

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW110623\
 Data File : VW032858.D
 Acq On : 06 Nov 2023 17:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 07 01:38:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 07 01:35:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	357048	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	399782	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	225174	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	115706	34.071	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.140%
7) Chloroethane-d5	1.532	69	106713	37.572	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.140%
11) 1,1-Dichloroethene-d2	2.060	65	49704	35.435	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.860%
21) 2-Butanone-d5	3.786	46	148292	100.672	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.670%
24) Chloroform-d	4.252	84	239456	44.175	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.360%
26) 1,2-Dichloroethane-d4	4.944	65	149599	44.405	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.820%
32) Benzene-d6	4.963	84	434903	42.310	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.620%
36) 1,2-Dichloropropane-d6	5.992	67	132500	42.430	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.860%
41) Toluene-d8	7.246	98	442133	43.683	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.360%
43) trans-1,3-Dichloroprop...	7.555	79	74692	45.925	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.840%
47) 2-Hexanone-d5	8.027	63	115422	101.242	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.240%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	226266	47.747	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.500%
66) 1,2-Dichlorobenzene-d4	11.564	152	195420	45.035	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	132924	42.310	ug/L	99
3) Chloromethane	1.217	50	125888	41.419	ug/L	100
5) Vinyl chloride	1.285	62	139227	42.959	ug/L	99
6) Bromomethane	1.487	94	97870	43.279	ug/L	97
8) Chloroethane	1.548	64	97364	44.626	ug/L	99
9) Trichlorofluoromethane	1.716	101	227242	43.998	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	139726	44.712	ug/L	100
12) 1,1-Dichloroethene	2.073	96	117602	44.038	ug/L	82
13) Acetone	2.111	43	174652	70.836	ug/L	99
14) Carbon disulfide	2.243	76	273893	42.965	ug/L	100
15) Methyl Acetate	2.375	43	120119	48.049	ug/L	99
16) Methylene chloride	2.449	84	135839	38.349	ug/L	97
17) trans-1,2-Dichloroethene	2.696	96	115009	45.122	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	372986	49.551	ug/L	99
19) 1,1-Dichloroethane	3.114	63	220883	45.473	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	130856	46.486	ug/L	99
22) 2-Butanone	3.867	43	178446	85.342	ug/L	95
23) Bromochloromethane	4.150	128	74065	47.141	ug/L	98
25) Chloroform	4.278	83	259710	46.911	ug/L	98

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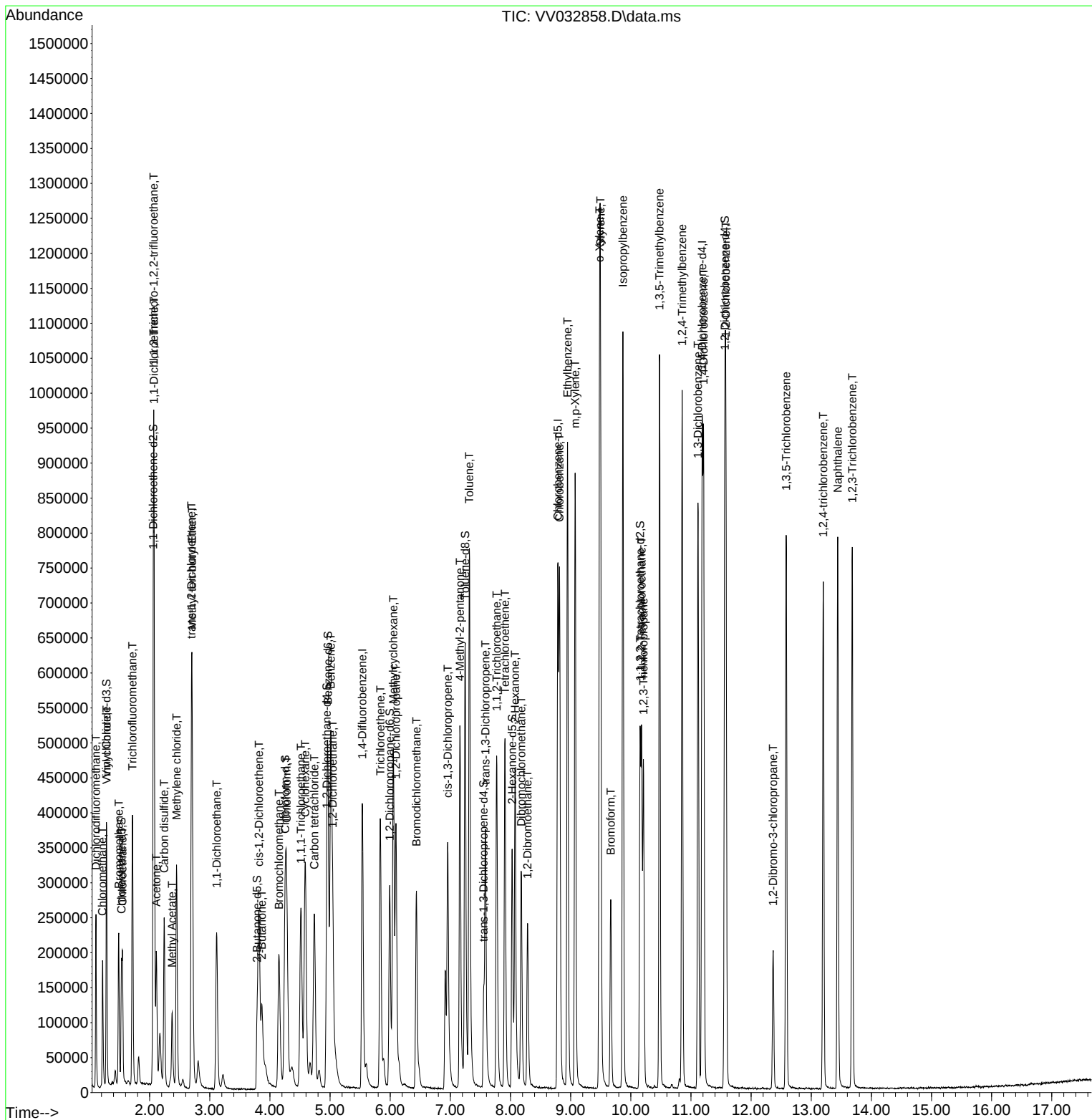
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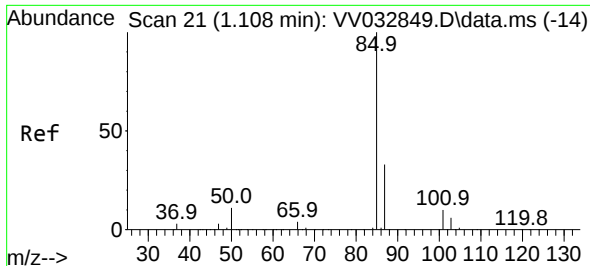
Quant Time: Nov 07 01:38:28 2023
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	189542	47.507	ug/L	99
29) Cyclohexane	4.587	56	155784	43.358	ug/L #	94
30) 1,1,1-Trichloroethane	4.516	97	215515	44.995	ug/L	99
31) Carbon tetrachloride	4.738	117	188051	44.430	ug/L	99
33) Benzene	5.011	78	492432	46.452	ug/L	100
34) Trichloroethene	5.838	95	131225	44.468	ug/L	96
35) Methylcyclohexane	6.053	83	207889	45.022	ug/L	98
37) 1,2-Dichloropropane	6.095	63	138342	49.163	ug/L	98
38) Bromodichloromethane	6.436	83	201171	45.570	ug/L	100
39) cis-1,3-Dichloropropene	6.957	75	214886	50.902	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	346441	103.885	ug/L	100
42) Toluene	7.317	91	591133	48.965	ug/L	100
44) trans-1,3-Dichloropropene	7.584	75	213666	49.276	ug/L	98
45) 1,1,2-Trichloroethane	7.770	97	151258	46.863	ug/L	95
46) Tetrachloroethene	7.908	164	115232	43.278	ug/L	98
48) 2-Hexanone	8.075	43	281940	94.228	ug/L	98
49) Dibromochloromethane	8.178	129	160521	47.570	ug/L	98
50) 1,2-Dibromoethane	8.284	107	159370	48.467	ug/L	99
51) Chlorobenzene	8.815	112	393656	46.059	ug/L	99
52) Ethylbenzene	8.950	91	639965	48.056	ug/L	99
53) m,p-Xylene	9.075	106	245731	48.484	ug/L	99
54) o-Xylene	9.481	106	238879	48.651	ug/L	100
55) Styrene	9.497	104	440315	51.458	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	227998	47.165	ug/L	99
59) Bromoform	9.667	173	119887	47.487	ug/L	100
60) Isopropylbenzene	9.870	105	659458	48.292	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	176008	46.796	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	527586	49.097	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	518506	50.442	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	331595	46.611	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	347680	46.319	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	335761	46.232	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.368	75	46212	47.210	ug/L	97
69) 1,3,5-Trichlorobenzene	12.583	180	236044	45.961	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	210085	47.301	ug/L	99
71) Naphthalene	13.442	128	598741	53.983	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	222145	50.095	ug/L	99

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

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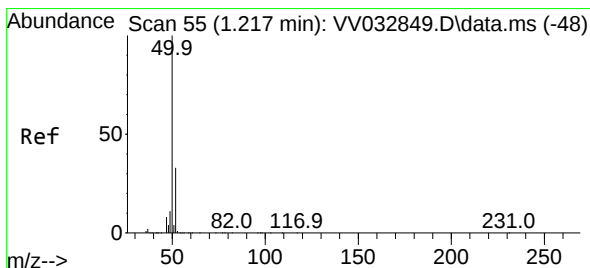
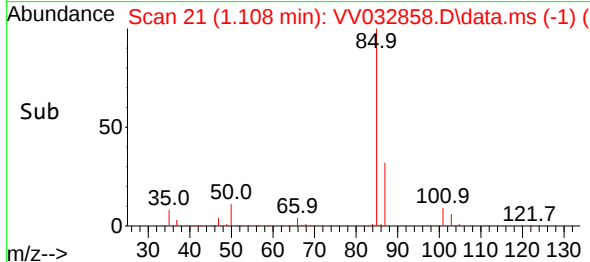
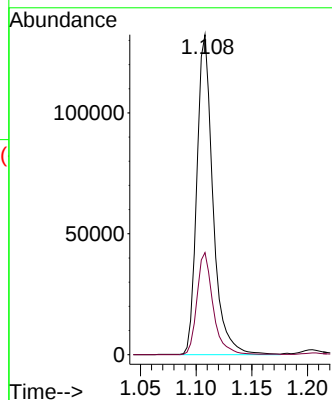
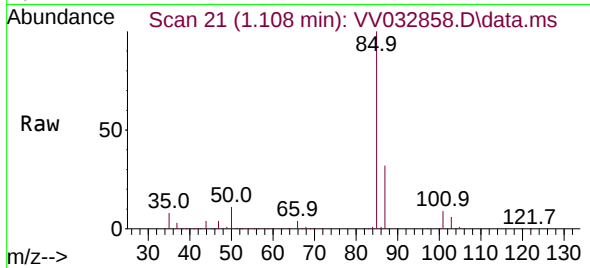




#2
 Dichlorodifluoromethane
 Concen: 42.310 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV032858.D
 Acq: 06 Nov 2023 17:08

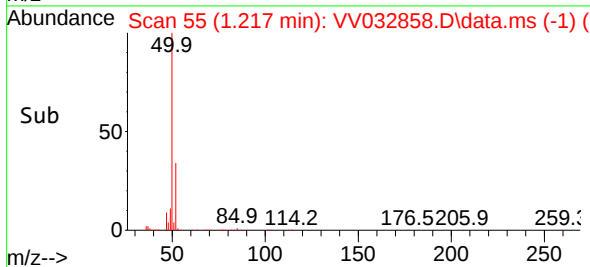
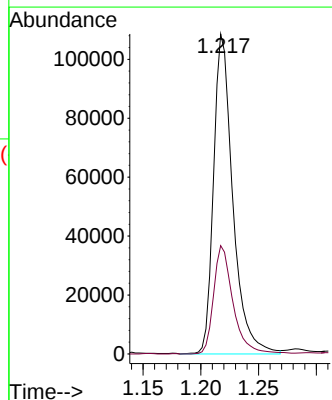
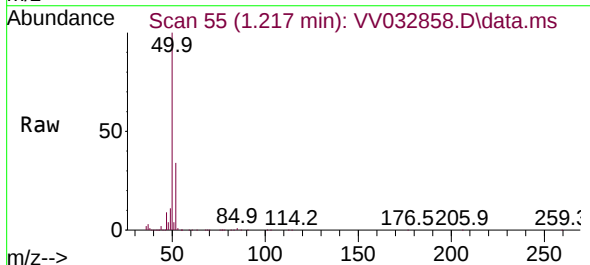
Instrument :
 MSVOA_V
 ClientSampleId :

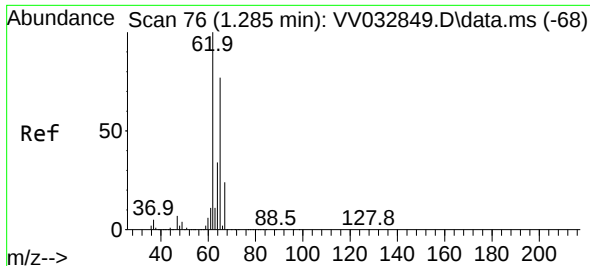
Tgt Ion: 85 Resp: 132924
 Ion Ratio Lower Upper
 85 100
 87 32.0 26.2 39.4



#3
 Chloromethane
 Concen: 41.419 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV032858.D
 Acq: 06 Nov 2023 17:08

Tgt Ion: 50 Resp: 125888
 Ion Ratio Lower Upper
 50 100
 52 33.8 23.5 43.7

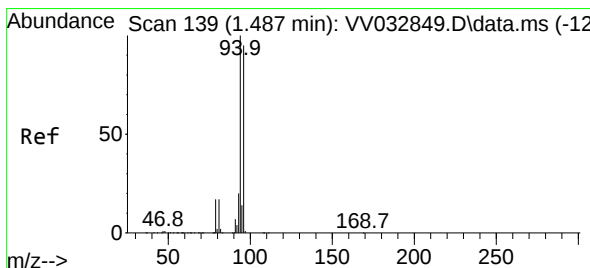
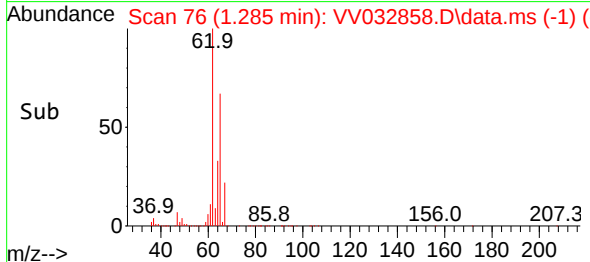
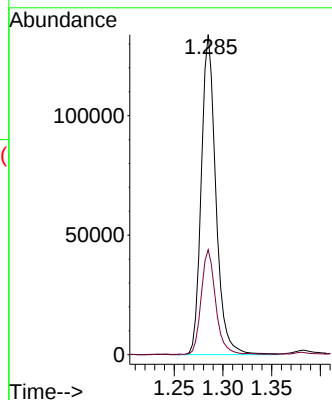
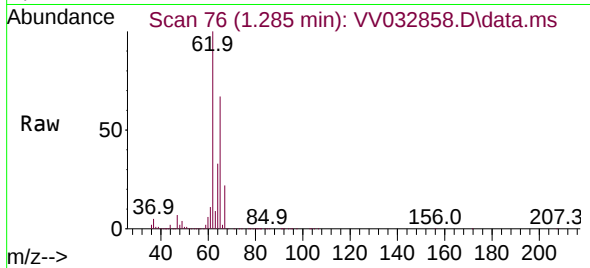




#5
 Vinyl chloride
 Concen: 42.959 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV032858.D
 Acq: 06 Nov 2023 17:08

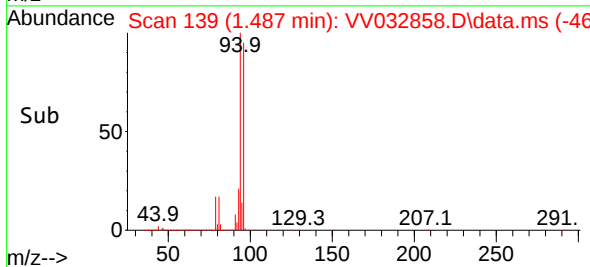
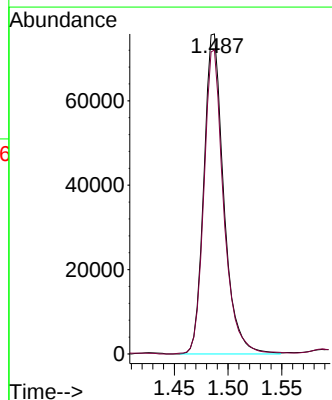
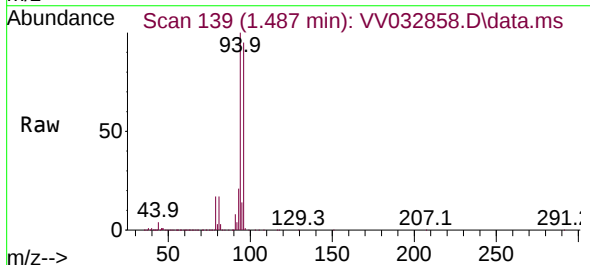
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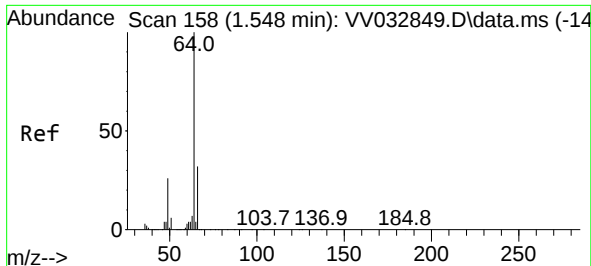
Tgt Ion: 62 Resp: 139227
 Ion Ratio Lower Upper
 62 100
 64 32.8 23.2 43.0



