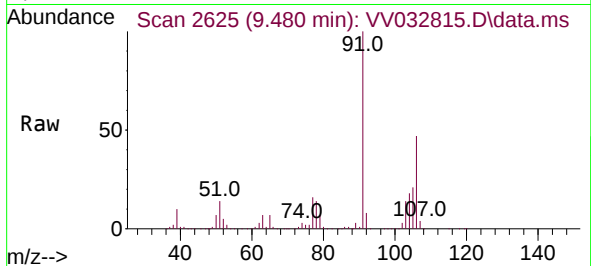




#54
o-Xylene
Concen: 50.444 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. -0.000 min
Lab File: VV032815.D
Acq: 31 Oct 2023 21:41

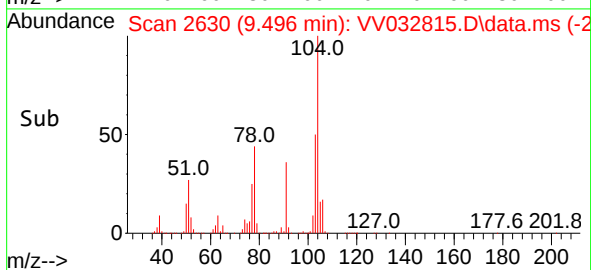
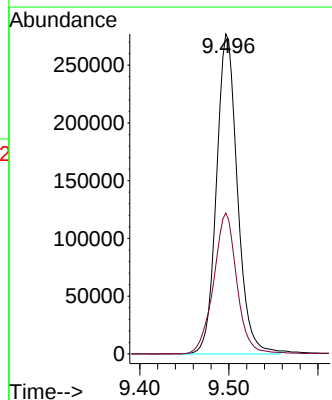
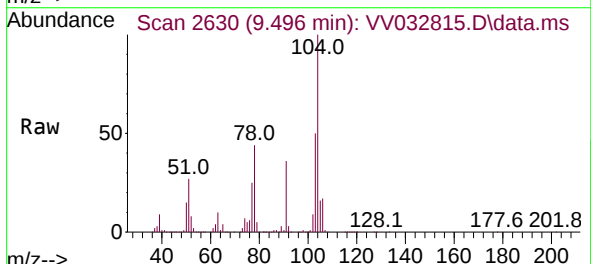
Instrument :
MSVOA_V
ClientSampleId :

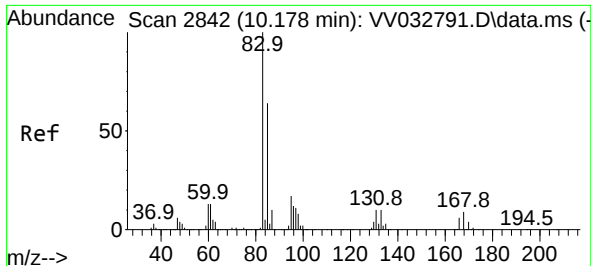
Tgt Ion:106 Resp: 252327
Ion Ratio Lower Upper
106 100
91 211.3 151.0 280.4



#55
Styrene
Concen: 51.979 ug/L
RT: 9.496 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV032815.D
Acq: 31 Oct 2023 21:41

Tgt Ion:104 Resp: 453118
Ion Ratio Lower Upper
104 100
78 44.0 30.1 55.9





#57

1,1,2,2-Tetrachloroethane

Concen: 45.109 ug/L

RT: 10.178 min Scan# 2842

Delta R.T. -0.000 min

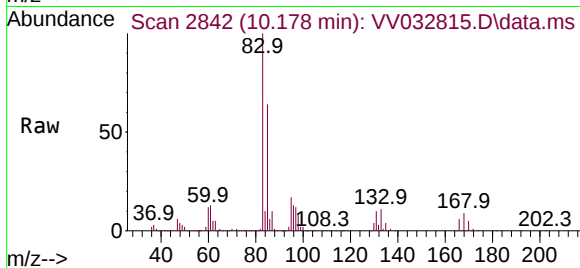
Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

Instrument :

MSVOA_V

ClientSampleId :



