

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071023\
 Data File : VW031666.D
 Acq On : 10 Jul 2023 14:54
 Operator : SY/MD
 Sample : 03551-06MSDME
 Misc : 7.50g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DCHB3MSD

Quant Time: Jul 11 01:08:53 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	185112	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	188107	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	126432	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	37772	30.660	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	61.320%
7) Chloroethane-d5	1.513	69	19088	17.757	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	35.520%#
11) 1,1-Dichloroethene-d2	2.040	65	19568	30.819	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.640%
21) 2-Butanone-d5	3.805	46	97270	97.507	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.510%
24) Chloroform-d	4.252	84	110573	35.838	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	71.680%
26) 1,2-Dichloroethane-d4	4.947	65	72429	37.520	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.040%
32) Benzene-d6	4.963	84	162048	30.605	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	61.220%#
36) 1,2-Dichloropropane-d6	5.995	67	65805	35.065	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	70.140%
41) Toluene-d8	7.249	98	150375	30.949	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	61.900%#
43) trans-1,3-Dichloroprop...	7.561	79	32581	35.613	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.220%
47) 2-Hexanone-d5	8.056	63	64650	87.252	ug/L	0.03
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.250%
56) 1,1,2,2-Tetrachloroeth...	10.165	84	132278	46.698	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.400%
66) 1,2-Dichlorobenzene-d4	11.570	152	75792	31.449	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	62.900%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	77476	39.458	ug/L	98
3) Chloromethane	1.214	50	83571	45.106	ug/L	98
5) Vinyl chloride	1.282	62	81327	44.280	ug/L	97
6) Bromomethane	1.474	94	30176	25.208	ug/L	98
8) Chloroethane	1.529	64	25090	21.151	ug/L	96
9) Trichlorofluoromethane	1.677	101	135068	44.204	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.050	101	71392	43.599	ug/L	98
12) 1,1-Dichloroethene	2.053	96	59505	43.444	ug/L	84
13) Acetone	2.127	43	175714	178.506	ug/L	98
14) Carbon disulfide	2.224	76	160264	38.682	ug/L	99
15) Methyl Acetate	2.378	43	87189	52.609	ug/L	100
16) Methylene chloride	2.442	84	74141	43.175	ug/L	97
17) trans-1,2-Dichloroethene	2.687	96	61619	43.098	ug/L	91
18) Methyl tert-butyl Ether	2.712	73	228617	47.922	ug/L	97
19) 1,1-Dichloroethane	3.108	63	145374	47.111	ug/L	98
20) cis-1,2-Dichloroethene	3.815	96	69895	45.237	ug/L	100
22) 2-Butanone	3.886	43	123383	100.336	ug/L	92
23) Bromochloromethane	4.150	128	37506	44.907	ug/L	95
25) Chloroform	4.281	83	151041	47.086	ug/L	99

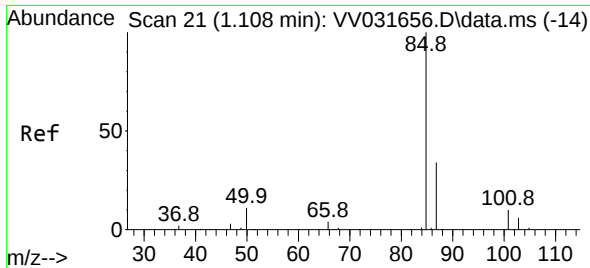
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071023\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	123744	49.983	ug/L	99
29) Cyclohexane	4.580	56	103090	42.123	ug/L	98
30) 1,1,1-Trichloroethane	4.513	97	132331	43.878	ug/L	99
31) Carbon tetrachloride	4.735	117	116206	43.487	ug/L	99
33) Benzene	5.011	78	276484	44.147	ug/L	100
34) Trichloroethene	5.834	95	77256	46.164	ug/L	97
35) Methylcyclohexane	6.053	83	102022	41.374	ug/L	97
37) 1,2-Dichloropropane	6.098	63	84582	45.993	ug/L	99
38) Bromodichloromethane	6.439	83	115462	46.450	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	122768	44.971	ug/L	98
40) 4-Methyl-2-pentanone	7.172	43	235511	109.063	ug/L	97
42) Toluene	7.320	91	296538	45.667	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	125691	47.279	ug/L	99
45) 1,1,2-Trichloroethane	7.776	97	81876	47.129	ug/L	98
46) Tetrachloroethene	7.911	164	55142	41.982	ug/L	96
48) 2-Hexanone	8.104	43	194388	112.713	ug/L #	66
49) Dibromochloromethane	8.185	129	91354	47.314	ug/L	94
50) 1,2-Dibromoethane	8.288	107	85365	46.148	ug/L	99
51) Chlorobenzene	8.821	112	188594	43.853	ug/L	98
52) Ethylbenzene	8.953	91	325195	44.882	ug/L	99
53) m,p-Xylene	9.082	106	118046	44.488	ug/L	96
54) o-Xylene	9.487	106	114258	45.376	ug/L	96
55) Styrene	9.506	104	224287	49.874	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.191	83	150490	53.016	ug/L	97
59) Bromoform	9.677	173	75829	48.385	ug/L #	100
60) Isopropylbenzene	9.876	105	321894	39.935	ug/L	99
61) 1,2,3-Trichloropropane	10.220	75	125064	50.082	ug/L	98
62) 1,3,5-Trimethylbenzene	10.487	105	281894	42.315	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	266976	43.011	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	180625	44.697	ug/L	100
65) 1,4-Dichlorobenzene	11.217	146	180480	41.912	ug/L	98
67) 1,2-Dichlorobenzene	11.590	146	167799	41.141	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.374	75	30589	41.271	ug/L	93
69) 1,3,5-Trichlorobenzene	12.590	180	116450	37.818	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	107266	39.742	ug/L	99
71) Naphthalene	13.448	128	270207	39.524	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	113894	40.608	ug/L	99

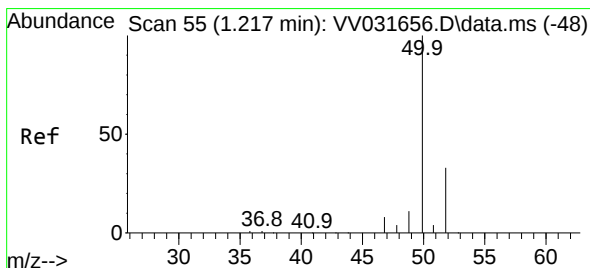
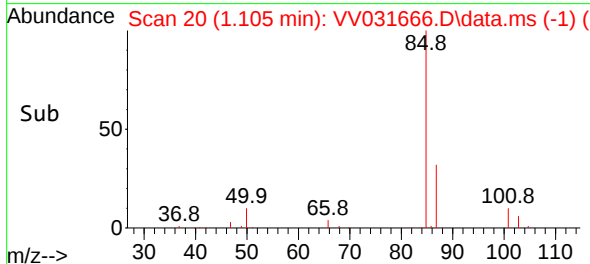
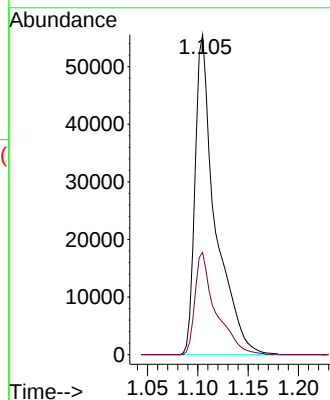
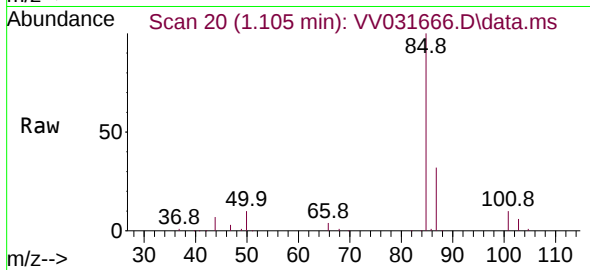
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 39.458 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV031666.D
 Acq: 10 Jul 2023 14:54

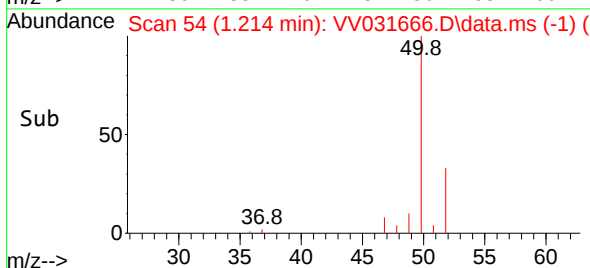
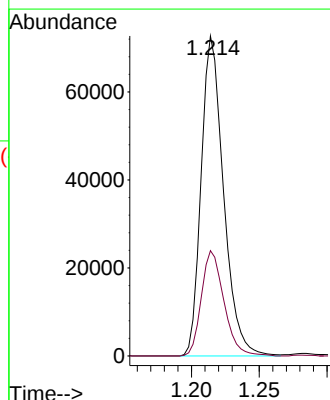
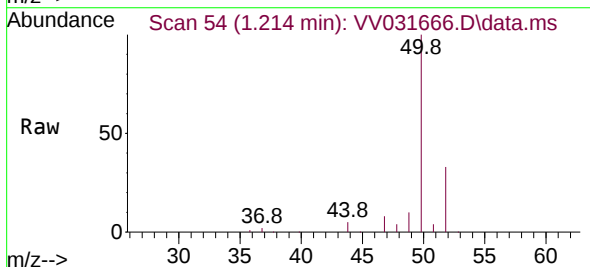
Instrument :
 MSVOA_V
 ClientSampleId :
 DCHB3MSD

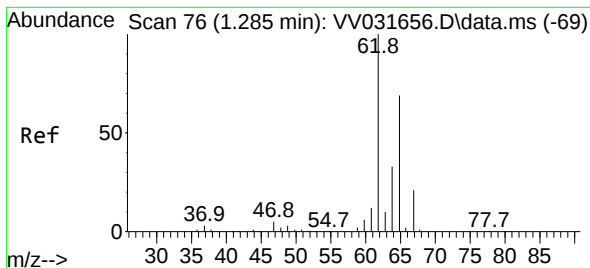
Tgt Ion: 85 Resp: 77476
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.5 38.3



#3
 Chloromethane
 Concen: 45.106 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV031666.D
 Acq: 10 Jul 2023 14:54

Tgt Ion: 50 Resp: 83571
 Ion Ratio Lower Upper
 50 100
 52 32.9 22.3 41.5





#5

Vinyl chloride

Concen: 44.280 ug/L

RT: 1.282 min Scan# 71

Delta R.T. -0.003 min

Lab File: VV031666.D

Acq: 10 Jul 2023 14:54

Instrument :

MSVOA_V

ClientSampleId :

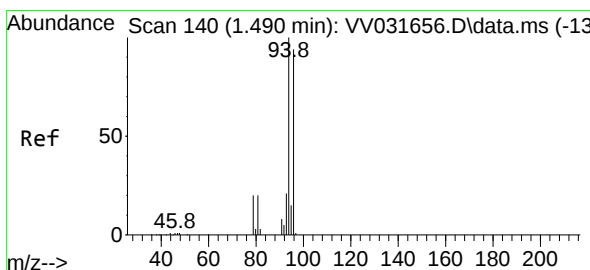
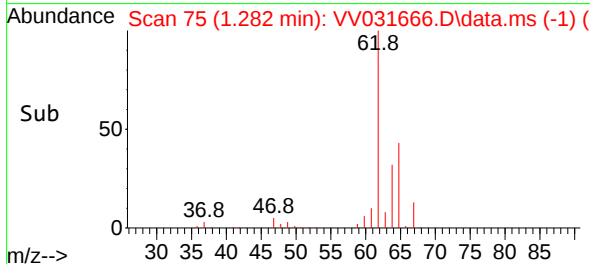
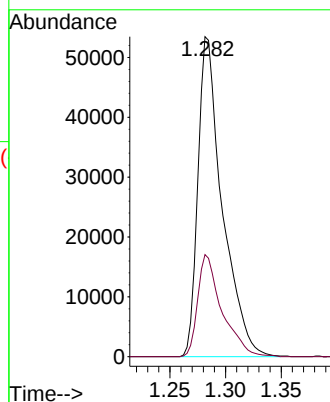
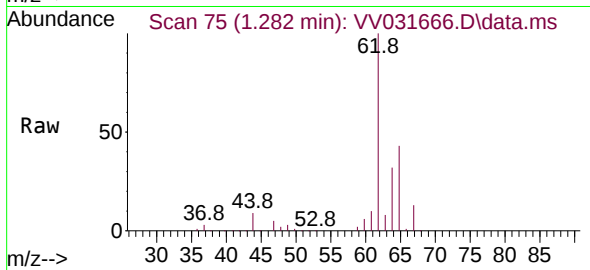
DCHB3MSD

Tgt Ion: 62 Resp: 81327

Ion Ratio Lower Upper

62 100

64 31.9 23.4 43.4



#6

Bromomethane

Concen: 25.208 ug/L

RT: 1.474 min Scan# 135

Delta R.T. -0.013 min

Lab File: VV031666.D

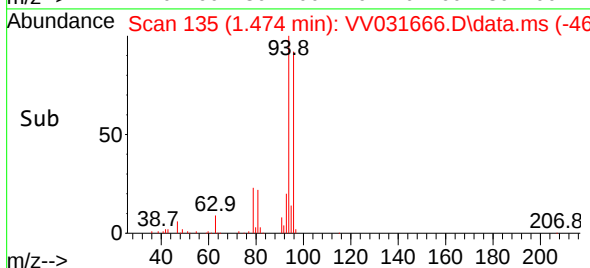
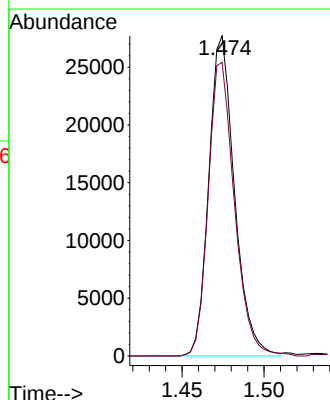
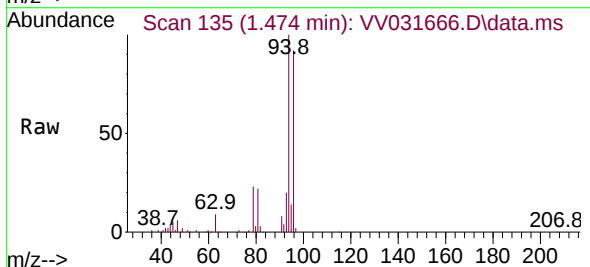
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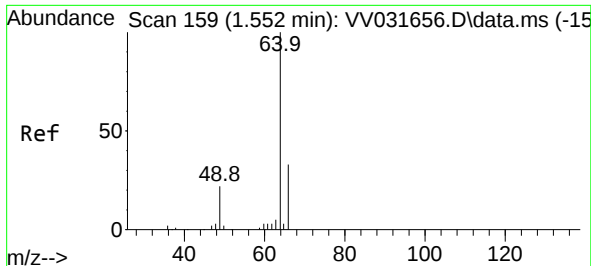
Tgt Ion: 94 Resp: 30176