#6
 Bromomethane
 Concen: 43.279 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV032858.D
 Acq: 06 Nov 2023 17:08

Tgt Ion: 94 Resp: 97870
 Ion Ratio Lower Upper
 94 100
 96 94.9 64.2 119.2

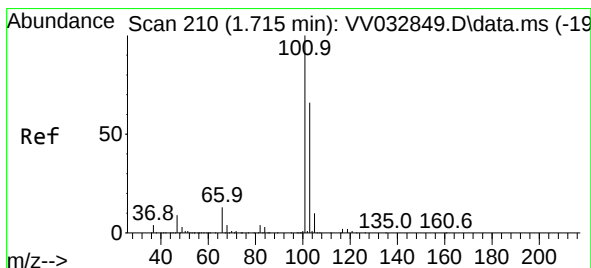
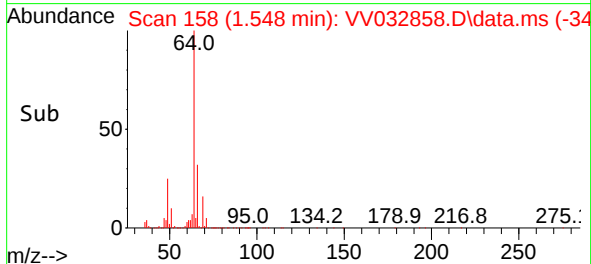
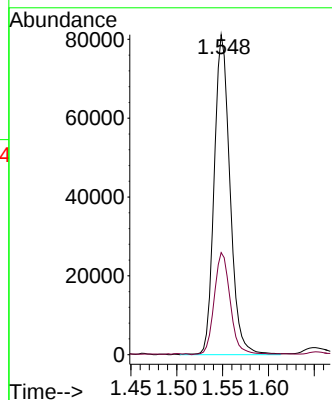
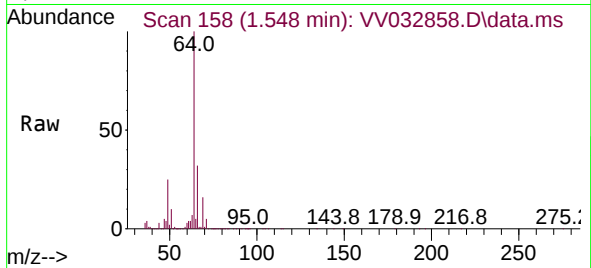




#8
Chloroethane
Concen: 44.626 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV032858.D
Acq: 06 Nov 2023 17:08

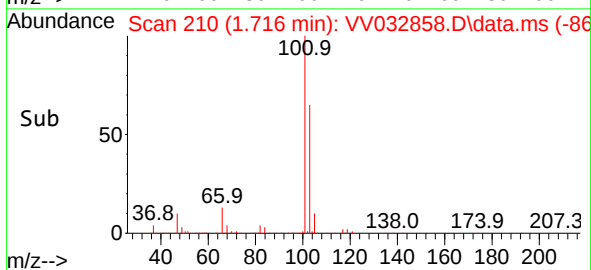
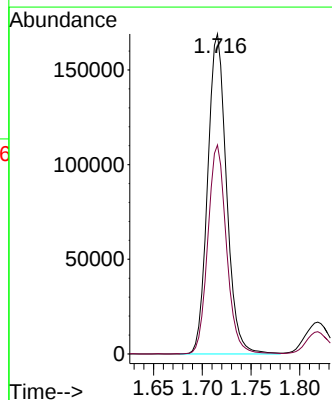
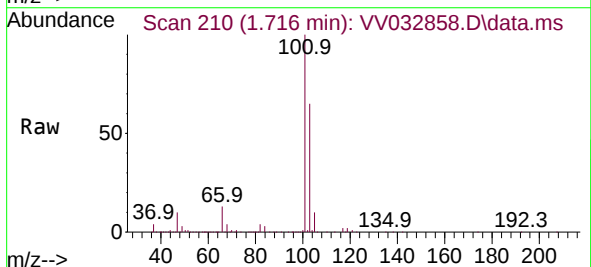
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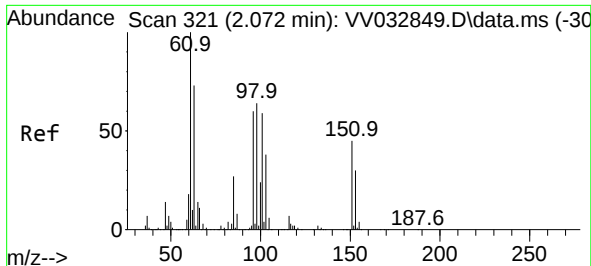
Tgt Ion: 64 Resp: 97364
Ion Ratio Lower Upper
64 100
66 31.9 22.5 41.9



#9
Trichlorofluoromethane
Concen: 43.998 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV032858.D
Acq: 06 Nov 2023 17:08

Tgt Ion:101 Resp: 227242
Ion Ratio Lower Upper
101 100
103 64.4 51.7 77.5

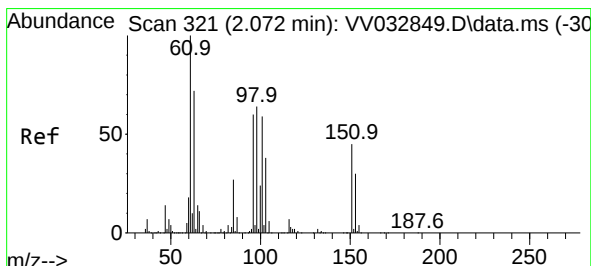
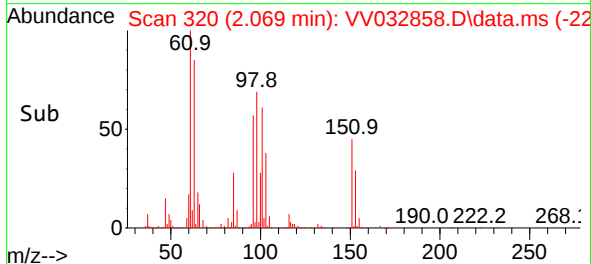
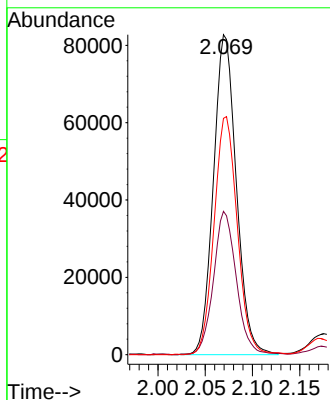
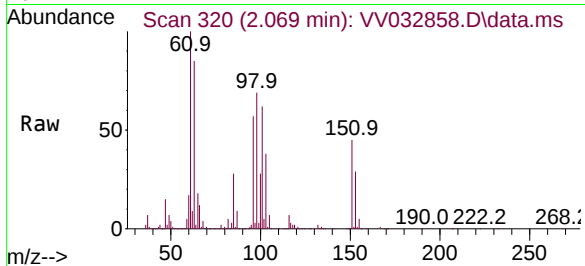




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 44.712 ug/L
RT: 2.069 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV032858.D
Acq: 06 Nov 2023 17:08

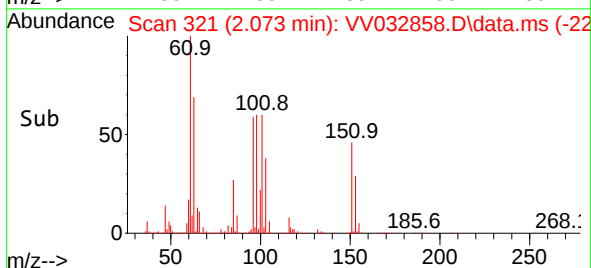
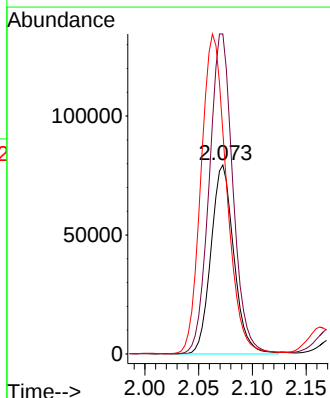
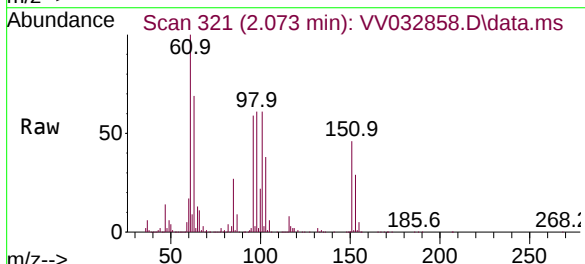
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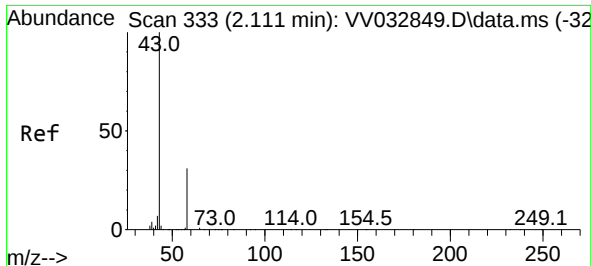
Tgt Ion:101 Resp: 139726
Ion Ratio Lower Upper
101 100
85 44.5 35.6 53.4
151 75.4 59.9 89.9



#12
1,1-Dichloroethene
Concen: 44.038 ug/L
RT: 2.073 min Scan# 321
Delta R.T. 0.000 min
Lab File: VV032858.D
Acq: 06 Nov 2023 17:08

Tgt Ion: 96 Resp: 117602
Ion Ratio Lower Upper
96 100
61 169.3 124.2 230.6
63 117.6 111.8 207.6





#13

Acetone

Concen: 70.836 ug/L

RT: 2.111 min Scan# 311

Delta R.T. 0.000 min

Lab File: VV032858.D

Acq: 06 Nov 2023 17:08

Instrument :

MSVOA_V

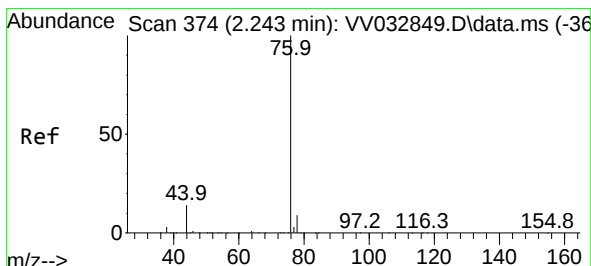
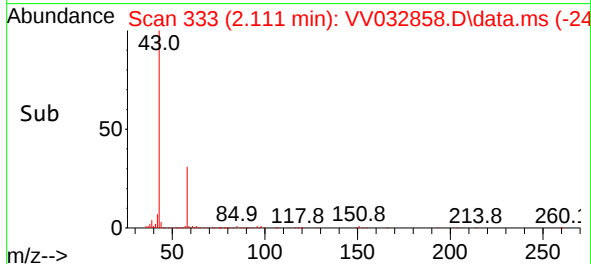
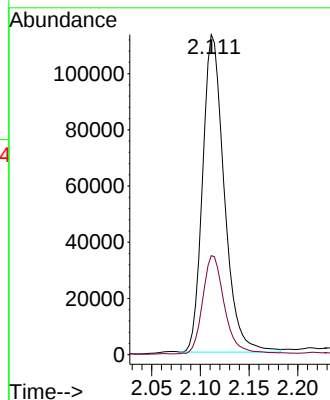
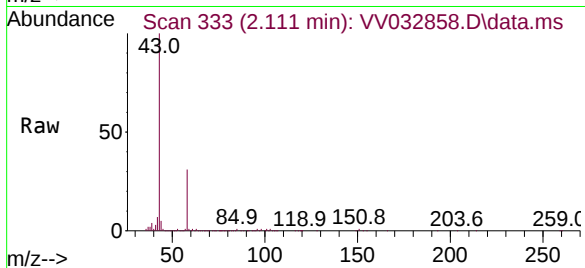
ClientSampleId :

Tgt Ion: 43 Resp: 174652

Ion Ratio Lower Upper

43 100

58 31.2 0.0 61.2



#14

Carbon disulfide

Concen: 42.965 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV032858.D

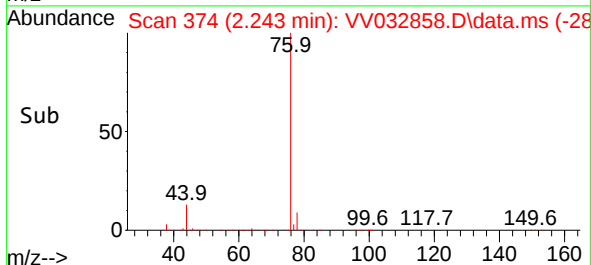
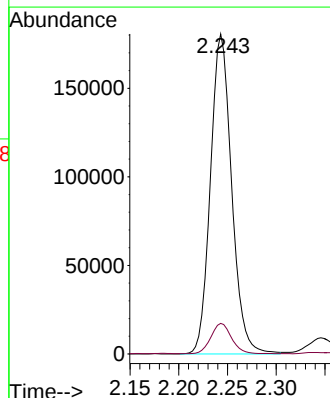
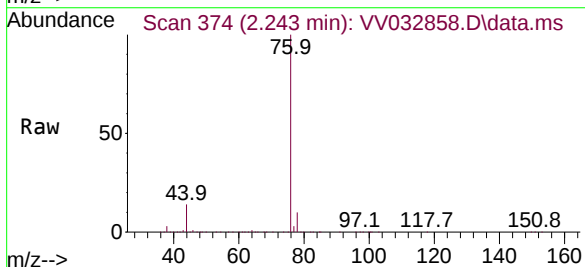
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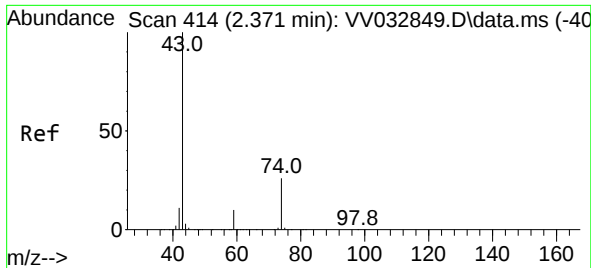
Tgt Ion: 76 Resp: 273893

Ion Ratio Lower Upper

76 100

78 9.6 7.6 11.4

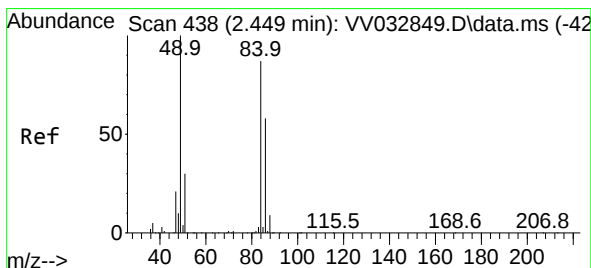
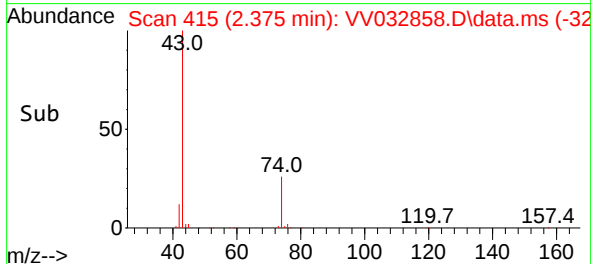
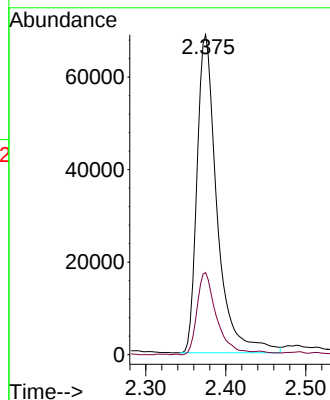
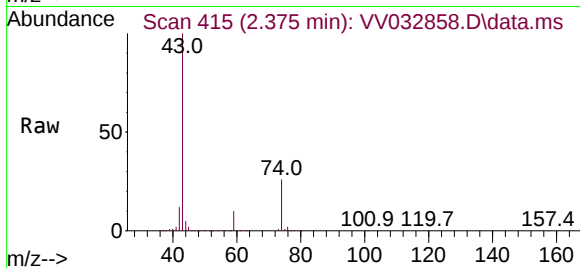




#15
Methyl Acetate
Concen: 48.049 ug/L
RT: 2.375 min Scan# 414
Delta R.T. 0.003 min
Lab File: VV032858.D
Acq: 06 Nov 2023 17:08