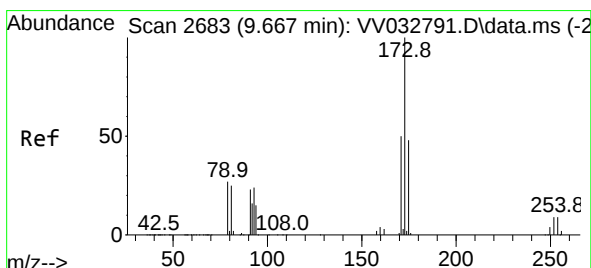
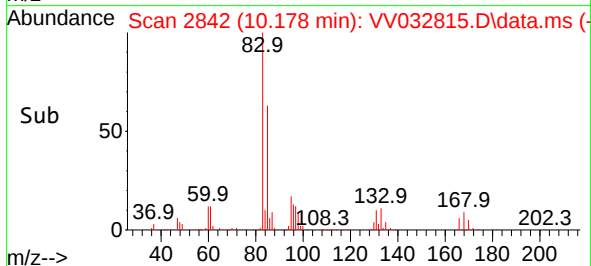
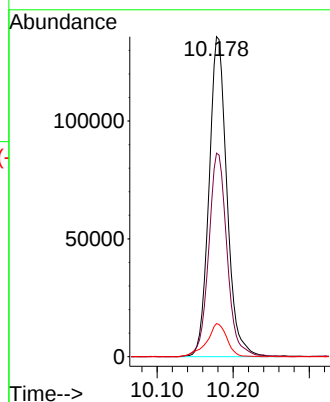
Tgt Ion: 83 Resp: 222149

Ion Ratio Lower Upper

83 100

85 63.6 44.9 83.3

131 10.3 7.8 11.6



#59

Bromoform

Concen: 46.666 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. -0.000 min

Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

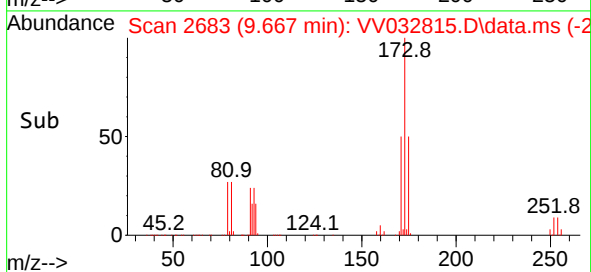
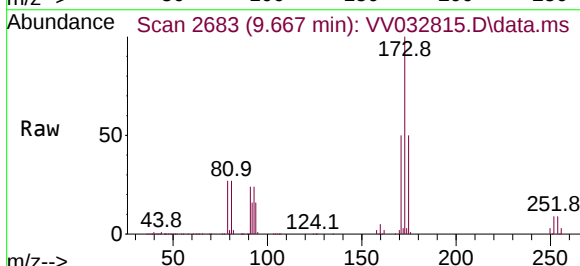
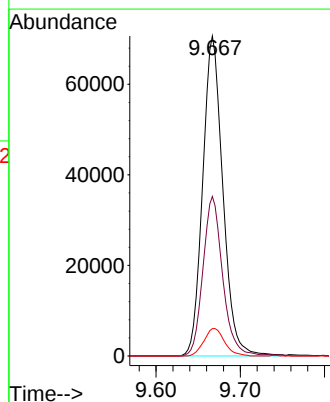
Tgt Ion: 173 Resp: 117938

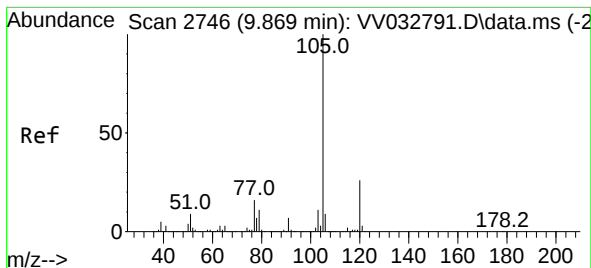
Ion Ratio Lower Upper

173 100

175 48.5 38.4 57.6

254 8.8 7.0 10.6





#60

Isopropylbenzene

Concen: 50.878 ug/L

RT: 9.869 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

Instrument :

MSVOA_V

ClientSampleId :

