

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071023\
 Data File : VW031665.D
 Acq On : 10 Jul 2023 14:31
 Operator : SY/MD
 Sample : 03551-05MS
 Misc : 7.06g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DCHB3MS

Quant Time: Jul 11 01:08:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 07 02:34:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	178137	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	184909	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	125197	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	38040	32.086	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.180%
7) Chloroethane-d5	1.510	69	17857	17.262	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	34.520%#
11) 1,1-Dichloroethene-d2	2.040	65	17218	28.179	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.360%#
21) 2-Butanone-d5	3.809	46	90817	94.603	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.600%
24) Chloroform-d	4.256	84	112810	37.994	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.980%
26) 1,2-Dichloroethane-d4	4.947	65	71742	38.619	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.240%
32) Benzene-d6	4.963	84	163663	31.445	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	62.880%#
36) 1,2-Dichloropropane-d6	5.995	67	62810	34.048	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	68.100%#
41) Toluene-d8	7.249	98	150072	31.421	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	62.840%#
43) trans-1,3-Dichloroprop...	7.561	79	31284	34.787	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.580%
47) 2-Hexanone-d5	8.053	63	62335	85.582	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.580%
56) 1,1,2,2-Tetrachloroeth...	10.165	84	112228	40.305	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.620%
66) 1,2-Dichlorobenzene-d4	11.571	152	75482	31.629	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	63.260%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	76656	40.569	ug/L	100
3) Chloromethane	1.214	50	82925	46.510	ug/L	96
5) Vinyl chloride	1.282	62	82719	46.801	ug/L	100
6) Bromomethane	1.471	94	29110	25.270	ug/L	95
8) Chloroethane	1.526	64	24908	21.819	ug/L	95
9) Trichlorofluoromethane	1.674	101	130035	44.223	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.050	101	67432	42.793	ug/L	96
12) 1,1-Dichloroethene	2.053	96	56116	42.574	ug/L #	81
13) Acetone	2.127	43	178526	188.464	ug/L	97
14) Carbon disulfide	2.224	76	166146	41.671	ug/L	100
15) Methyl Acetate	2.378	43	84421	52.933	ug/L	99
16) Methylene chloride	2.442	84	74003	44.782	ug/L	97
17) trans-1,2-Dichloroethene	2.687	96	58936	42.836	ug/L	95
18) Methyl tert-butyl Ether	2.716	73	216767	47.217	ug/L	98
19) 1,1-Dichloroethane	3.108	63	138182	46.534	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	67078	45.113	ug/L	96
22) 2-Butanone	3.889	43	120247	101.614	ug/L	87
23) Bromochloromethane	4.150	128	37762	46.983	ug/L	96
25) Chloroform	4.281	83	147816	47.885	ug/L	100

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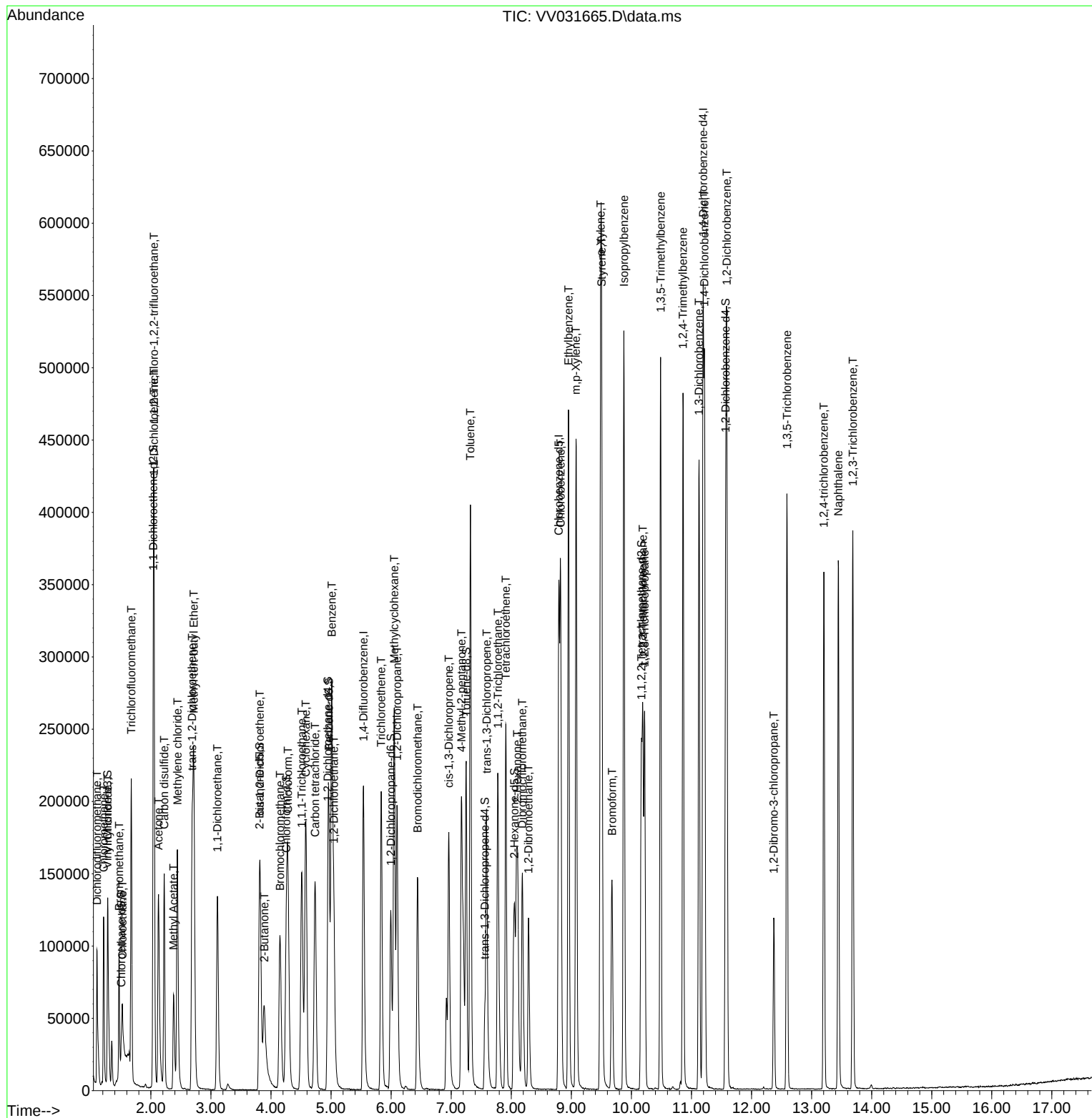
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	117792	49.442	ug/L	99
29) Cyclohexane	4.580	56	99979	41.559	ug/L	97
30) 1,1,1-Trichloroethane	4.513	97	130169	43.907	ug/L	98
31) Carbon tetrachloride	4.735	117	115576	43.999	ug/L	98
33) Benzene	5.011	78	279380	45.381	ug/L	100
34) Trichloroethene	5.834	95	76588	46.556	ug/L	97
35) Methylcyclohexane	6.053	83	99901	41.215	ug/L	97
37) 1,2-Dichloropropane	6.098	63	82164	45.450	ug/L	100
38) Bromodichloromethane	6.439	83	112137	45.892	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	120665	44.966	ug/L	99
40) 4-Methyl-2-pentanone	7.172	43	229108	107.932	ug/L	96
42) Toluene	7.320	91	294919	46.203	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	123248	47.162	ug/L	98
45) 1,1,2-Trichloroethane	7.776	97	80918	47.384	ug/L	96
46) Tetrachloroethene	7.908	164	54721	42.382	ug/L	97
48) 2-Hexanone	8.101	43	193562	114.175	ug/L #	46
49) Dibromochloromethane	8.185	129	90395	47.627	ug/L	98
50) 1,2-Dibromoethane	8.288	107	84445	46.440	ug/L	98
51) Chlorobenzene	8.821	112	188554	44.601	ug/L	99
52) Ethylbenzene	8.953	91	321627	45.157	ug/L	98
53) m,p-Xylene	9.079	106	120624	46.246	ug/L	98
54) o-Xylene	9.487	106	111543	45.064	ug/L	97
55) Styrene	9.506	104	225471	51.005	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.191	83	127881	45.831	ug/L	98
59) Bromoform	9.677	173	74511	48.013	ug/L #	96
60) Isopropylbenzene	9.876	105	322342	40.386	ug/L	99
61) 1,2,3-Trichloropropane	10.220	75	108923	44.048	ug/L	98
62) 1,3,5-Trimethylbenzene	10.487	105	264534	40.101	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	250581	40.768	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	165858	41.448	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	180638	42.362	ug/L	98
67) 1,2-Dichlorobenzene	11.587	146	169302	41.919	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	30844	42.025	ug/L	95
69) 1,3,5-Trichlorobenzene	12.590	180	118281	38.792	ug/L	100
70) 1,2,4-trichlorobenzene	13.204	180	102049	38.182	ug/L	99
71) Naphthalene	13.445	128	262166	38.726	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	106742	38.433	ug/L	96

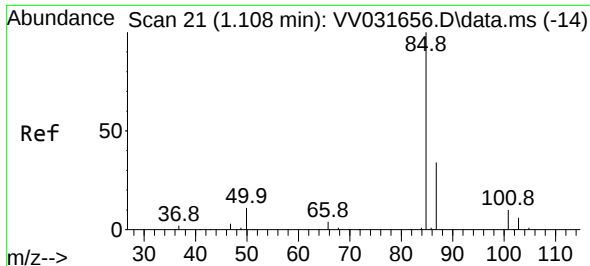
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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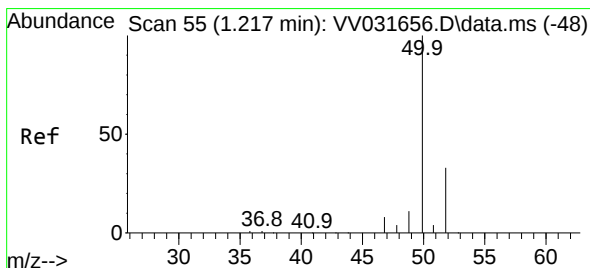
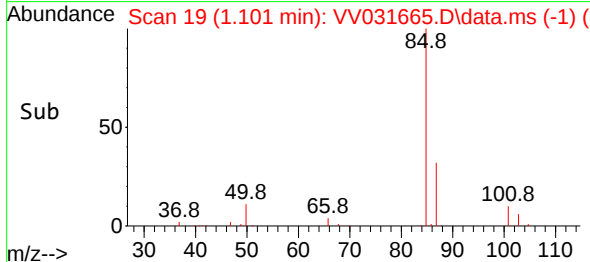
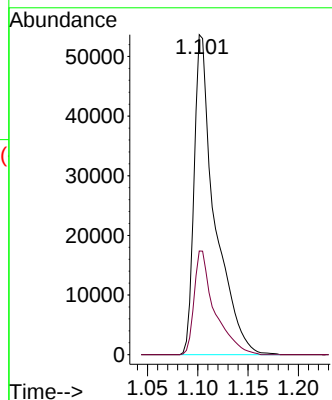
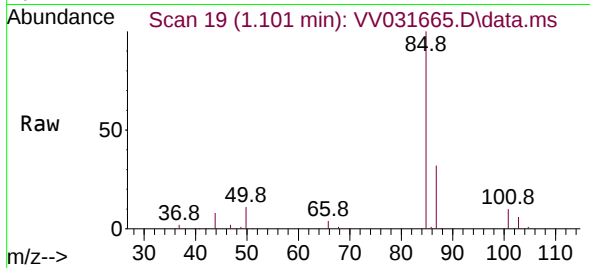




#2
 Dichlorodifluoromethane
 Concen: 40.569 ug/L
 RT: 1.101 min Scan# 19
 Delta R.T. -0.006 min
 Lab File: VV031665.D
 Acq: 10 Jul 2023 14:31

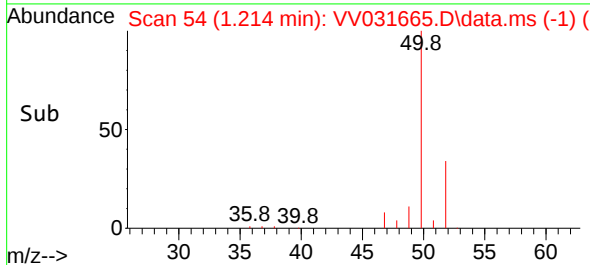
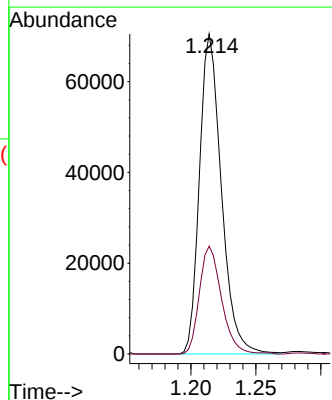
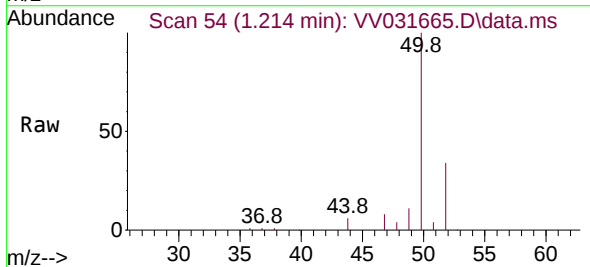
Instrument :
 MSVOA_V
 ClientSampleId :
 DCHB3MS

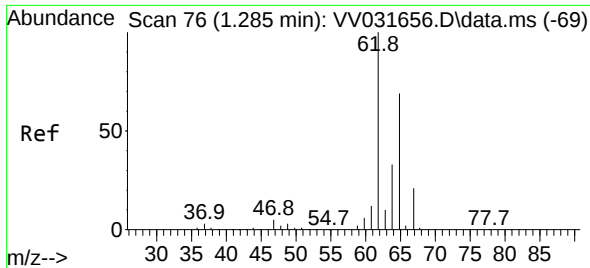
Tgt Ion: 85 Resp: 76656
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.5 38.3



#3
 Chloromethane
 Concen: 46.510 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV031665.D
 Acq: 10 Jul 2023 14:31

Tgt Ion: 50 Resp: 82925
 Ion Ratio Lower Upper
 50 100
 52 34.1 22.3 41.5

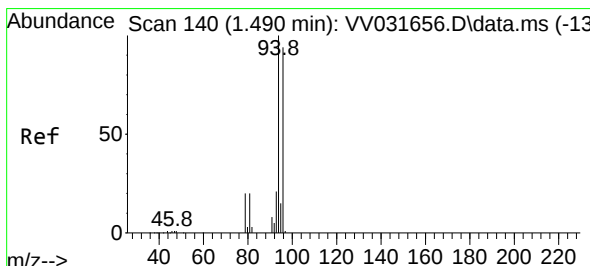
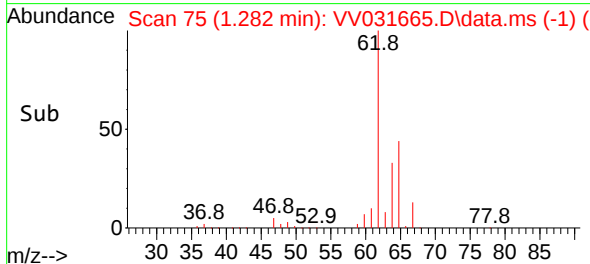
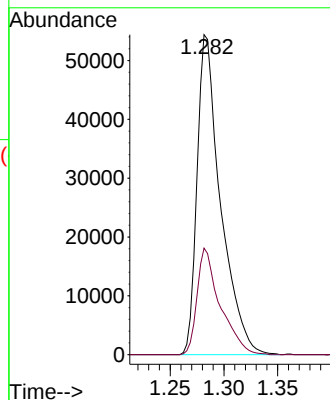
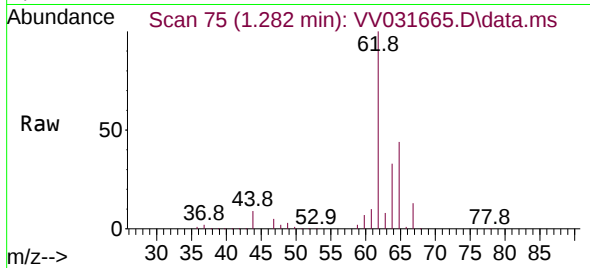




#5
 Vinyl chloride
 Concen: 46.801 ug/L
 RT: 1.282 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VV031665.D
 Acq: 10 Jul 2023 14:31

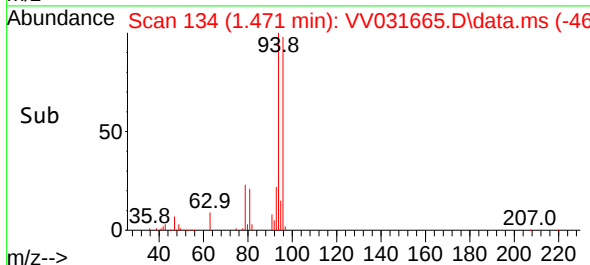
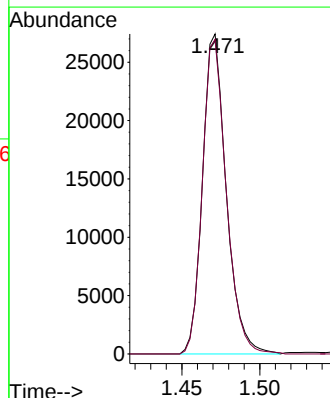
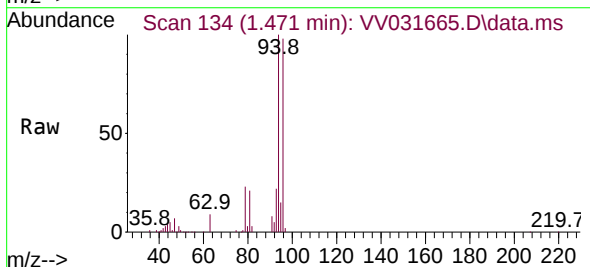
Instrument :
 MSVOA_V
 ClientSampleId :
 DCHB3MS