Ion Ratio Lower Upper

94 100

96 91.7 65.4 121.4

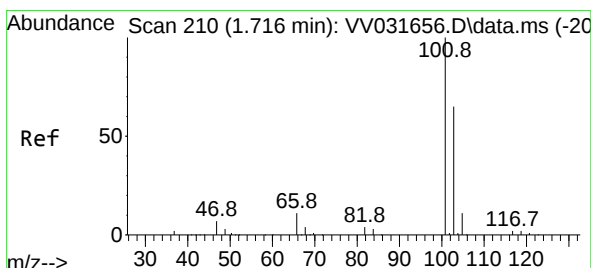
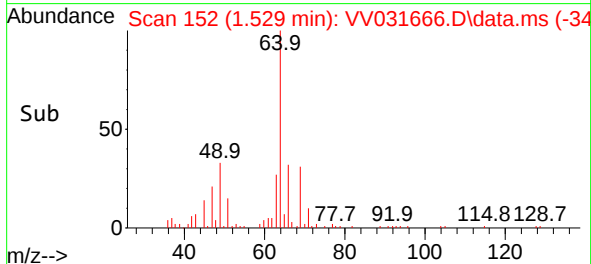
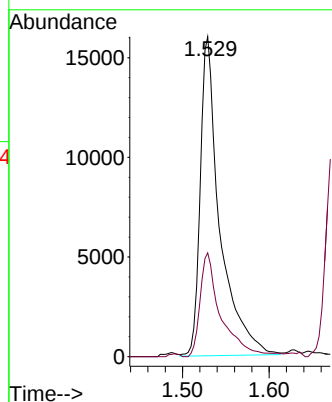
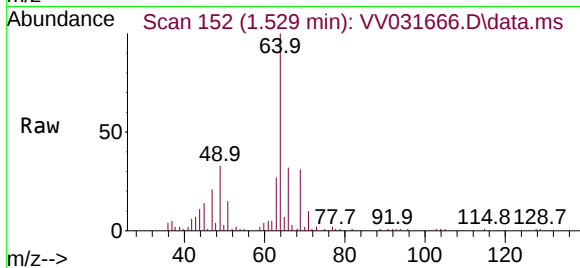




#8
Chloroethane
Concen: 21.151 ug/L
RT: 1.529 min Scan# 11
Delta R.T. -0.019 min
Lab File: VV031666.D
Acq: 10 Jul 2023 14:54

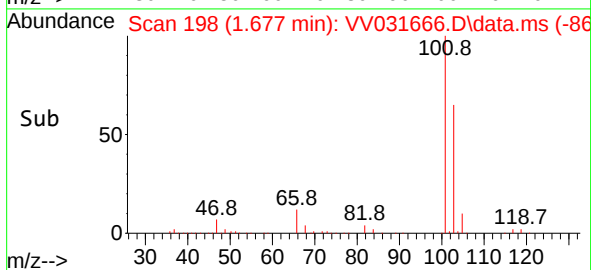
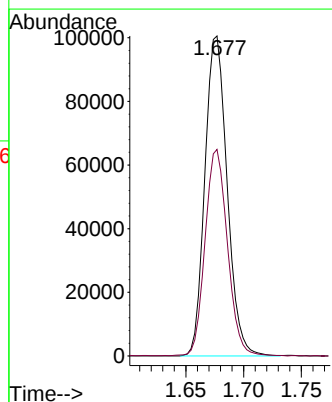
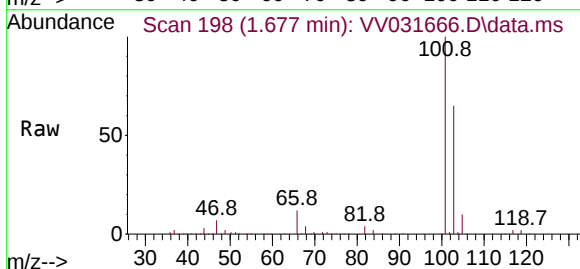
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DCHB3MSD

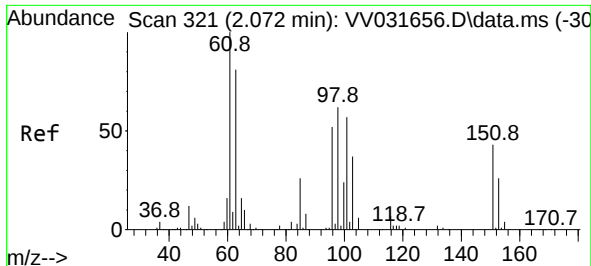
Tgt Ion: 64 Resp: 25090
Ion Ratio Lower Upper
64 100
66 32.4 21.0 39.0



#9
Trichlorofluoromethane
Concen: 44.204 ug/L
RT: 1.677 min Scan# 198
Delta R.T. -0.038 min
Lab File: VV031666.D
Acq: 10 Jul 2023 14:54

Tgt Ion: 101 Resp: 135068
Ion Ratio Lower Upper
101 100
103 64.9 50.9 76.3





#10

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

Concen: 43.599 ug/L

RT: 2.050 min Scan# 314

Delta R.T. -0.019 min

Lab File: VV031666.D

Acq: 10 Jul 2023 14:54

Instrument :

MSVOA_V

ClientSampleId :

DCHB3MSD

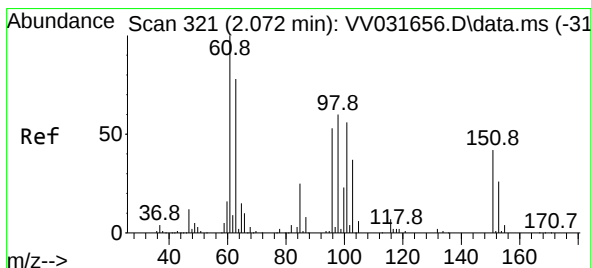
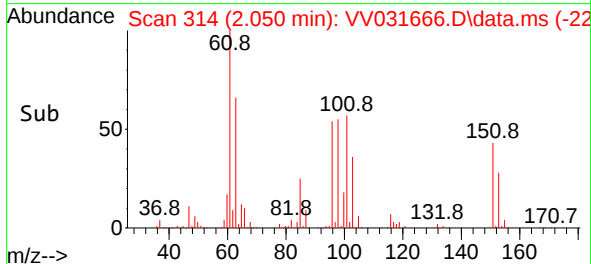
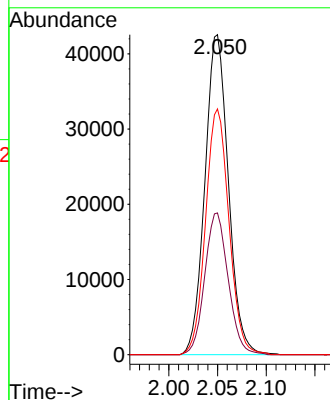
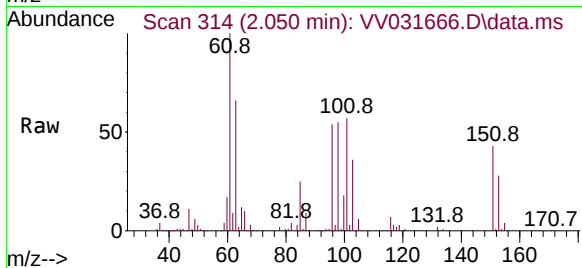
Tgt Ion:101 Resp: 71392

Ion Ratio Lower Upper

101 100

85 44.1 37.4 56.0

151 76.6 62.3 93.5



#12

1,1-Dichloroethene

Concen: 43.444 ug/L

RT: 2.053 min Scan# 315

Delta R.T. -0.019 min

Lab File: VV031666.D

Acq: 10 Jul 2023 14:54

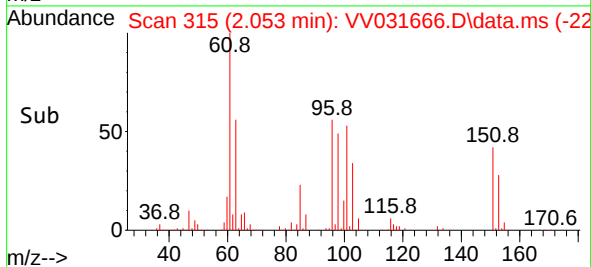
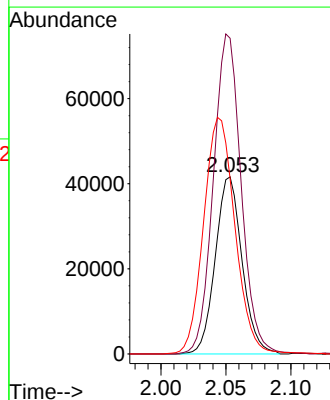
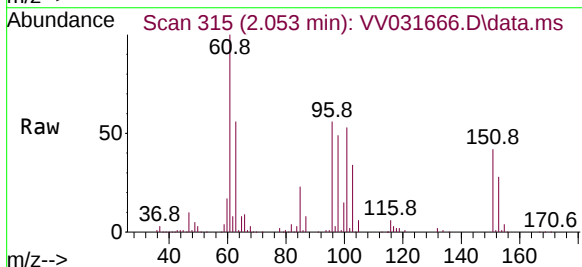
Tgt Ion: 96 Resp: 59505

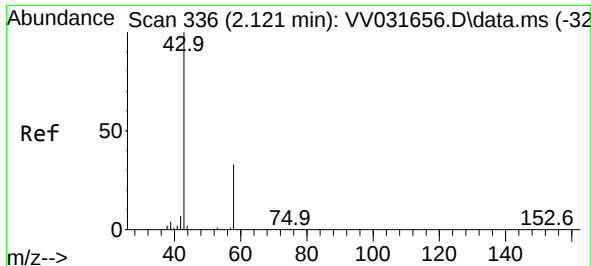
Ion Ratio Lower Upper

96 100

61 178.3 128.9 239.5

63 99.0 95.3 177.1





#13

Acetone

Concen: 178.506 ug/L

RT: 2.127 min Scan# 31

Delta R.T. 0.013 min

Lab File: VV031666.D

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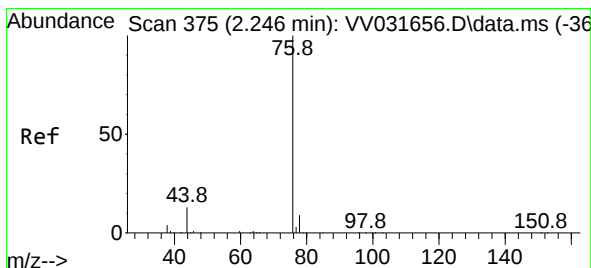
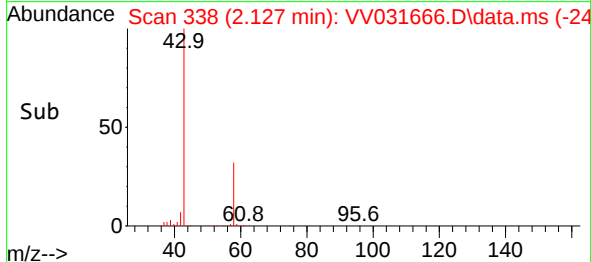
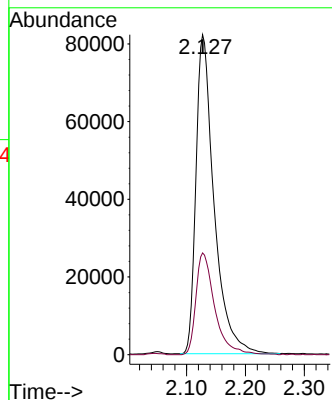
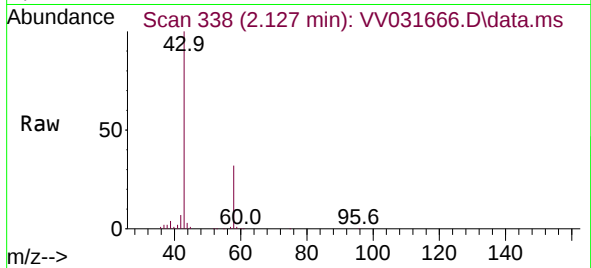
DCHB3MSD

Tgt Ion: 43 Resp: 175714

Ion Ratio Lower Upper

43 100

58 33.0 0.0 68.6



#14

Carbon disulfide

Concen: 38.682 ug/L

RT: 2.224 min Scan# 368

Delta R.T. -0.019 min

Lab File: VV031666.D

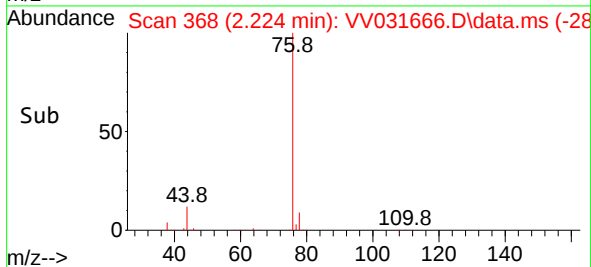
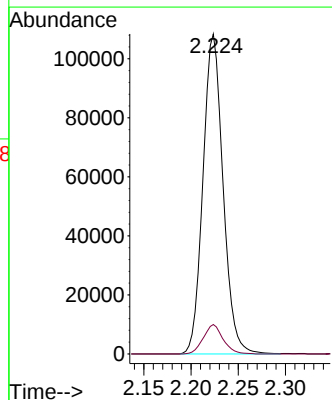
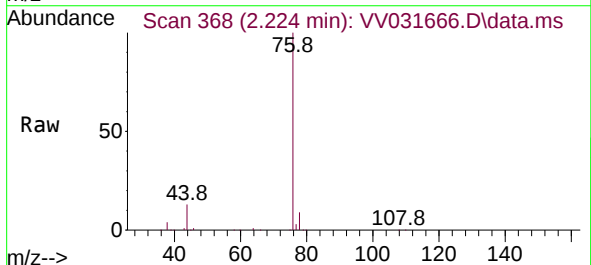
Acq: 10 Jul 2023 14:54