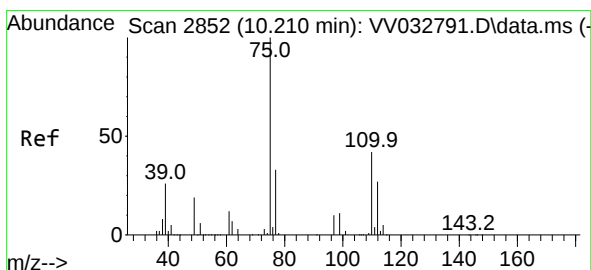
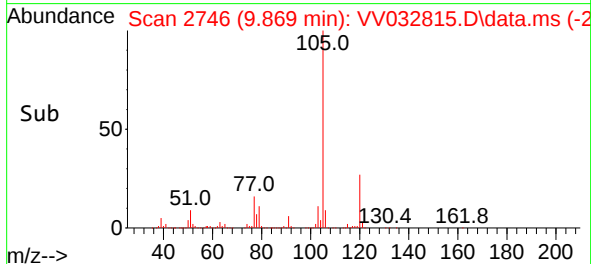
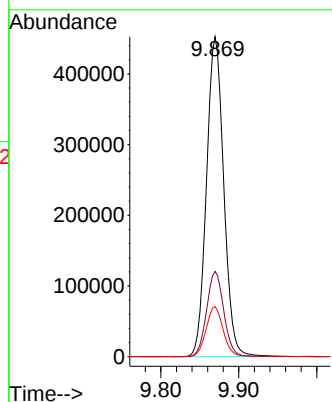
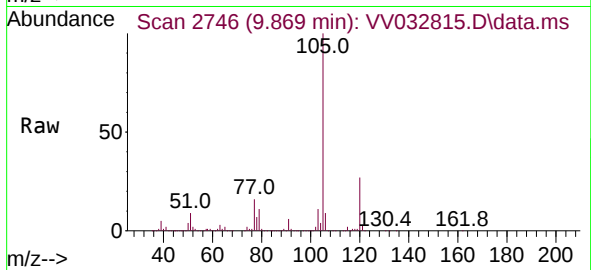
Tgt Ion:105 Resp: 695507

Ion Ratio Lower Upper

105 100

120 26.6 21.1 31.7

77 15.5 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 46.115 ug/L

RT: 10.210 min Scan# 2852

Delta R.T. -0.000 min

Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

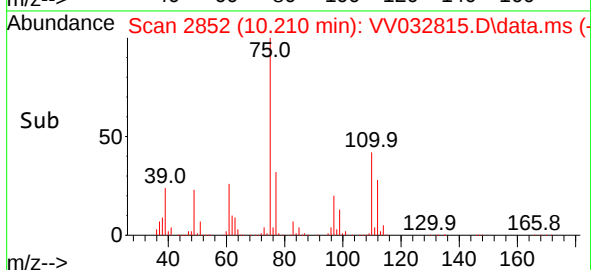
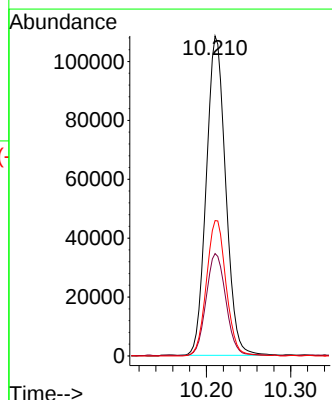
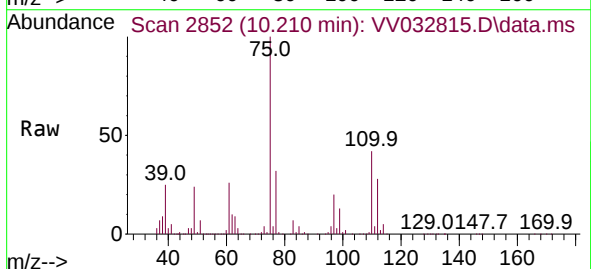
Tgt Ion: 75 Resp: 173627

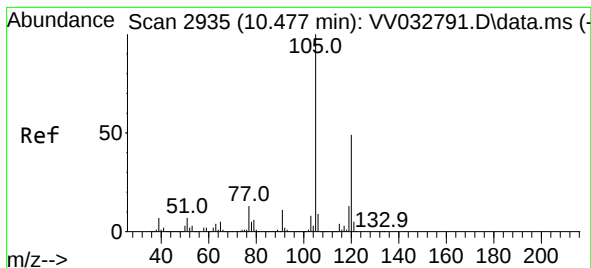
Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.0