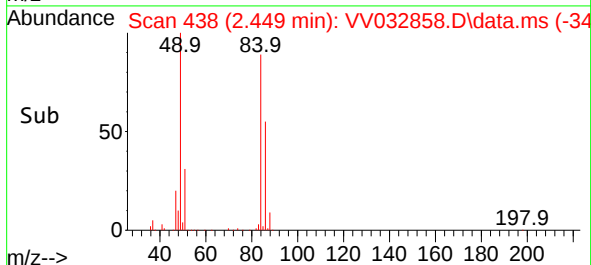
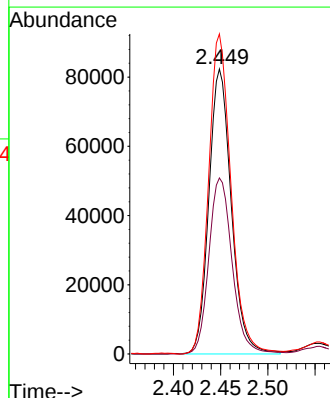
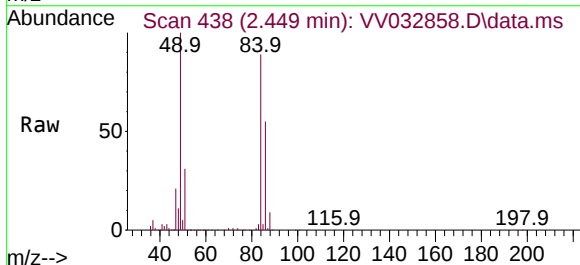
Instrument :
MSVOA_V
ClientSampleId :

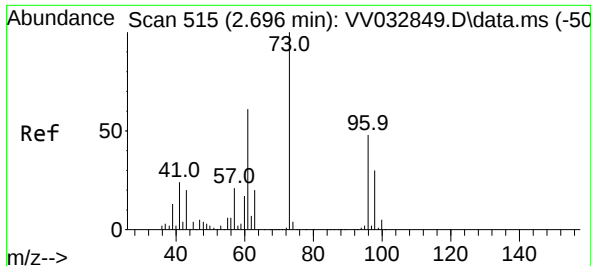
Tgt Ion: 43 Resp: 120119
Ion Ratio Lower Upper
43 100
74 25.2 20.6 30.8



#16
Methylene chloride
Concen: 38.349 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV032858.D
Acq: 06 Nov 2023 17:08

Tgt Ion: 84 Resp: 135839
Ion Ratio Lower Upper
84 100
86 61.8 45.0 83.6
49 112.3 81.2 150.8





#17

trans-1,2-Dichloroethene

Concen: 45.122 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.000 min

Lab File: VV032858.D

Acq: 06 Nov 2023 17:08

Instrument :

MSVOA_V

ClientSampleId :

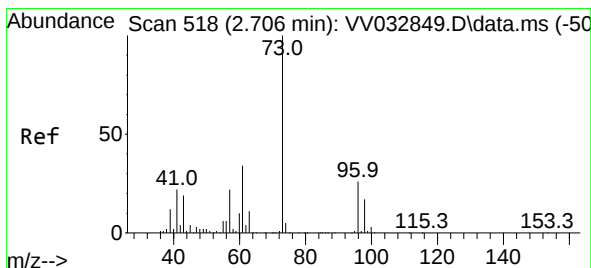
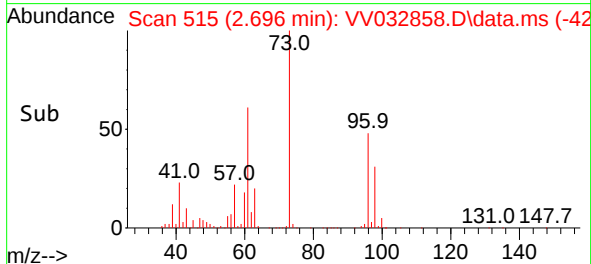
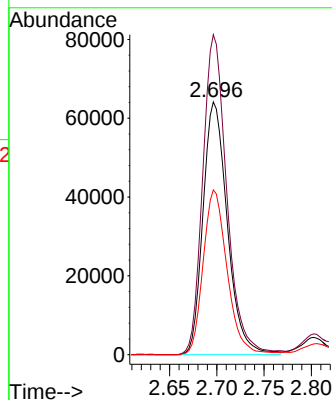
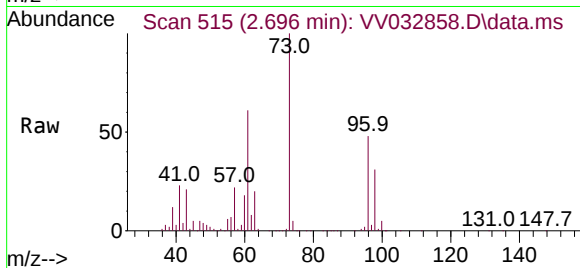
Tgt Ion: 96 Resp: 115009

Ion Ratio Lower Upper

96 100

61 126.5 86.9 161.3

98 65.1 42.9 79.7



#18

Methyl tert-butyl Ether

Concen: 49.551 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.000 min

Lab File: VV032858.D

Acq: 06 Nov 2023 17:08

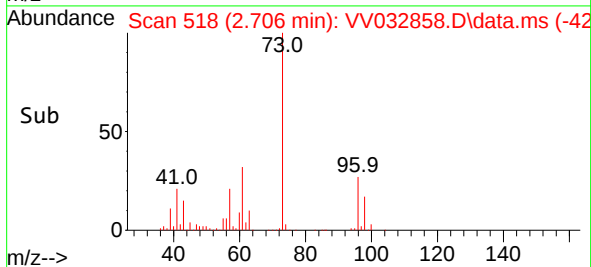
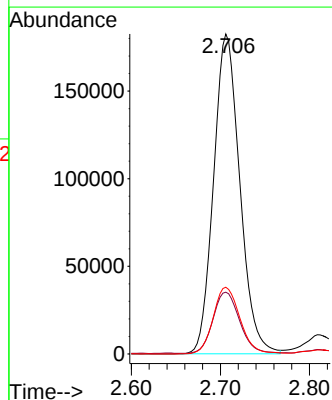
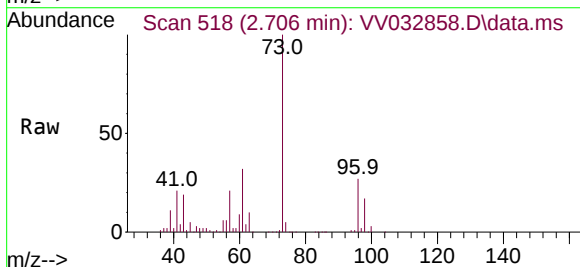
Tgt Ion: 73 Resp: 372986

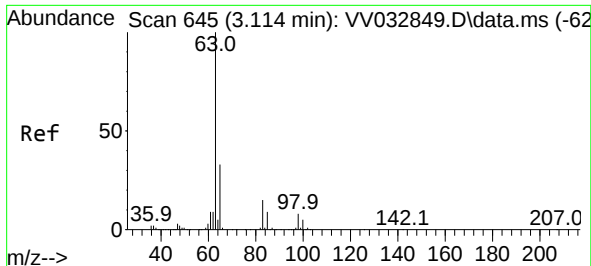
Ion Ratio Lower Upper

73 100

43 19.5 16.1 24.1

57 21.3 17.4 26.0





#19

1,1-Dichloroethane

Concen: 45.473 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.000 min

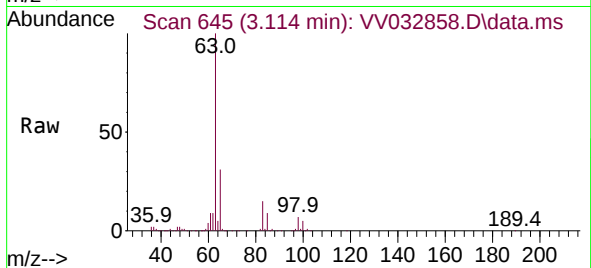
Lab File: VV032858.D

Acq: 06 Nov 2023 17:08

Instrument :

MSVOA_V

ClientSampleId :



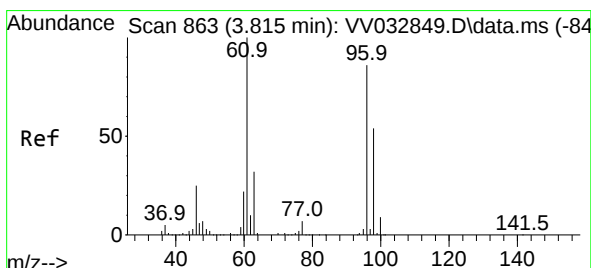
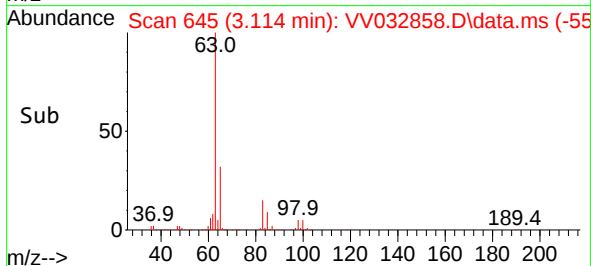
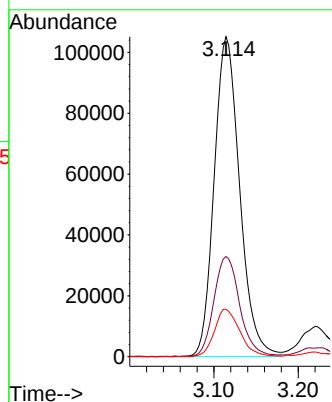
Tgt Ion: 63 Resp: 220883

Ion Ratio Lower Upper

63 100

65 31.3 22.3 41.5

83 14.9 10.1 18.7



#20

cis-1,2-Dichloroethene

Concen: 46.486 ug/L

RT: 3.818 min Scan# 864

Delta R.T. 0.003 min

Lab File: VV032858.D

Acq: 06 Nov 2023 17:08

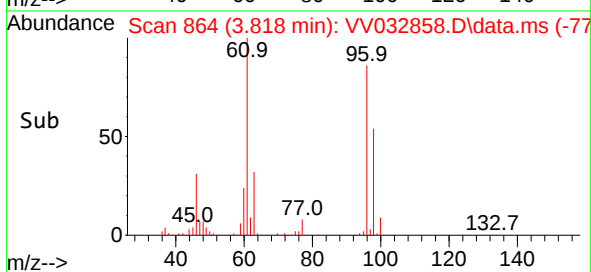
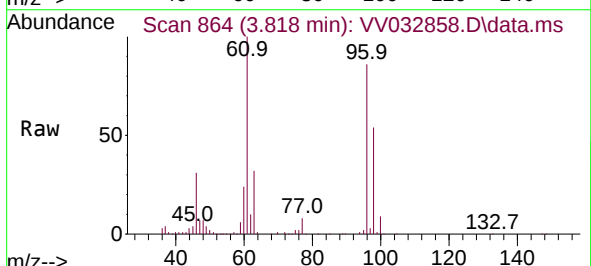
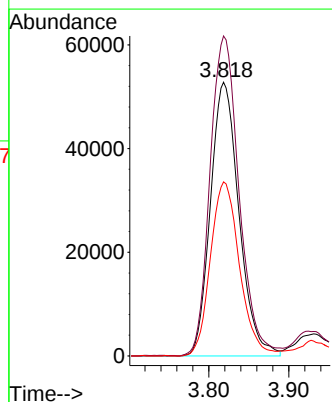
Tgt Ion: 96 Resp: 130856

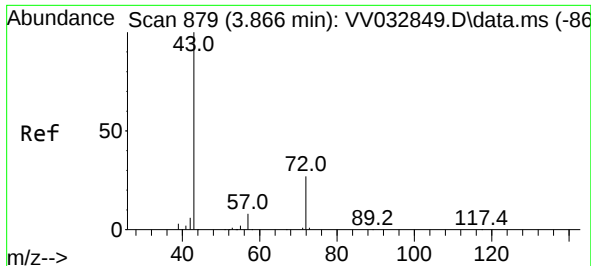
Ion Ratio Lower Upper

96 100

61 116.9 83.3 154.7

98 63.6 44.2 82.2

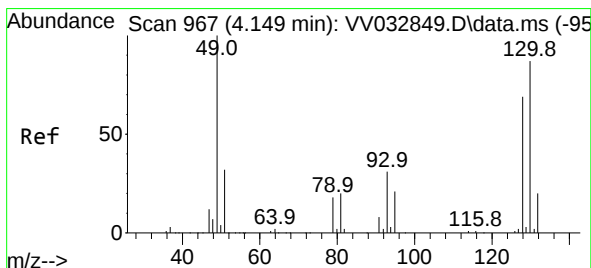
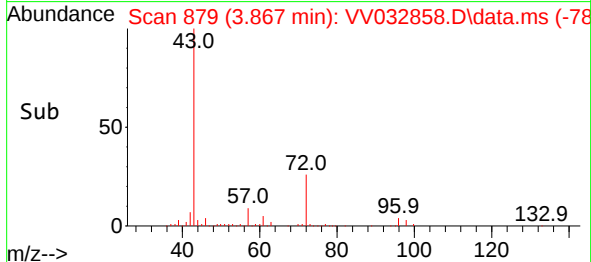
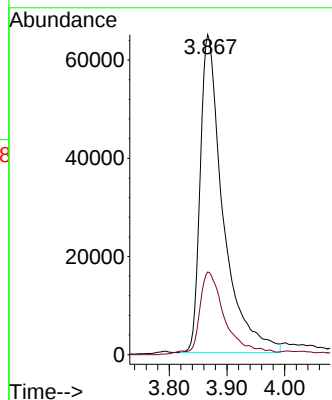
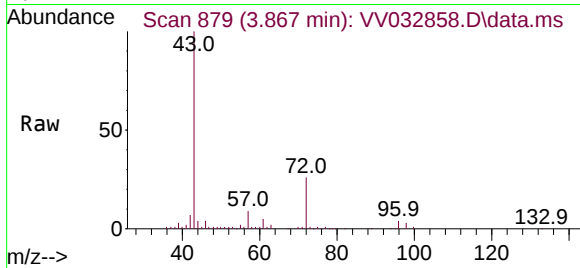




#22
2-Butanone
Concen: 85.342 ug/L
RT: 3.867 min Scan# 81
Delta R.T. 0.000 min
Lab File: VV032858.D
Acq: 06 Nov 2023 17:08

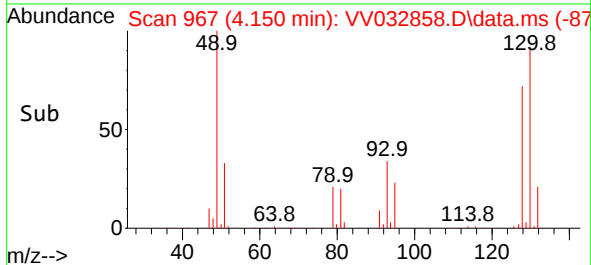
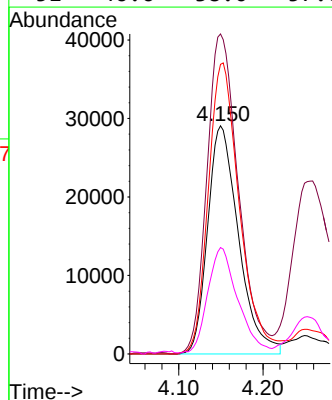
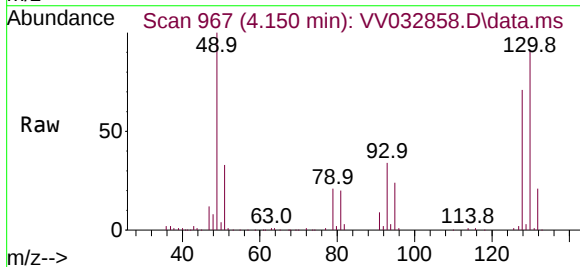
Instrument :
MSVOA_V
ClientSampleId :

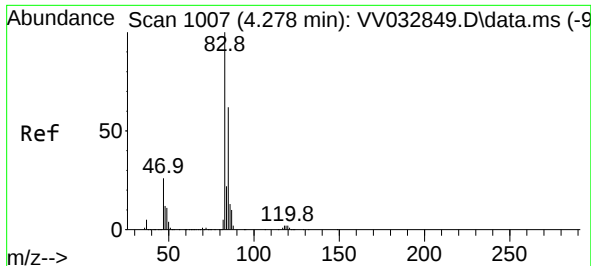
Tgt Ion: 43 Resp: 178446
Ion Ratio Lower Upper
43 100
72 24.3 13.5 40.4



#23
Bromochloromethane
Concen: 47.141 ug/L
RT: 4.150 min Scan# 967
Delta R.T. 0.000 min
Lab File: VV032858.D
Acq: 06 Nov 2023 17:08

Tgt Ion:128 Resp: 74065
Ion Ratio Lower Upper
128 100
49 140.3 101.0 187.6
130 127.0 88.5 164.4
51 46.6 38.0 57.0