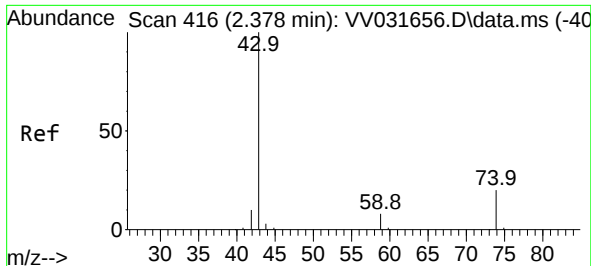
Tgt Ion: 76 Resp: 160264

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

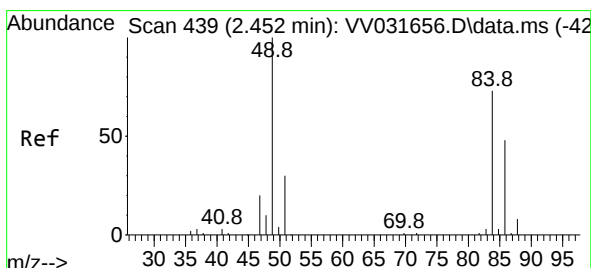
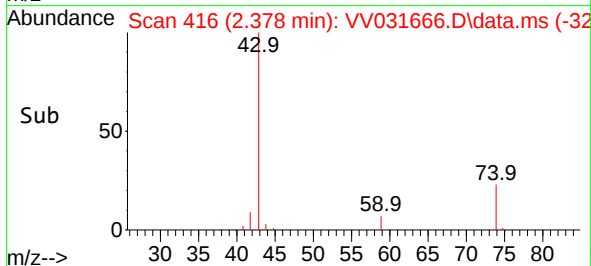
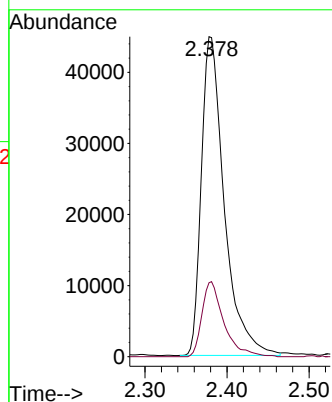
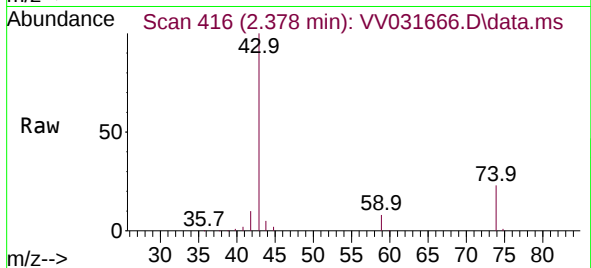




#15
Methyl Acetate
Concen: 52.609 ug/L
RT: 2.378 min Scan# 416
Delta R.T. 0.003 min
Lab File: VV031666.D
Acq: 10 Jul 2023 14:54

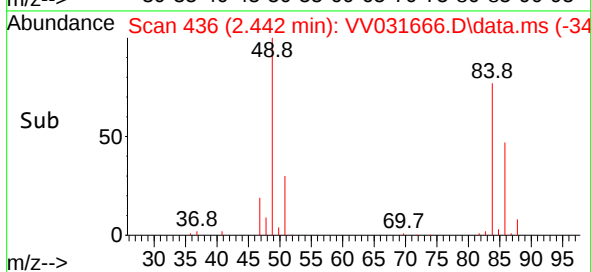
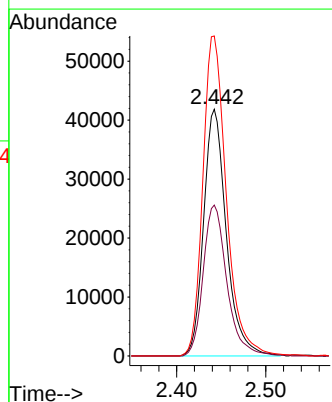
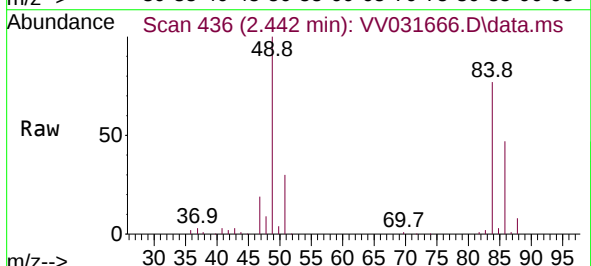
Instrument :
MSVOA_V
ClientSampleId :
DCHB3MSD

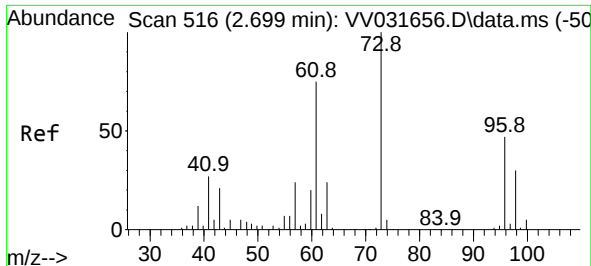
Tgt Ion: 43 Resp: 87189
Ion Ratio Lower Upper
43 100
74 22.4 17.8 26.6



#16
Methylene chloride
Concen: 43.175 ug/L
RT: 2.442 min Scan# 436
Delta R.T. -0.006 min
Lab File: VV031666.D
Acq: 10 Jul 2023 14:54

Tgt Ion: 84 Resp: 74141
Ion Ratio Lower Upper
84 100
86 61.1 45.8 85.0
49 129.7 92.1 171.1





#17

trans-1,2-Dichloroethene

Concen: 43.098 ug/L

RT: 2.687 min Scan# 51

Delta R.T. -0.010 min

Lab File: VV031666.D

Acq: 10 Jul 2023 14:54

Instrument :

MSVOA_V

ClientSampleId :

DCHB3MSD

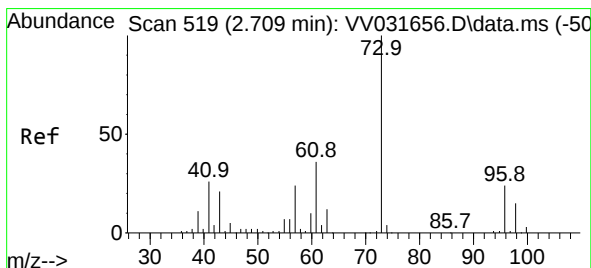
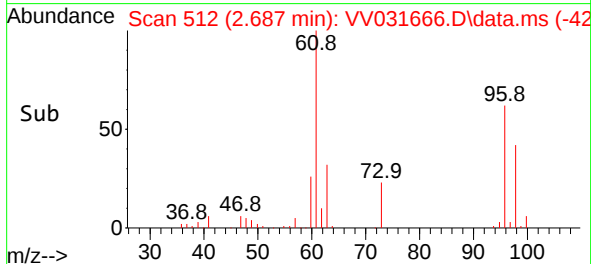
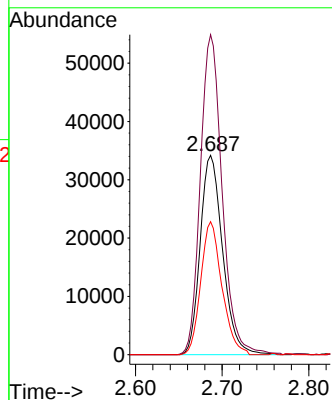
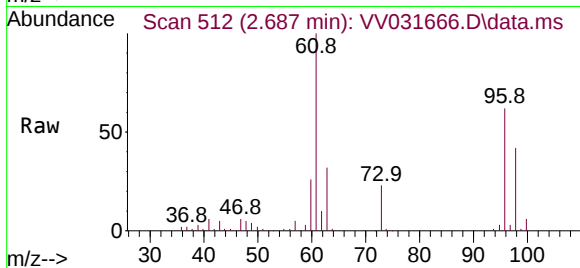
Tgt Ion: 96 Resp: 61619

Ion Ratio Lower Upper

96 100

61 160.6 102.5 190.3

98 66.7 44.1 81.9



#18

Methyl tert-butyl Ether

Concen: 47.922 ug/L

RT: 2.712 min Scan# 520

Delta R.T. 0.003 min

Lab File: VV031666.D

Acq: 10 Jul 2023 14:54

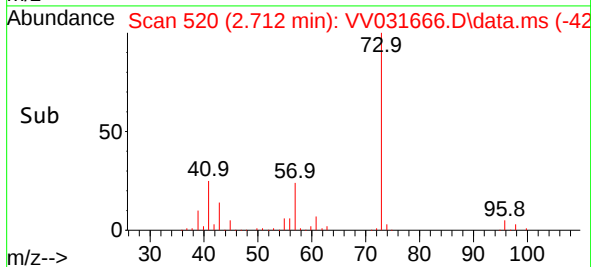
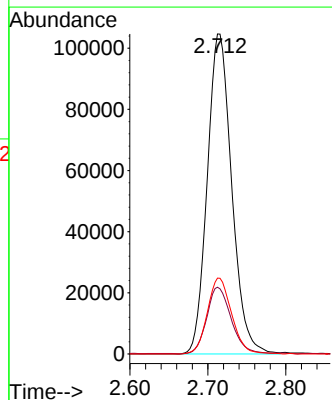
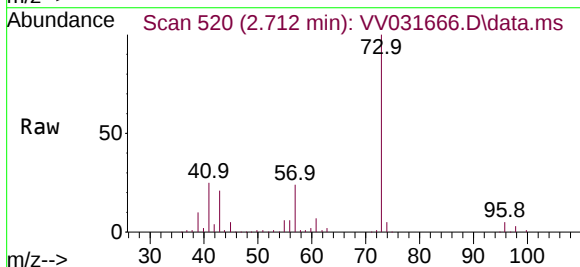
Tgt Ion: 73 Resp: 228617

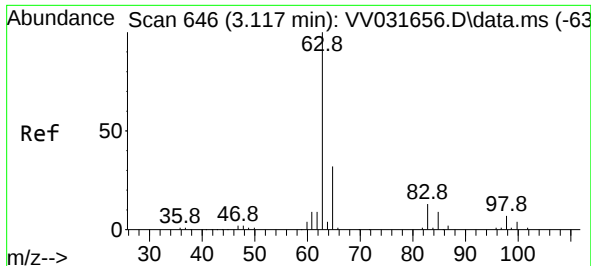
Ion Ratio Lower Upper

73 100

43 21.0 15.0 22.4

57 23.4 18.2 27.4





#19

1,1-Dichloroethane

Concen: 47.111 ug/L

RT: 3.108 min Scan# 64

Delta R.T. -0.006 min

Lab File: VV031666.D

Acq: 10 Jul 2023 14:54

Instrument :

MSVOA_V

ClientSampleId :

DCHB3MSD

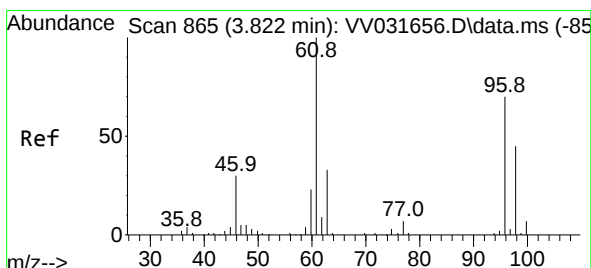
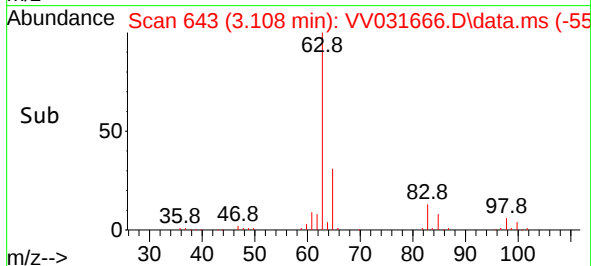
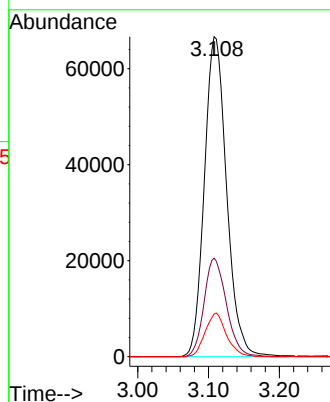
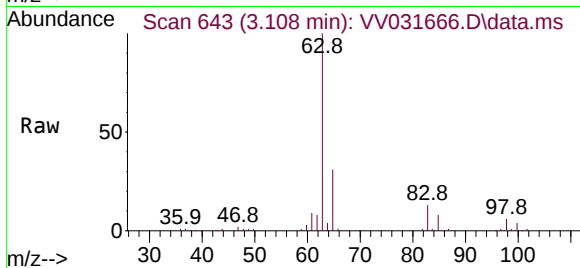
Tgt Ion: 63 Resp: 145374

Ion Ratio Lower Upper

63 100

65 30.8 22.5 41.7

83 14.0 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 45.237 ug/L

RT: 3.815 min Scan# 863

Delta R.T. -0.003 min

Lab File: VV031666.D

Acq: 10 Jul 2023 14:54

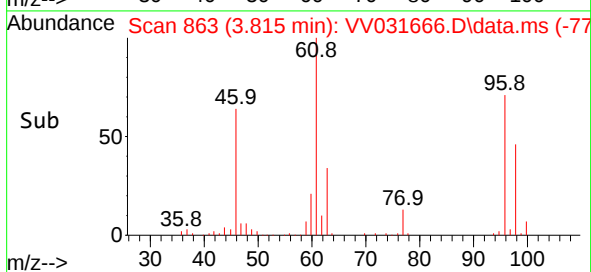
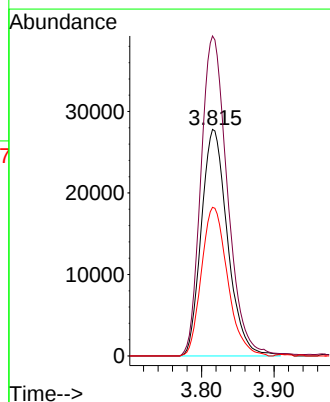
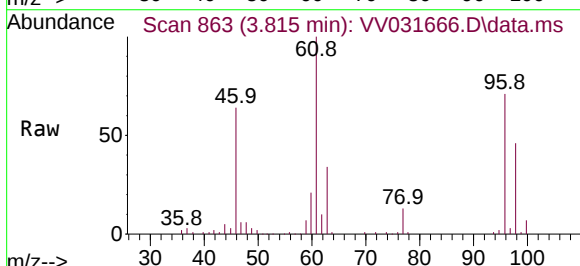
Tgt Ion: 96 Resp: 69895