110 43.0 34.3 51.5

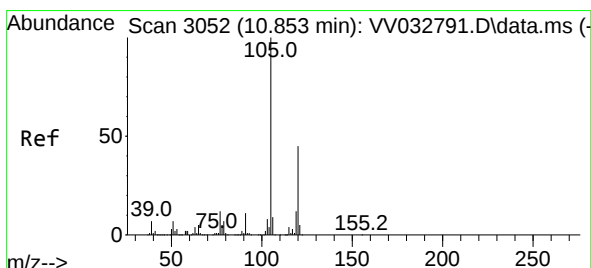
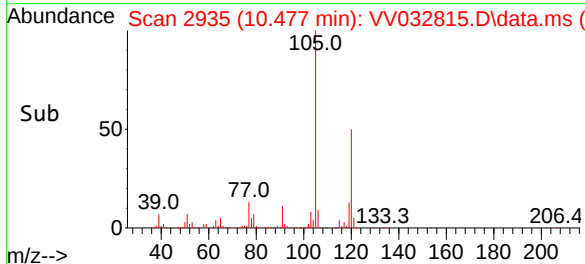
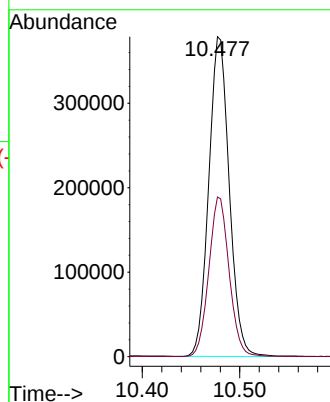
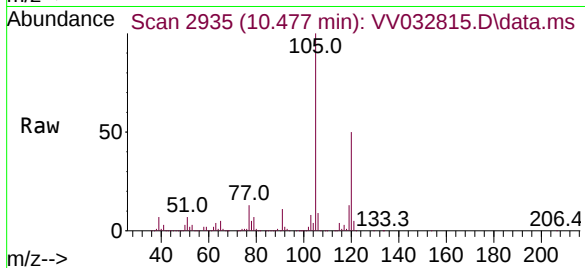




#62
1,3,5-Trimethylbenzene
Concen: 51.388 ug/L
RT: 10.477 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VV032815.D
Acq: 31 Oct 2023 21:41

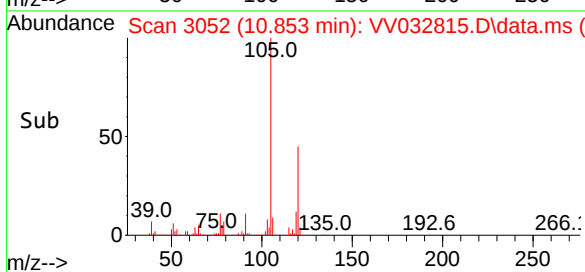
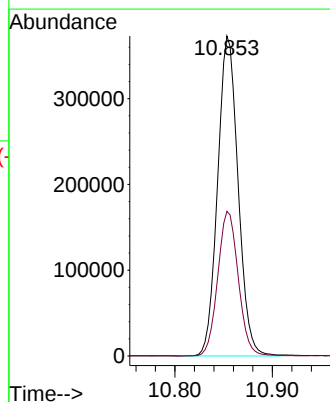
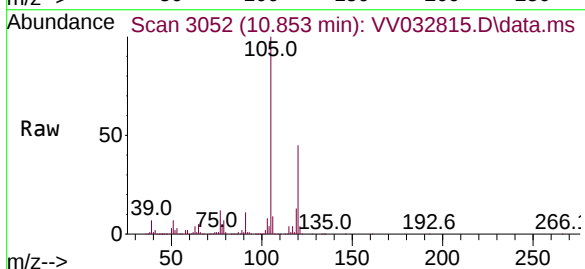
Instrument :
MSVOA_V
ClientSampleId :

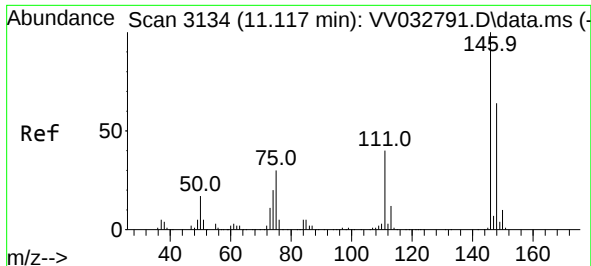
Tgt Ion:105 Resp: 552782
Ion Ratio Lower Upper
105 100
120 49.5 39.9 59.9