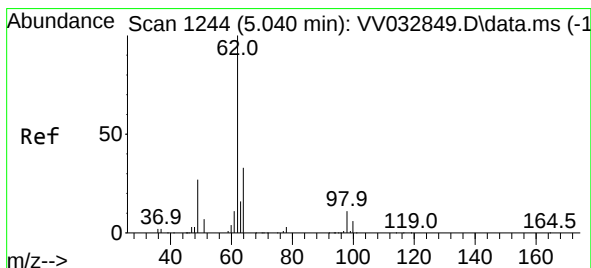
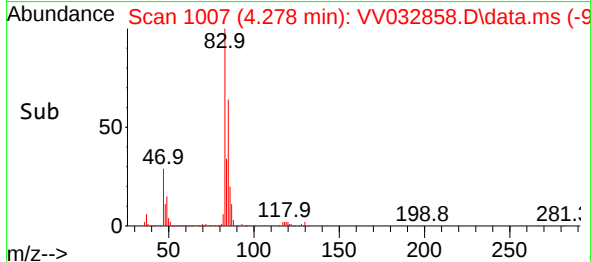
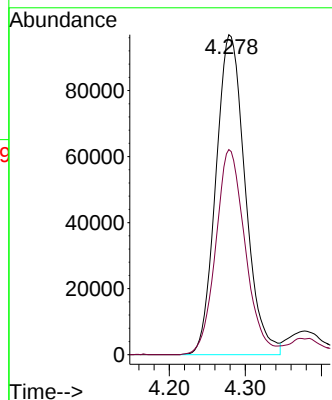
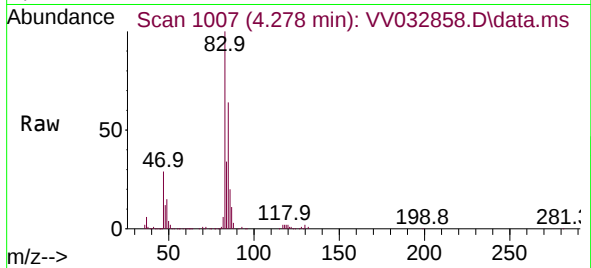




#25
Chloroform
Concen: 46.911 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. 0.000 min
Lab File: VV032858.D
Acq: 06 Nov 2023 17:08

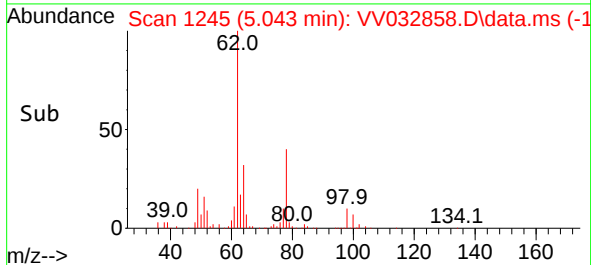
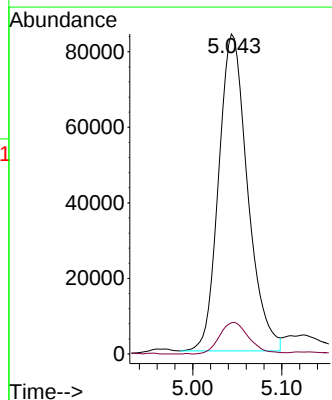
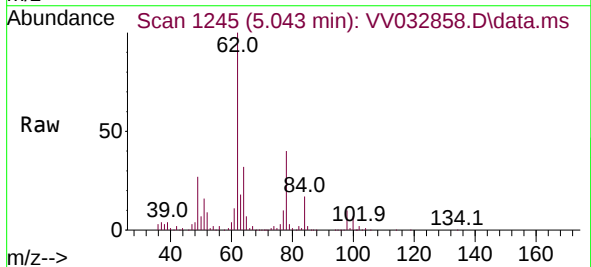
Instrument :
MSVOA_V
ClientSampleId :

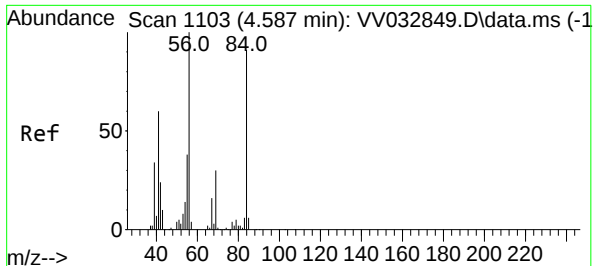
Tgt Ion: 83 Resp: 259710
Ion Ratio Lower Upper
83 100
85 64.1 46.2 85.8



#27
1,2-Dichloroethane
Concen: 47.507 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. 0.003 min
Lab File: VV032858.D
Acq: 06 Nov 2023 17:08

Tgt Ion: 62 Resp: 189542
Ion Ratio Lower Upper
62 100
98 9.8 7.5 11.3





#29

Cyclohexane

Concen: 43.358 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.000 min

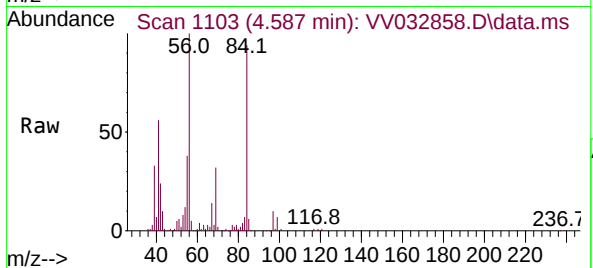
Lab File: VV032858.D

Acq: 06 Nov 2023 17:08

Instrument :

MSVOA_V

ClientSampleId :



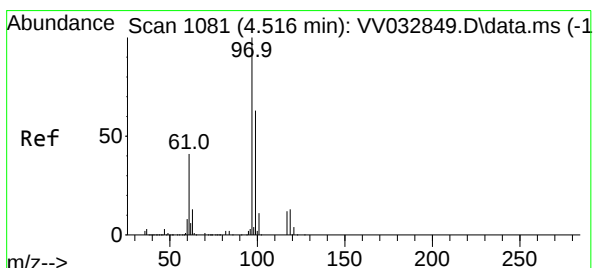
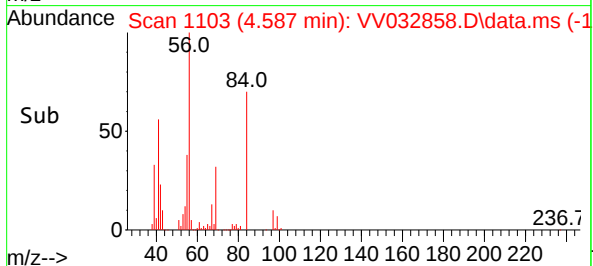
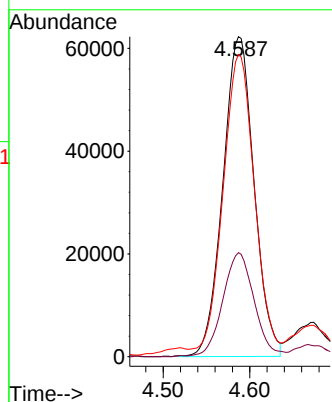
Tgt Ion: 56 Resp: 155784

Ion Ratio Lower Upper

56 100

69 32.0 13.4 20.0#

84 94.8 75.3 112.9



#30

1,1,1-Trichloroethane

Concen: 44.995 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.000 min

Lab File: VV032858.D

Acq: 06 Nov 2023 17:08

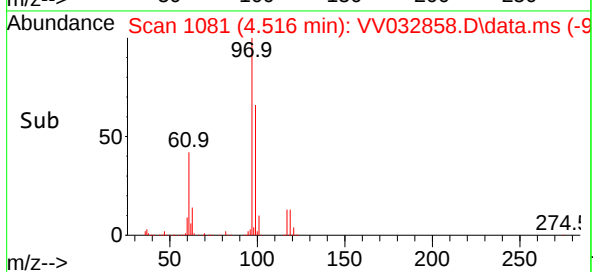
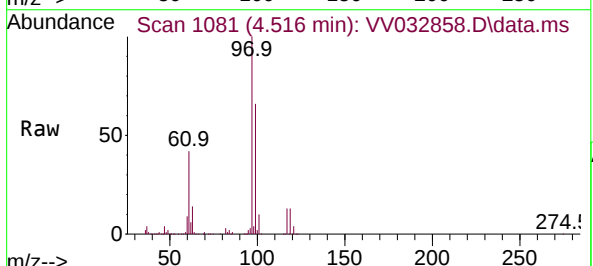
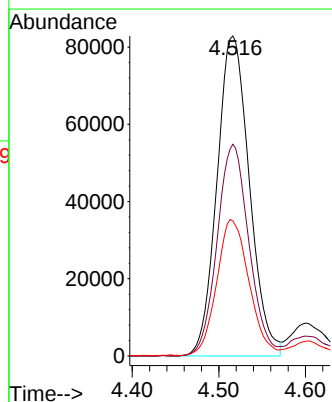
Tgt Ion: 97 Resp: 215515

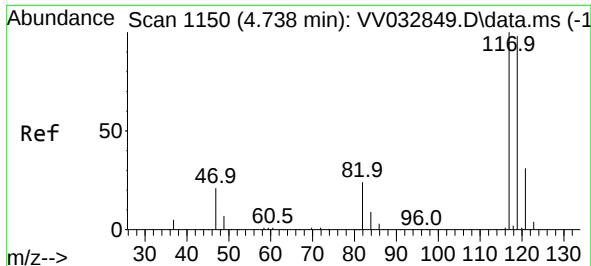
Ion Ratio Lower Upper

97 100

99 64.9 51.8 77.6

61 42.1 34.8 52.2

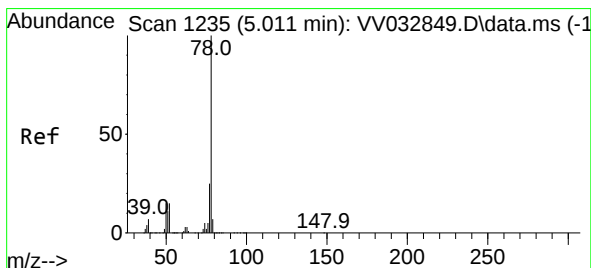
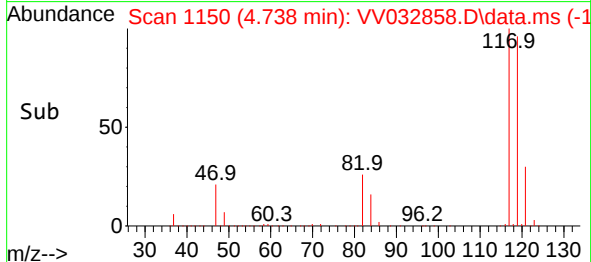
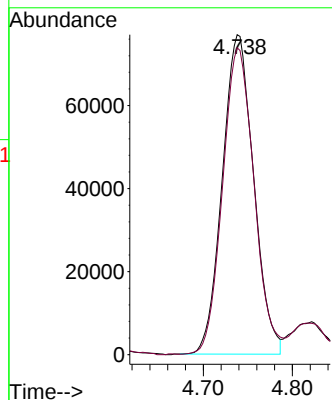
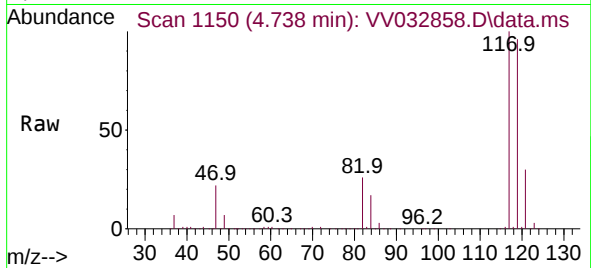




#31
Carbon tetrachloride
Concen: 44.430 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. 0.000 min
Lab File: VV032858.D
Acq: 06 Nov 2023 17:08

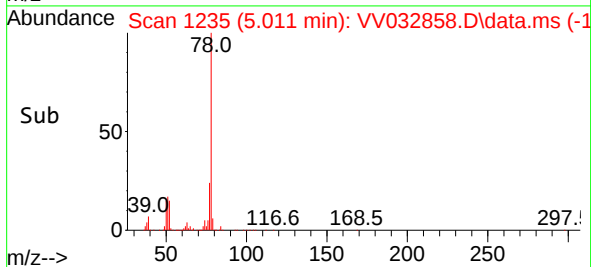
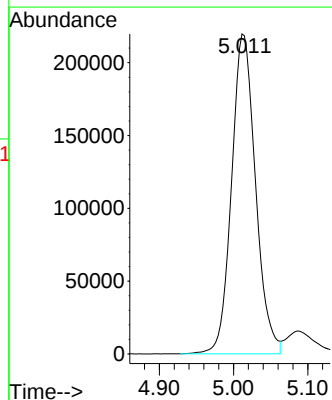
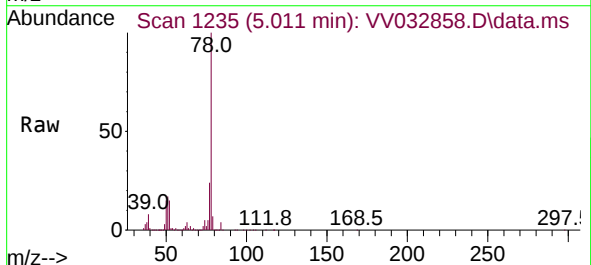
Instrument :
MSVOA_V
ClientSampleId :

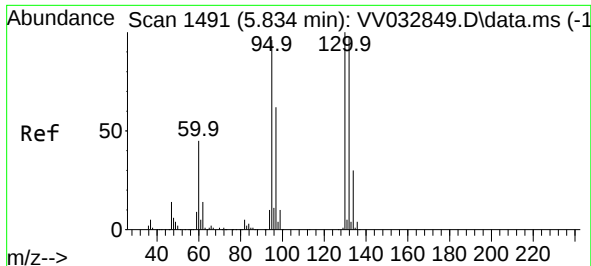
Tgt Ion:117 Resp: 188051
Ion Ratio Lower Upper
117 100
119 96.6 76.6 115.0



#33
Benzene
Concen: 46.452 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VV032858.D
Acq: 06 Nov 2023 17:08

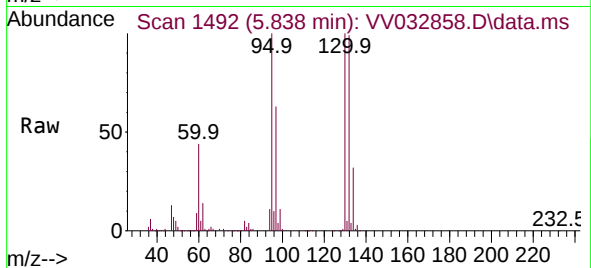
Tgt Ion: 78 Resp: 492432





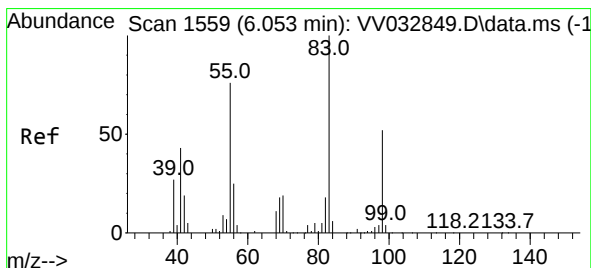
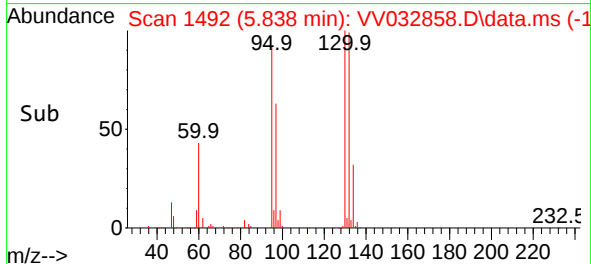
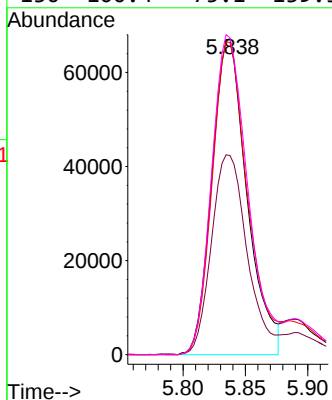
#34
 Trichloroethene
 Concen: 44.468 ug/L
 RT: 5.838 min Scan# 1491
 Delta R.T. 0.003 min
 Lab File: VV032858.D
 Acq: 06 Nov 2023 17:08

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 95 Resp: 131225

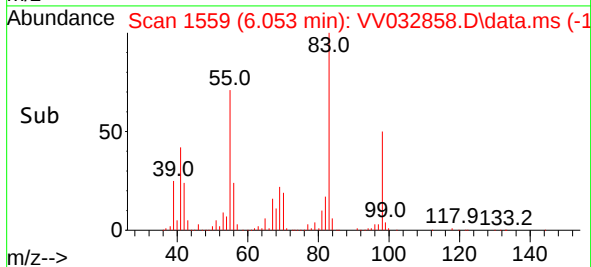
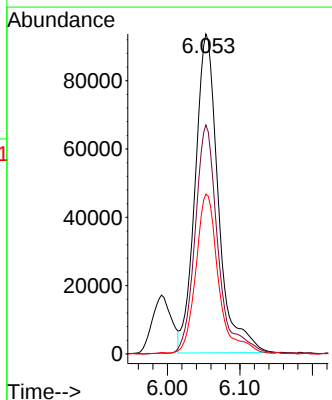
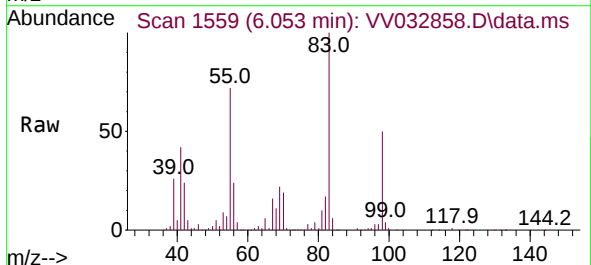
Ion	Ratio	Lower	Upper
95	100		
97	63.1	46.3	85.9
132	98.9	69.0	128.2
130	100.4	75.1	139.5