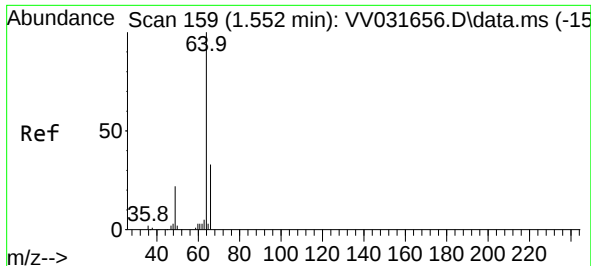
Tgt Ion: 62 Resp: 82719
 Ion Ratio Lower Upper
 62 100
 64 33.3 23.4 43.4



#6
 Bromomethane
 Concen: 25.270 ug/L
 RT: 1.471 min Scan# 134
 Delta R.T. -0.016 min
 Lab File: VV031665.D
 Acq: 10 Jul 2023 14:31

Tgt Ion: 94 Resp: 29110
 Ion Ratio Lower Upper
 94 100
 96 98.3 65.4 121.4

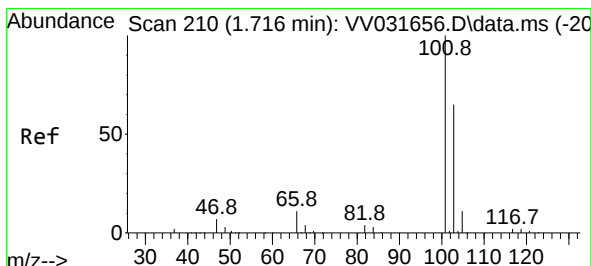
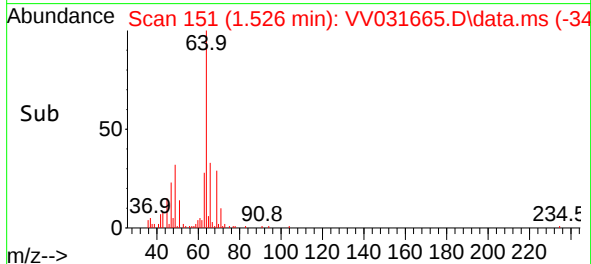
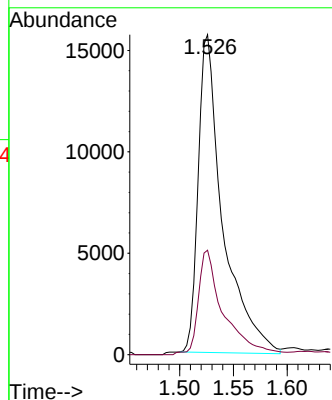
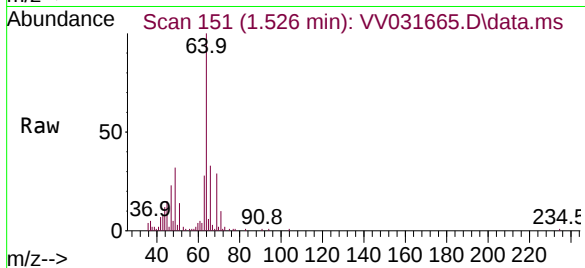




#8
Chloroethane
Concen: 21.819 ug/L
RT: 1.526 min Scan# 11
Delta R.T. -0.022 min
Lab File: VV031665.D
Acq: 10 Jul 2023 14:31

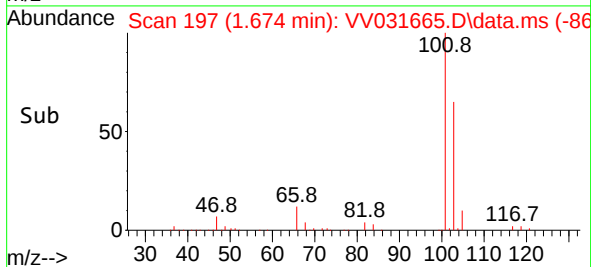
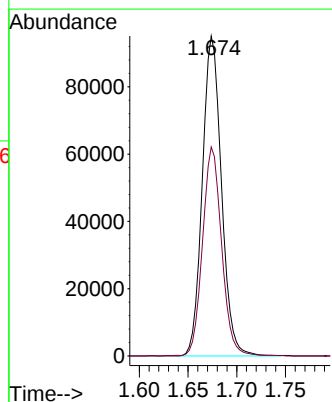
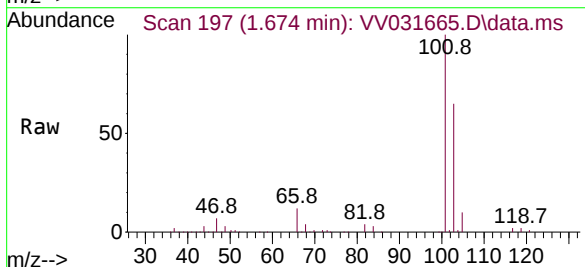
Instrument :
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DCHB3MS

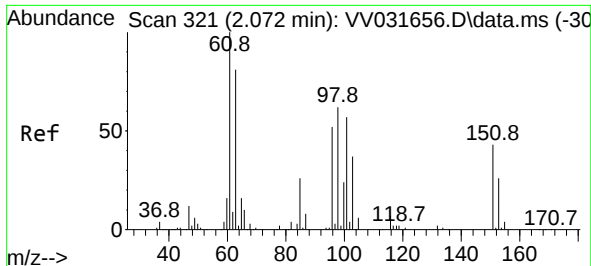
Tgt Ion: 64 Resp: 24908
Ion Ratio Lower Upper
64 100
66 32.7 21.0 39.0



#9
Trichlorofluoromethane
Concen: 44.223 ug/L
RT: 1.674 min Scan# 197
Delta R.T. -0.042 min
Lab File: VV031665.D
Acq: 10 Jul 2023 14:31

Tgt Ion:101 Resp: 130035
Ion Ratio Lower Upper
101 100
103 64.6 50.9 76.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 42.793 ug/L

RT: 2.050 min Scan# 314

Delta R.T. -0.019 min

Lab File: VV031665.D

Acq: 10 Jul 2023 14:31

Instrument :

MSVOA_V

ClientSampleId :

DCHB3MS

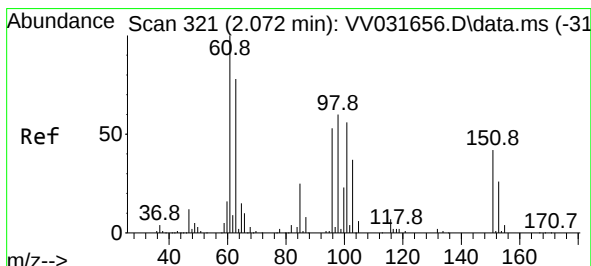
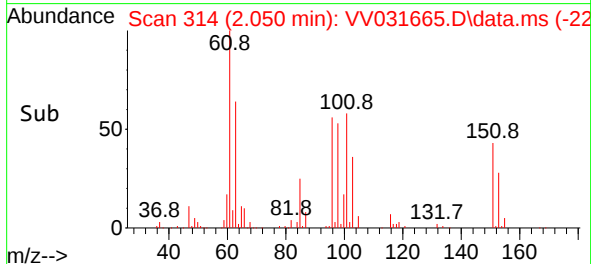
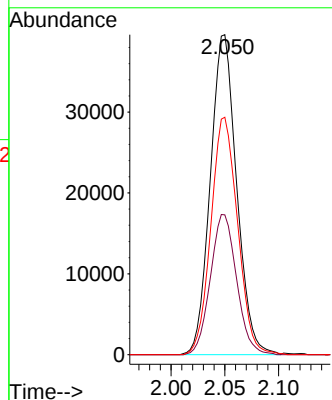
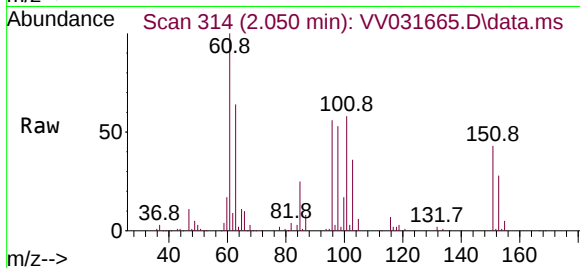
Tgt Ion:101 Resp: 67432

Ion Ratio Lower Upper

101 100

85 43.5 37.4 56.0

151 75.2 62.3 93.5



#12

1,1-Dichloroethene

Concen: 42.574 ug/L

RT: 2.053 min Scan# 315

Delta R.T. -0.019 min

Lab File: VV031665.D

Acq: 10 Jul 2023 14:31

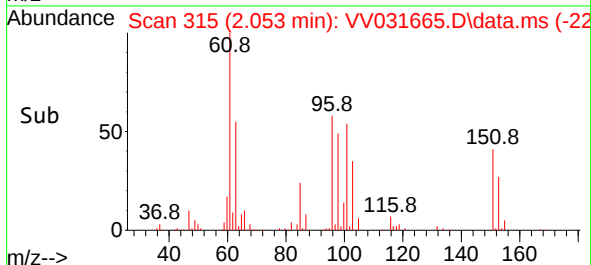
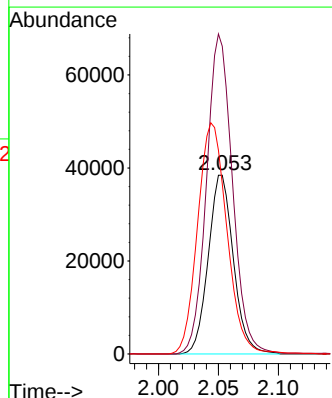
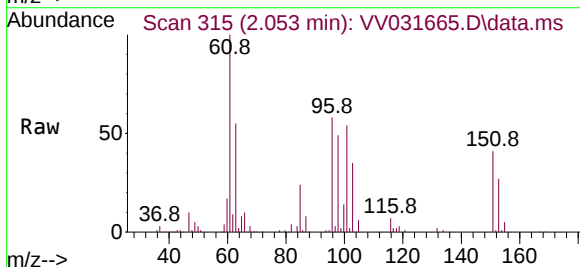
Tgt Ion: 96 Resp: 56116

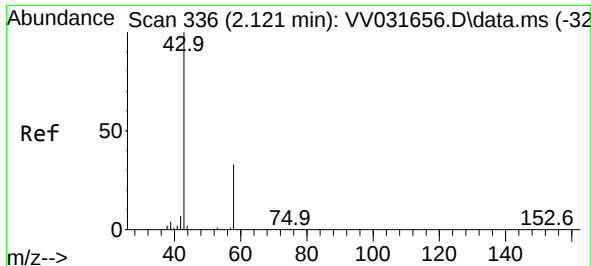
Ion Ratio Lower Upper

96 100

61 172.1 128.9 239.5

63 95.2 95.3 177.1#





#13

Acetone

Concen: 188.464 ug/L

RT: 2.127 min Scan# 31

Delta R.T. 0.013 min

Lab File: VV031665.D

Acq: 10 Jul 2023 14:31

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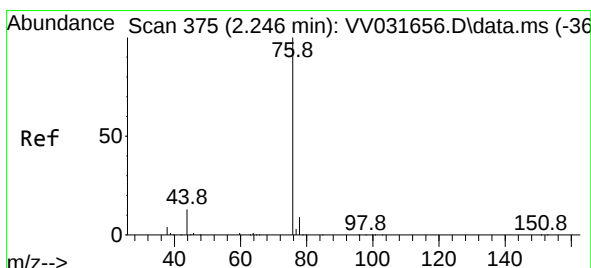
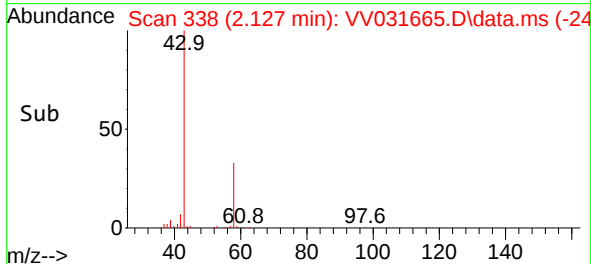
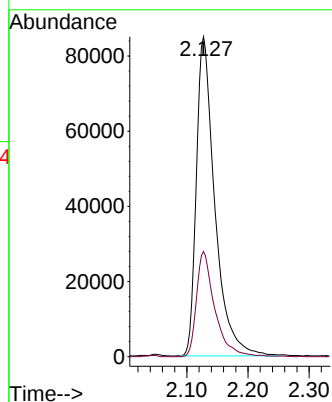
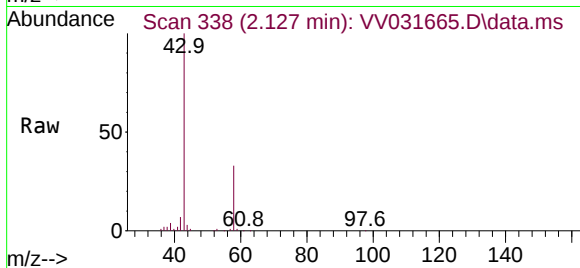
DCHB3MS

Tgt Ion: 43 Resp: 178526

Ion Ratio Lower Upper

43 100

58 32.4 0.0 68.6



#14

Carbon disulfide

Concen: 41.671 ug/L

RT: 2.224 min Scan# 368

Delta R.T. -0.019 min

Lab File: VV031665.D

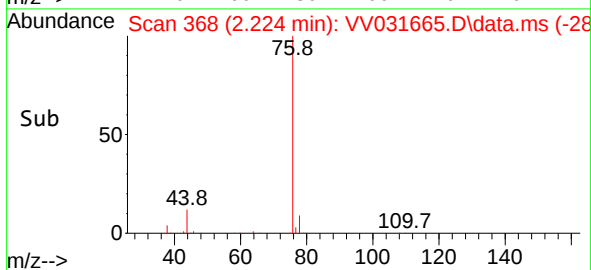
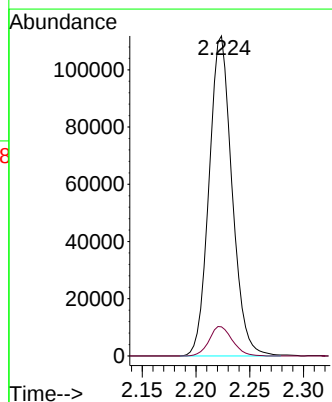
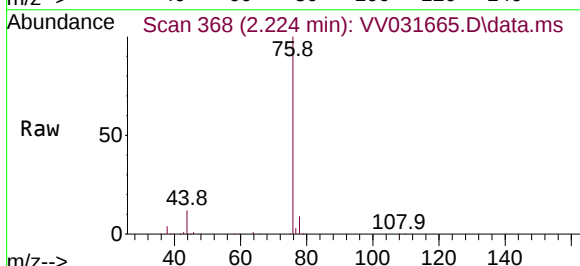
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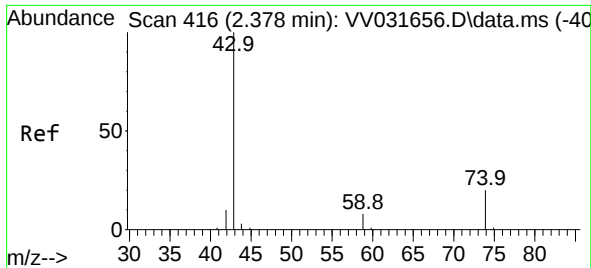
Tgt Ion: 76 Resp: 166146

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7

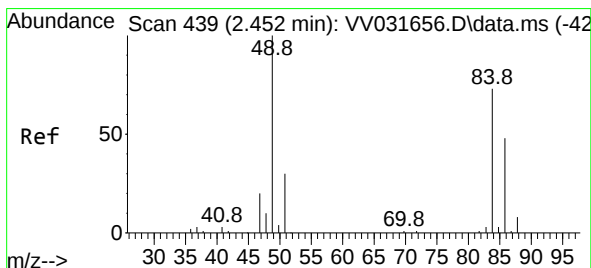
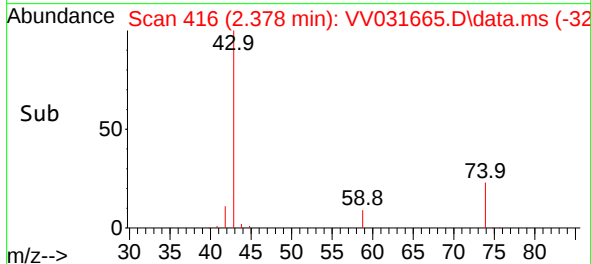
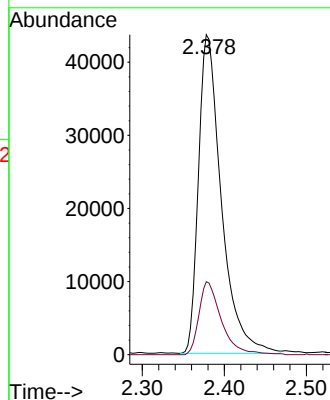
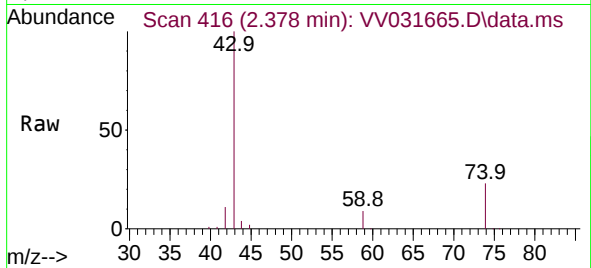




#15
Methyl Acetate
Concen: 52.933 ug/L
RT: 2.378 min Scan# 416
Delta R.T. 0.003 min
Lab File: VV031665.D
Acq: 10 Jul 2023 14:31