#63
1,2,4-Trimethylbenzene
Concen: 52.892 ug/L
RT: 10.853 min Scan# 3052
Delta R.T. -0.000 min
Lab File: VV032815.D
Acq: 31 Oct 2023 21:41

Tgt Ion:105 Resp: 544266
Ion Ratio Lower Upper
105 100
120 45.4 37.0 55.6





#64

1,3-Dichlorobenzene

Concen: 48.124 ug/L

RT: 11.120 min Scan# 3134

Delta R.T. 0.003 min

Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

Instrument :

MSVOA_V

ClientSampleId :

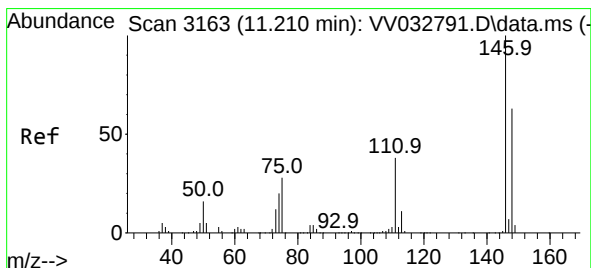
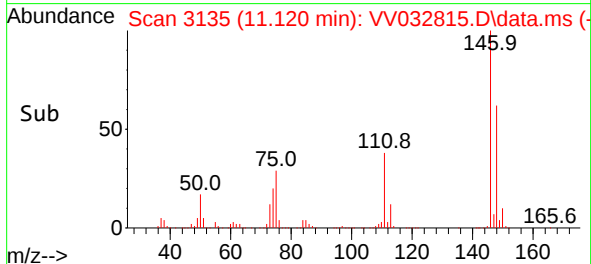
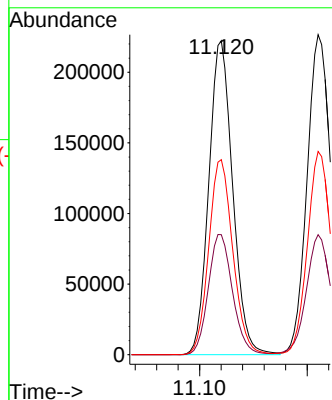
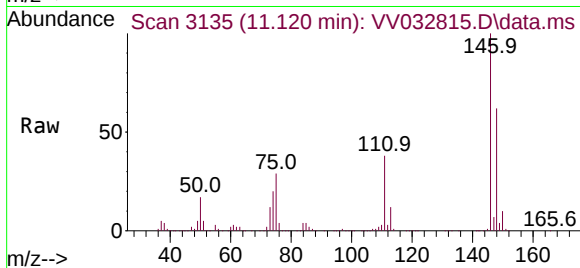
Tgt Ion:146 Resp: 342719

Ion Ratio Lower Upper

146 100

111 38.2 27.2 50.4

148 62.2 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 47.359 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

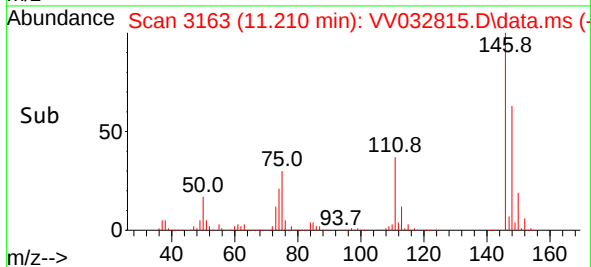
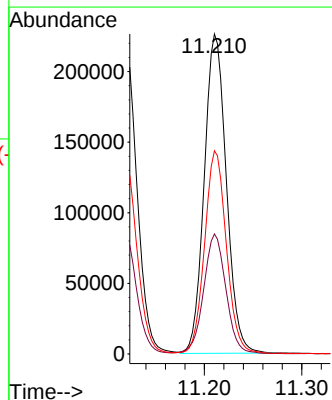
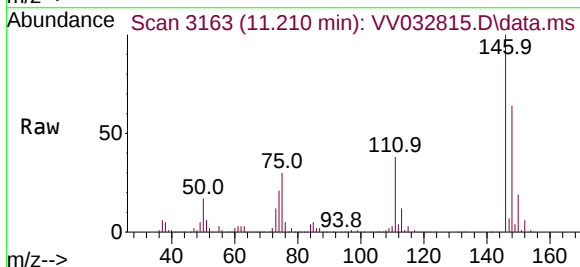
Tgt Ion:146 Resp: 355862