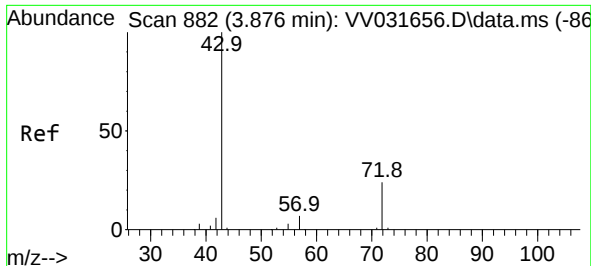
Ion Ratio Lower Upper

96 100

61 141.3 98.6 183.0

98 65.6 45.7 84.9

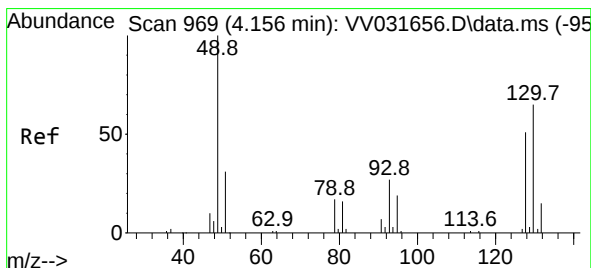
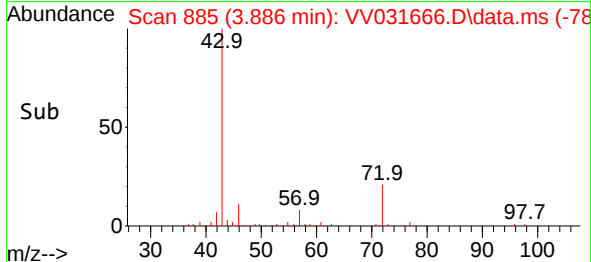
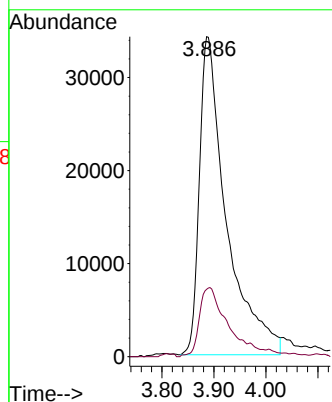
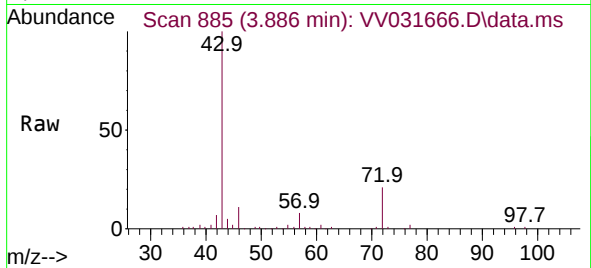




#22
2-Butanone
Concen: 100.336 ug/L
RT: 3.886 min Scan# 882
Delta R.T. 0.016 min
Lab File: VV031666.D
Acq: 10 Jul 2023 14:54

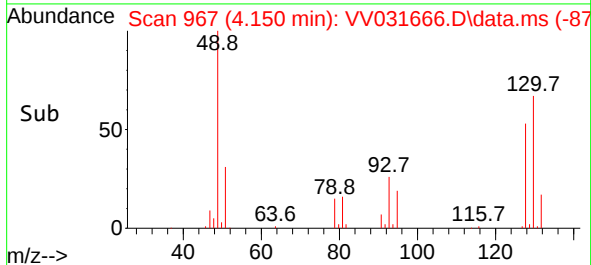
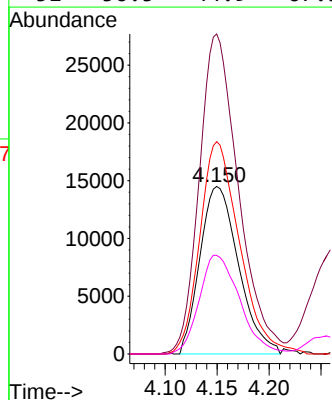
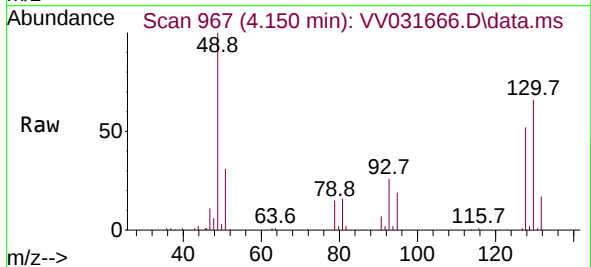
Instrument :
MSVOA_V
ClientSampleId :
DCHB3MSD

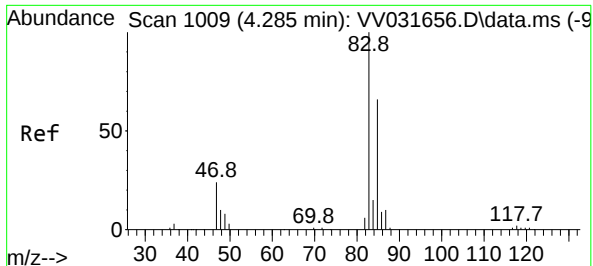
Tgt Ion: 43 Resp: 123383
Ion Ratio Lower Upper
43 100
72 20.1 12.2 36.4



#23
Bromochloromethane
Concen: 44.907 ug/L
RT: 4.150 min Scan# 967
Delta R.T. -0.003 min
Lab File: VV031666.D
Acq: 10 Jul 2023 14:54

Tgt Ion: 128 Resp: 37506
Ion Ratio Lower Upper
128 100
49 183.4 120.6 224.0
130 123.9 88.1 163.7
51 56.5 44.9 67.3





#25

Chloroform

Concen: 47.086 ug/L

RT: 4.281 min Scan# 1009

Delta R.T. 0.000 min

Lab File: VV031666.D

Acq: 10 Jul 2023 14:54

Instrument :

MSVOA_V

ClientSampleId :

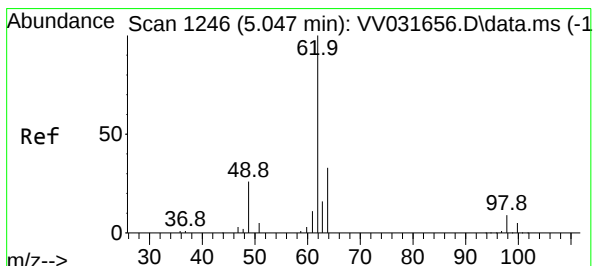
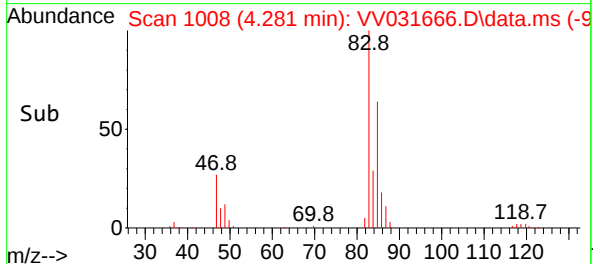
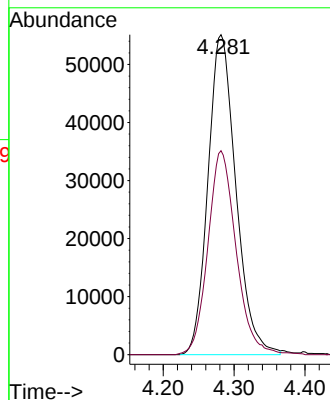
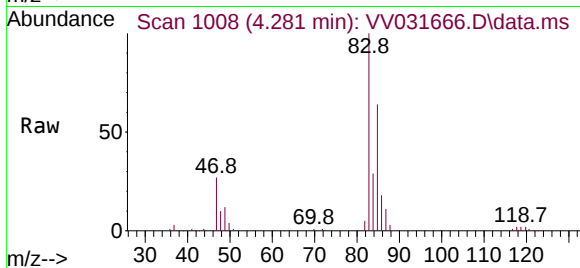
DCHB3MSD

Tgt Ion: 83 Resp: 151041

Ion Ratio Lower Upper

83 100

85 63.8 45.3 84.1



#27

1,2-Dichloroethane

Concen: 49.983 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.003 min

Lab File: VV031666.D

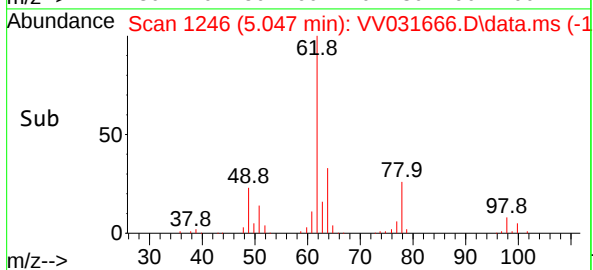
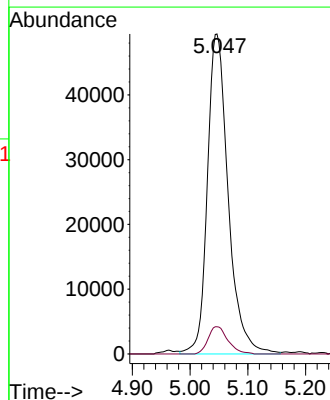
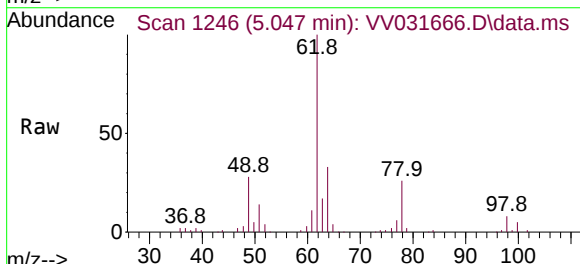
Acq: 10 Jul 2023 14:54

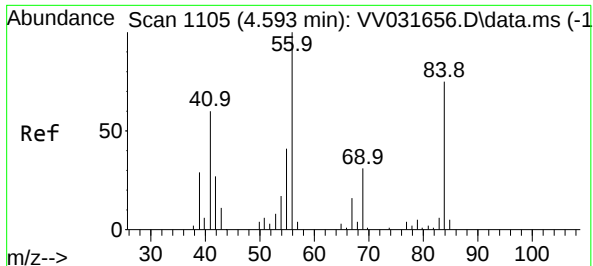
Tgt Ion: 62 Resp: 123744

Ion Ratio Lower Upper

62 100

98 8.5 6.6 9.8





#29

Cyclohexane

Concen: 42.123 ug/L

RT: 4.580 min Scan# 1105

Delta R.T. -0.006 min

Lab File: VV031666.D

Acq: 10 Jul 2023 14:54

Instrument :

MSVOA_V

ClientSampleId :

DCHB3MSD

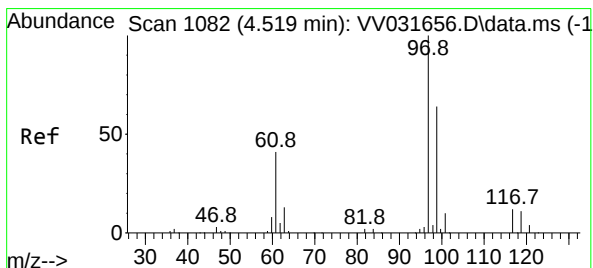
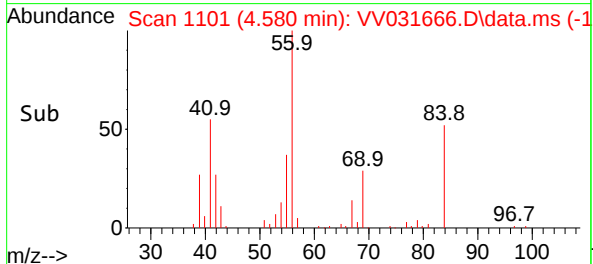
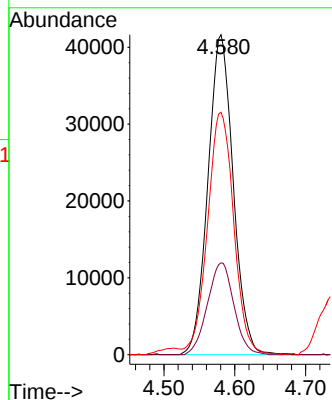
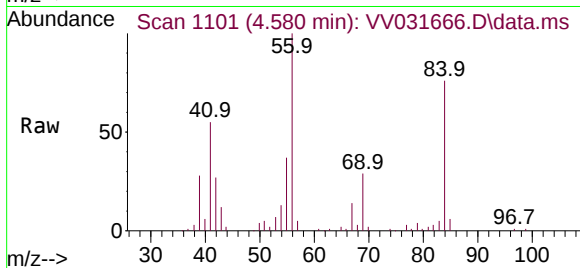
Tgt Ion: 56 Resp: 103090

Ion Ratio Lower Upper

56 100

69 30.0 24.3 36.5

84 78.7 65.0 97.6



#30

1,1,1-Trichloroethane

Concen: 43.878 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. -0.003 min

Lab File: VV031666.D

Acq: 10 Jul 2023 14:54

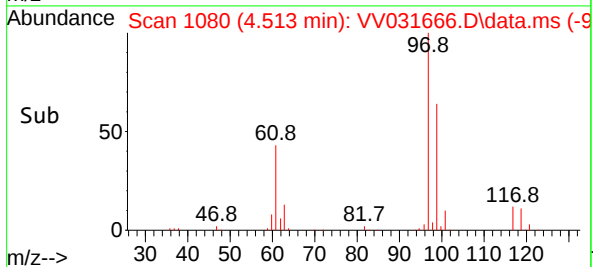
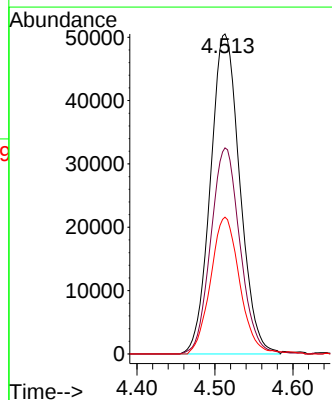
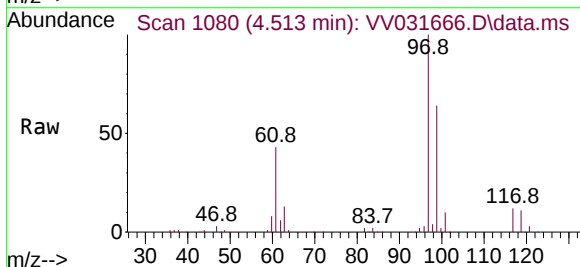
Tgt Ion: 97 Resp: 132331

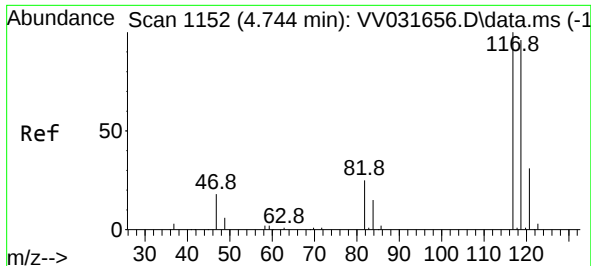
Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.6