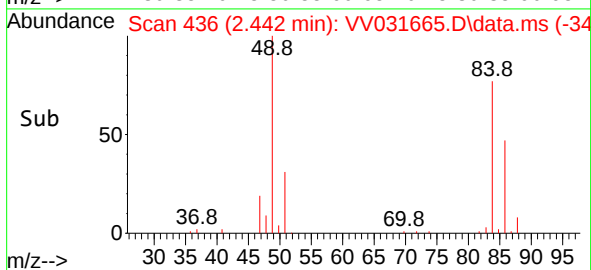
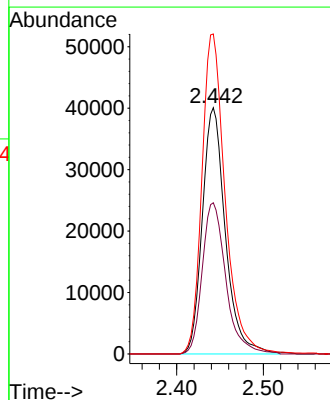
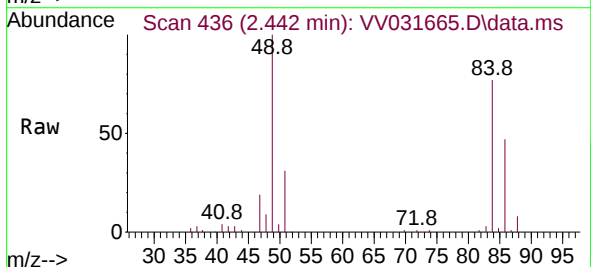
Instrument :
MSVOA_V
ClientSampleId :
DCHB3MS

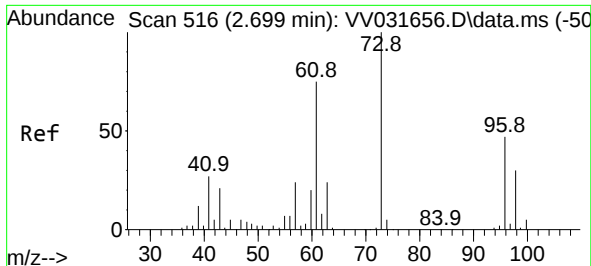
Tgt Ion: 43 Resp: 84421
Ion Ratio Lower Upper
43 100
74 21.8 17.8 26.6



#16
Methylene chloride
Concen: 44.782 ug/L
RT: 2.442 min Scan# 436
Delta R.T. -0.006 min
Lab File: VV031665.D
Acq: 10 Jul 2023 14:31

Tgt Ion: 84 Resp: 74003
Ion Ratio Lower Upper
84 100
86 61.4 45.8 85.0
49 129.9 92.1 171.1





#17

trans-1,2-Dichloroethene

Concen: 42.836 ug/L

RT: 2.687 min Scan# 516

Delta R.T. -0.010 min

Lab File: VV031665.D

Acq: 10 Jul 2023 14:31

Instrument :

MSVOA_V

ClientSampleId :

DCHB3MS

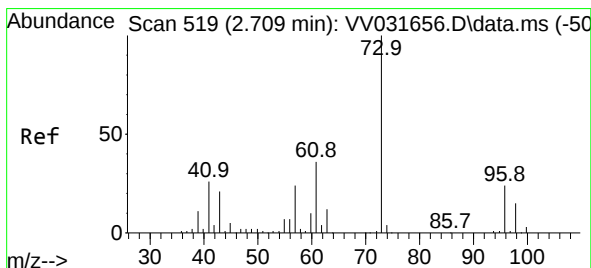
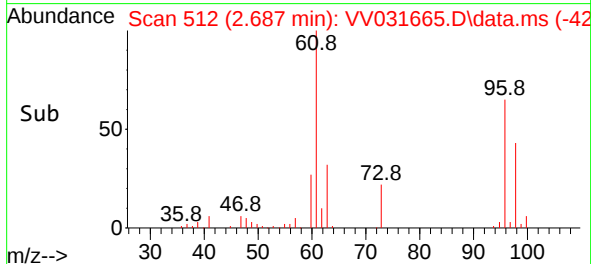
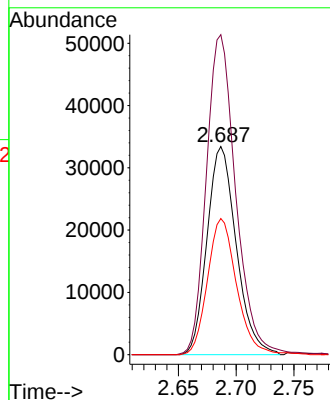
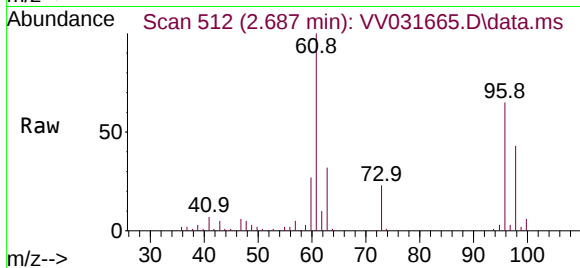
Tgt Ion: 96 Resp: 58936

Ion Ratio Lower Upper

96 100

61 153.7 102.5 190.3

98 65.4 44.1 81.9



#18

Methyl tert-butyl Ether

Concen: 47.217 ug/L

RT: 2.716 min Scan# 521

Delta R.T. 0.007 min

Lab File: VV031665.D

Acq: 10 Jul 2023 14:31

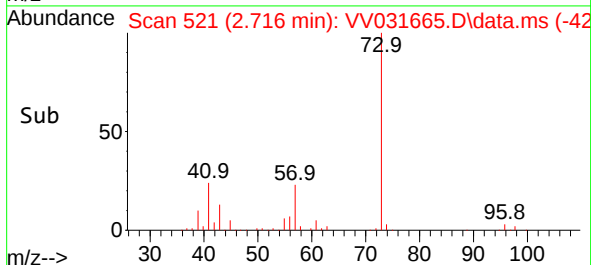
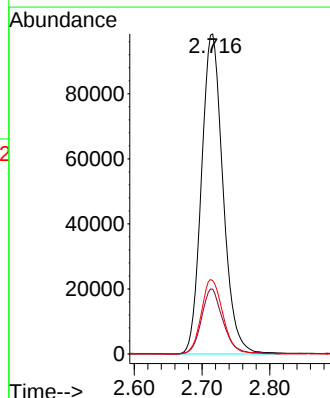
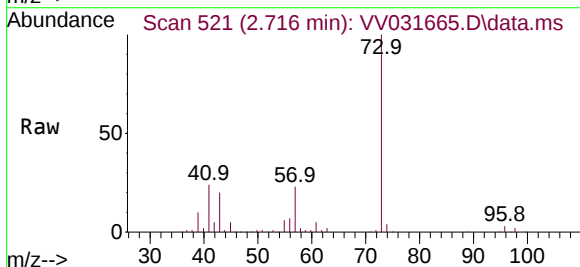
Tgt Ion: 73 Resp: 216767

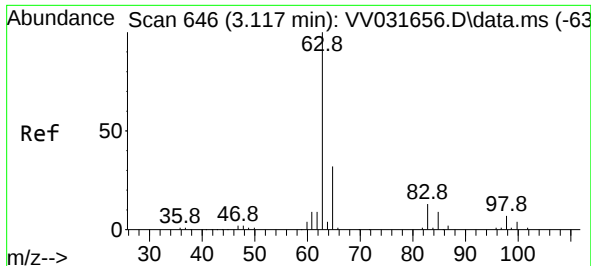
Ion Ratio Lower Upper

73 100

43 20.2 15.0 22.4

57 23.4 18.2 27.4





#19

1,1-Dichloroethane

Concen: 46.534 ug/L

RT: 3.108 min Scan# 64

Delta R.T. -0.006 min

Lab File: VV031665.D

Acq: 10 Jul 2023 14:31

Instrument :

MSVOA_V

ClientSampleId :

DCHB3MS

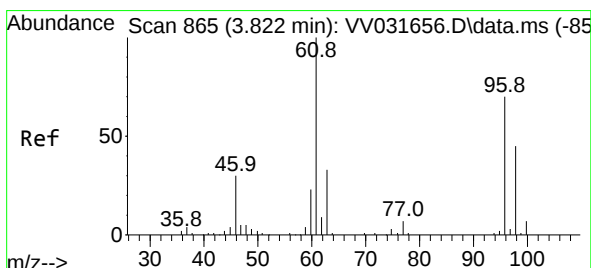
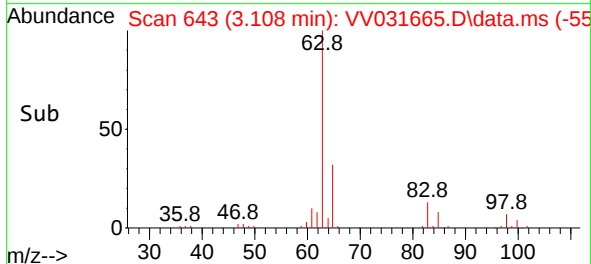
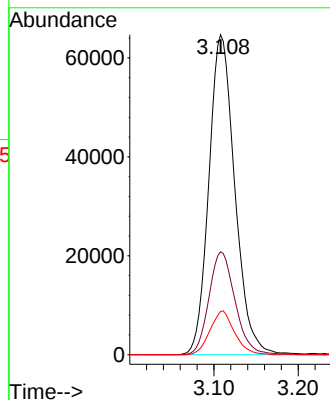
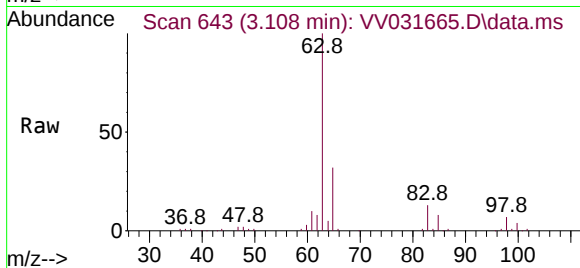
Tgt Ion: 63 Resp: 138182

Ion Ratio Lower Upper

63 100

65 32.1 22.5 41.7

83 13.5 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 45.113 ug/L

RT: 3.815 min Scan# 863

Delta R.T. -0.003 min

Lab File: VV031665.D

Acq: 10 Jul 2023 14:31

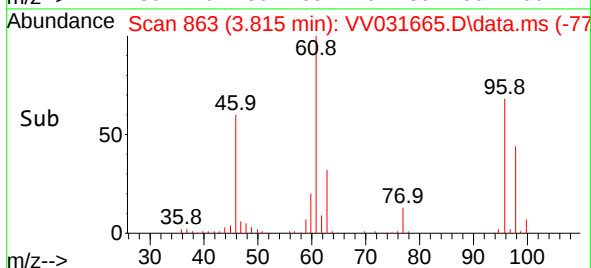
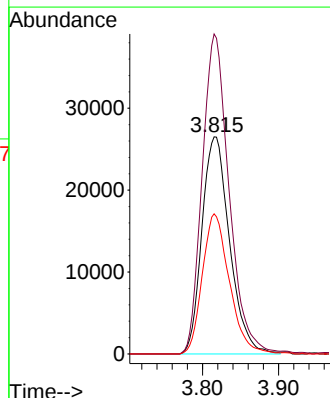
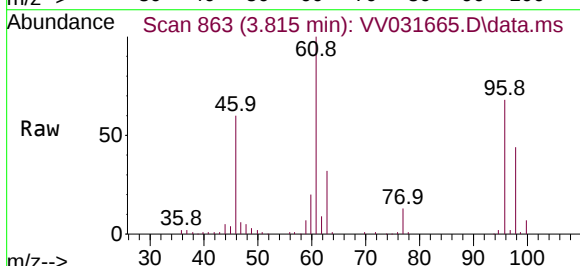
Tgt Ion: 96 Resp: 67078

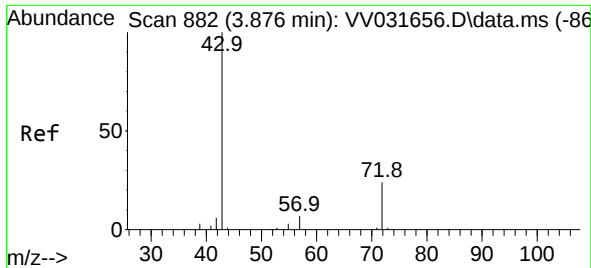
Ion Ratio Lower Upper

96 100

61 147.4 98.6 183.0

98 66.7 45.7 84.9

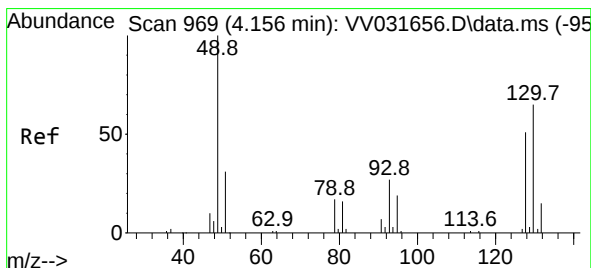
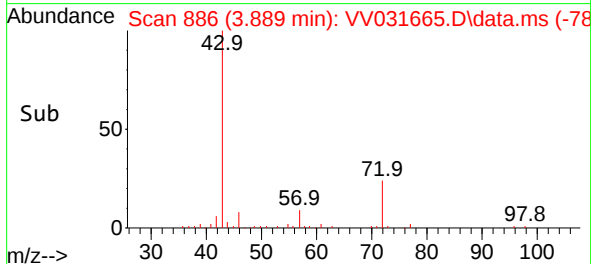
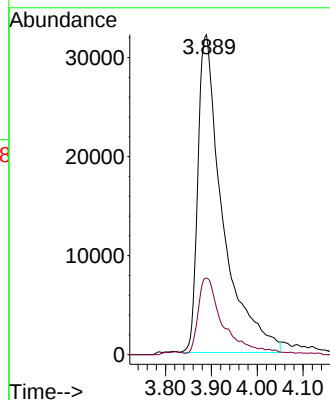
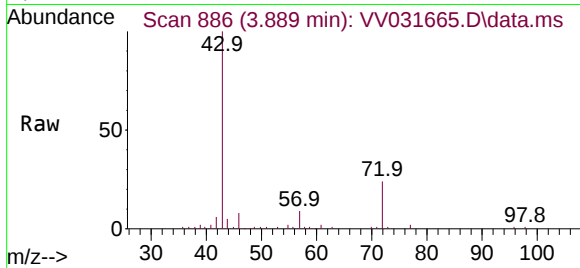




#22
2-Butanone
Concen: 101.614 ug/L
RT: 3.889 min Scan# 882
Delta R.T. 0.019 min
Lab File: VV031665.D
Acq: 10 Jul 2023 14:31

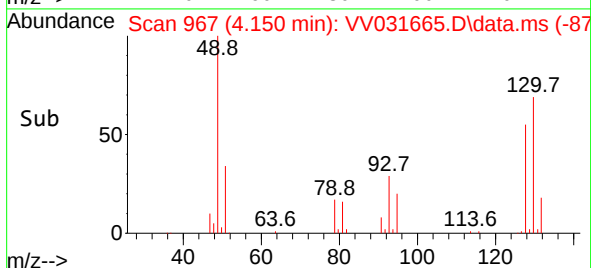
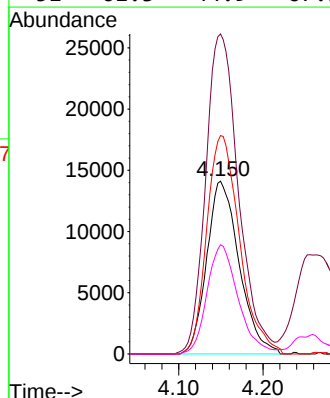
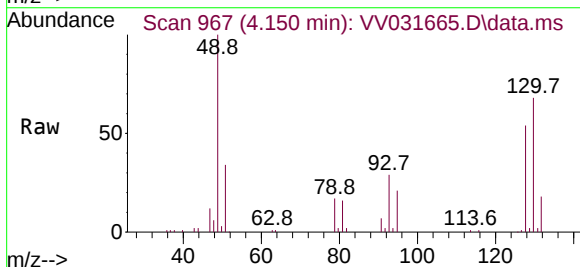
Instrument :
MSVOA_V
ClientSampleId :
DCHB3MS

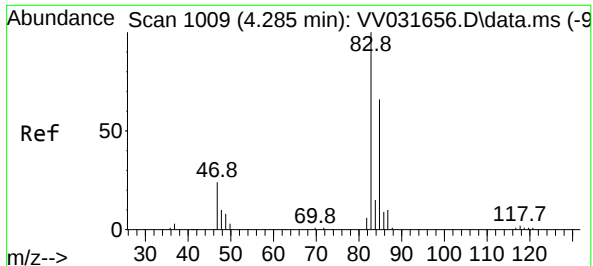
Tgt Ion: 43 Resp: 120247
Ion Ratio Lower Upper
43 100
72 18.1 12.2 36.4



#23
Bromochloromethane
Concen: 46.983 ug/L
RT: 4.150 min Scan# 967
Delta R.T. -0.003 min
Lab File: VV031665.D
Acq: 10 Jul 2023 14:31

Tgt Ion:128 Resp: 37762
Ion Ratio Lower Upper
128 100
49 177.4 120.6 224.0
130 121.0 88.1 163.7
51 61.3 44.9 67.3





#25

Chloroform

Concen: 47.885 ug/L

RT: 4.281 min Scan# 1009

Delta R.T. 0.000 min

Lab File: VV031665.D

Acq: 10 Jul 2023 14:31

Instrument :

MSVOA_V

ClientSampleId :