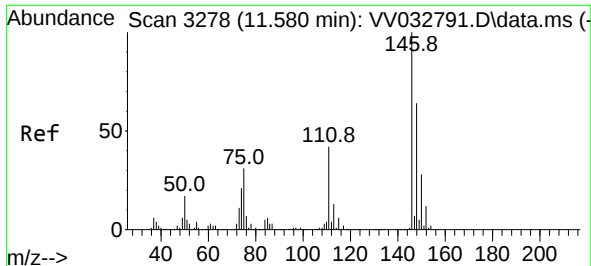
Ion Ratio Lower Upper

146 100

111 37.5 26.5 49.1

148 63.5 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 47.329 ug/L

RT: 11.580 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

Instrument :

MSVOA_V

ClientSampleId :

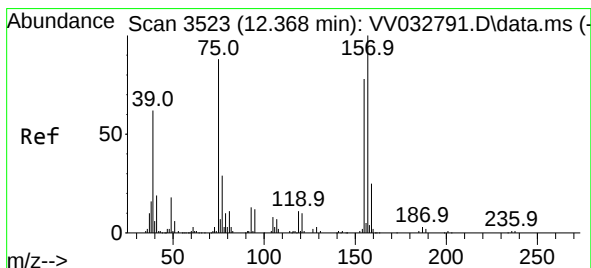
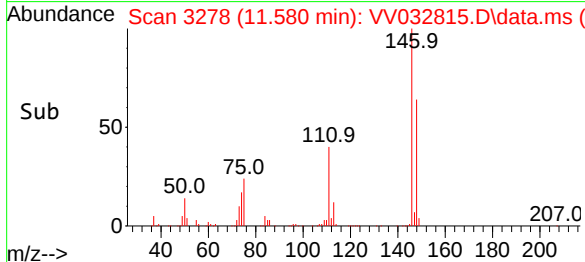
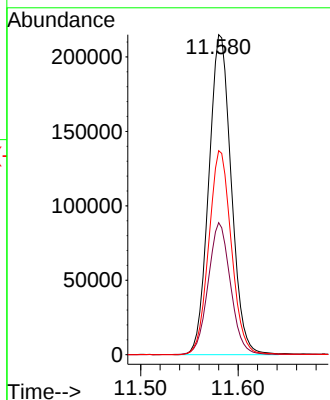
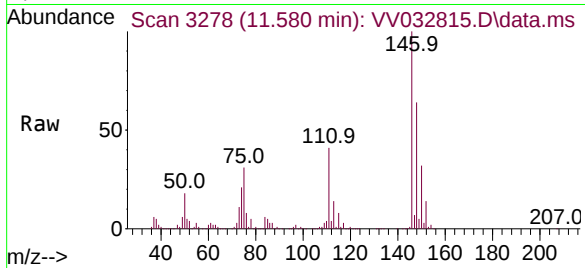
Tgt Ion:146 Resp: 344092

Ion Ratio Lower Upper

146 100

111 41.2 32.5 48.7

148 63.7 50.6 76.0



#68

1,2-Dibromo-3-chloropropane

Concen: 45.846 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.000 min

Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

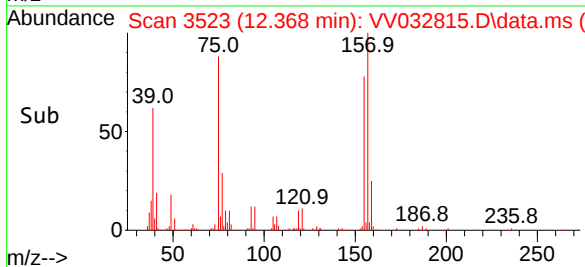
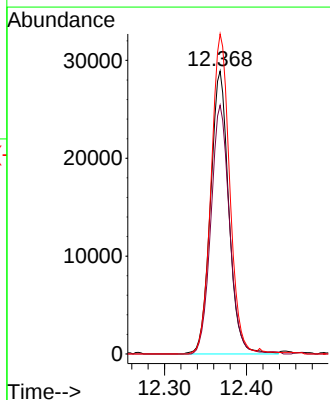
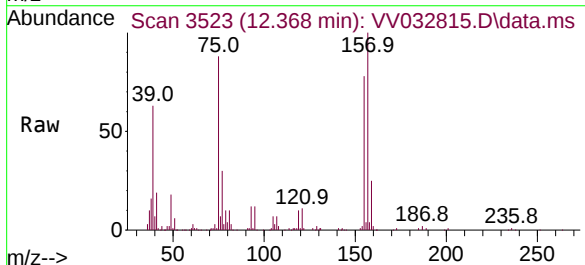
Tgt Ion: 75 Resp: 44924