61 42.4 33.0 49.6

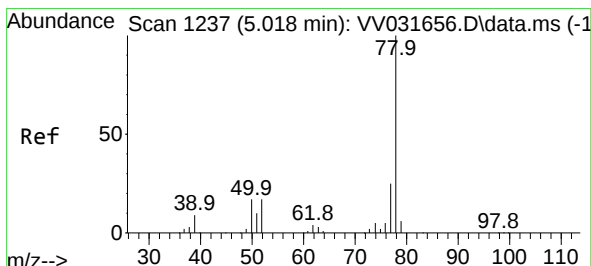
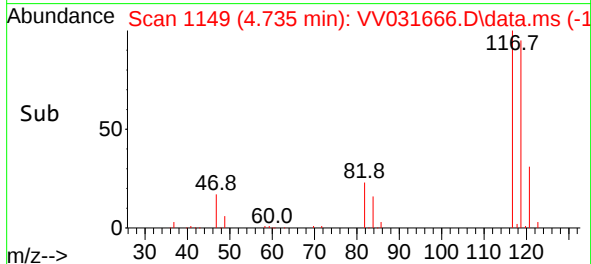
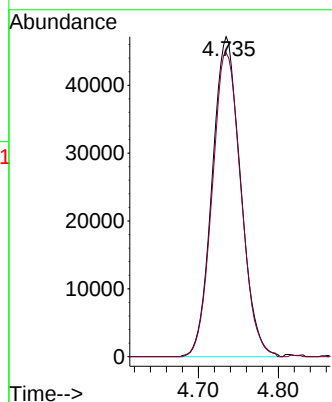
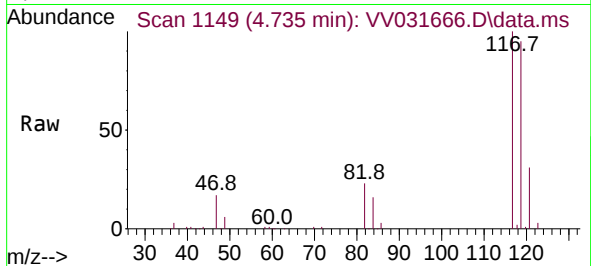




#31
Carbon tetrachloride
Concen: 43.487 ug/L
RT: 4.735 min Scan# 1152
Delta R.T. -0.006 min
Lab File: VV031666.D
Acq: 10 Jul 2023 14:54

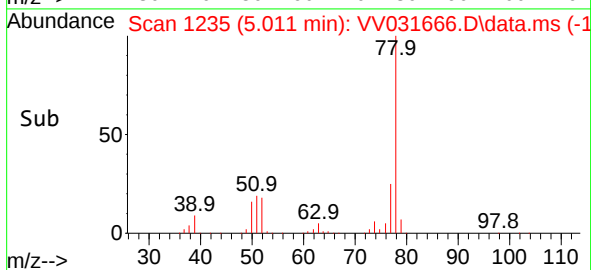
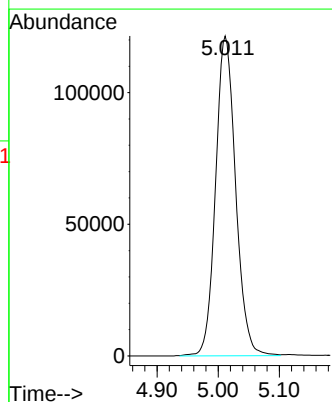
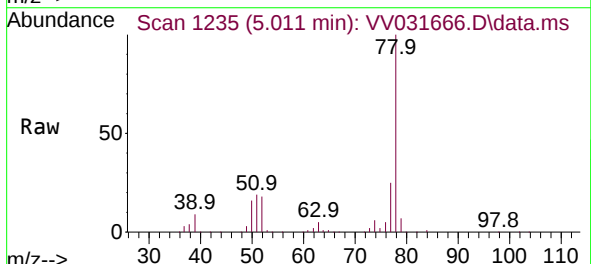
Instrument :
MSVOA_V
ClientSampleId :
DCHB3MSD

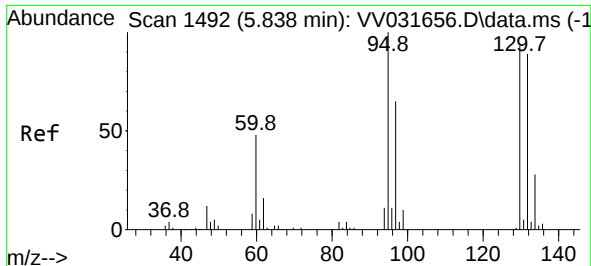
Tgt Ion:117 Resp: 116206
Ion Ratio Lower Upper
117 100
119 96.2 76.2 114.4



#33
Benzene
Concen: 44.147 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. -0.003 min
Lab File: VV031666.D
Acq: 10 Jul 2023 14:54

Tgt Ion: 78 Resp: 276484



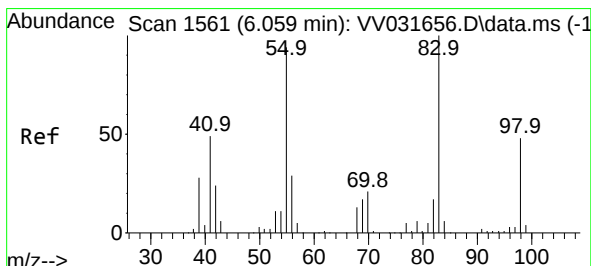
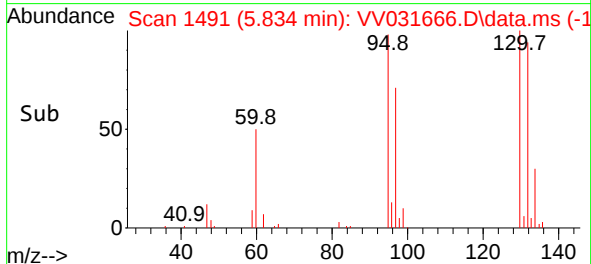
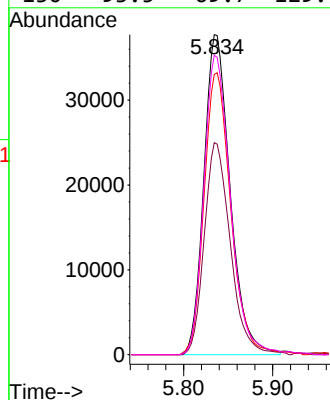
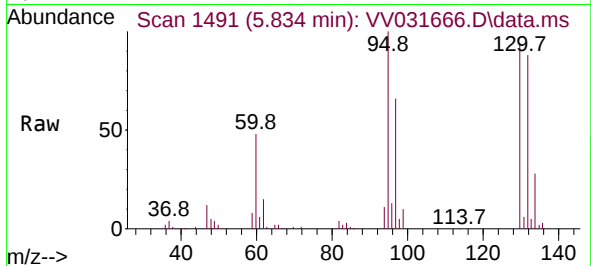


#34
Trichloroethene
Concen: 46.164 ug/L
RT: 5.834 min Scan# 1492
Delta R.T. -0.003 min
Lab File: VV031666.D
Acq: 10 Jul 2023 14:54

Instrument :
MSVOA_V
ClientSampleId :
DCHB3MSD

Tgt Ion: 95 Resp: 77256

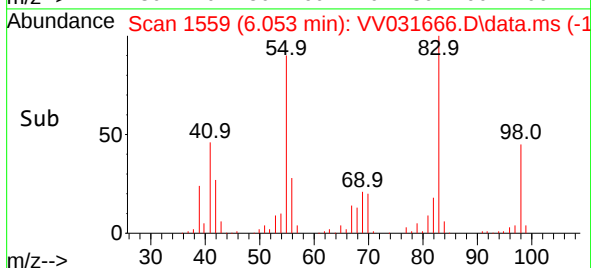
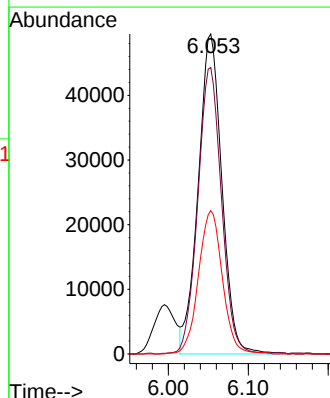
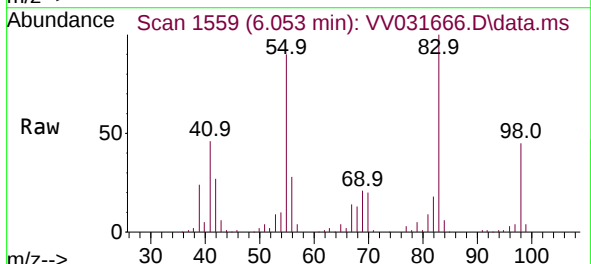
Ion	Ratio	Lower	Upper
95	100		
97	66.3	46.8	86.8
132	92.7	66.4	123.2
130	93.5	69.7	129.4

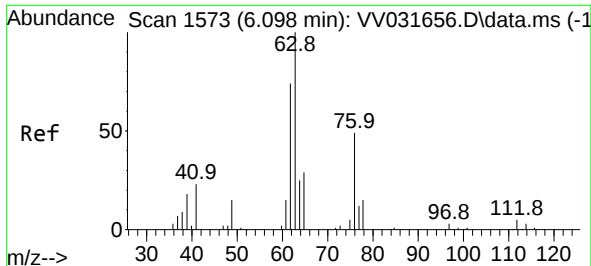


#35
Methylcyclohexane
Concen: 41.374 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. -0.003 min
Lab File: VV031666.D
Acq: 10 Jul 2023 14:54

Tgt Ion: 83 Resp: 102022

Ion	Ratio	Lower	Upper
83	100		
55	89.1	68.7	103.1
98	45.2	37.0	55.4

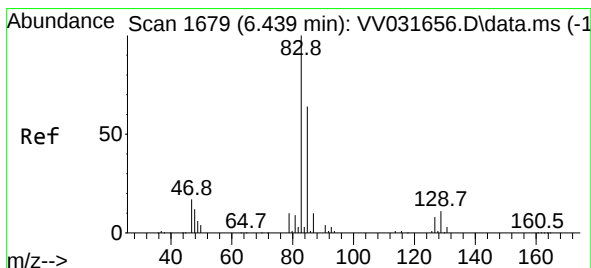
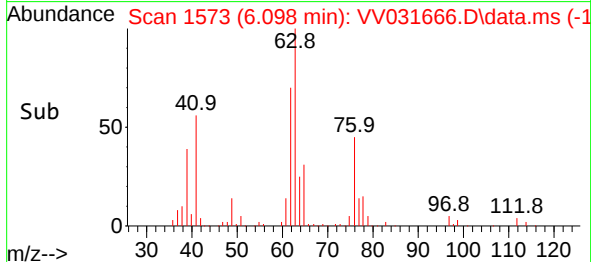
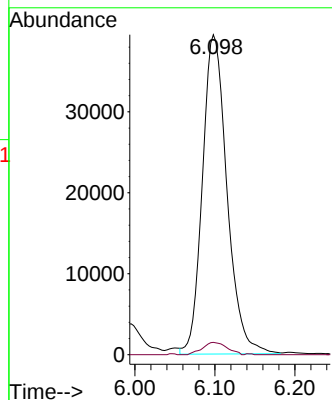
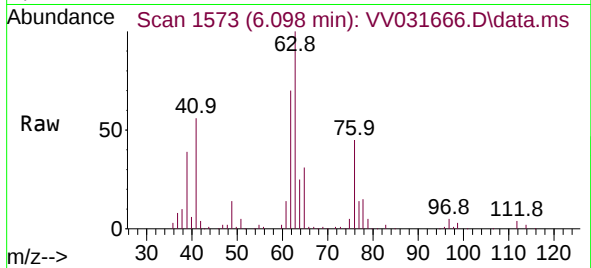




#37
1,2-Dichloropropane
Concen: 45.993 ug/L
RT: 6.098 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031666.D
Acq: 10 Jul 2023 14:54

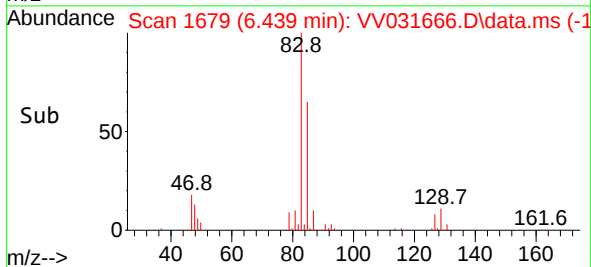
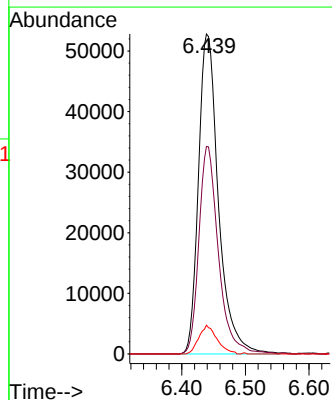
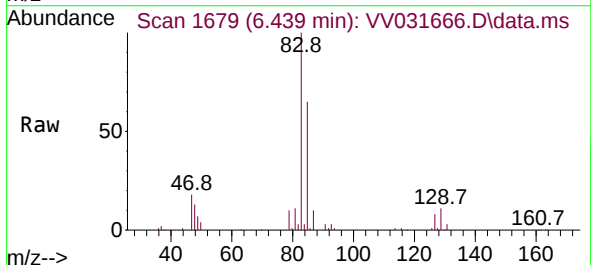
Instrument :
MSVOA_V
ClientSampleId :
DCHB3MSD

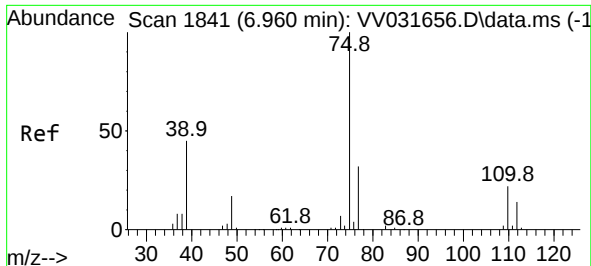
Tgt Ion: 63 Resp: 84582
Ion Ratio Lower Upper
63 100
112 3.8 3.3 4.9



#38
Bromodichloromethane
Concen: 46.450 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. 0.003 min
Lab File: VV031666.D
Acq: 10 Jul 2023 14:54

Tgt Ion: 83 Resp: 115462
Ion Ratio Lower Upper
83 100
85 65.8 45.3 84.1
127 9.0 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 44.971 ug/L

RT: 6.960 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV031666.D

Acq: 10 Jul 2023 14:54

Instrument :

MSVOA_V

ClientSampleId :