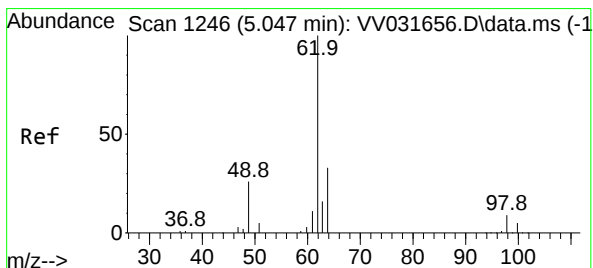
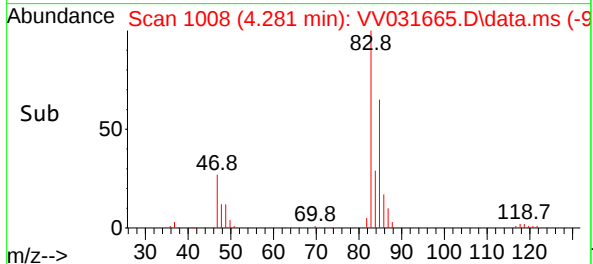
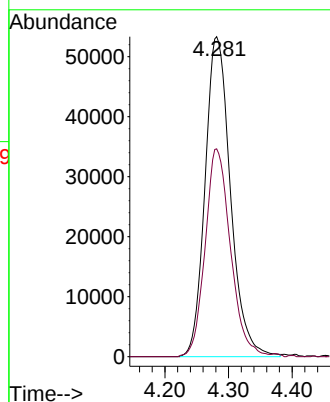
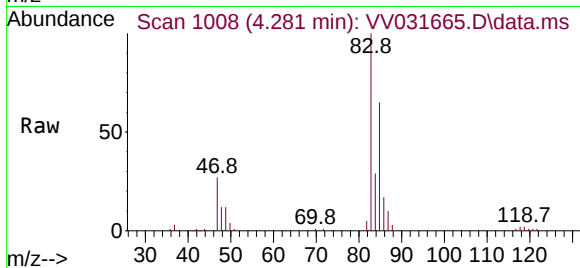
DCHB3MS

Tgt Ion: 83 Resp: 147816

Ion Ratio Lower Upper

83 100

85 65.0 45.3 84.1



#27

1,2-Dichloroethane

Concen: 49.442 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.003 min

Lab File: VV031665.D

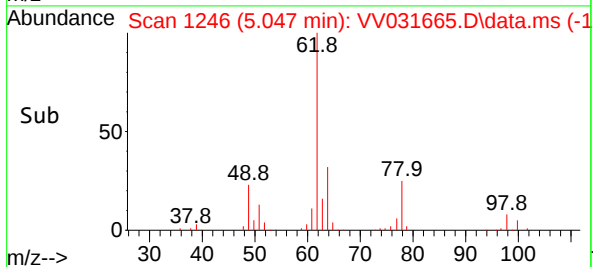
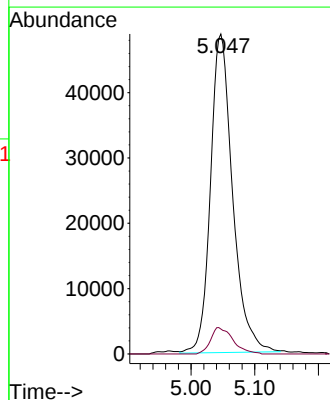
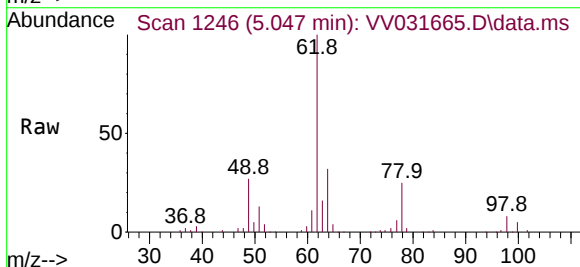
Acq: 10 Jul 2023 14:31

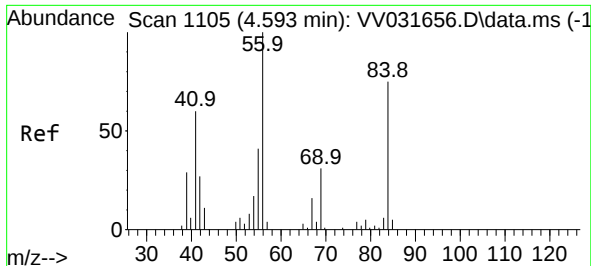
Tgt Ion: 62 Resp: 117792

Ion Ratio Lower Upper

62 100

98 7.8 6.6 9.8

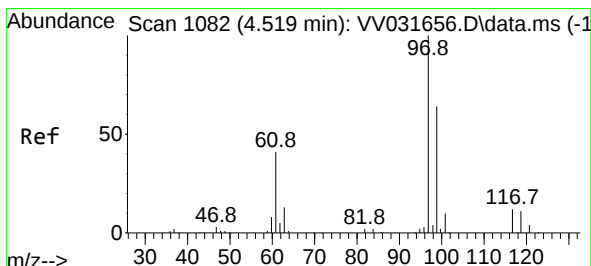
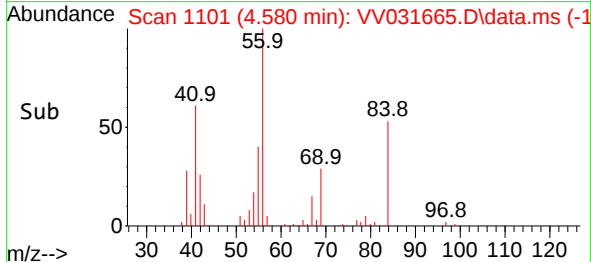
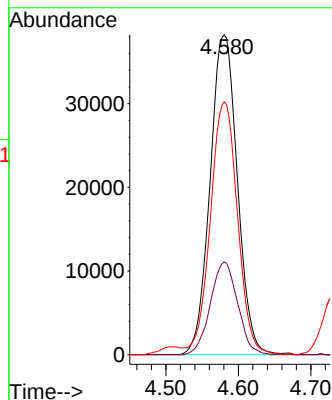
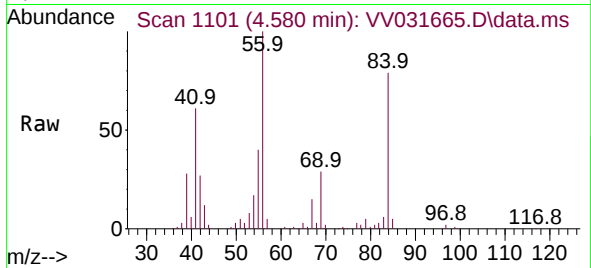




#29
Cyclohexane
Concen: 41.559 ug/L
RT: 4.580 min Scan# 1105
Delta R.T. -0.006 min
Lab File: VV031665.D
Acq: 10 Jul 2023 14:31

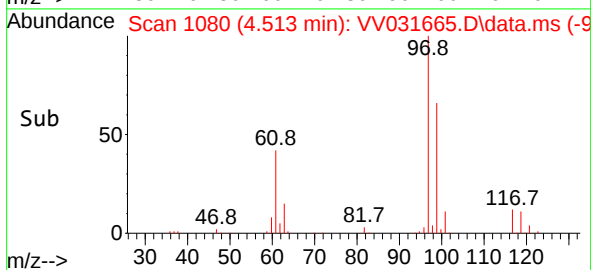
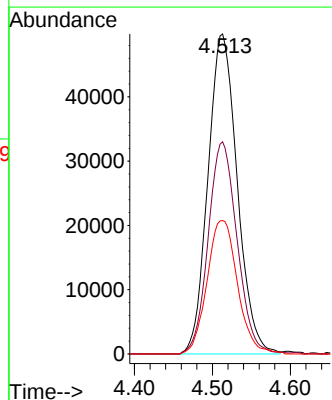
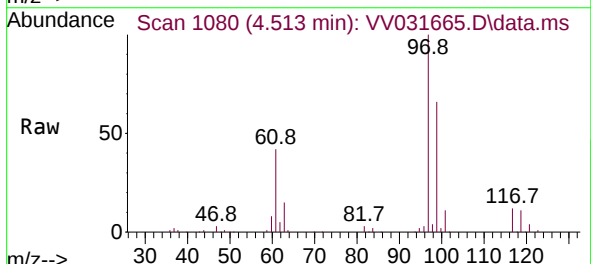
Instrument :
MSVOA_V
ClientSampleId :
DCHB3MS

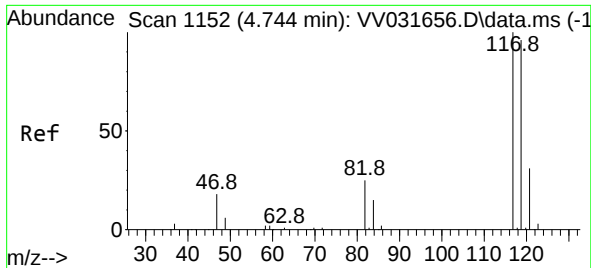
Tgt Ion: 56 Resp: 99979
Ion Ratio Lower Upper
56 100
69 29.0 24.3 36.5
84 78.4 65.0 97.6



#30
1,1,1-Trichloroethane
Concen: 43.907 ug/L
RT: 4.513 min Scan# 1080
Delta R.T. -0.003 min
Lab File: VV031665.D
Acq: 10 Jul 2023 14:31

Tgt Ion: 97 Resp: 130169
Ion Ratio Lower Upper
97 100
99 65.3 51.8 77.6
61 43.3 33.0 49.6

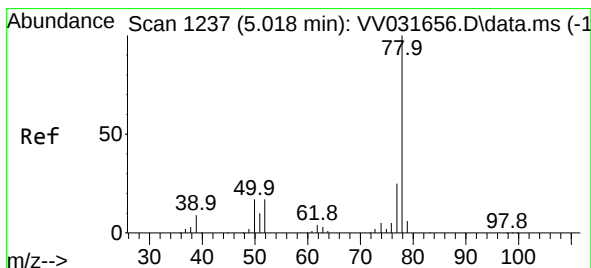
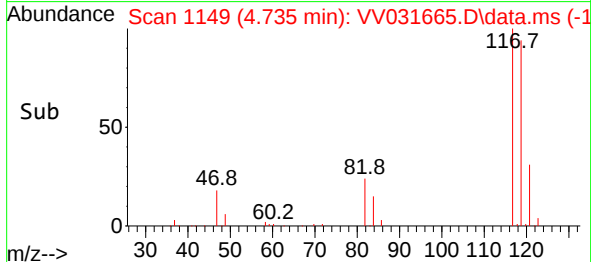
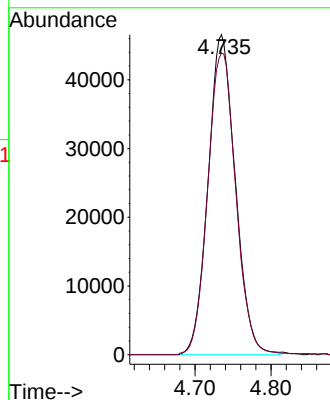
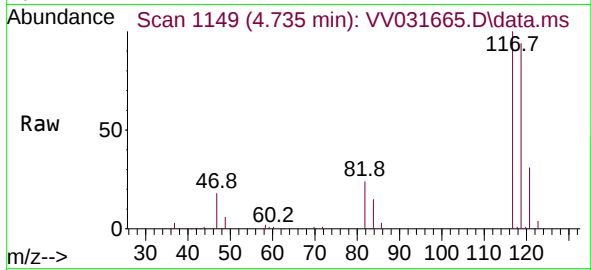




#31
Carbon tetrachloride
Concen: 43.999 ug/L
RT: 4.735 min Scan# 1152
Delta R.T. -0.006 min
Lab File: VV031665.D
Acq: 10 Jul 2023 14:31

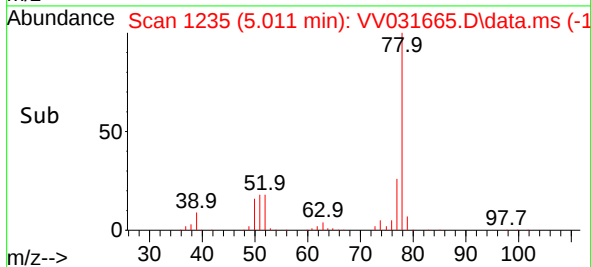
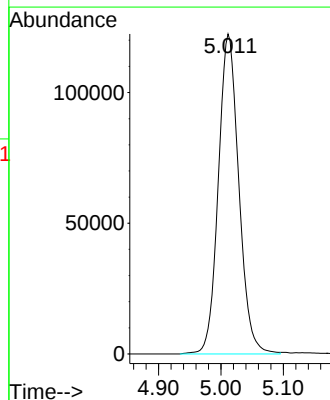
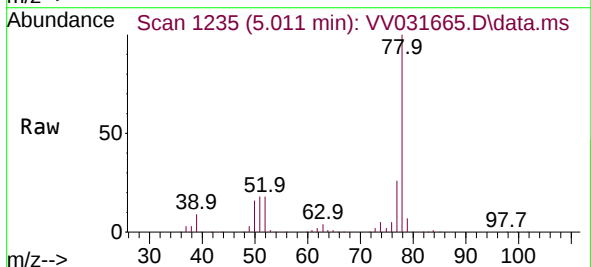
Instrument :
MSVOA_V
ClientSampleId :
DCHB3MS

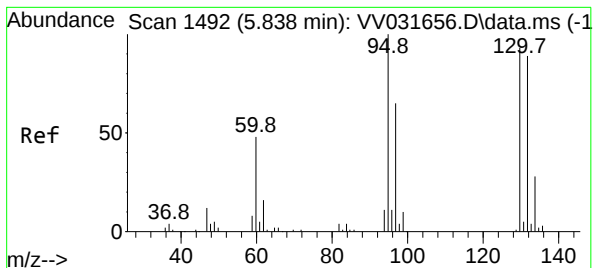
Tgt Ion:117 Resp: 115576
Ion Ratio Lower Upper
117 100
119 97.6 76.2 114.4



#33
Benzene
Concen: 45.381 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. -0.003 min
Lab File: VV031665.D
Acq: 10 Jul 2023 14:31

Tgt Ion: 78 Resp: 279380





#34

Trichloroethene

Concen: 46.556 ug/L

RT: 5.834 min Scan# 1492

Delta R.T. -0.003 min

Lab File: VV031665.D

Acq: 10 Jul 2023 14:31

Instrument :

MSVOA_V

ClientSampleId :

DCHB3MS

Tgt Ion: 95 Resp: 76588

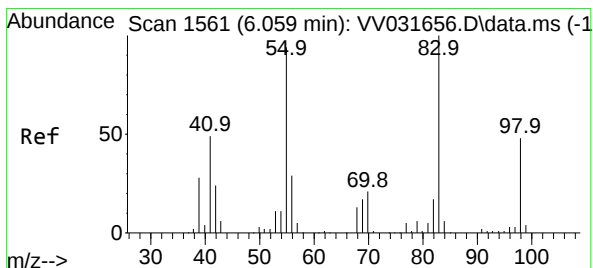
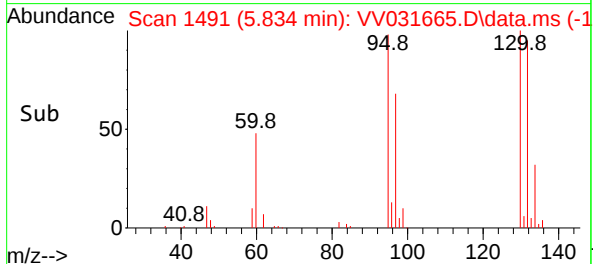
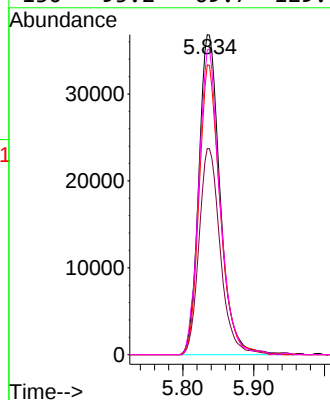
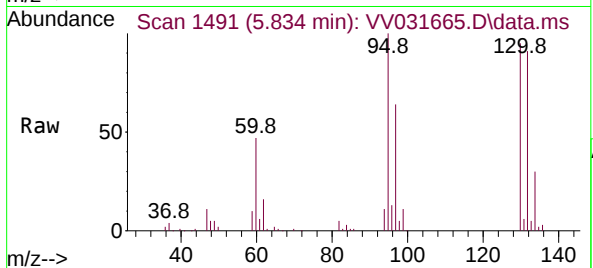
Ion Ratio Lower Upper

95 100

97 64.4 46.8 86.8

132 95.1 66.4 123.2

130 95.2 69.7 129.4



#35

Methylcyclohexane

Concen: 41.215 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. -0.003 min

Lab File: VV031665.D

Acq: 10 Jul 2023 14:31

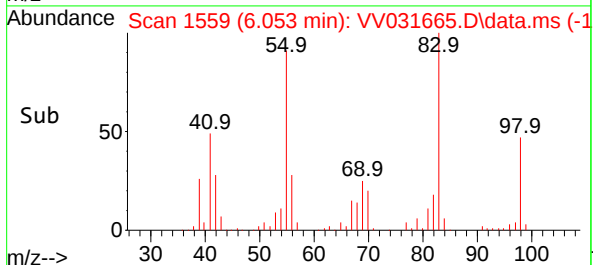
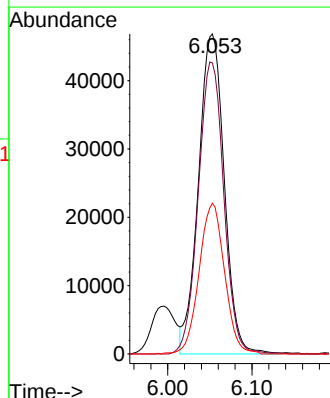
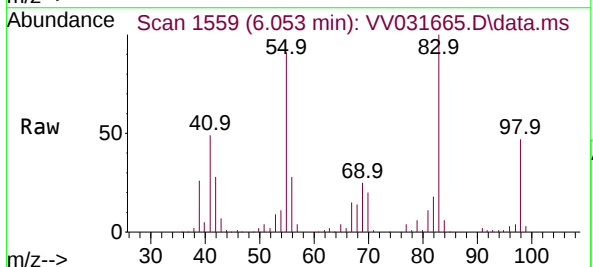
Tgt Ion: 83 Resp: 99901