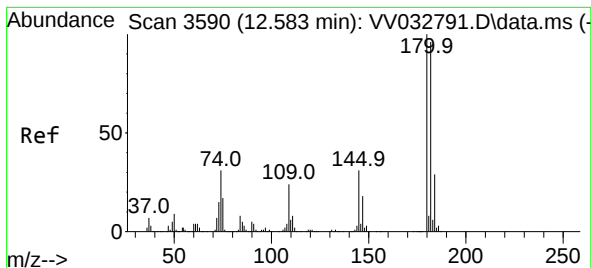
Ion Ratio Lower Upper

75 100

155 88.0 68.6 102.8

157 113.1 87.3 130.9





#69

1,3,5-Trichlorobenzene

Concen: 47.559 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. -0.000 min

Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 244509

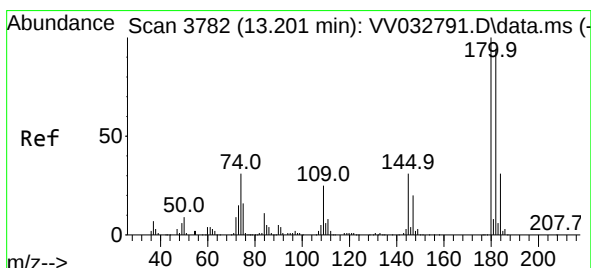
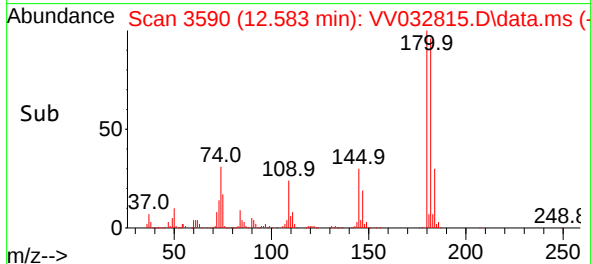
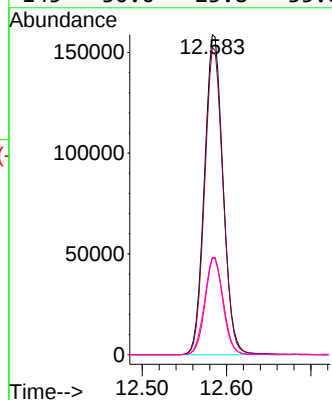
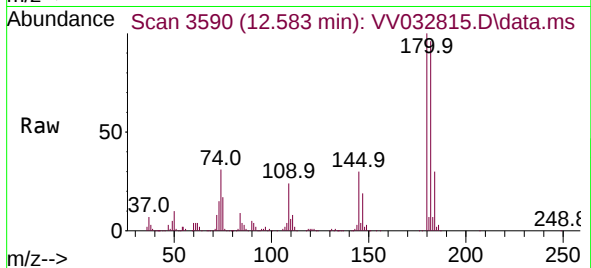
Ion Ratio Lower Upper