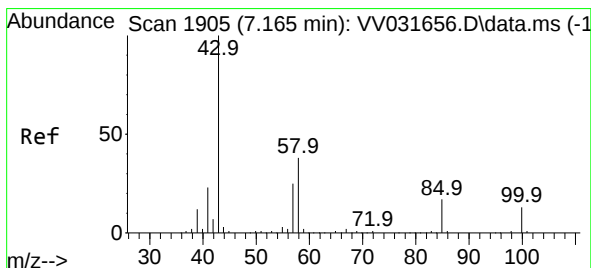
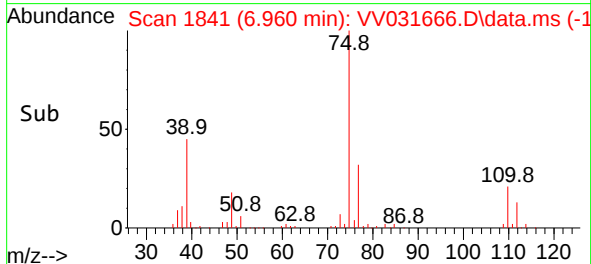
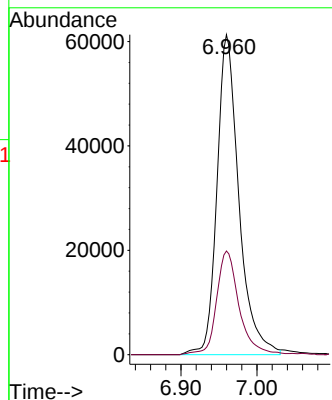
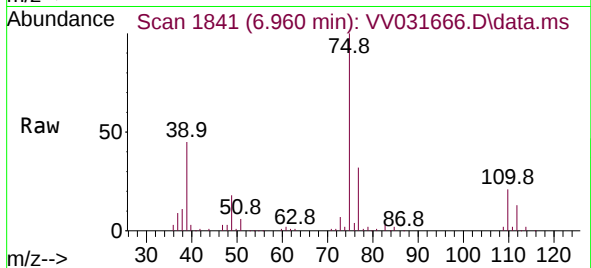
DCHB3MSD

Tgt Ion: 75 Resp: 122768

Ion Ratio Lower Upper

75 100

77 32.4 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 109.063 ug/L

RT: 7.172 min Scan# 1907

Delta R.T. 0.010 min

Lab File: VV031666.D

Acq: 10 Jul 2023 14:54

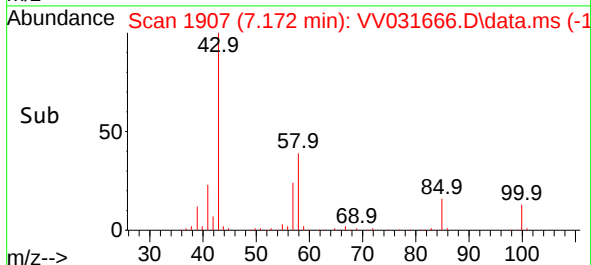
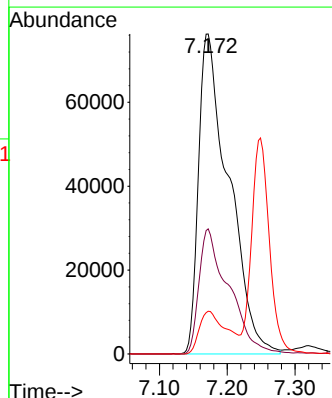
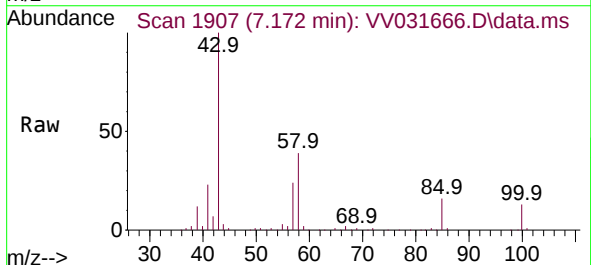
Tgt Ion: 43 Resp: 235511

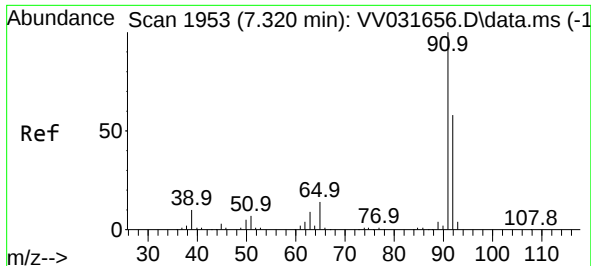
Ion Ratio Lower Upper

43 100

58 38.5 31.8 47.8

100 12.0 11.1 16.7





#42

Toluene

Concen: 45.667 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031666.D

Acq: 10 Jul 2023 14:54

Instrument :

MSVOA_V

ClientSampleId :

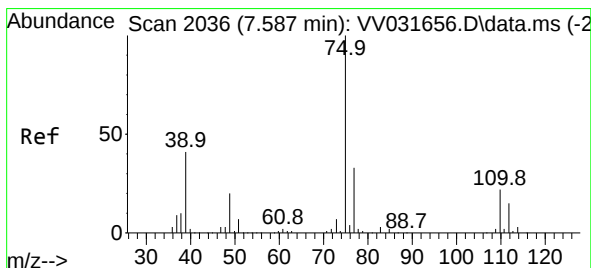
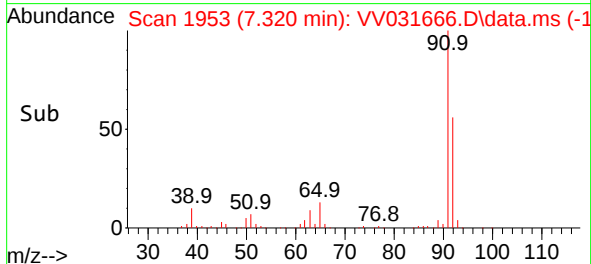
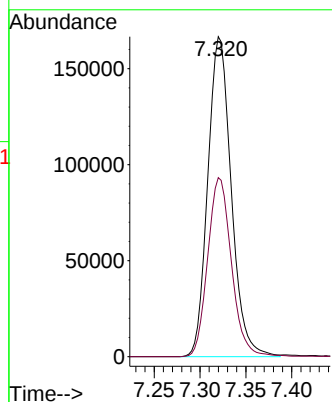
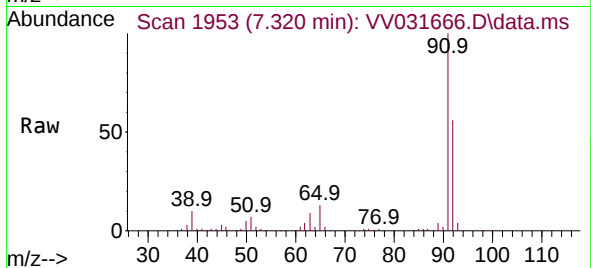
DCHB3MSD

Tgt Ion: 91 Resp: 296538

Ion Ratio Lower Upper

91 100

92 55.9 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 47.279 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.003 min

Lab File: VV031666.D

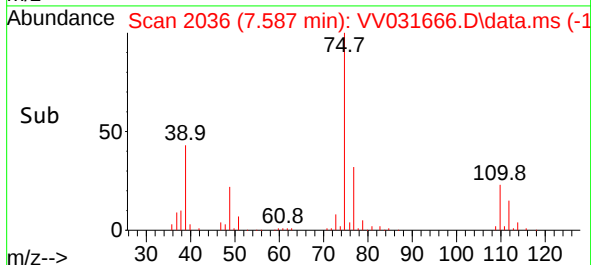
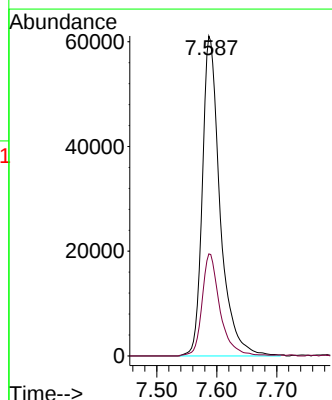
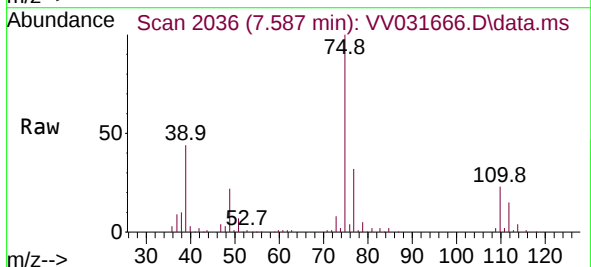
Acq: 10 Jul 2023 14:54

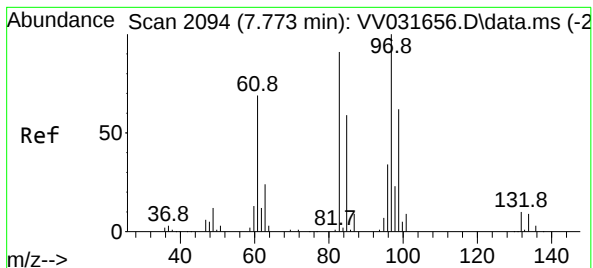
Tgt Ion: 75 Resp: 125691

Ion Ratio Lower Upper

75 100

77 31.9 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 47.129 ug/L

RT: 7.776 min Scan# 2094

Delta R.T. 0.003 min

Lab File: VV031666.D

Acq: 10 Jul 2023 14:54

Instrument :

MSVOA_V

ClientSampleId :

DCHB3MSD

Tgt Ion: 97 Resp: 81876

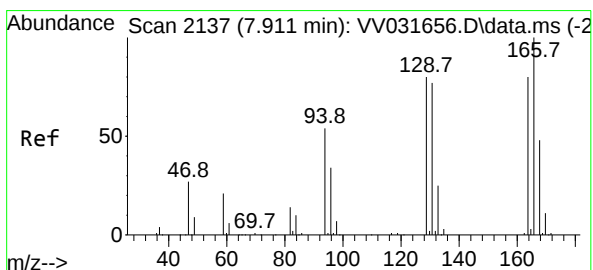
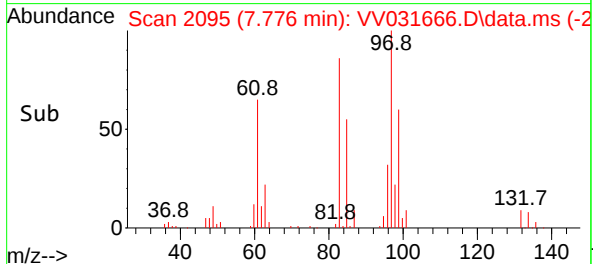
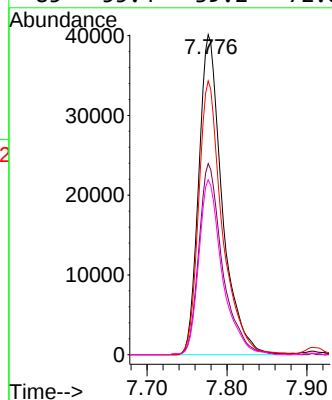
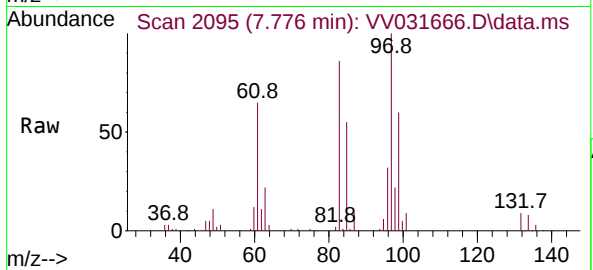
Ion Ratio Lower Upper

97 100

99 59.7 43.7 81.1

83 85.5 60.9 113.1

85 55.4 39.2 72.8



#46

Tetrachloroethene

Concen: 41.982 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV031666.D

Acq: 10 Jul 2023 14:54

Tgt Ion:164 Resp: 55142

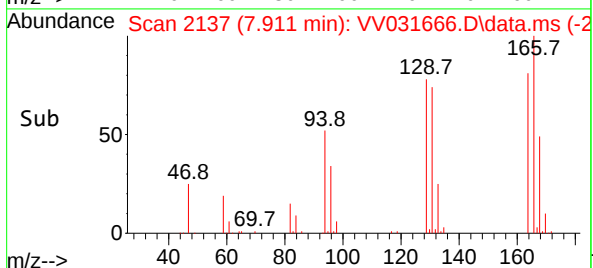
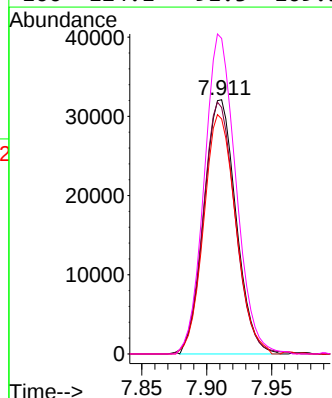
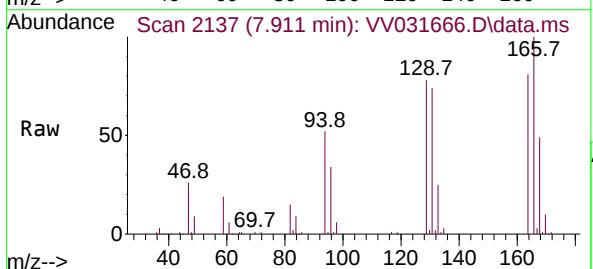
Ion Ratio Lower Upper