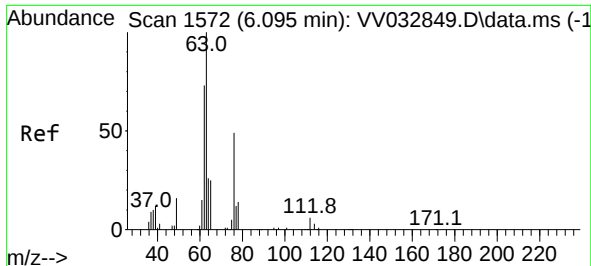


#35
 Methylcyclohexane
 Concen: 45.022 ug/L
 RT: 6.053 min Scan# 1559
 Delta R.T. 0.000 min
 Lab File: VV032858.D
 Acq: 06 Nov 2023 17:08

Tgt Ion: 83 Resp: 207889

Ion	Ratio	Lower	Upper
83	100		
55	70.3	57.8	86.8
98	49.2	39.4	59.2





#37

1,2-Dichloropropane

Concen: 49.163 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV032858.D

Acq: 06 Nov 2023 17:08

Instrument :

MSVOA_V

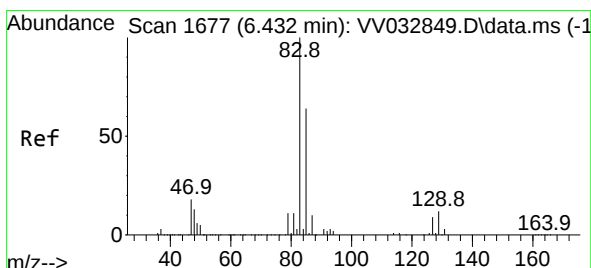
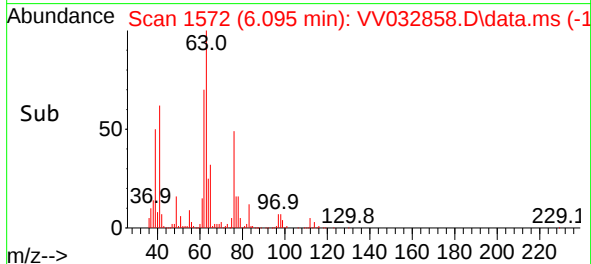
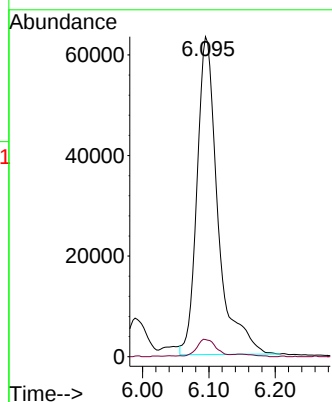
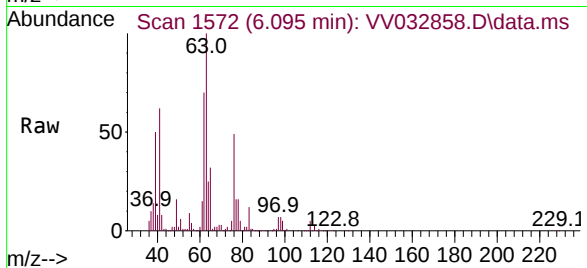
ClientSampleId :

Tgt Ion: 63 Resp: 138342

Ion Ratio Lower Upper

63 100

112 4.6 4.1 6.1



#38

Bromodichloromethane

Concen: 45.570 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV032858.D

Acq: 06 Nov 2023 17:08

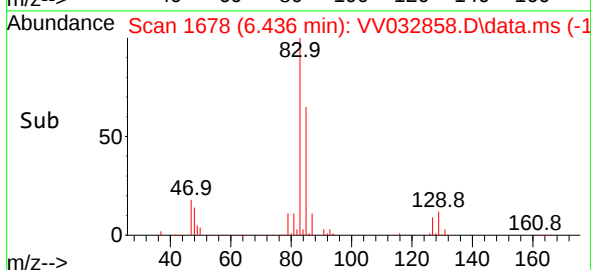
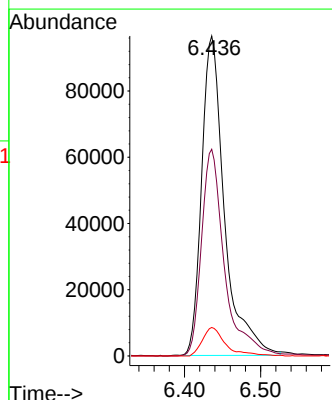
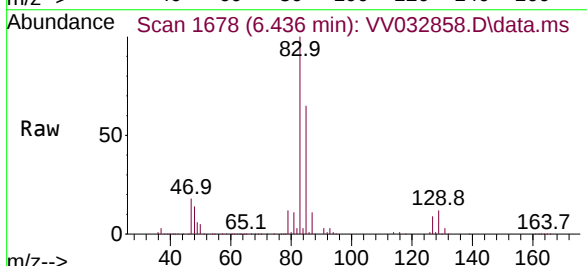
Tgt Ion: 83 Resp: 201171

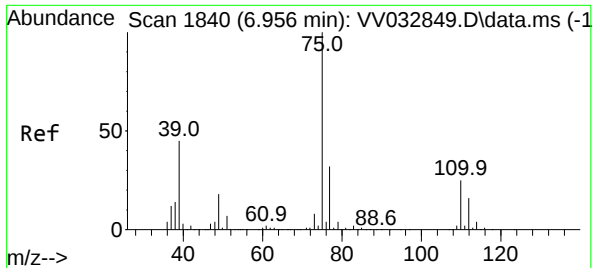
Ion Ratio Lower Upper

83 100

85 64.6 45.1 83.9

127 8.9 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 50.902 ug/L

RT: 6.957 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV032858.D

Acq: 06 Nov 2023 17:08

Instrument :

MSVOA_V

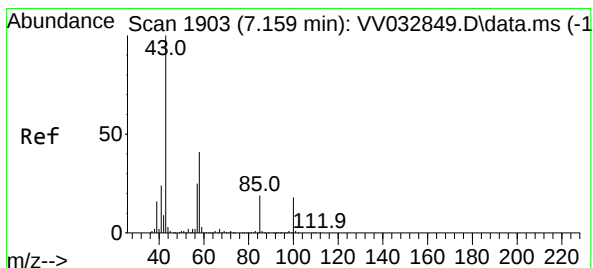
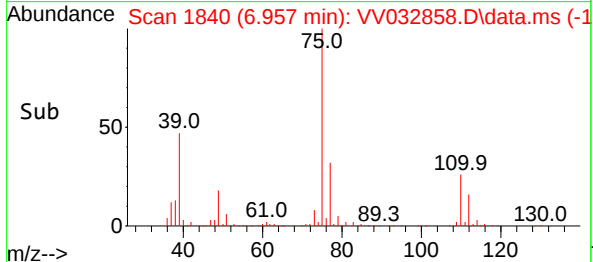
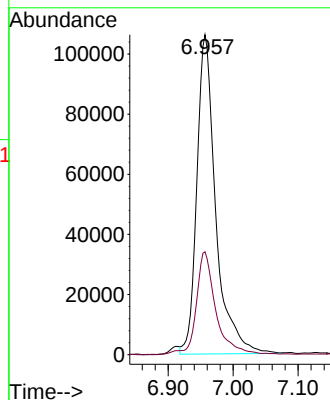
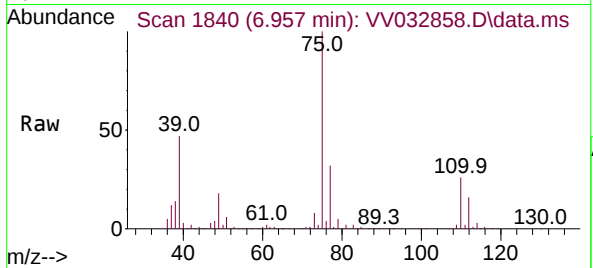
ClientSampleId :

Tgt Ion: 75 Resp: 214886

Ion Ratio Lower Upper

75 100

77 32.2 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 103.885 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV032858.D

Acq: 06 Nov 2023 17:08

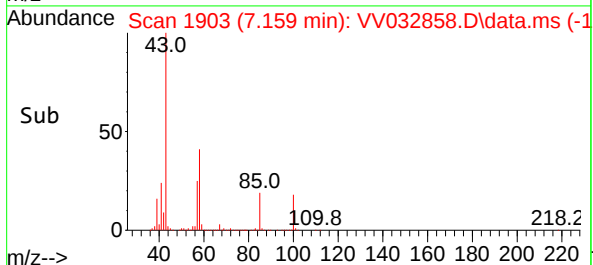
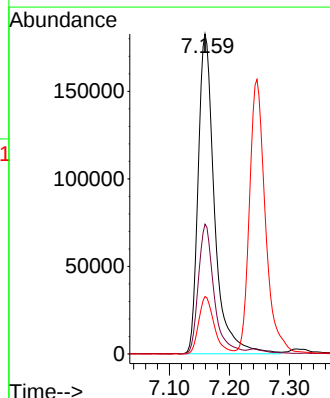
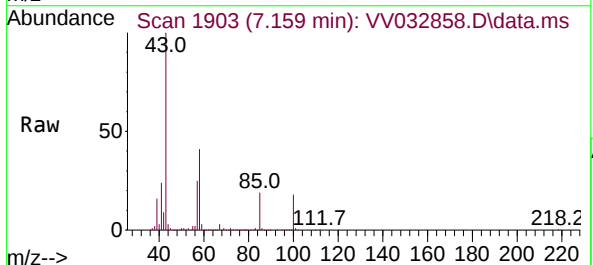
Tgt Ion: 43 Resp: 346441

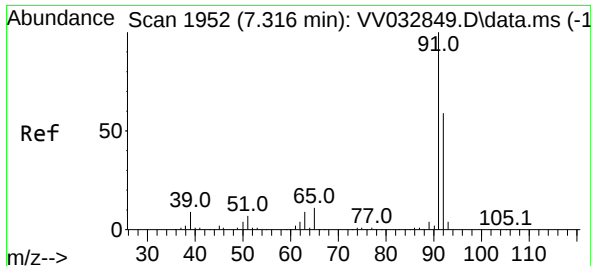
Ion Ratio Lower Upper

43 100

58 39.3 31.4 47.0

100 17.1 13.3 19.9





#42

Toluene

Concen: 48.965 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV032858.D

Acq: 06 Nov 2023 17:08

Instrument :

MSVOA_V

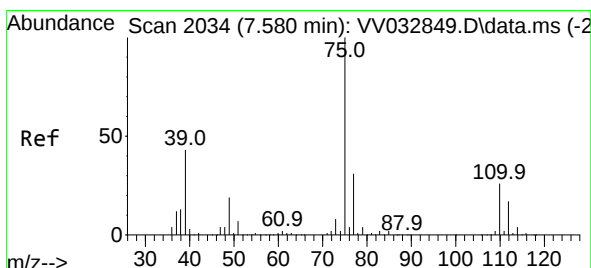
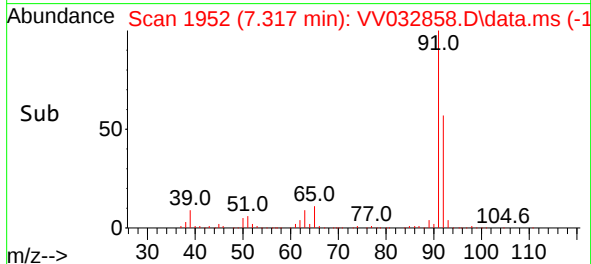
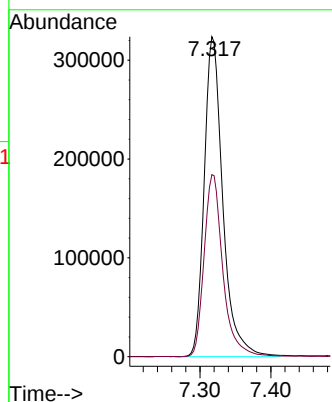
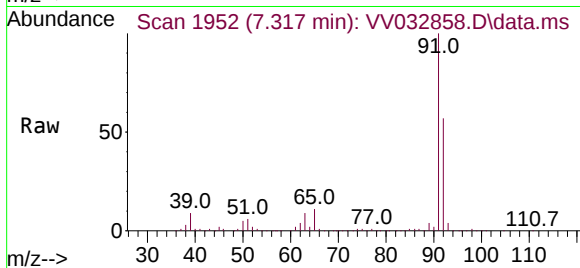
ClientSampleId :

Tgt Ion: 91 Resp: 591133

Ion Ratio Lower Upper

91 100

92 56.9 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 49.276 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. 0.003 min

Lab File: VV032858.D

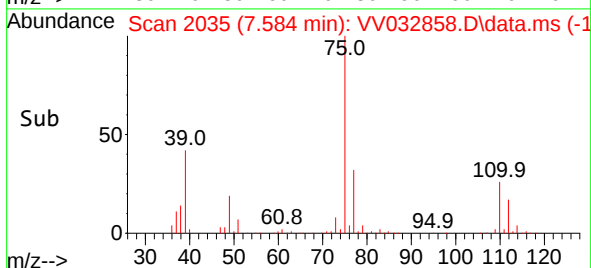
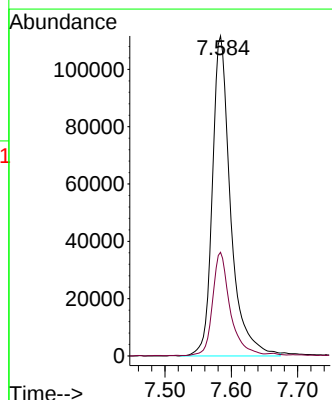
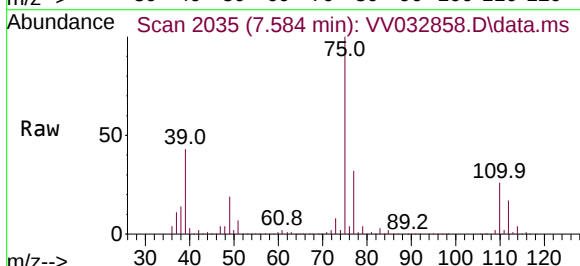
Acq: 06 Nov 2023 17:08

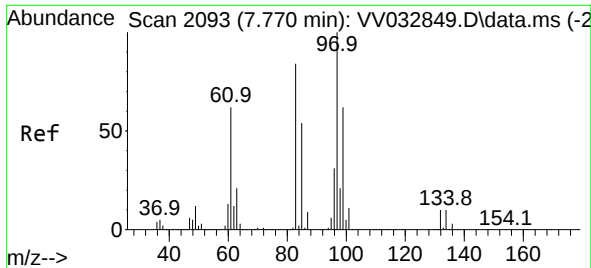
Tgt Ion: 75 Resp: 213666

Ion Ratio Lower Upper

75 100

77 32.4 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 46.863 ug/L

RT: 7.770 min Scan# 2093

Delta R.T. 0.000 min

Lab File: VV032858.D

Acq: 06 Nov 2023 17:08

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 151258

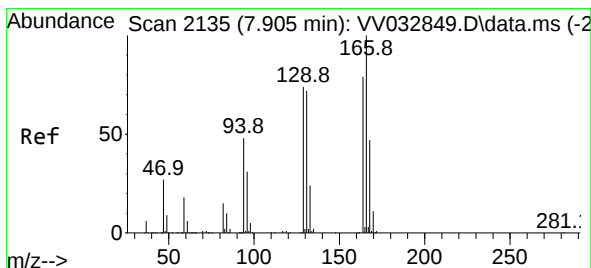
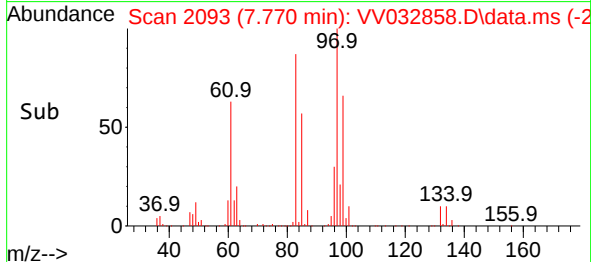
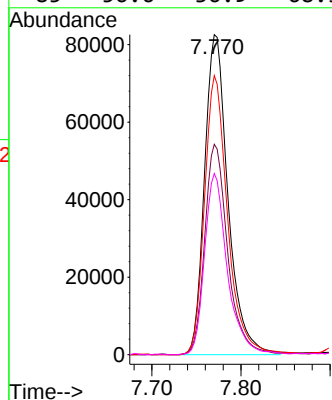
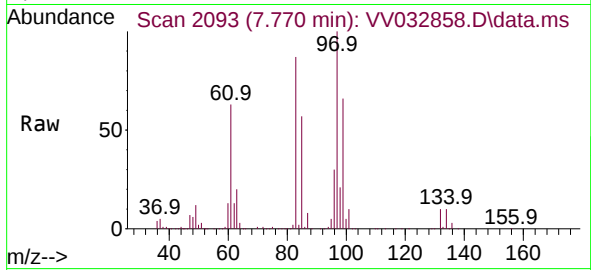
Ion Ratio Lower Upper