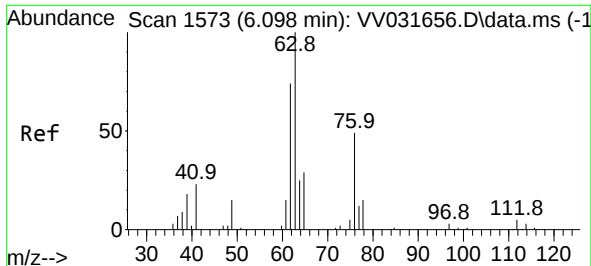
Ion Ratio Lower Upper

83 100

55 89.9 68.7 103.1

98 46.4 37.0 55.4





#37

1,2-Dichloropropane

Concen: 45.450 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV031665.D

Acq: 10 Jul 2023 14:31

Instrument :

MSVOA_V

ClientSampleId :

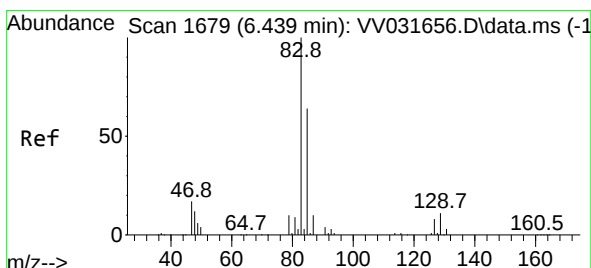
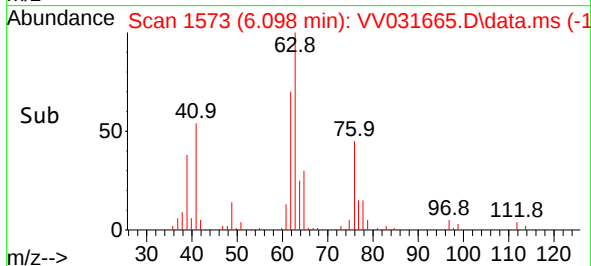
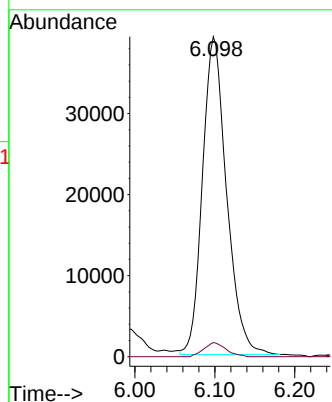
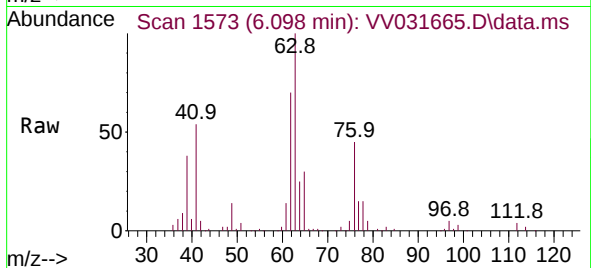
DCHB3MS

Tgt Ion: 63 Resp: 82164

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 45.892 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.003 min

Lab File: VV031665.D

Acq: 10 Jul 2023 14:31

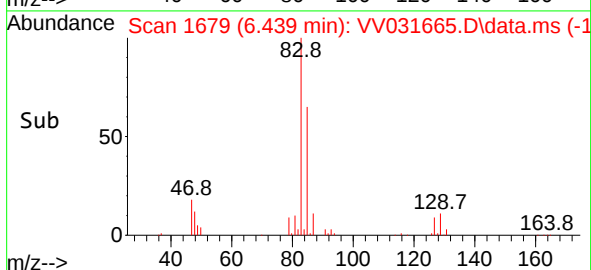
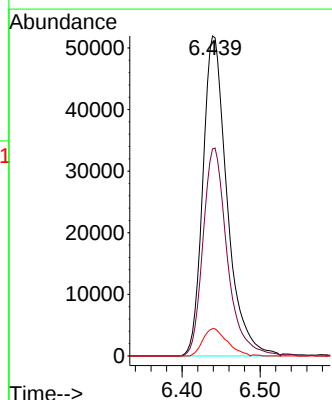
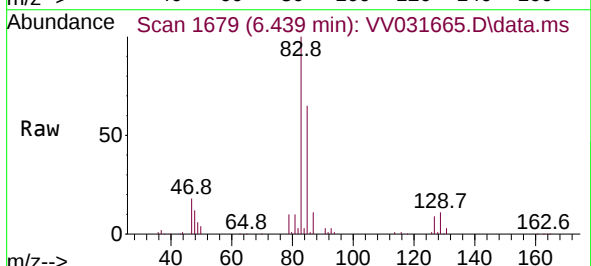
Tgt Ion: 83 Resp: 112137

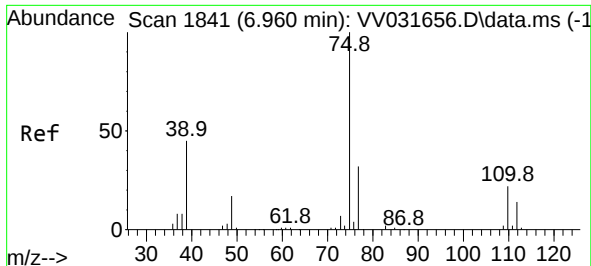
Ion Ratio Lower Upper

83 100

85 64.7 45.3 84.1

127 8.5 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 44.966 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.003 min

Lab File: VV031665.D

Acq: 10 Jul 2023 14:31

Instrument :

MSVOA_V

ClientSampleId :

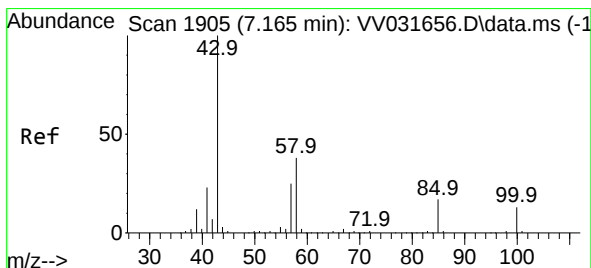
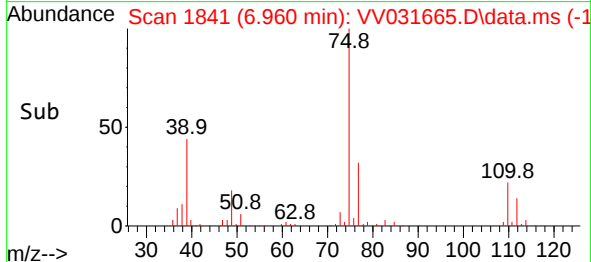
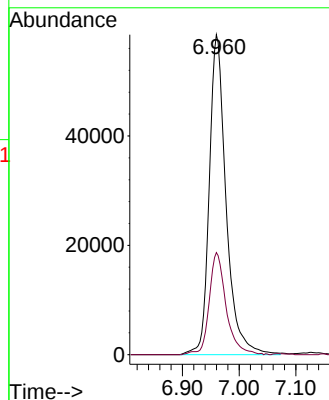
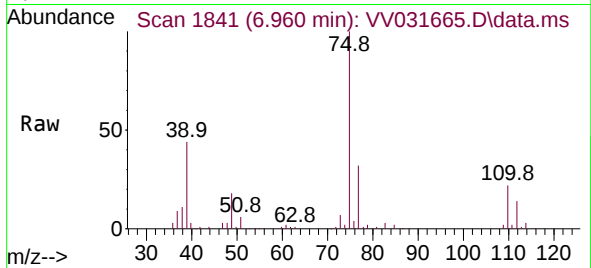
DCHB3MS

Tgt Ion: 75 Resp: 120665

Ion Ratio Lower Upper

75 100

77 31.9 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 107.932 ug/L

RT: 7.172 min Scan# 1907

Delta R.T. 0.010 min

Lab File: VV031665.D

Acq: 10 Jul 2023 14:31

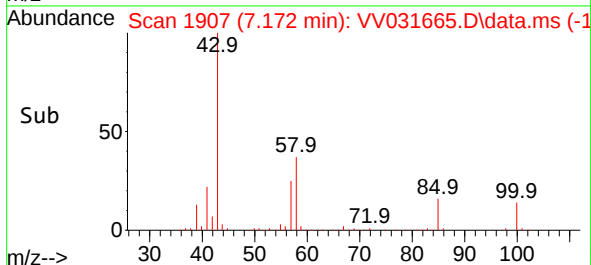
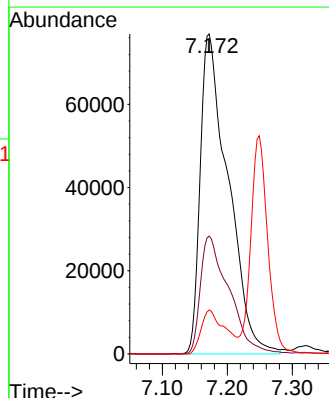
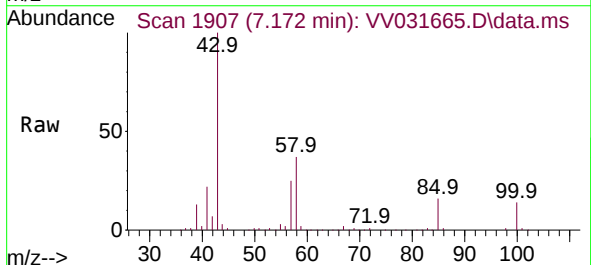
Tgt Ion: 43 Resp: 229108

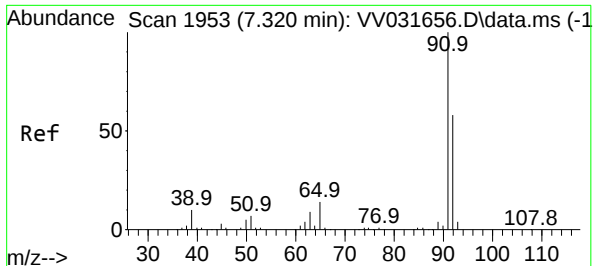
Ion Ratio Lower Upper

43 100

58 37.8 31.8 47.8

100 11.6 11.1 16.7

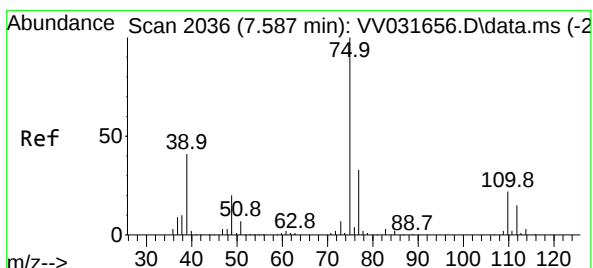
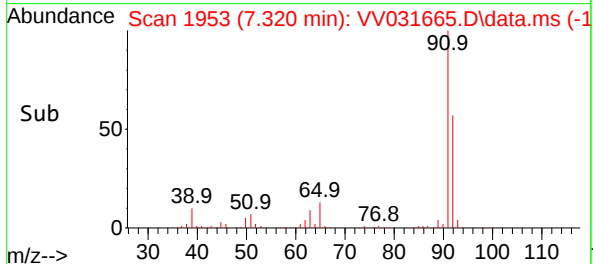
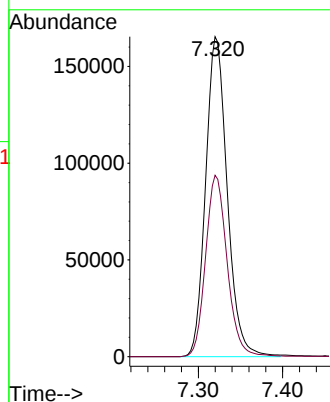
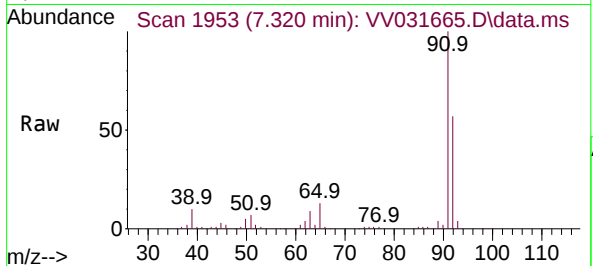




#42
Toluene
Concen: 46.203 ug/L
RT: 7.320 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VV031665.D
Acq: 10 Jul 2023 14:31

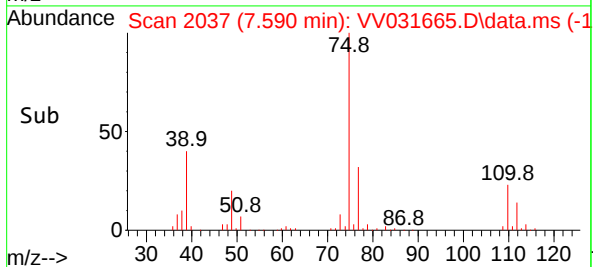
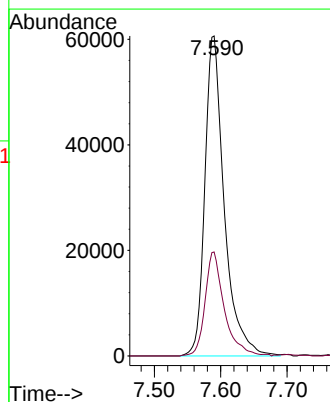
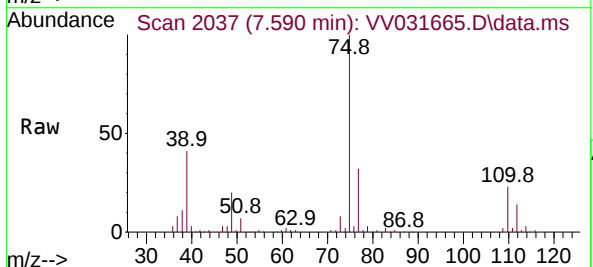
Instrument :
MSVOA_V
ClientSampleId :
DCHB3MS

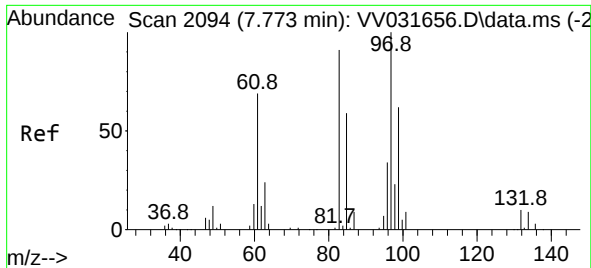
Tgt Ion: 91 Resp: 294919
Ion Ratio Lower Upper
91 100
92 56.7 39.6 73.6



#44
trans-1,3-Dichloropropene
Concen: 47.162 ug/L
RT: 7.590 min Scan# 2037
Delta R.T. 0.007 min
Lab File: VV031665.D
Acq: 10 Jul 2023 14:31

Tgt Ion: 75 Resp: 123248
Ion Ratio Lower Upper
75 100
77 32.5 22.1 41.1



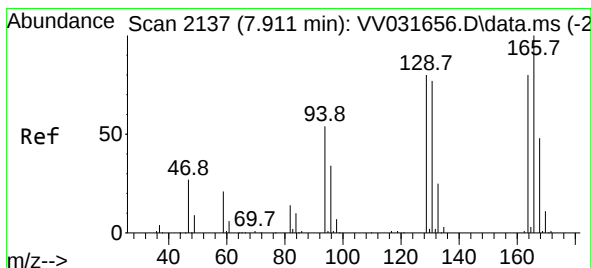
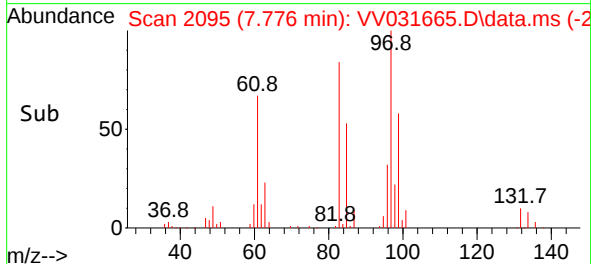
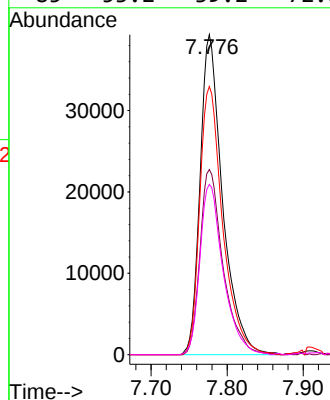
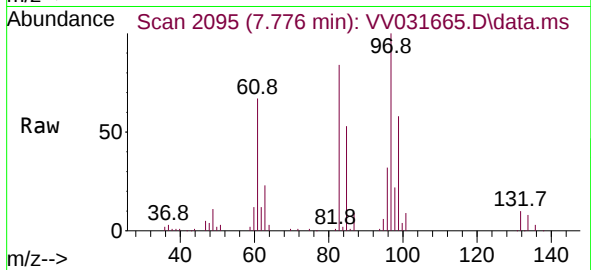


#45
1,1,2-Trichloroethane
Concen: 47.384 ug/L
RT: 7.776 min Scan# 2094
Delta R.T. 0.003 min
Lab File: VV031665.D
Acq: 10 Jul 2023 14:31