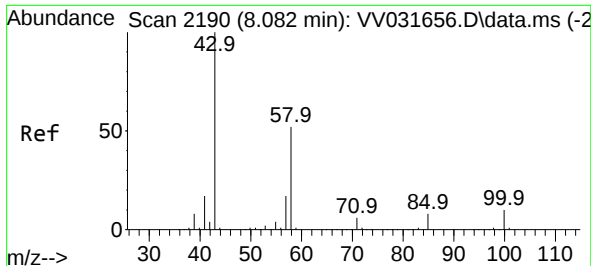
164 100

129 96.9 68.4 127.0

131 92.4 67.6 125.6

166 124.1 91.3 169.5

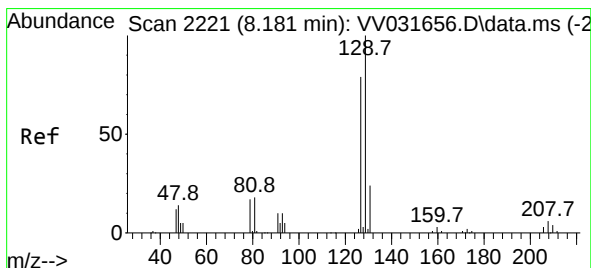
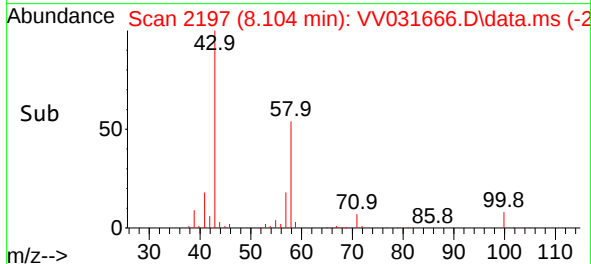
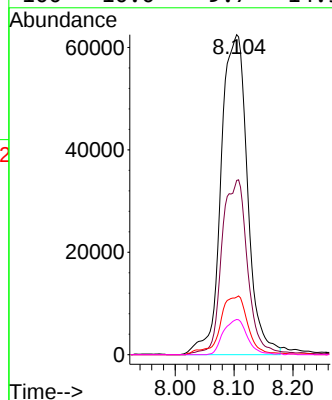
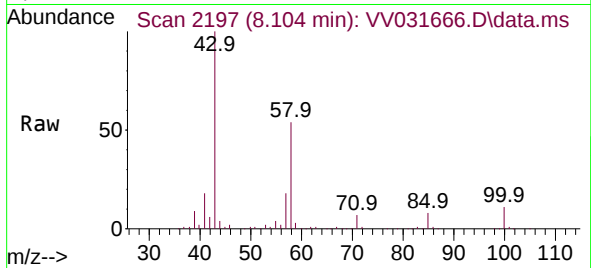




#48
2-Hexanone
Concen: 112.713 ug/L
RT: 8.104 min Scan# 2190
Delta R.T. 0.026 min
Lab File: VV031666.D
Acq: 10 Jul 2023 14:54

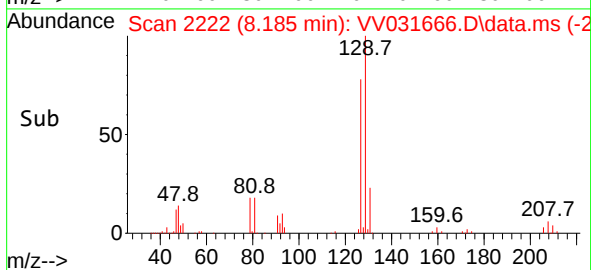
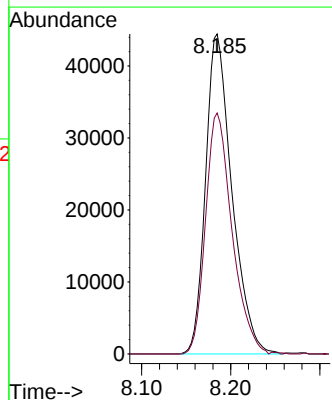
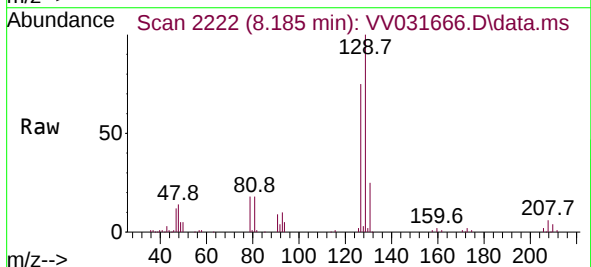
Instrument :
MSVOA_V
ClientSampleId :
DCHB3MSD

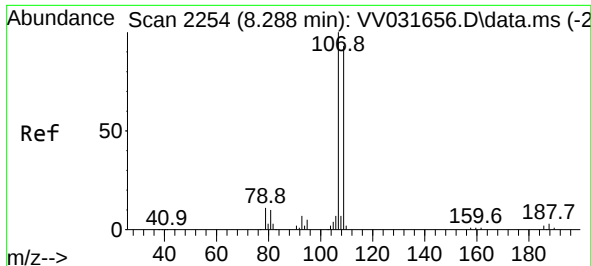
Tgt Ion: 43 Resp: 194388
Ion Ratio Lower Upper
43 100
58 21.7 46.7 70.1#
57 16.7 15.5 23.3
100 10.0 9.7 14.5



#49
Dibromochloromethane
Concen: 47.314 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.003 min
Lab File: VV031666.D
Acq: 10 Jul 2023 14:54

Tgt Ion: 129 Resp: 91354
Ion Ratio Lower Upper
129 100
127 74.0 55.8 103.6





#50

1,2-Dibromoethane

Concen: 46.148 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031666.D

Acq: 10 Jul 2023 14:54

Instrument :

MSVOA_V

ClientSampleId :

DCHB3MSD

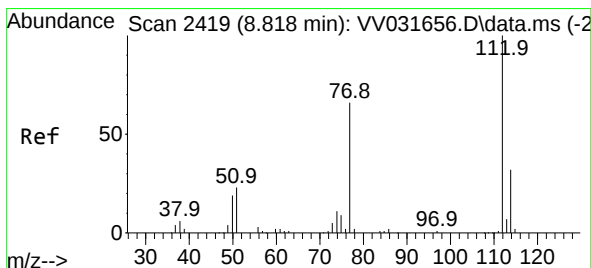
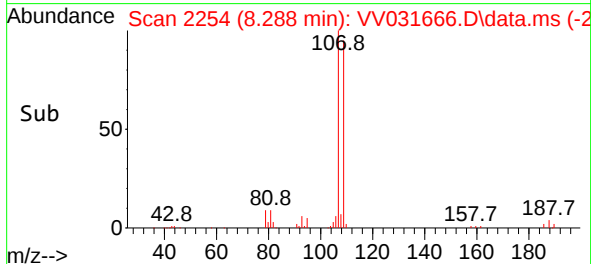
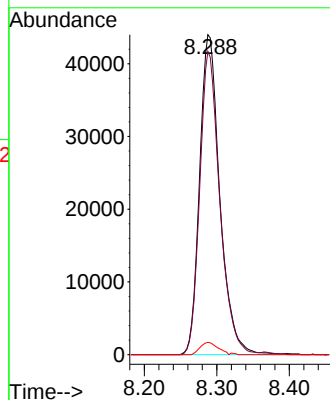
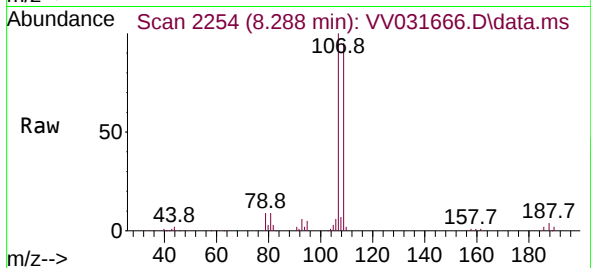
Tgt Ion:107 Resp: 85365

Ion Ratio Lower Upper

107 100

109 94.8 65.7 122.1

188 3.9 2.6 4.0



#51

Chlorobenzene

Concen: 43.853 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.003 min

Lab File: VV031666.D

Acq: 10 Jul 2023 14:54

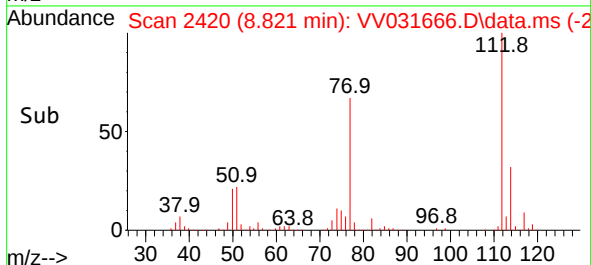
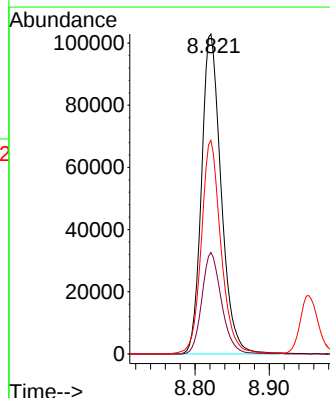
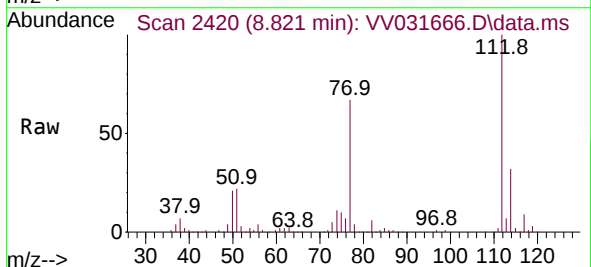
Tgt Ion:112 Resp: 188594

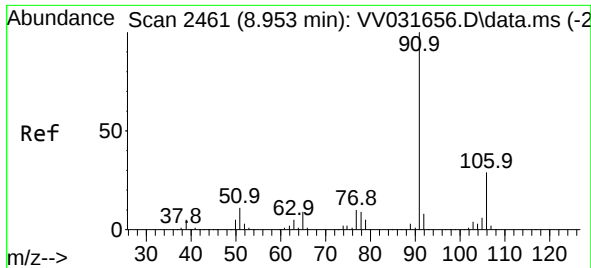
Ion Ratio Lower Upper

112 100

114 31.7 22.9 42.5

77 66.7 52.5 78.7

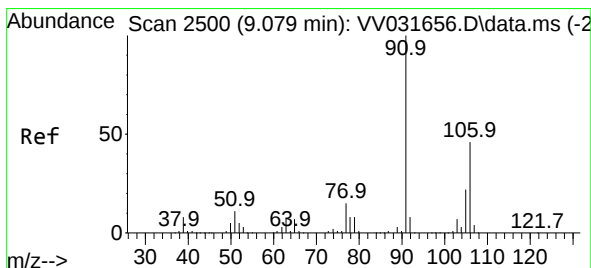
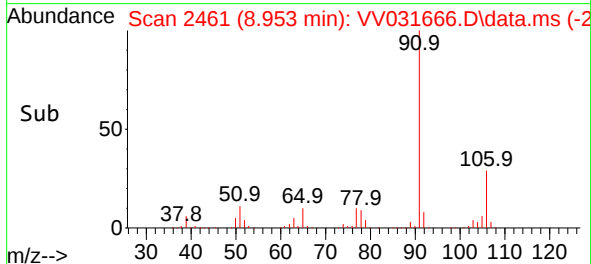
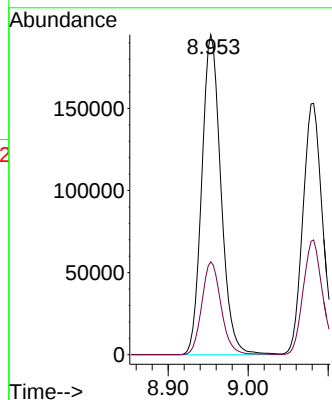
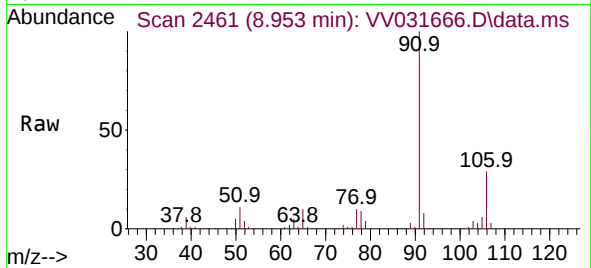




#52
Ethylbenzene
Concen: 44.882 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.003 min
Lab File: VV031666.D
Acq: 10 Jul 2023 14:54

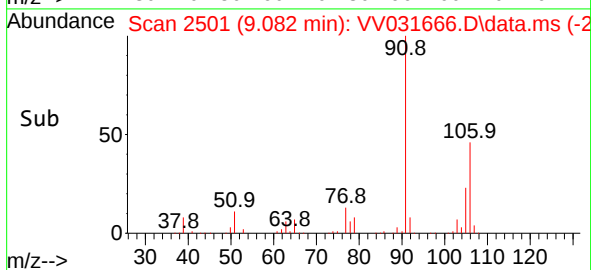
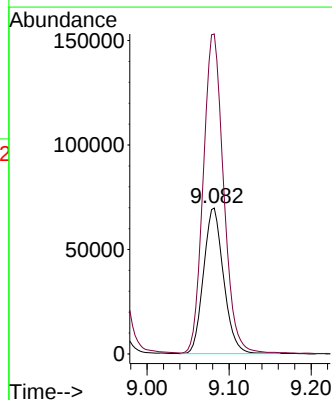
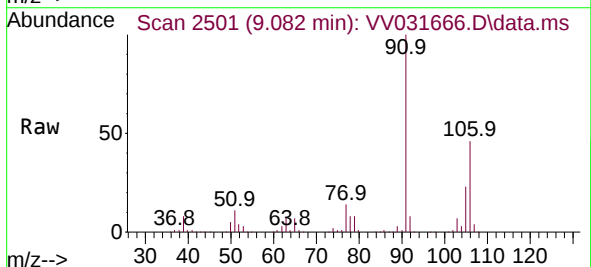
Instrument :
MSVOA_V
ClientSampleId :
DCHB3MSD

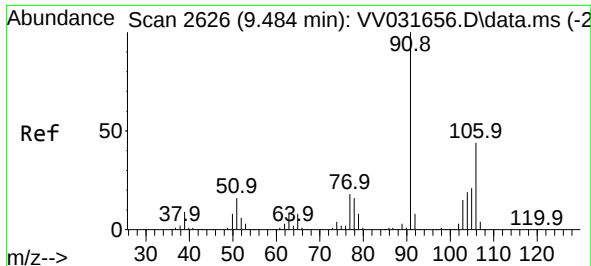
Tgt Ion: 91 Resp: 325195
Ion Ratio Lower Upper
91 100
106 29.0 20.8 38.6



#53
m,p-Xylene
Concen: 44.488 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.003 min
Lab File: VV031666.D
Acq: 10 Jul 2023 14:54