97 100

99 65.8 42.8 79.6

83 87.2 58.4 108.4

85 56.6 36.9 68.5



#46

Tetrachloroethene

Concen: 43.278 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VV032858.D

Acq: 06 Nov 2023 17:08

Tgt Ion:164 Resp: 115232

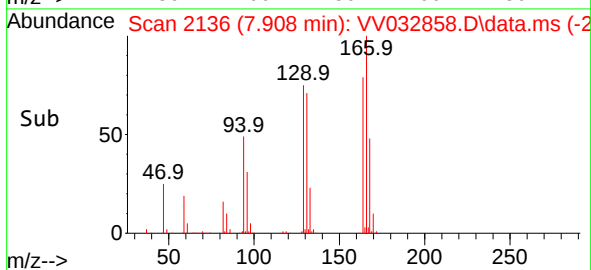
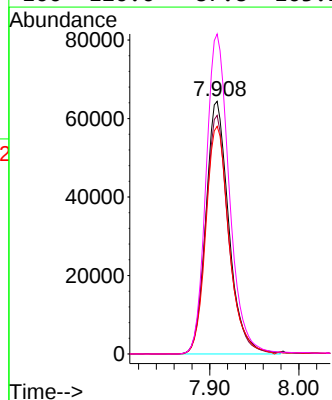
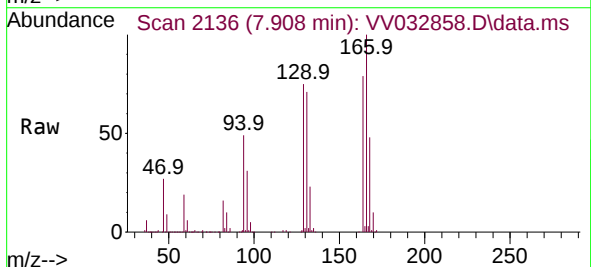
Ion Ratio Lower Upper

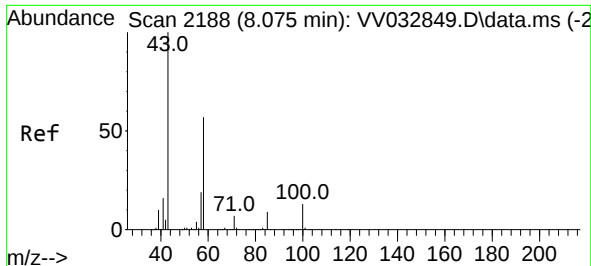
164 100

129 94.4 65.3 121.3

131 90.1 65.0 120.8

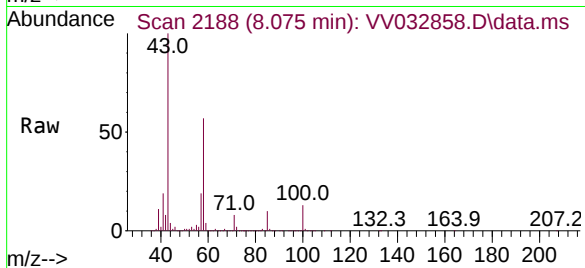
166 126.6 87.8 163.2



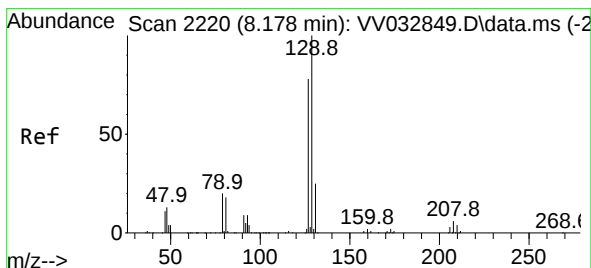
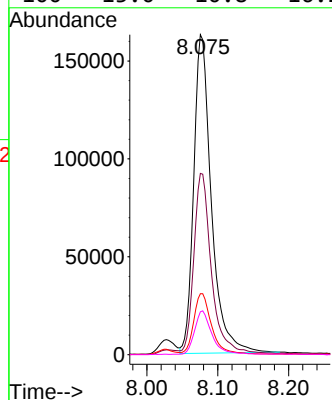
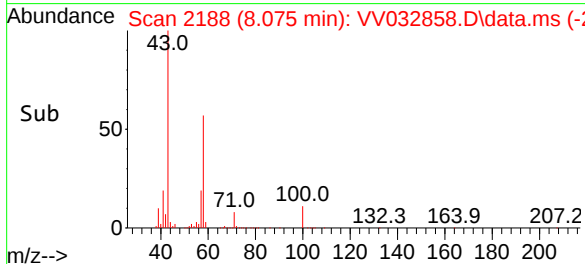


#48
2-Hexanone
Concen: 94.228 ug/L
RT: 8.075 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VV032858.D
Acq: 06 Nov 2023 17:08

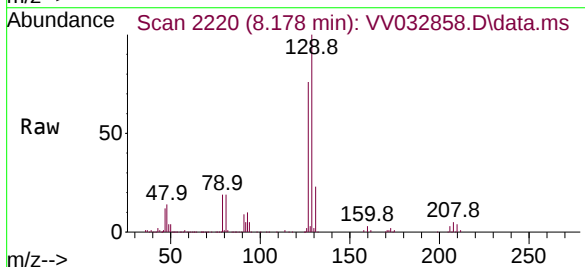
Instrument :
MSVOA_V
ClientSampleId :



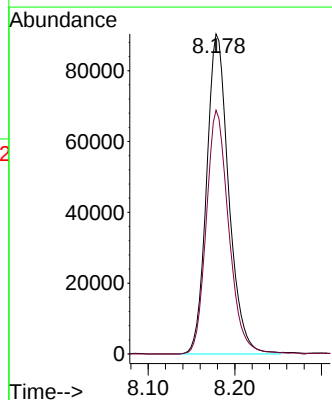
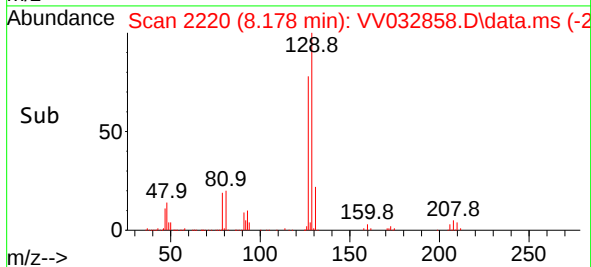
Tgt Ion: 43 Resp: 281940
Ion Ratio Lower Upper
43 100
58 53.1 43.3 64.9
57 18.5 15.5 23.3
100 13.0 10.8 16.2

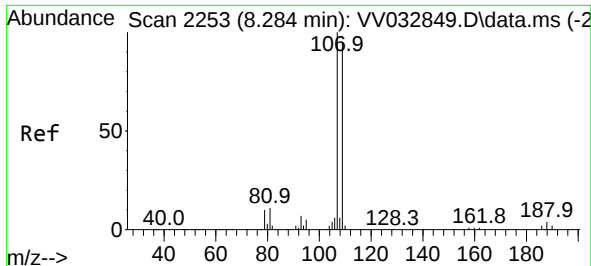


#49
Dibromochloromethane
Concen: 47.570 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032858.D
Acq: 06 Nov 2023 17:08



Tgt Ion: 129 Resp: 160521
Ion Ratio Lower Upper
129 100
127 76.1 54.7 101.5

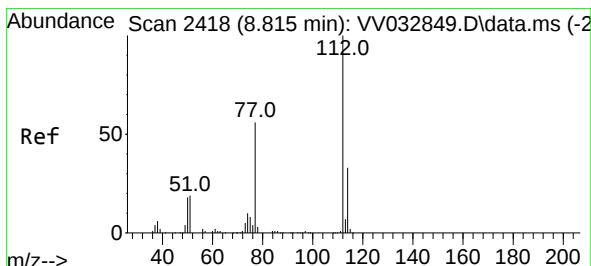
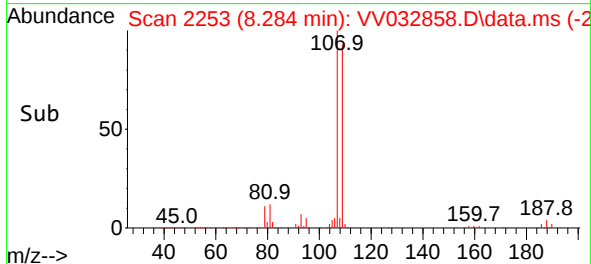
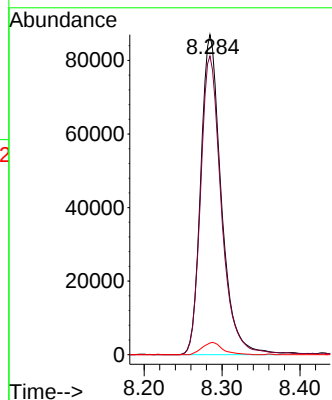
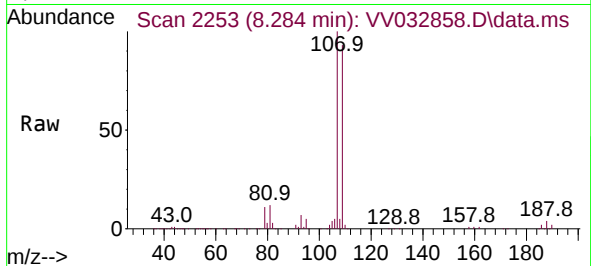




#50
1,2-Dibromoethane
Concen: 48.467 ug/L
RT: 8.284 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032858.D
Acq: 06 Nov 2023 17:08

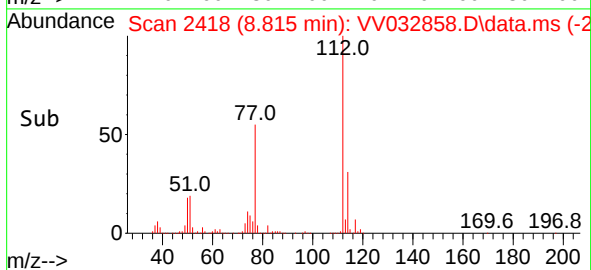
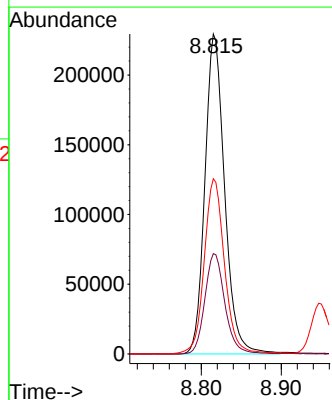
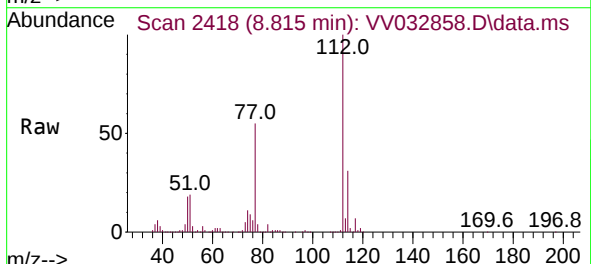
Instrument :
MSVOA_V
ClientSampleId :

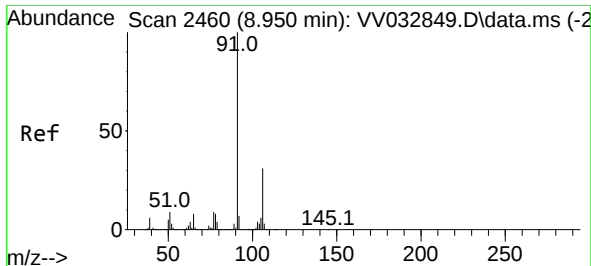
Tgt Ion:107 Resp: 159370
Ion Ratio Lower Upper
107 100
109 93.4 66.4 123.2
188 3.7 3.0 4.6



#51
Chlorobenzene
Concen: 46.059 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. 0.000 min
Lab File: VV032858.D
Acq: 06 Nov 2023 17:08

Tgt Ion:112 Resp: 393656
Ion Ratio Lower Upper
112 100
114 31.4 21.6 40.2
77 54.8 44.4 66.6





#52

Ethylbenzene

Concen: 48.056 ug/L

RT: 8.950 min Scan# 2460

Delta R.T. 0.000 min

Lab File: VV032858.D

Acq: 06 Nov 2023 17:08

Instrument :

MSVOA_V

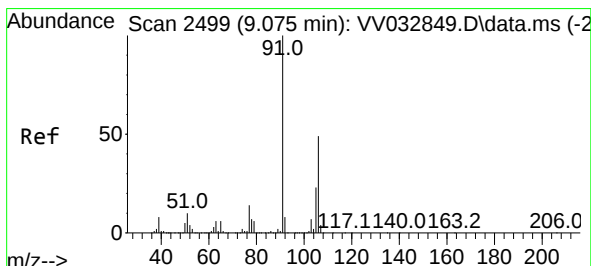
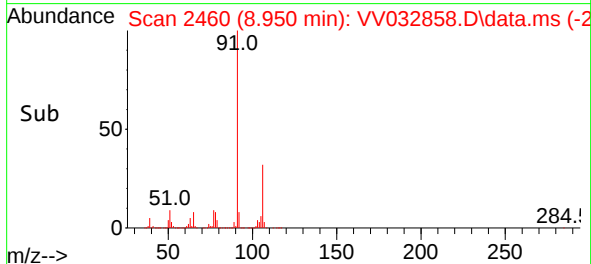
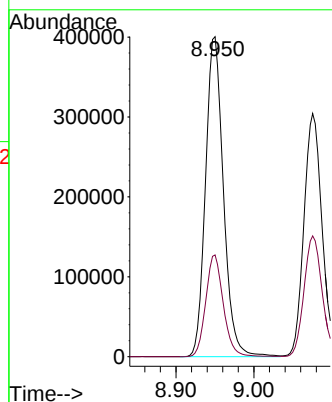
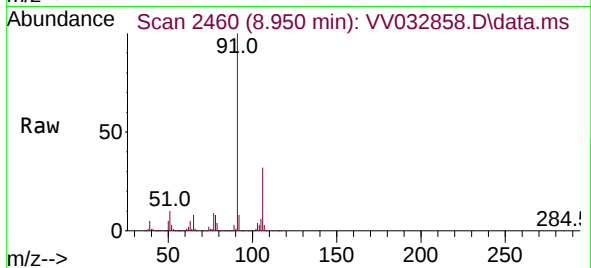
ClientSampleId :

Tgt Ion: 91 Resp: 639965

Ion Ratio Lower Upper

91 100

106 31.8 21.7 40.3



#53

m,p-Xylene

Concen: 48.484 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. 0.000 min

Lab File: VV032858.D

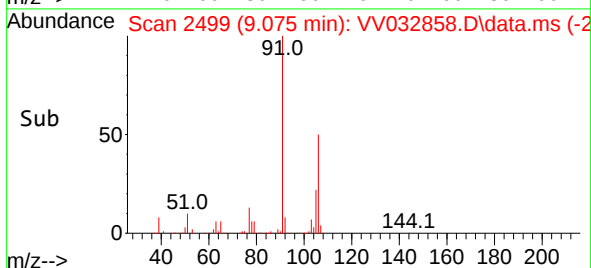
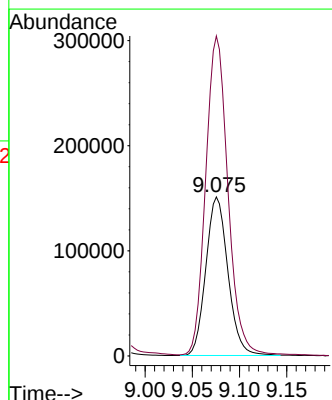
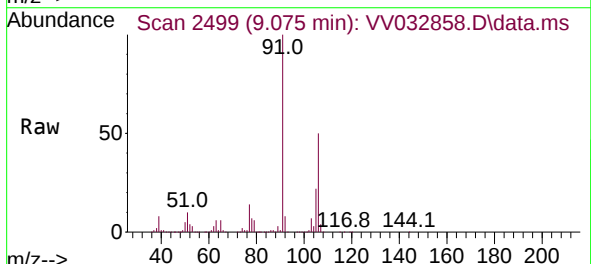
Acq: 06 Nov 2023 17:08

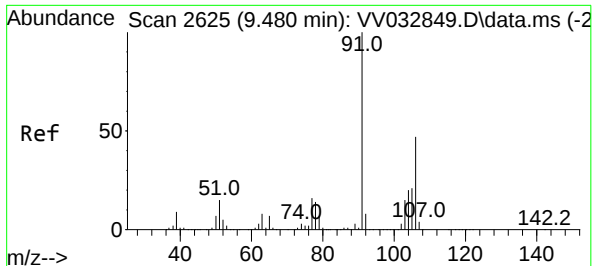
Tgt Ion: 106 Resp: 245731

Ion Ratio Lower Upper

106 100

91 201.2 139.7 259.5





#54

o-Xylene

Concen: 48.651 ug/L

RT: 9.481 min Scan# 2625

Delta R.T. 0.000 min

Lab File: VV032858.D

Acq: 06 Nov 2023 17:08

Instrument :