Instrument :
MSVOA_V
ClientSampleId :
DCHB3MS

Tgt Ion: 97 Resp: 80918

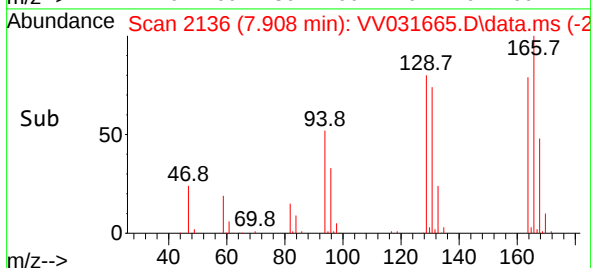
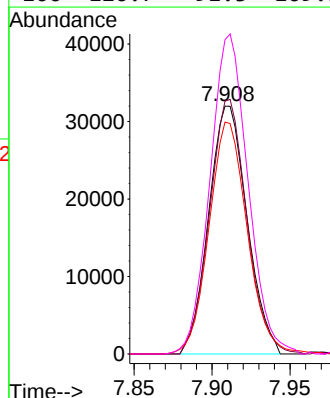
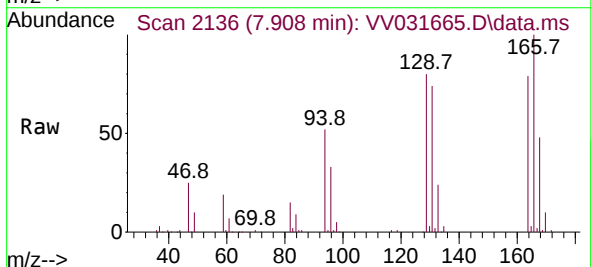
Ion	Ratio	Lower	Upper
97	100		
99	57.9	43.7	81.1
83	83.8	60.9	113.1
85	53.2	39.2	72.8

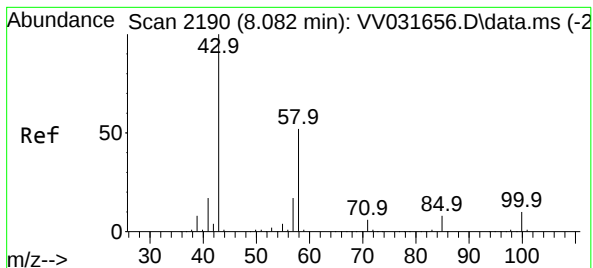


#46
Tetrachloroethene
Concen: 42.382 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. -0.003 min
Lab File: VV031665.D
Acq: 10 Jul 2023 14:31

Tgt Ion: 164 Resp: 54721

Ion	Ratio	Lower	Upper
164	100		
129	101.9	68.4	127.0
131	95.9	67.6	125.6
166	126.7	91.3	169.5





#48

2-Hexanone

Concen: 114.175 ug/L

RT: 8.101 min Scan# 2196

Delta R.T. 0.023 min

Lab File: VV031665.D

Acq: 10 Jul 2023 14:31

Instrument :

MSVOA_V

ClientSampleId :

DCHB3MS

Tgt Ion: 43 Resp: 193562

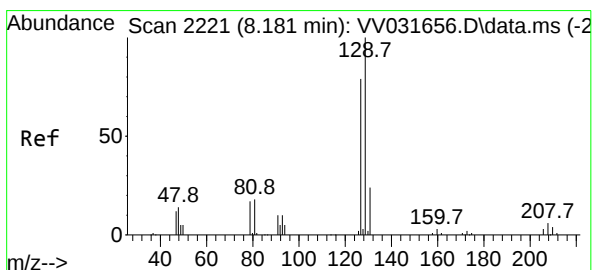
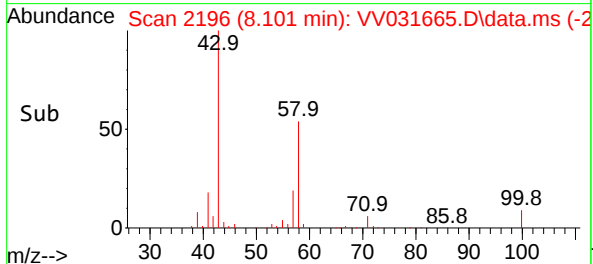
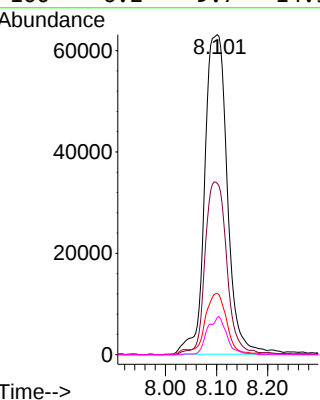
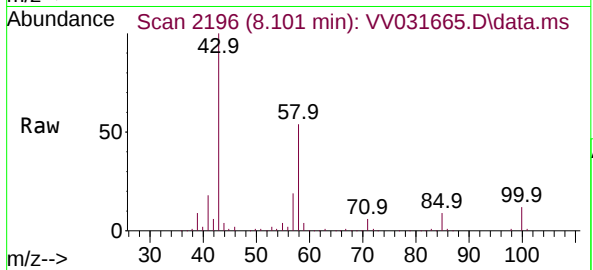
Ion Ratio Lower Upper

43 100

58 0.0 46.7 70.1#

57 17.7 15.5 23.3

100 6.2 9.7 14.5#



#49

Dibromochloromethane

Concen: 47.627 ug/L

RT: 8.185 min Scan# 2222

Delta R.T. 0.003 min

Lab File: VV031665.D

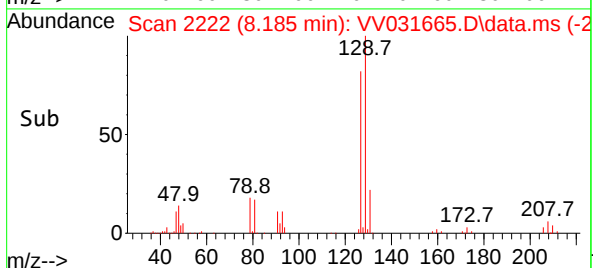
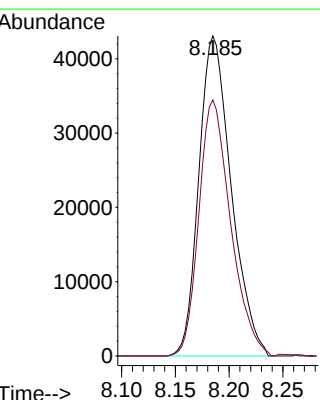
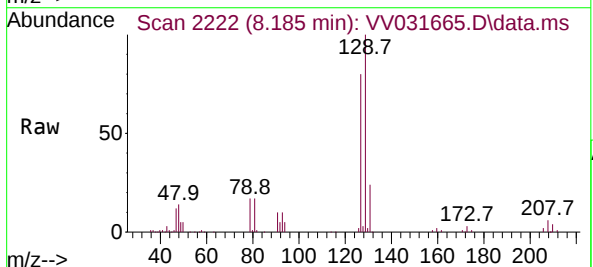
Acq: 10 Jul 2023 14:31

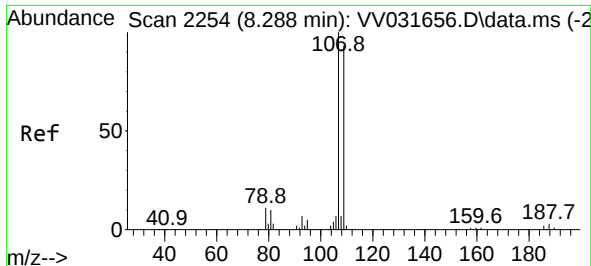
Tgt Ion:129 Resp: 90395

Ion Ratio Lower Upper

129 100

127 81.9 55.8 103.6





#50

1,2-Dibromoethane

Concen: 46.440 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031665.D

Acq: 10 Jul 2023 14:31

Instrument :

MSVOA_V

ClientSampleId :

DCHB3MS

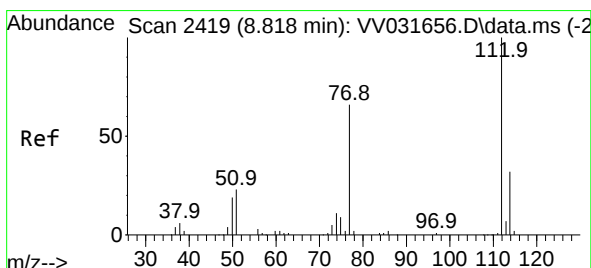
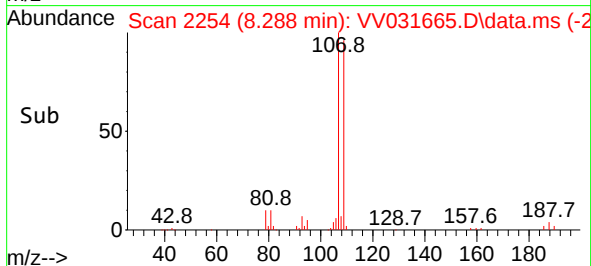
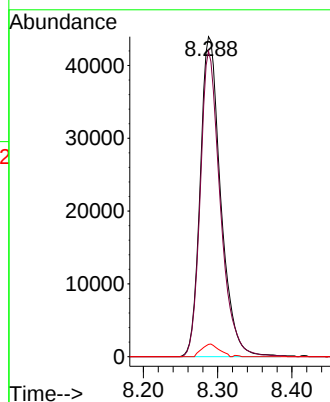
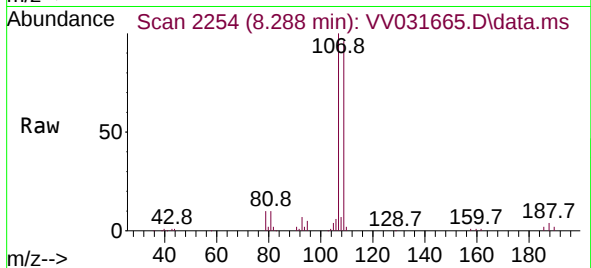
Tgt Ion:107 Resp: 84445

Ion Ratio Lower Upper

107 100

109 95.5 65.7 122.1

188 3.8 2.6 4.0



#51

Chlorobenzene

Concen: 44.601 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.003 min

Lab File: VV031665.D

Acq: 10 Jul 2023 14:31

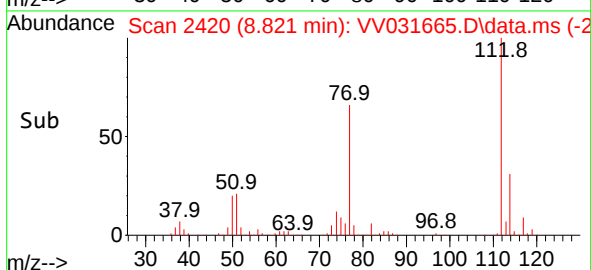
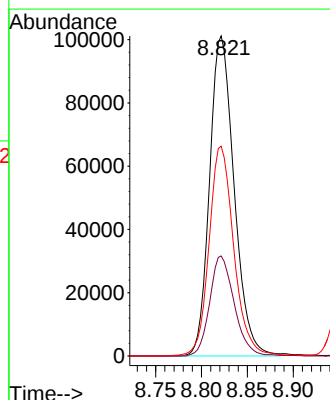
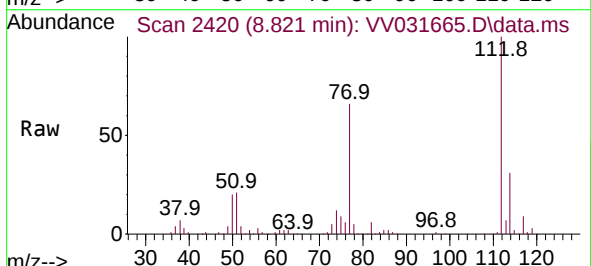
Tgt Ion:112 Resp: 188554

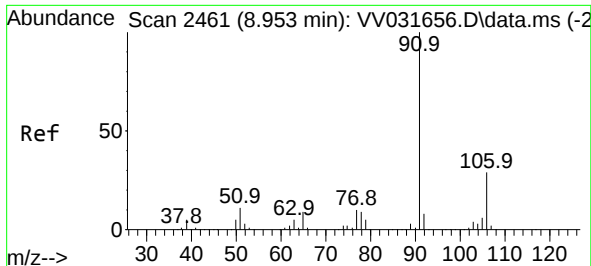
Ion Ratio Lower Upper

112 100

114 31.3 22.9 42.5

77 65.5 52.5 78.7

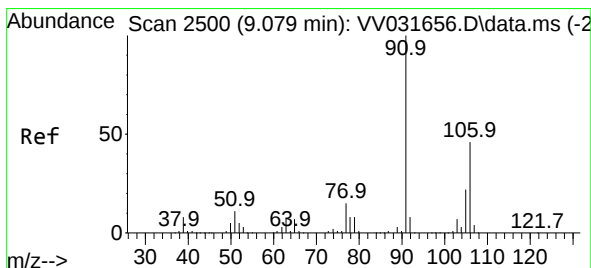
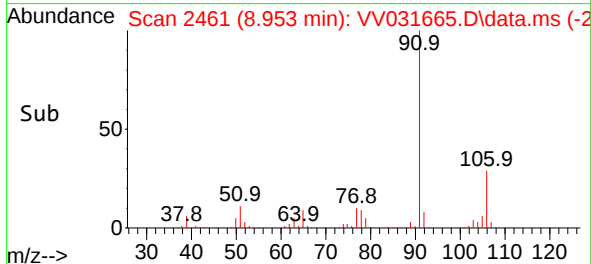
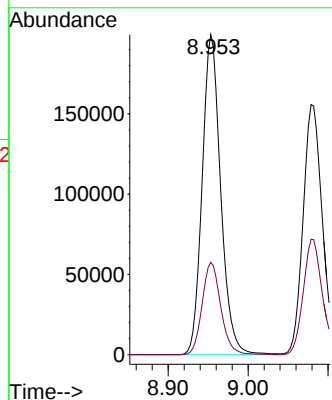
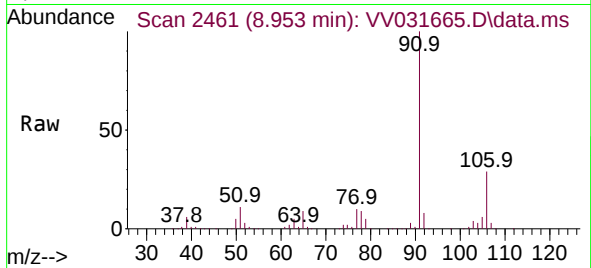




#52
Ethylbenzene
Concen: 45.157 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.003 min
Lab File: VV031665.D
Acq: 10 Jul 2023 14:31

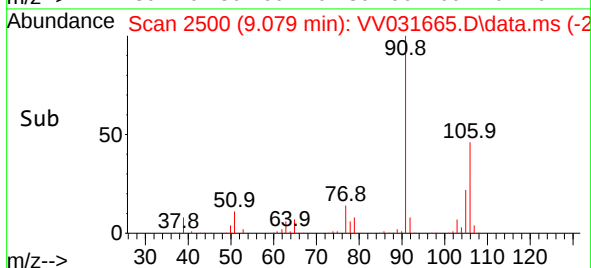
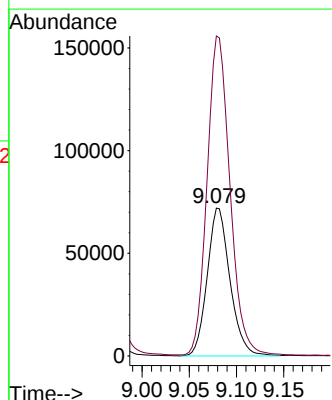
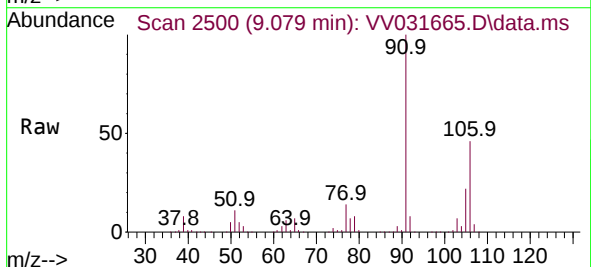
Instrument :
MSVOA_V
ClientSampleId :
DCHB3MS

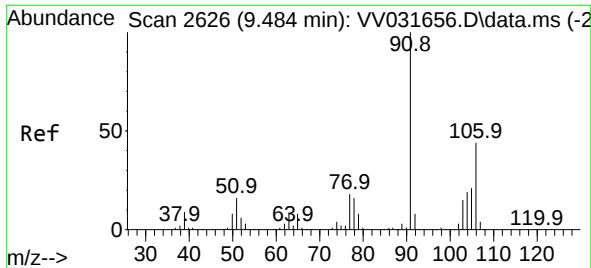
Tgt Ion: 91 Resp: 321627
Ion Ratio Lower Upper
91 100
106 28.9 20.8 38.6



#53
m,p-Xylene
Concen: 46.246 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031665.D
Acq: 10 Jul 2023 14:31