180 100

182 95.2 75.9 113.9

184 29.7 23.5 35.3

145 30.0 23.8 35.8



#70

1,2,4-trichlorobenzene

Concen: 50.259 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. -0.000 min

Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

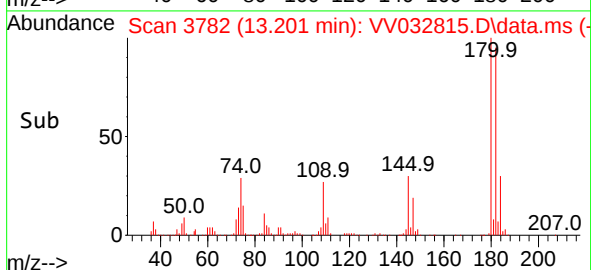
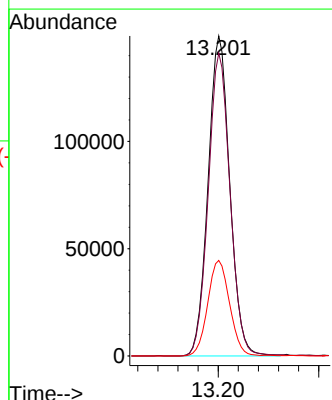
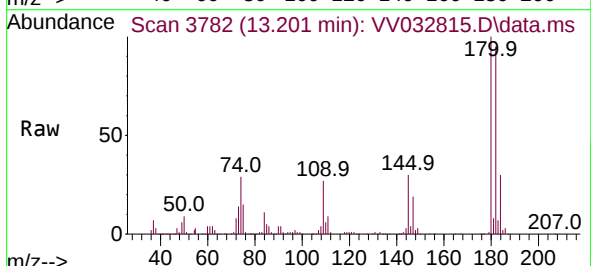
Tgt Ion:180 Resp: 223461

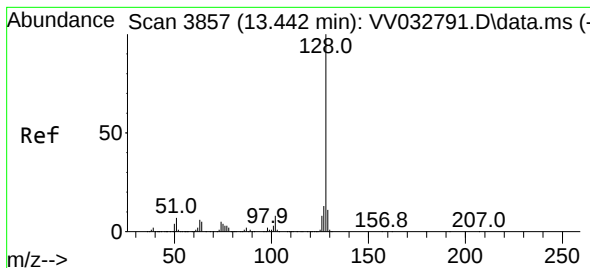
Ion Ratio Lower Upper

180 100

182 95.0 76.9 115.3

145 30.1 24.7 37.1





#71

Naphthalene

Concen: 58.918 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. -0.000 min

Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

Instrument :

MSVOA_V

ClientSampleId :

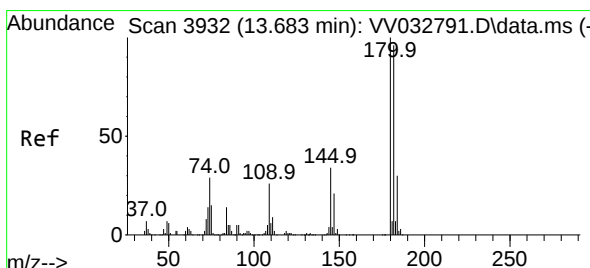
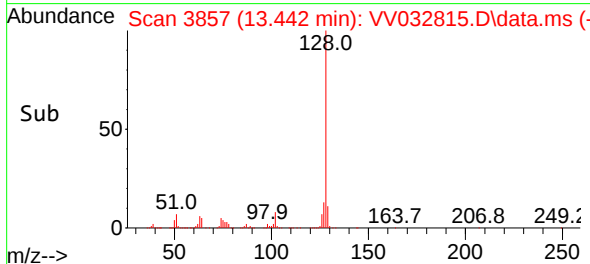
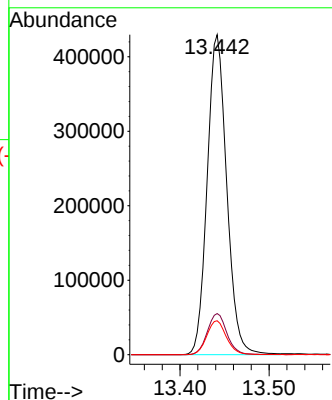
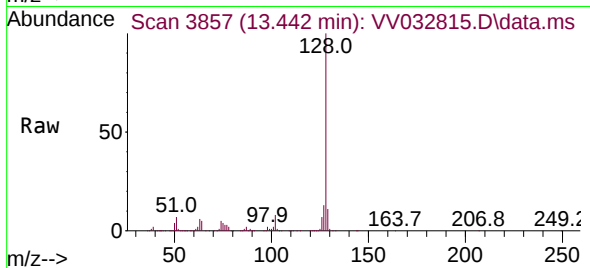
Tgt Ion:128 Resp: 654161

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

129 10.7 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 52.989 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. -0.000 min

Lab File: VV032815.D

Acq: 31 Oct 2023 21:41

Tgt Ion:180 Resp: 235230

Ion Ratio Lower Upper

180 100

182 93.0 76.2 114.4

145 32.9 25.8 38.8