MSVOA_V

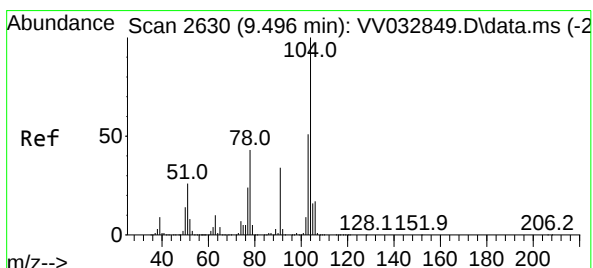
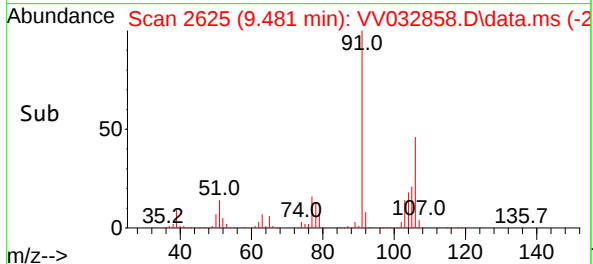
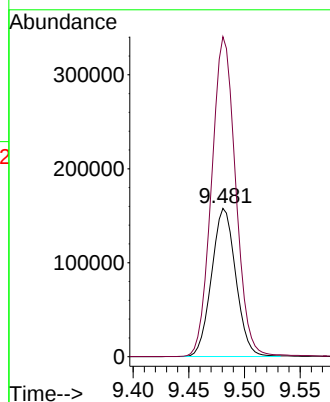
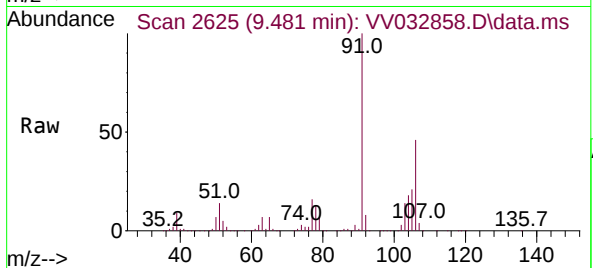
ClientSampleId :

Tgt Ion:106 Resp: 238879

Ion Ratio Lower Upper

106 100

91 215.6 151.0 280.4



#55

Styrene

Concen: 51.458 ug/L

RT: 9.497 min Scan# 2630

Delta R.T. 0.000 min

Lab File: VV032858.D

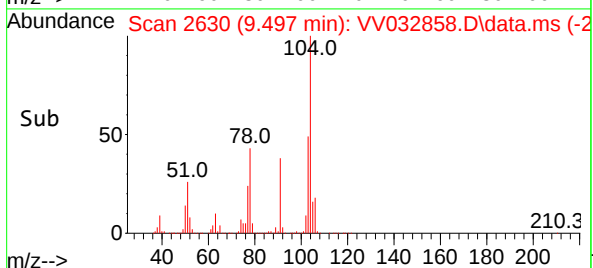
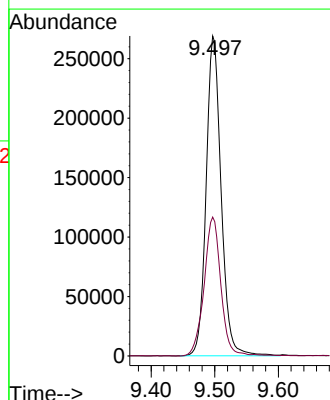
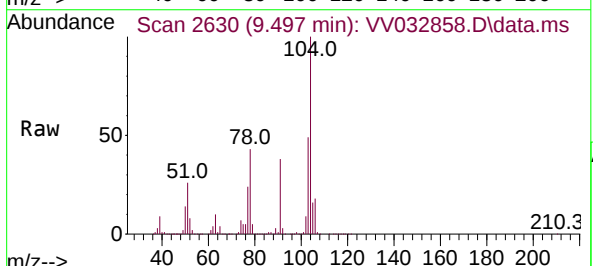
Acq: 06 Nov 2023 17:08

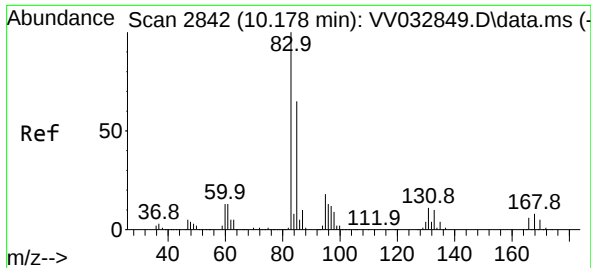
Tgt Ion:104 Resp: 440315

Ion Ratio Lower Upper

104 100

78 43.4 30.1 55.9

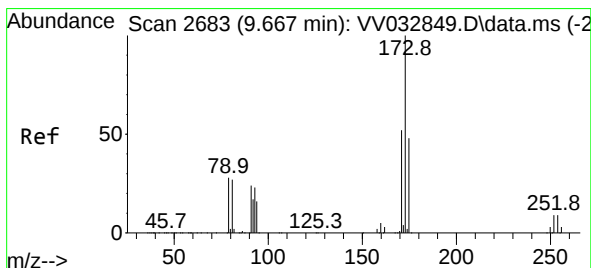
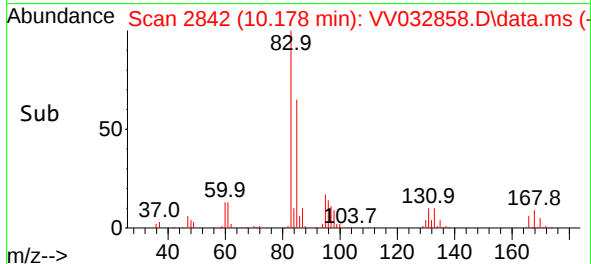
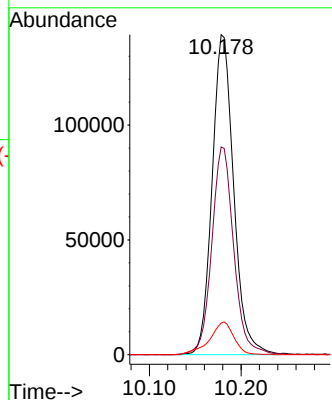
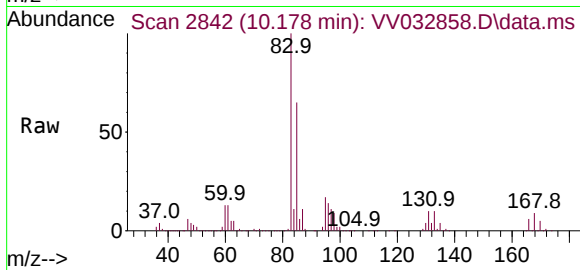




#57
1,1,2,2-Tetrachloroethane
Concen: 47.165 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VV032858.D
Acq: 06 Nov 2023 17:08

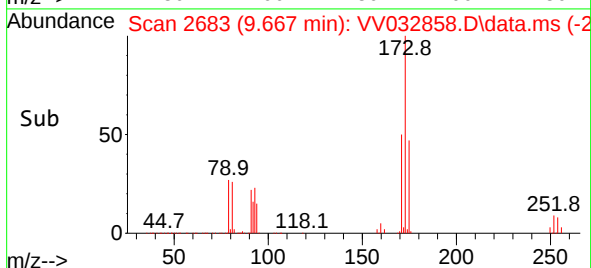
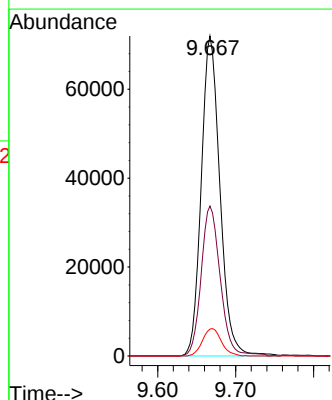
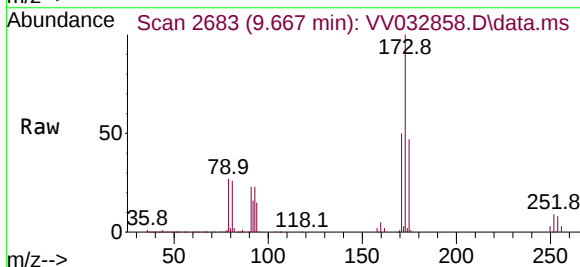
Instrument :
MSVOA_V
ClientSampleId :

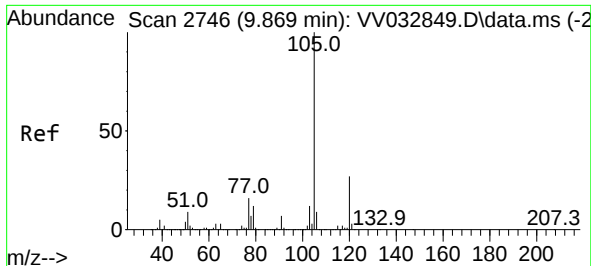
Tgt Ion: 83 Resp: 227998
Ion Ratio Lower Upper
83 100
85 64.9 44.9 83.3
131 9.9 7.8 11.6



#59
Bromoform
Concen: 47.487 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.000 min
Lab File: VV032858.D
Acq: 06 Nov 2023 17:08

Tgt Ion: 173 Resp: 119887
Ion Ratio Lower Upper
173 100
175 47.7 38.4 57.6
254 8.6 7.0 10.6

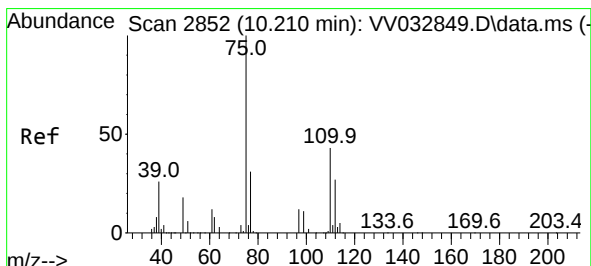
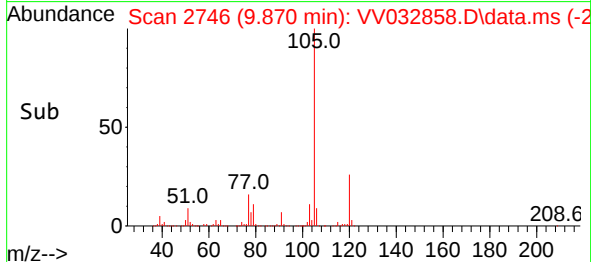
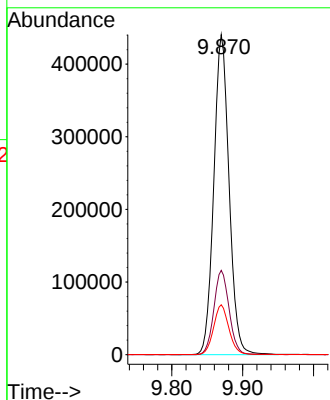
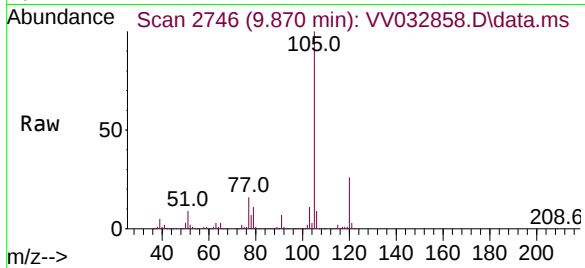




#60
Isopropylbenzene
Concen: 48.292 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032858.D
Acq: 06 Nov 2023 17:08

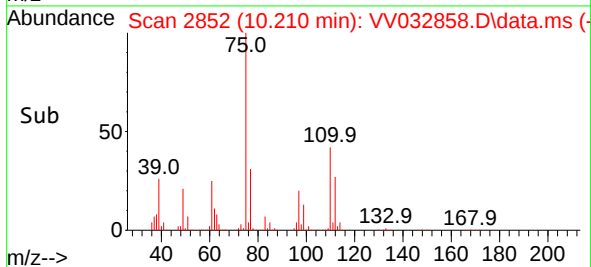
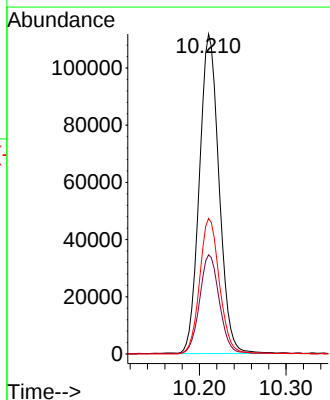
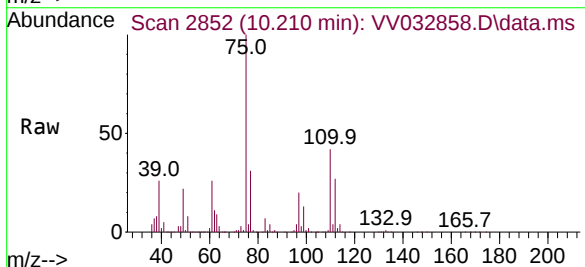
Instrument :
MSVOA_V
ClientSampleId :

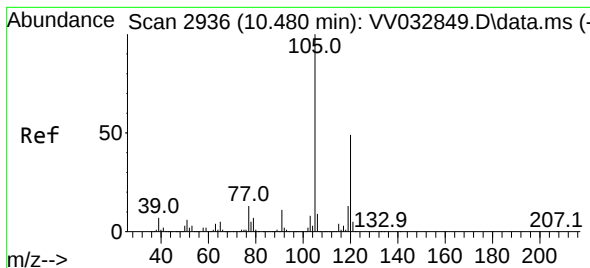
Tgt Ion:105 Resp: 659458
Ion Ratio Lower Upper
105 100
120 26.4 21.1 31.7
77 15.6 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 46.796 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV032858.D
Acq: 06 Nov 2023 17:08

Tgt Ion: 75 Resp: 176008
Ion Ratio Lower Upper
75 100
77 30.8 25.4 38.0
110 42.7 34.3 51.5

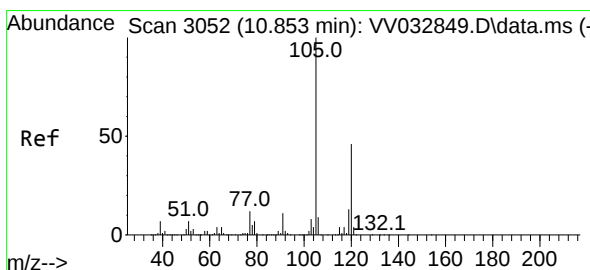
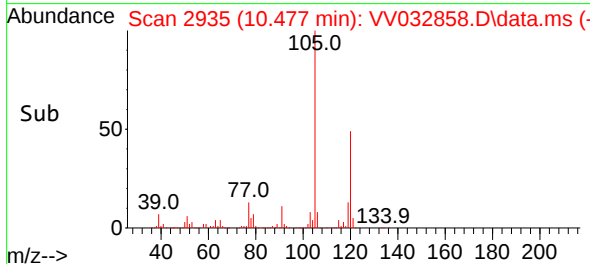
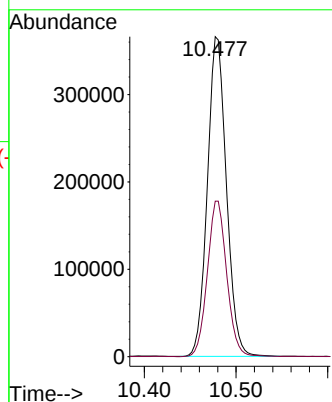
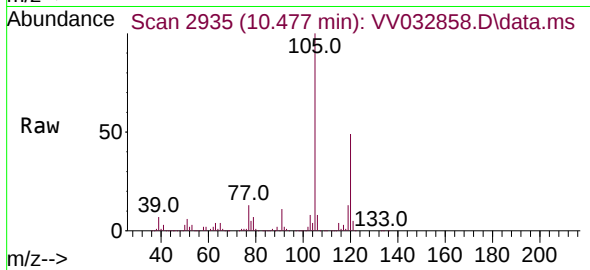




#62
1,3,5-Trimethylbenzene
Concen: 49.097 ug/L
RT: 10.477 min Scan# 2936
Delta R.T. -0.003 min
Lab File: VV032858.D
Acq: 06 Nov 2023 17:08

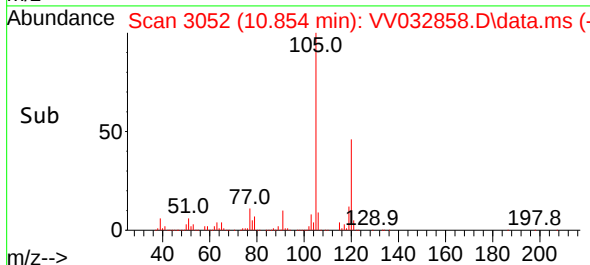
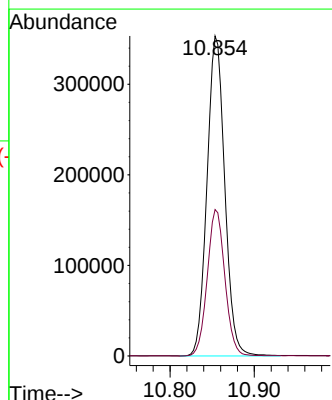
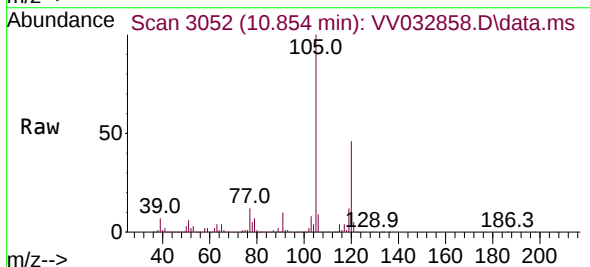
Instrument :
MSVOA_V
ClientSampleId :

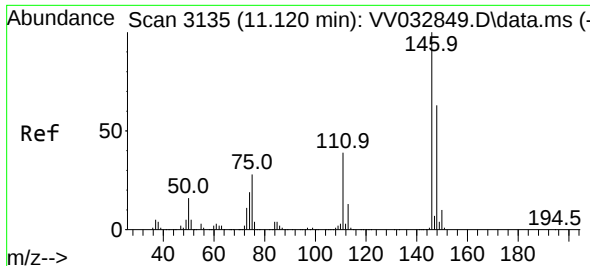
Tgt Ion:105 Resp: 527586
Ion Ratio Lower Upper
105 100
120 49.6 39.9 59.9