Tgt Ion: 106 Resp: 120624
Ion Ratio Lower Upper
106 100
91 216.5 149.0 276.6

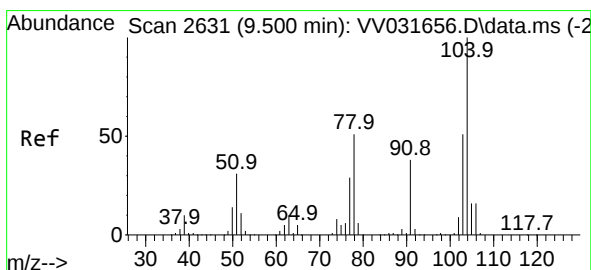
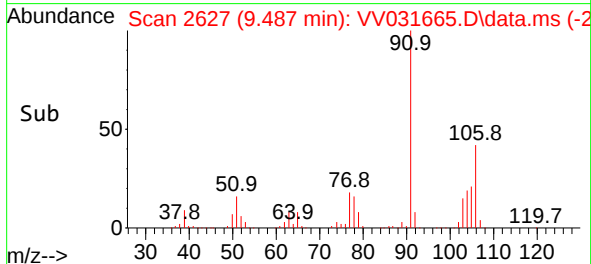
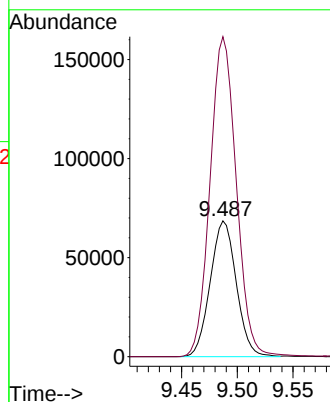
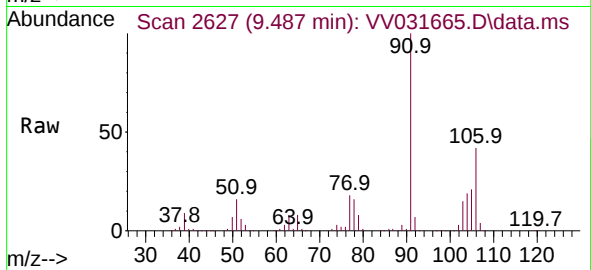




#54
o-Xylene
Concen: 45.064 ug/L
RT: 9.487 min Scan# 2626
Delta R.T. 0.003 min
Lab File: VV031665.D
Acq: 10 Jul 2023 14:31

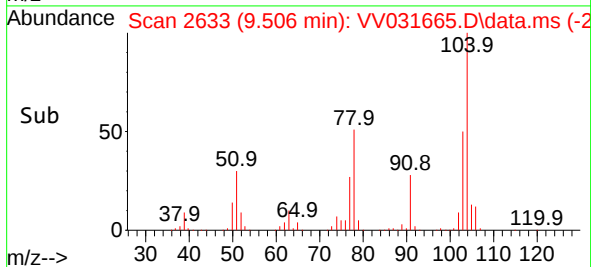
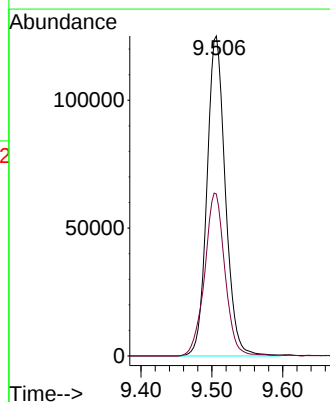
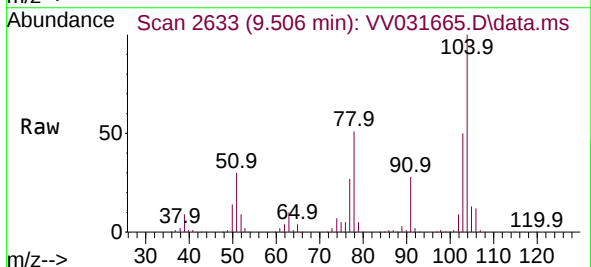
Instrument :
MSVOA_V
ClientSampleId :
DCHB3MS

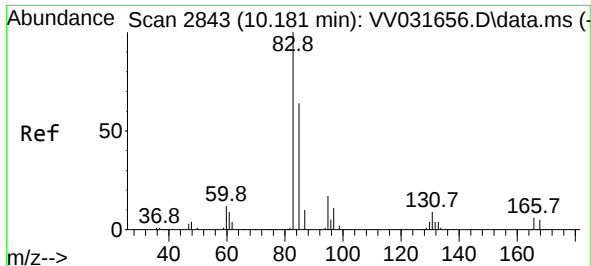
Tgt Ion:106 Resp: 111543
Ion Ratio Lower Upper
106 100
91 235.6 161.3 299.7



#55
Styrene
Concen: 51.005 ug/L
RT: 9.506 min Scan# 2633
Delta R.T. 0.007 min
Lab File: VV031665.D
Acq: 10 Jul 2023 14:31

Tgt Ion:104 Resp: 225471
Ion Ratio Lower Upper
104 100
78 50.6 35.1 65.3





#57

1,1,2,2-Tetrachloroethane

Concen: 45.831 ug/L

RT: 10.191 min Scan# 2846

Delta R.T. 0.010 min

Lab File: VV031665.D

Acq: 10 Jul 2023 14:31

Instrument :

MSVOA_V

ClientSampleId :

DCHB3MS

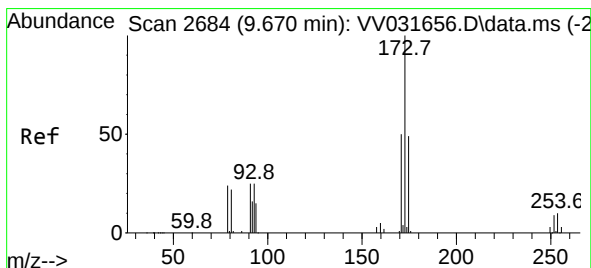
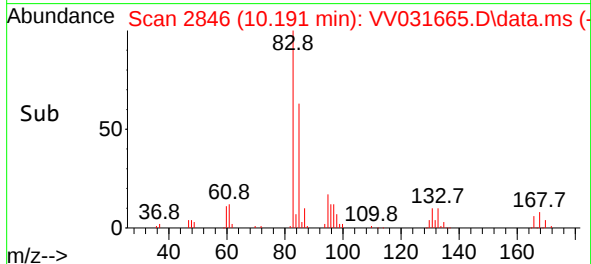
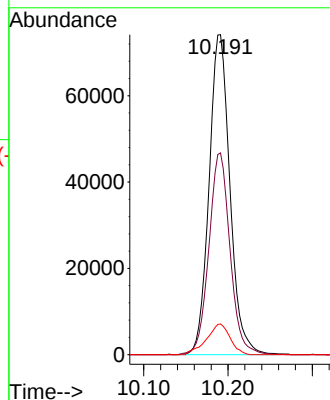
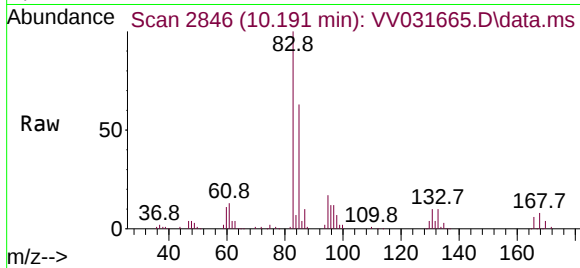
Tgt Ion: 83 Resp: 127881

Ion Ratio Lower Upper

83 100

85 63.1 43.1 80.1

131 13.5 10.6 16.0



#59

Bromoform

Concen: 48.013 ug/L

RT: 9.677 min Scan# 2686

Delta R.T. 0.007 min

Lab File: VV031665.D

Acq: 10 Jul 2023 14:31

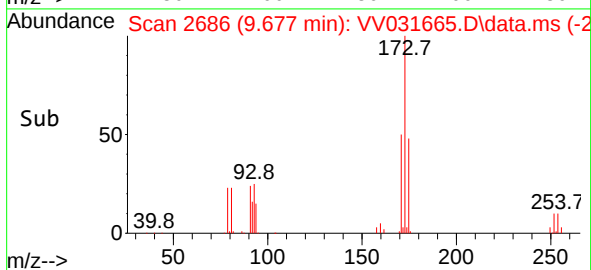
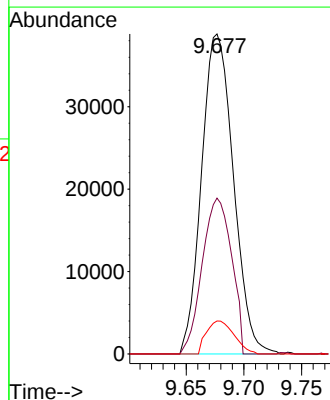
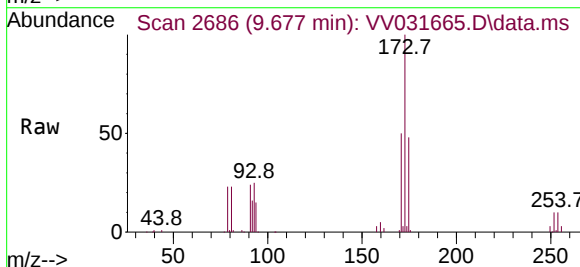
Tgt Ion: 173 Resp: 74511

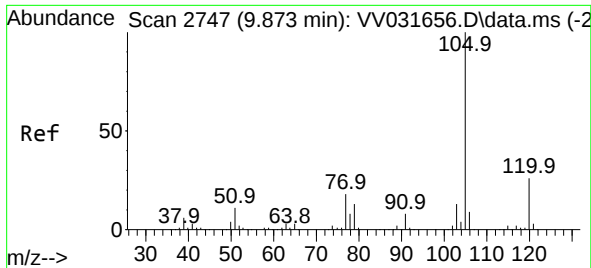
Ion Ratio Lower Upper

173 100

175 44.7 37.7 56.5

254 8.9 0.1 0.1#

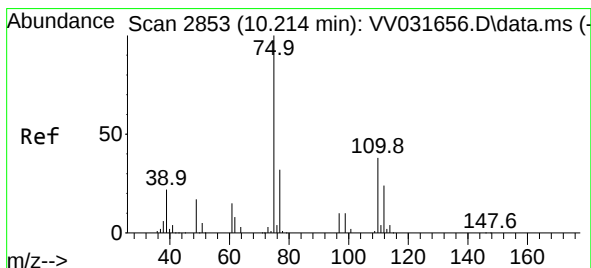
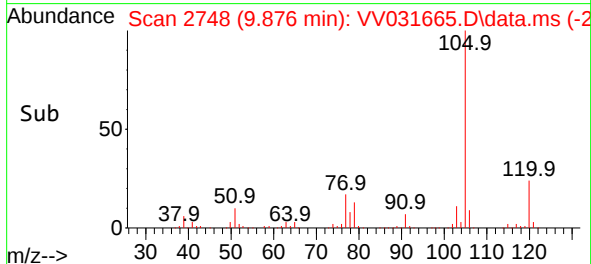
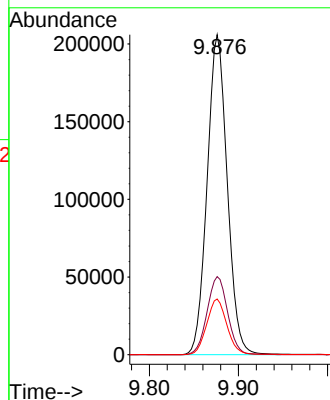
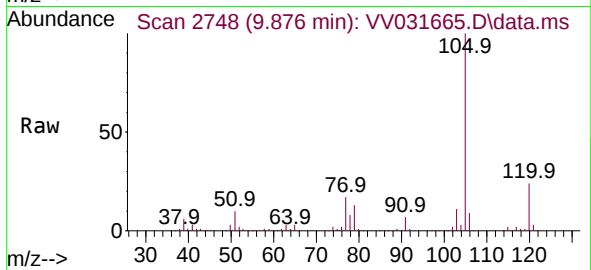




#60
Isopropylbenzene
Concen: 40.386 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV031665.D
Acq: 10 Jul 2023 14:31

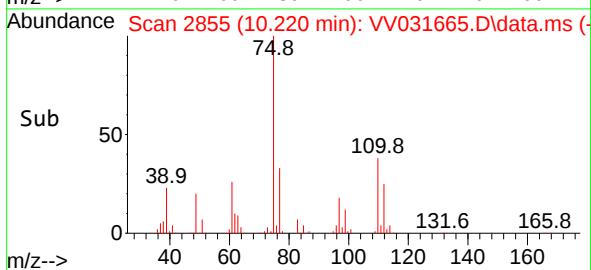
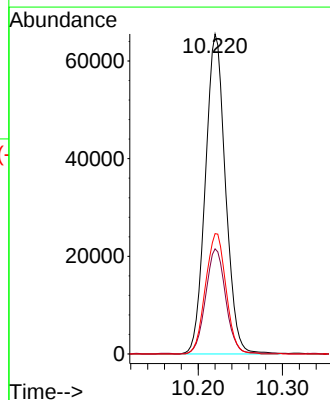
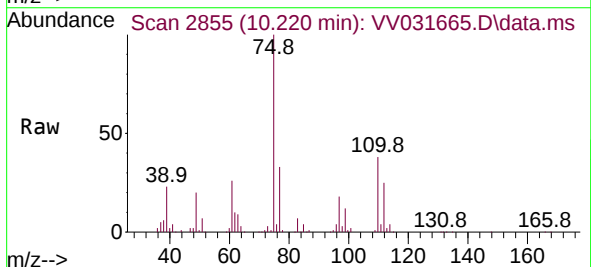
Instrument :
MSVOA_V
ClientSampleId :
DCHB3MS

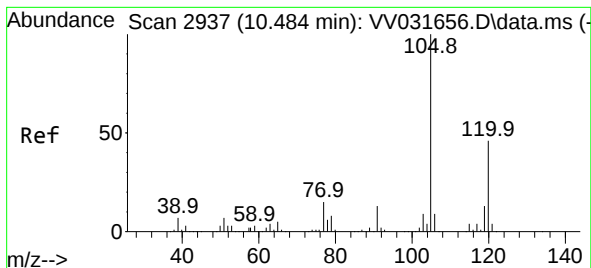
Tgt Ion:105 Resp: 322342
Ion Ratio Lower Upper
105 100
120 24.9 20.2 30.2
77 17.4 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 44.048 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.007 min
Lab File: VV031665.D
Acq: 10 Jul 2023 14:31

Tgt Ion: 75 Resp: 108923
Ion Ratio Lower Upper
75 100
77 32.9 25.4 38.0
110 38.3 31.3 46.9





#62

1,3,5-Trimethylbenzene

Concen: 40.101 ug/L

RT: 10.487 min Scan# 2937

Delta R.T. 0.003 min

Lab File: VV031665.D

Acq: 10 Jul 2023 14:31

Instrument :

MSVOA_V

ClientSampleId :

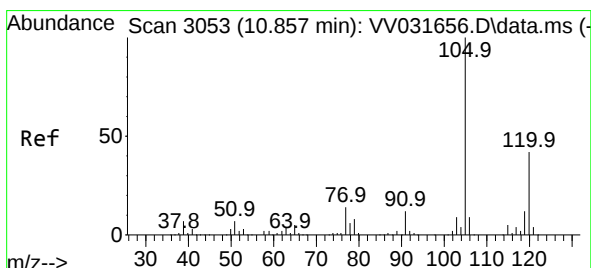
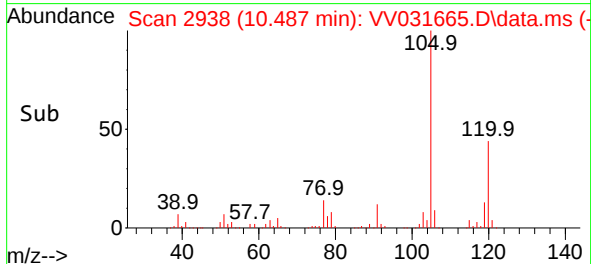
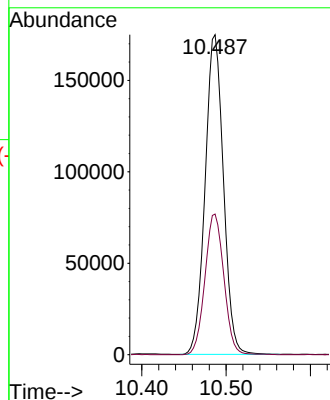
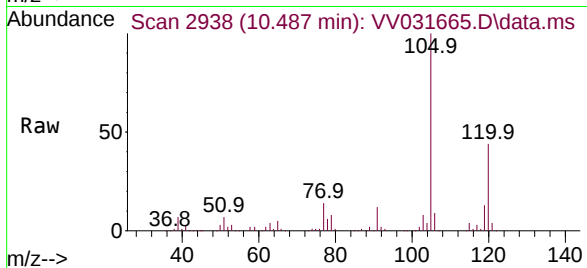
DCHB3MS

Tgt Ion:105 Resp: 264534

Ion Ratio Lower Upper

105 100

120 45.3 36.2 54.2



#63

1,2,4-Trimethylbenzene

Concen: 40.768 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.003 min

Lab File: VV031665.D

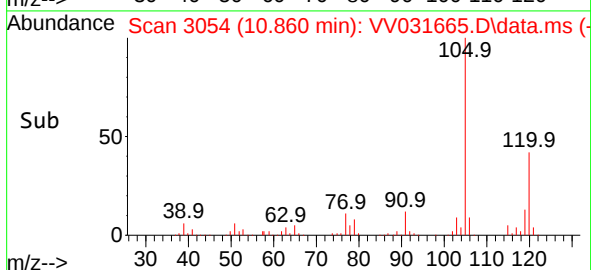
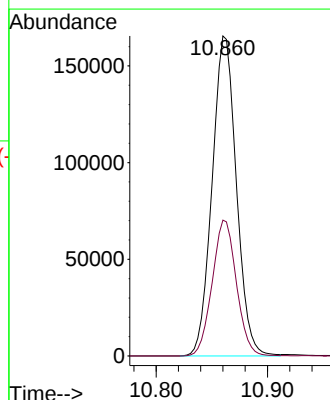
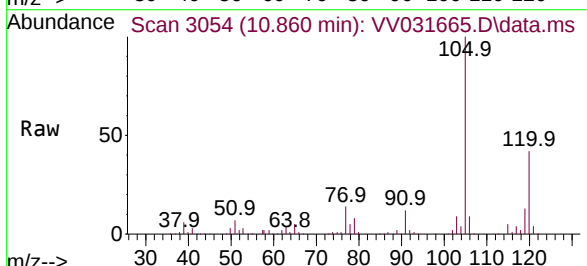
Acq: 10 Jul 2023 14:31

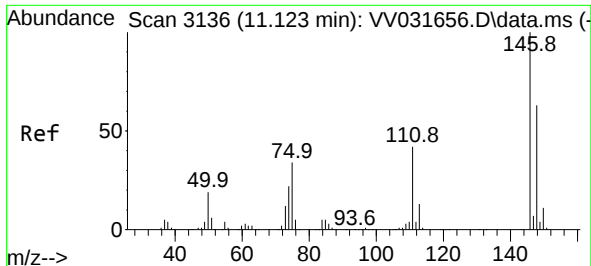
Tgt Ion:105 Resp: 250581

Ion Ratio Lower Upper

105 100

120 42.4 33.4 50.2

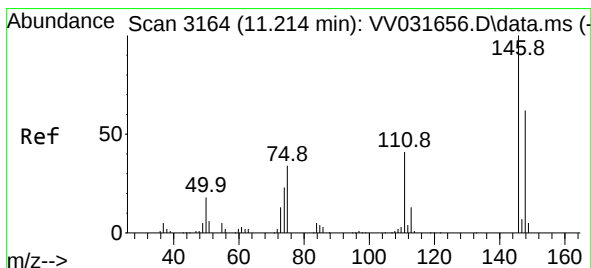
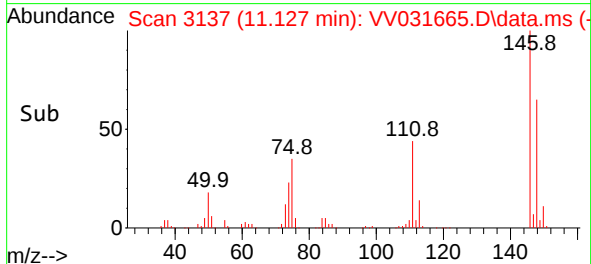
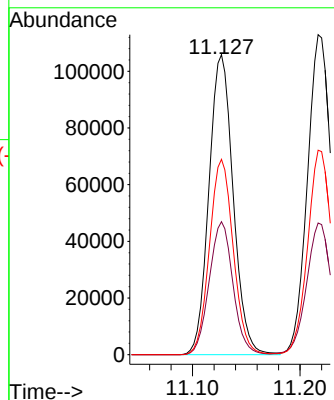
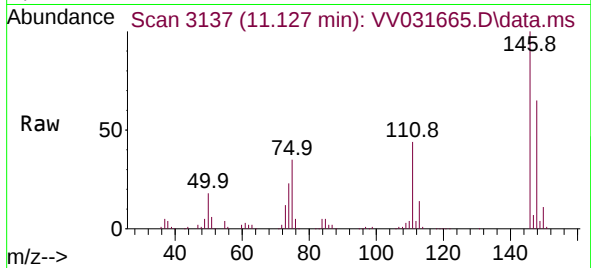




#64
1,3-Dichlorobenzene
Concen: 41.448 ug/L
RT: 11.127 min Scan# 3136
Delta R.T. 0.003 min
Lab File: VV031665.D
Acq: 10 Jul 2023 14:31

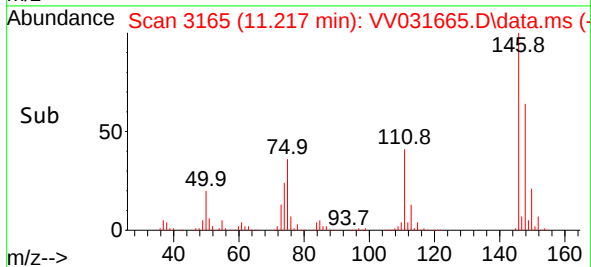
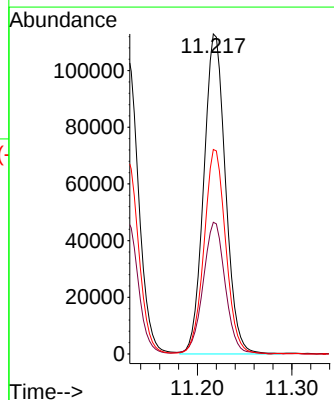
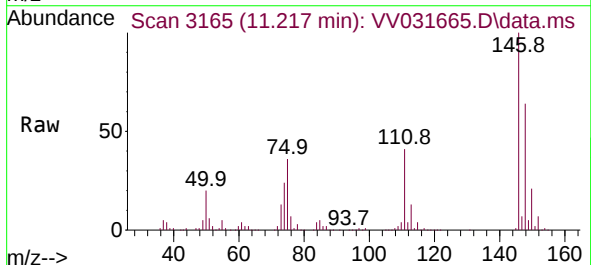
Instrument :
MSVOA_V
ClientSampleId :
DCHB3MS

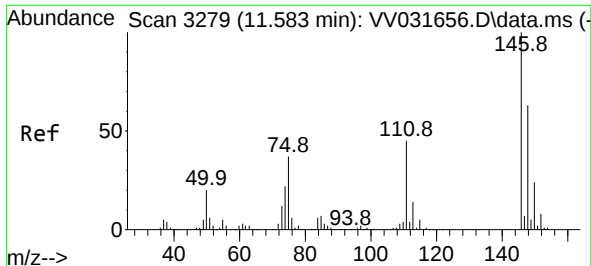
Tgt Ion:146 Resp: 165858
Ion Ratio Lower Upper
146 100
111 44.3 30.4 56.5
148 65.1 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 42.362 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VV031665.D
Acq: 10 Jul 2023 14:31

Tgt Ion:146 Resp: 180638
Ion Ratio Lower Upper
146 100
111 41.1 27.9 51.7
148 63.9 43.6 81.0





#67

1,2-Dichlorobenzene

Concen: 41.919 ug/L

RT: 11.587 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VV031665.D

Acq: 10 Jul 2023 14:31

Instrument :

MSVOA_V

ClientSampleId :

DCHB3MS

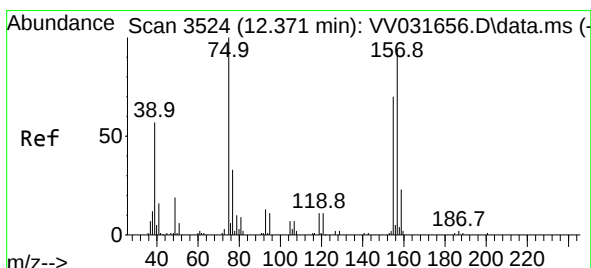
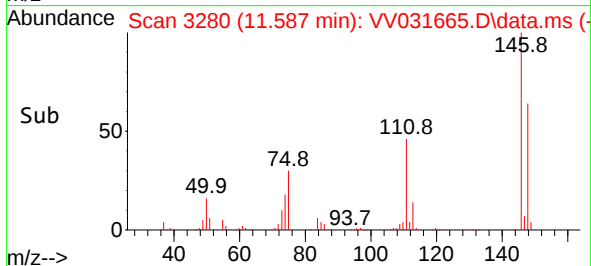
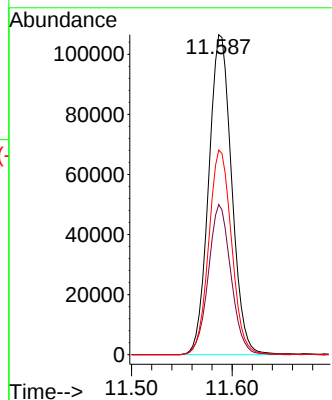
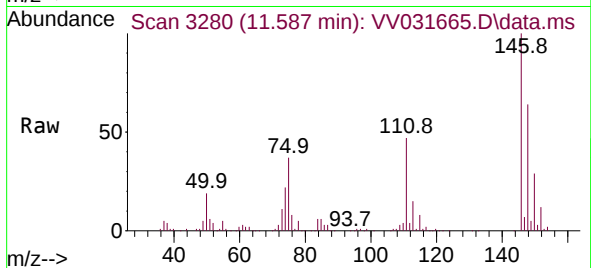
Tgt Ion:146 Resp: 169302

Ion Ratio Lower Upper

146 100

111 46.9 35.9 53.9

148 64.0 52.6 78.8



#68

1,2-Dibromo-3-chloropropane

Concen: 42.025 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.000 min

Lab File: VV031665.D

Acq: 10 Jul 2023 14:31

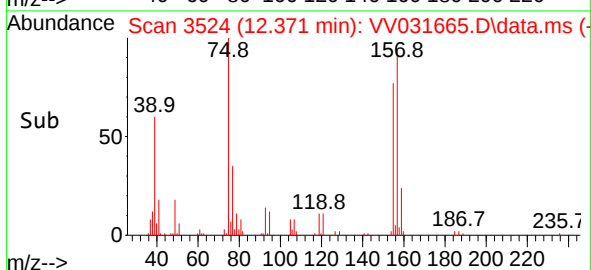
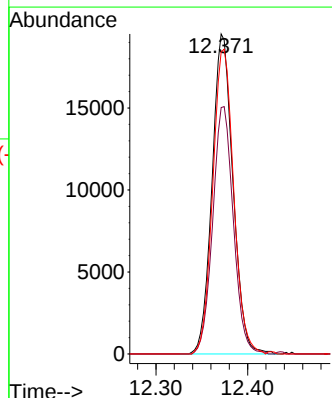
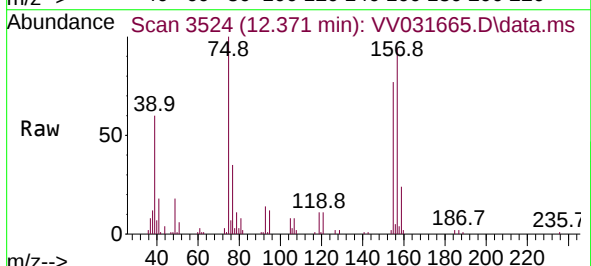
Tgt Ion: 75 Resp: 30844

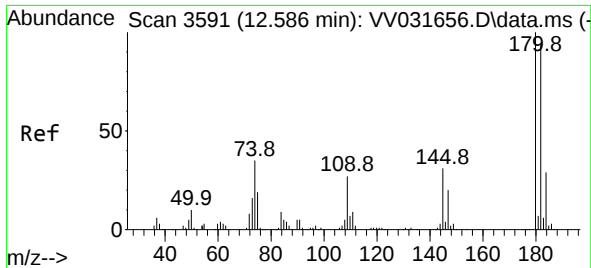
Ion Ratio Lower Upper

75 100

155 77.0 63.2 94.8

157 98.5 85.3 127.9





#69

1,3,5-Trichlorobenzene

Concen: 38.792 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

Lab File: VV031665.D

Acq: 10 Jul 2023 14:31

Instrument :

MSVOA_V

ClientSampleId :

DCHB3MS

Tgt Ion:180 Resp: 118281

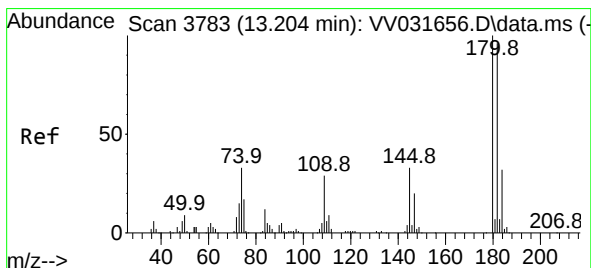
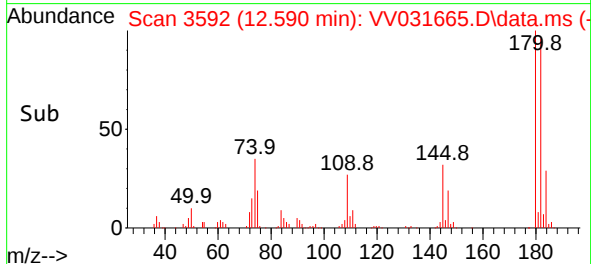
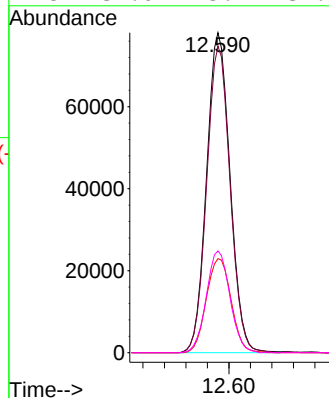
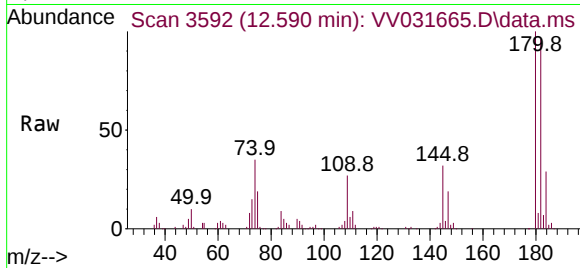
Ion Ratio Lower Upper

180 100

182 95.4 76.6 115.0

184 30.9 24.7 37.1

145 32.0 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 38.182 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.000 min

Lab File: VV031665.D

Acq: 10 Jul 2023 14:31

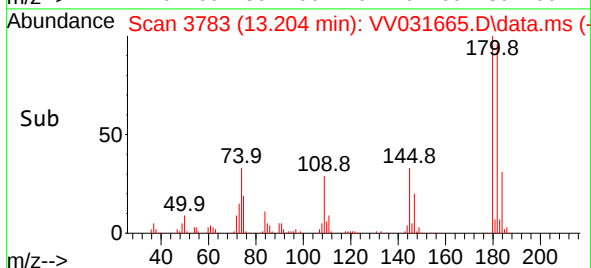
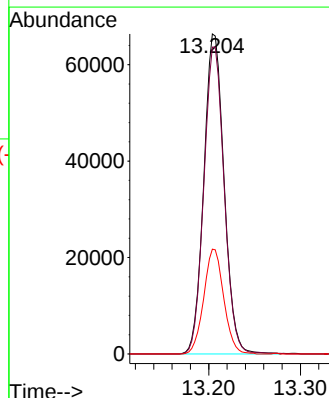
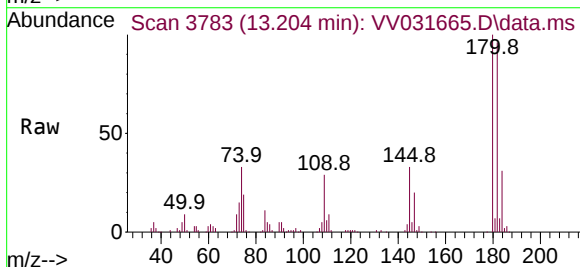
Tgt Ion:180 Resp: 102049

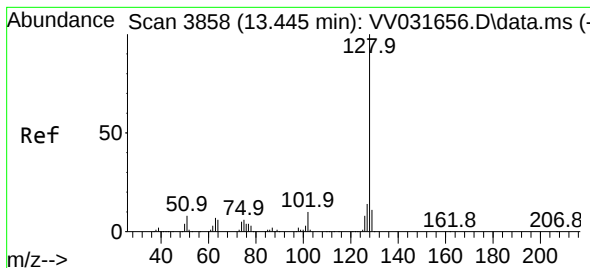
Ion Ratio Lower Upper

180 100

182 95.7 77.7 116.5

145 32.2 26.1 39.1





#71

Naphthalene

Concen: 38.726 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031665.D

Acq: 10 Jul 2023 14:31

Instrument :

MSVOA_V

ClientSampleId :

DCHB3MS

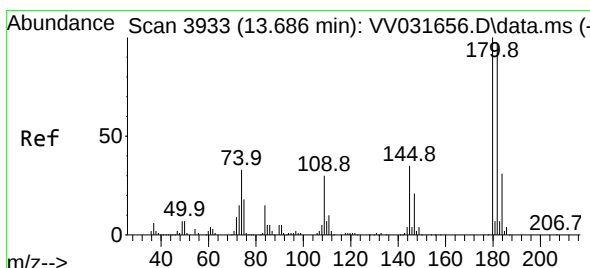
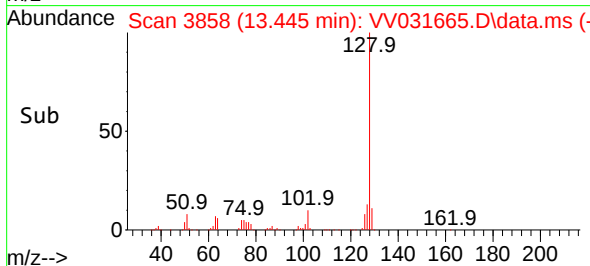
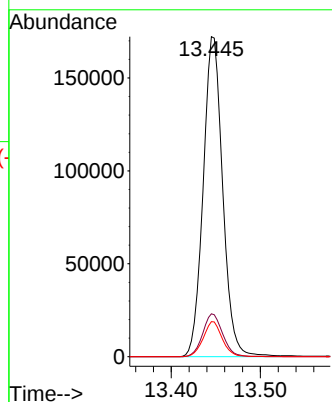
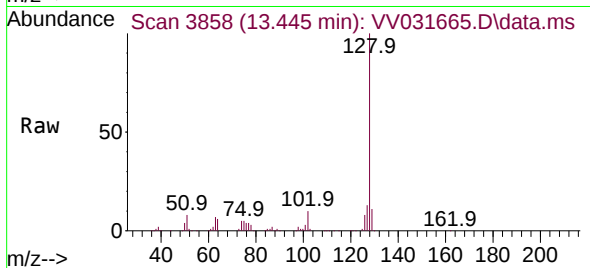
Tgt Ion:128 Resp: 262166

Ion Ratio Lower Upper

128 100

127 13.6 10.6 16.0

129 10.7 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 38.433 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031665.D

Acq: 10 Jul 2023 14:31

Tgt Ion:180 Resp: 106742

Ion Ratio Lower Upper

180 100

182 96.7 74.0 111.0

145 34.4 26.2 39.2