#63
1,2,4-Trimethylbenzene
Concen: 50.442 ug/L
RT: 10.854 min Scan# 3052
Delta R.T. 0.000 min
Lab File: VV032858.D
Acq: 06 Nov 2023 17:08

Tgt Ion:105 Resp: 518506
Ion Ratio Lower Upper
105 100
120 45.4 37.0 55.6

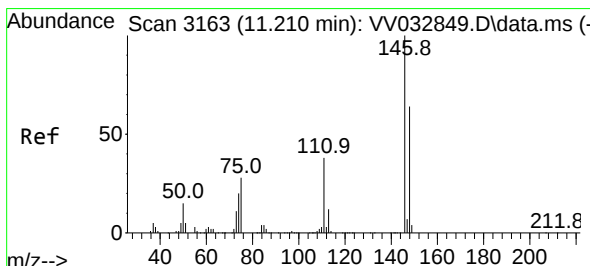
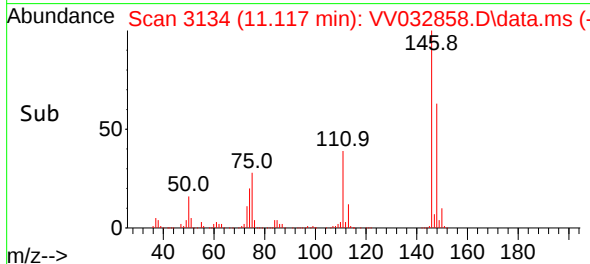
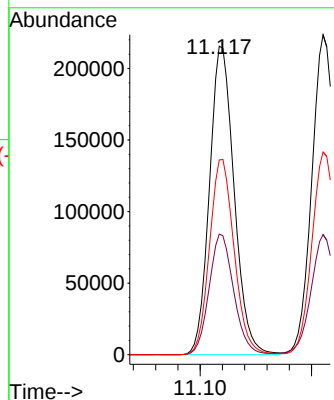
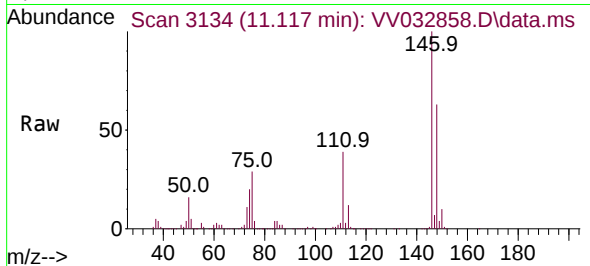




#64
1,3-Dichlorobenzene
Concen: 46.611 ug/L
RT: 11.117 min Scan# 3117
Delta R.T. -0.003 min
Lab File: VV032858.D
Acq: 06 Nov 2023 17:08

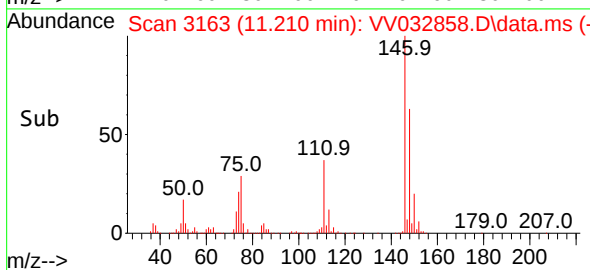
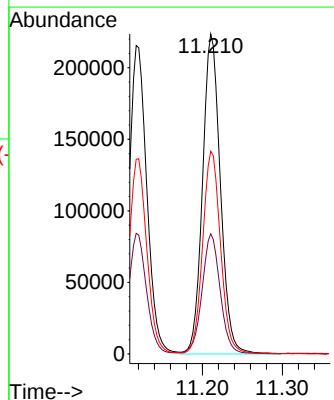
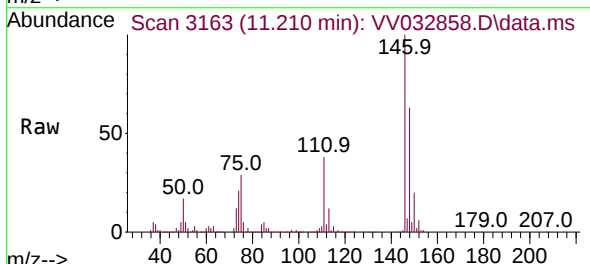
Instrument :
MSVOA_V
ClientSampleId :

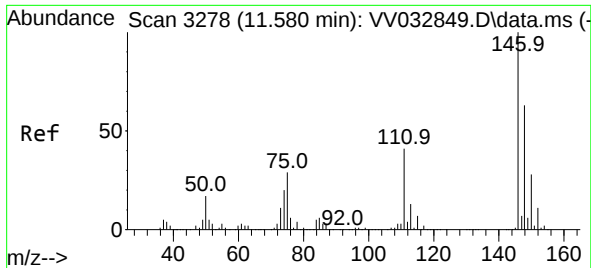
Tgt Ion:146 Resp: 331595
Ion Ratio Lower Upper
146 100
111 39.1 27.2 50.4
148 63.1 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 46.319 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VV032858.D
Acq: 06 Nov 2023 17:08

Tgt Ion:146 Resp: 347680
Ion Ratio Lower Upper
146 100
111 37.5 26.5 49.1
148 63.4 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 46.232 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032858.D

Acq: 06 Nov 2023 17:08

Instrument :

MSVOA_V

ClientSampleId :

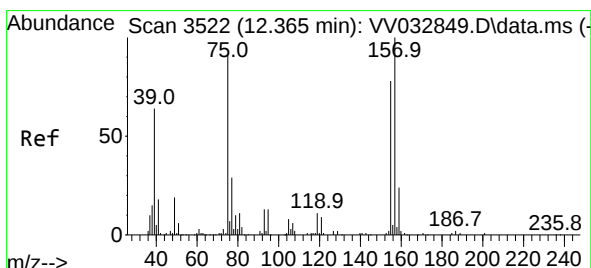
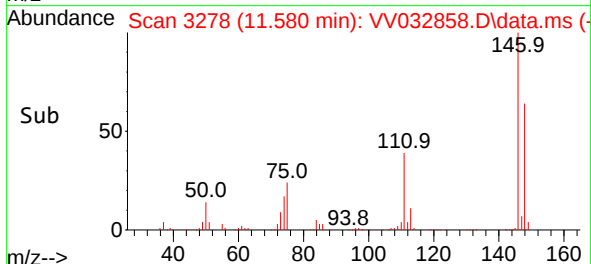
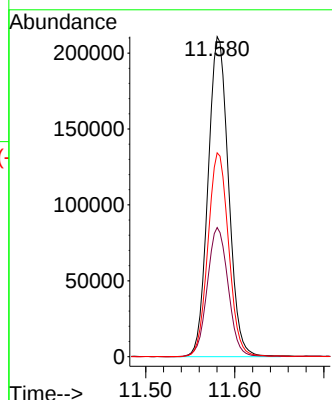
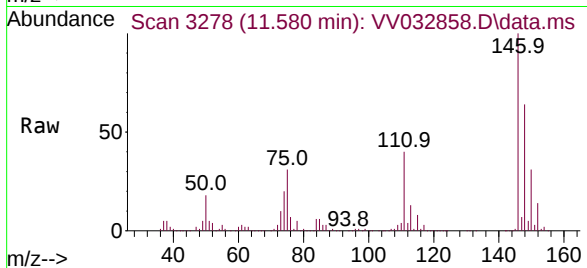
Tgt Ion:146 Resp: 335761

Ion Ratio Lower Upper

146 100

111 40.4 32.5 48.7

148 63.7 50.6 76.0



#68

1,2-Dibromo-3-chloropropane

Concen: 47.210 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.003 min

Lab File: VV032858.D

Acq: 06 Nov 2023 17:08

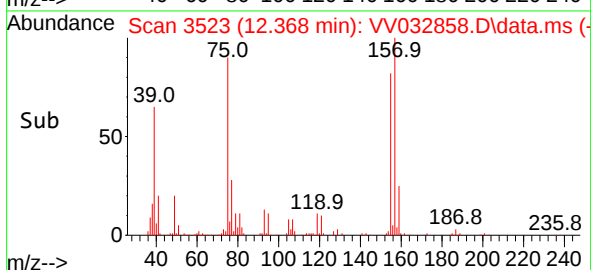
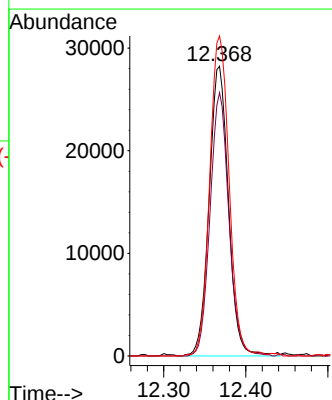
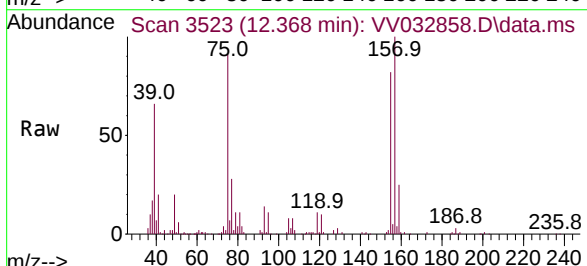
Tgt Ion: 75 Resp: 46212

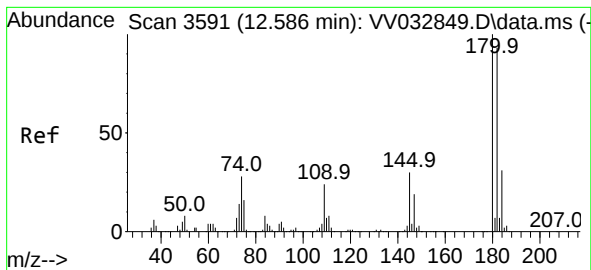
Ion Ratio Lower Upper

75 100

155 90.9 68.6 102.8

157 110.5 87.3 130.9





#69

1,3,5-Trichlorobenzene

Concen: 45.961 ug/L

RT: 12.583 min Scan# 3591

Delta R.T. -0.003 min

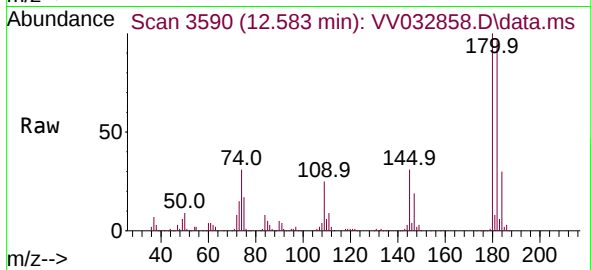
Lab File: VV032858.D

Acq: 06 Nov 2023 17:08

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 236044

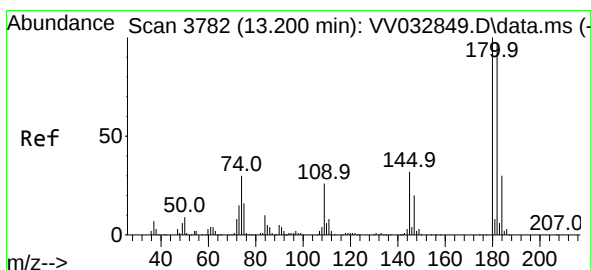
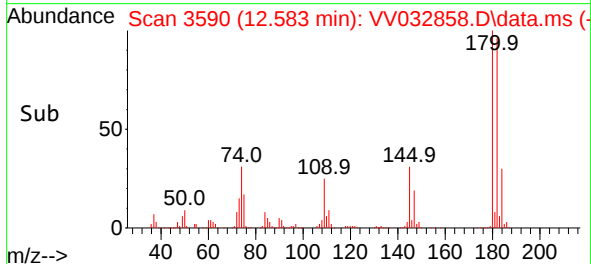
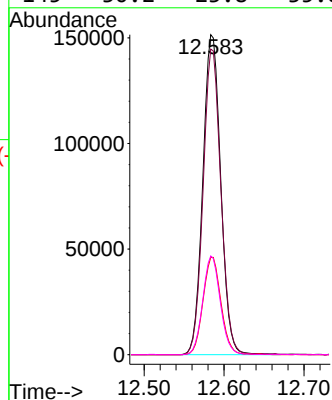
Ion Ratio Lower Upper

180 100

182 94.8 75.9 113.9

184 30.4 23.5 35.3

145 30.2 23.8 35.8



#70

1,2,4-trichlorobenzene

Concen: 47.301 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.000 min

Lab File: VV032858.D

Acq: 06 Nov 2023 17:08

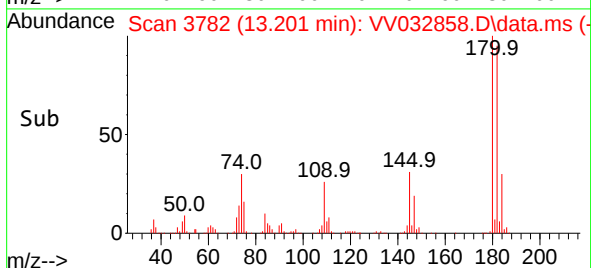
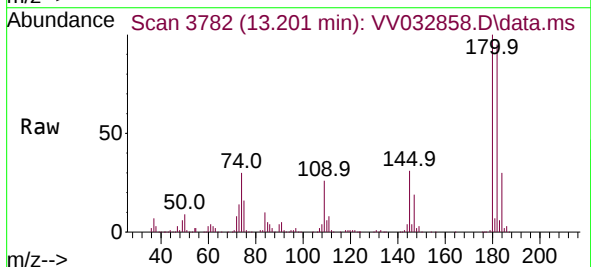
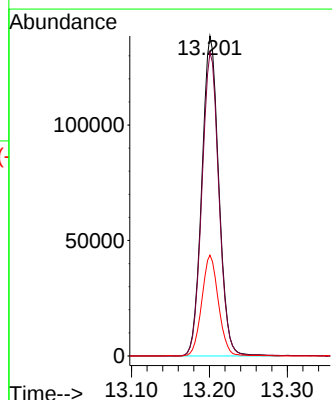
Tgt Ion:180 Resp: 210085

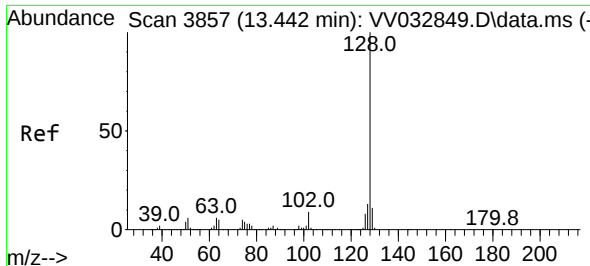
Ion Ratio Lower Upper

180 100

182 94.7 76.9 115.3

145 30.9 24.7 37.1

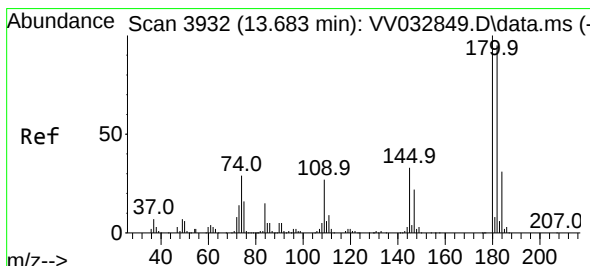
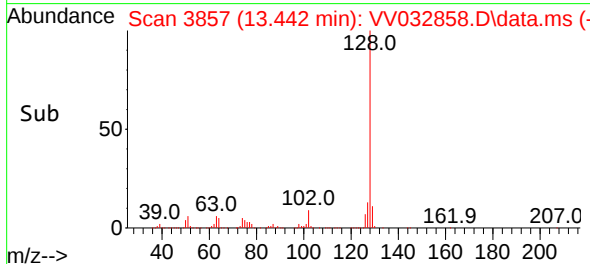
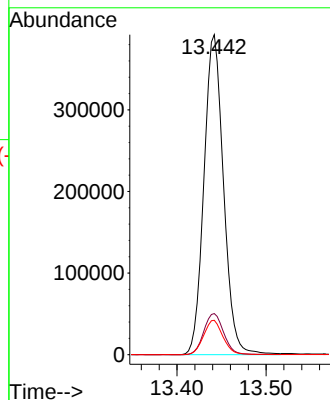
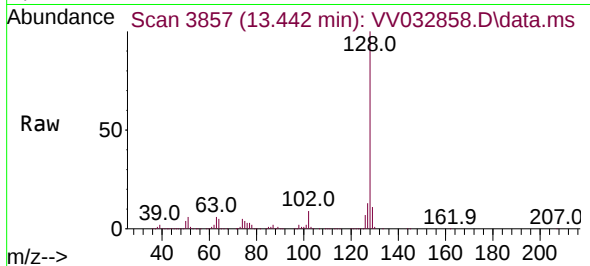




#71
Naphthalene
Concen: 53.983 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. 0.000 min
Lab File: VV032858.D
Acq: 06 Nov 2023 17:08

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 598741
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.6 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 50.095 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. 0.000 min
Lab File: VV032858.D
Acq: 06 Nov 2023 17:08

Tgt Ion:180 Resp: 222145
Ion Ratio Lower Upper
180 100
182 95.9 76.2 114.4
145 32.5 25.8 38.8