Tgt Ion: 106 Resp: 118046
Ion Ratio Lower Upper
106 100
91 219.2 149.0 276.6

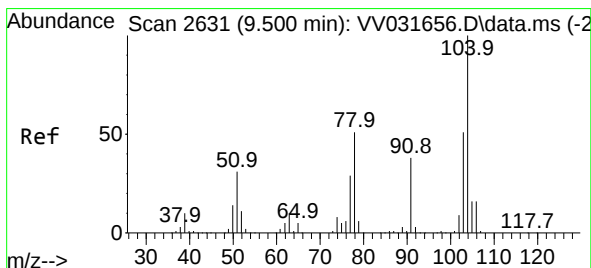
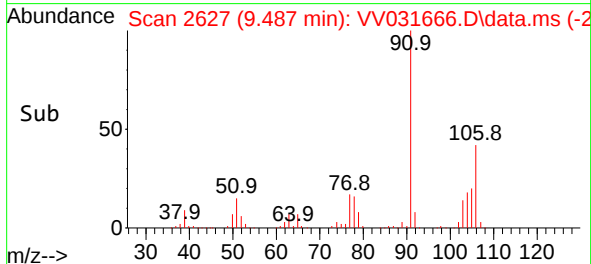
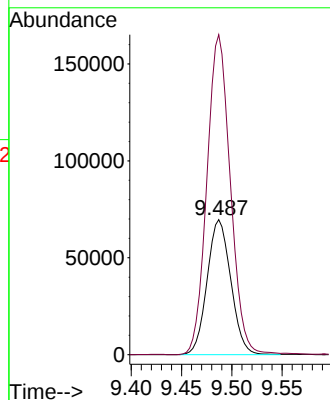
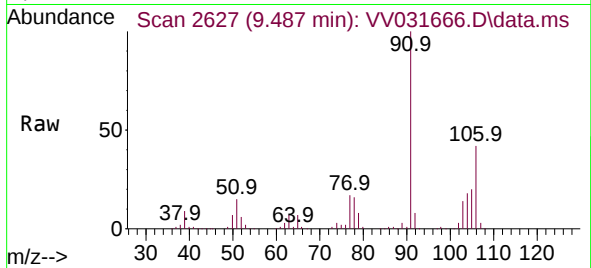




#54
o-Xylene
Concen: 45.376 ug/L
RT: 9.487 min Scan# 2626
Delta R.T. 0.003 min
Lab File: VV031666.D
Acq: 10 Jul 2023 14:54

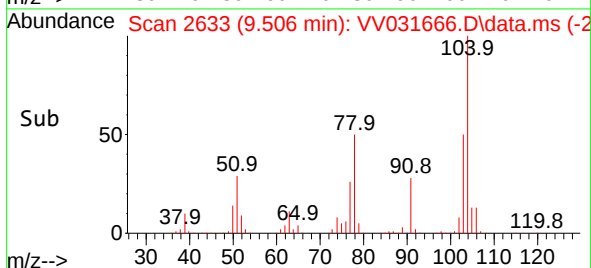
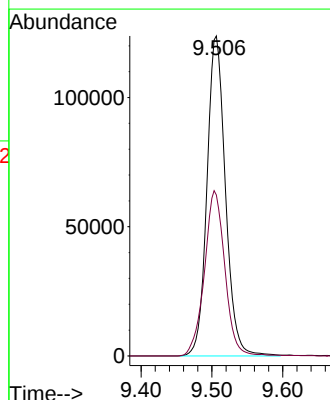
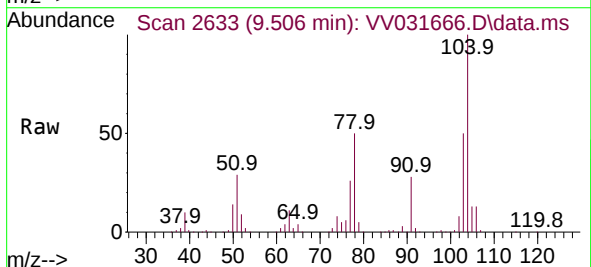
Instrument :
MSVOA_V
ClientSampleId :
DCHB3MSD

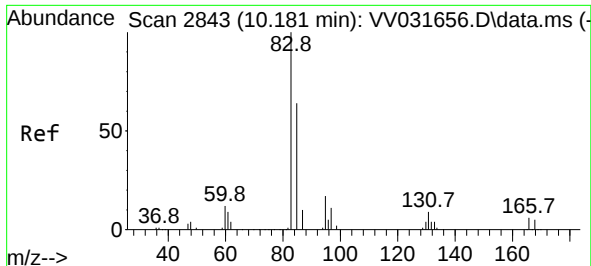
Tgt Ion:106 Resp: 114258
Ion Ratio Lower Upper
106 100
91 237.0 161.3 299.7



#55
Styrene
Concen: 49.874 ug/L
RT: 9.506 min Scan# 2633
Delta R.T. 0.007 min
Lab File: VV031666.D
Acq: 10 Jul 2023 14:54

Tgt Ion:104 Resp: 224287
Ion Ratio Lower Upper
104 100
78 50.3 35.1 65.3

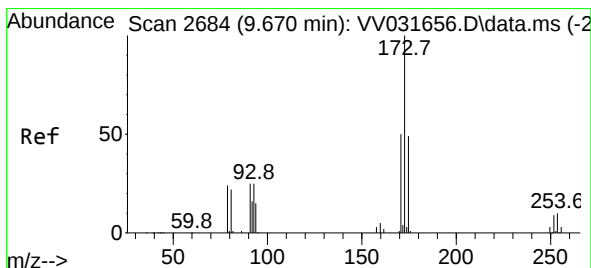
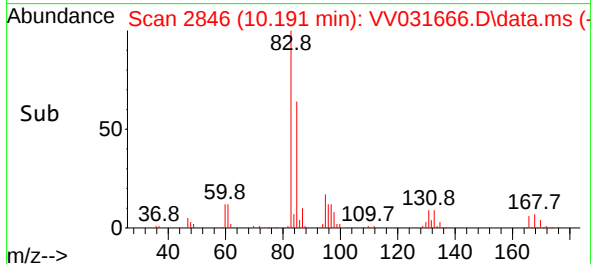
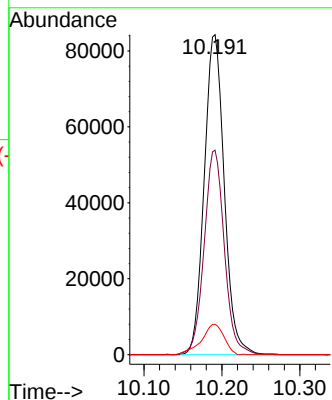
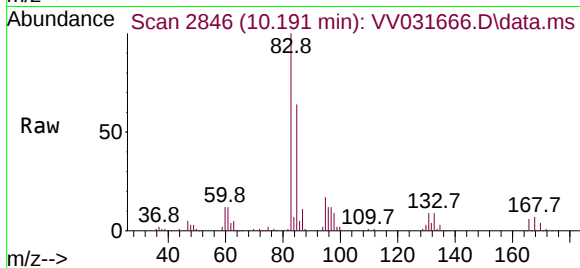




#57
1,1,2,2-Tetrachloroethane
Concen: 53.016 ug/L
RT: 10.191 min Scan# 2846
Delta R.T. 0.010 min
Lab File: VV031666.D
Acq: 10 Jul 2023 14:54

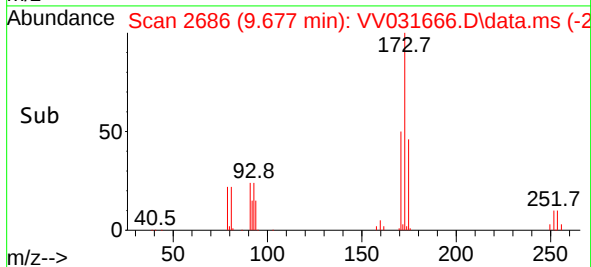
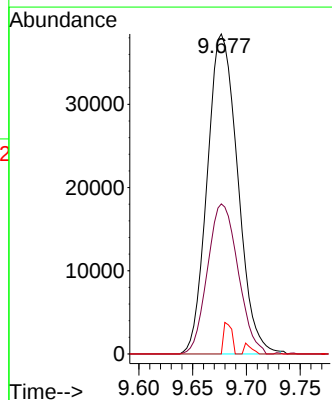
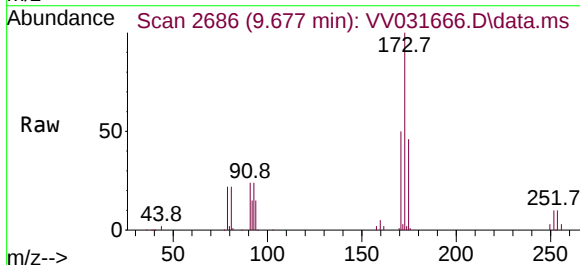
Instrument :
MSVOA_V
ClientSampleId :
DCHB3MSD

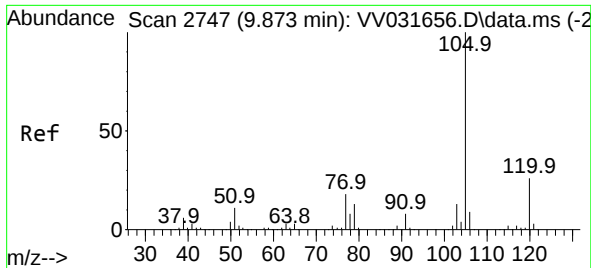
Tgt Ion: 83 Resp: 150490
Ion Ratio Lower Upper
83 100
85 63.9 43.1 80.1
131 13.6 10.6 16.0



#59
Bromoform
Concen: 48.385 ug/L
RT: 9.677 min Scan# 2686
Delta R.T. 0.007 min
Lab File: VV031666.D
Acq: 10 Jul 2023 14:54

Tgt Ion: 173 Resp: 75829
Ion Ratio Lower Upper
173 100
175 47.0 37.7 56.5
254 2.6 0.1 0.1#

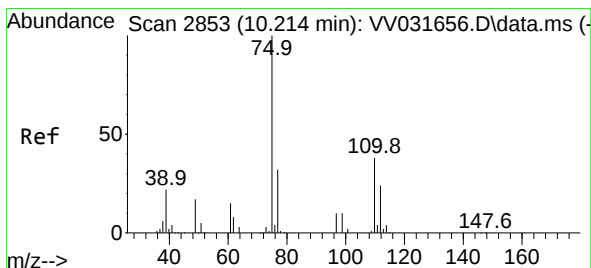
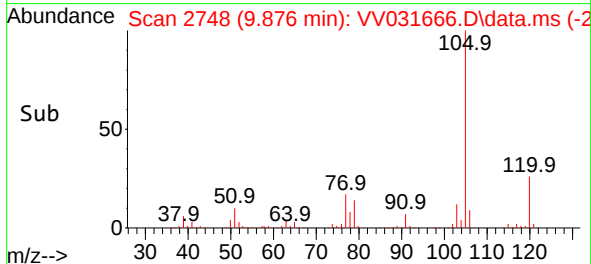
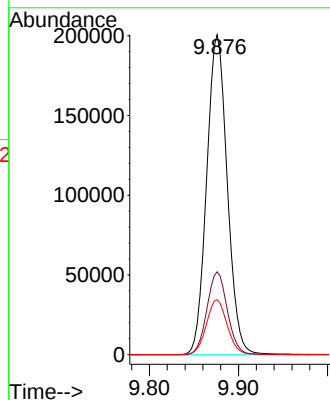
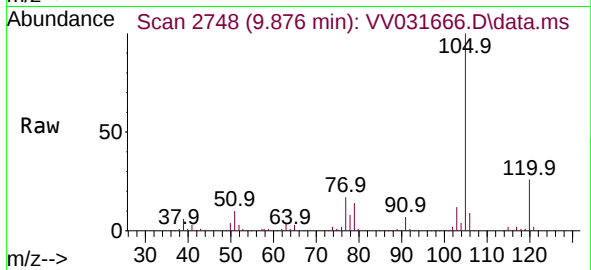




#60
Isopropylbenzene
Concen: 39.935 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV031666.D
Acq: 10 Jul 2023 14:54

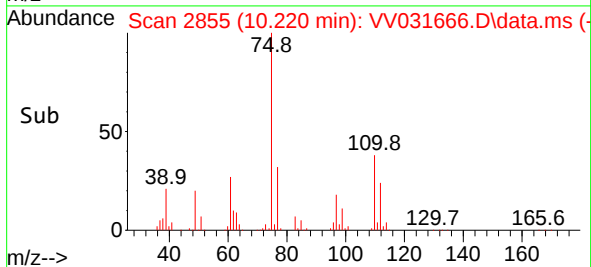
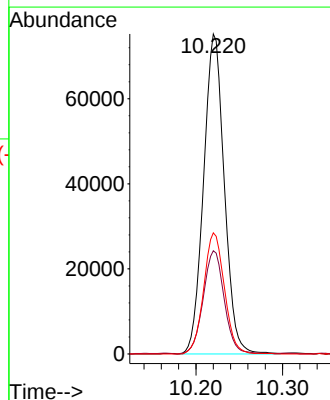
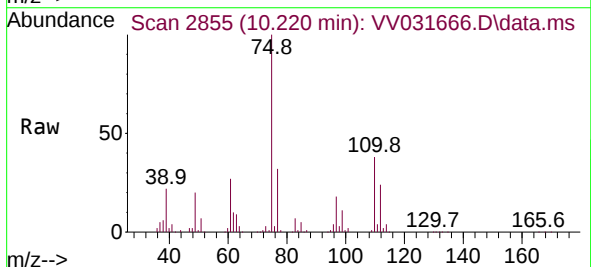
Instrument :
MSVOA_V
ClientSampleId :
DCHB3MSD

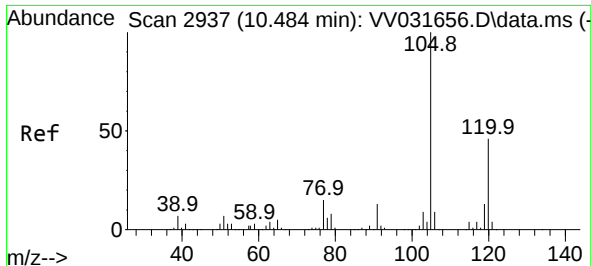
Tgt Ion:105 Resp: 321894
Ion Ratio Lower Upper
105 100
120 25.7 20.2 30.2
77 17.2 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 50.082 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.007 min
Lab File: VV031666.D
Acq: 10 Jul 2023 14:54

Tgt Ion: 75 Resp: 125064
Ion Ratio Lower Upper
75 100
77 32.7 25.4 38.0
110 37.8 31.3 46.9

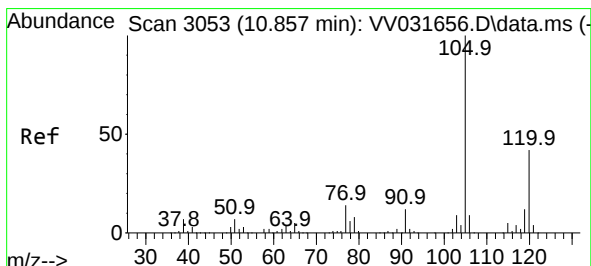
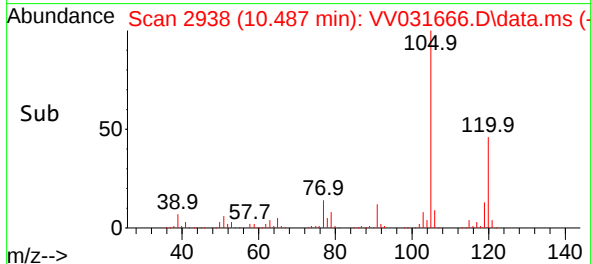
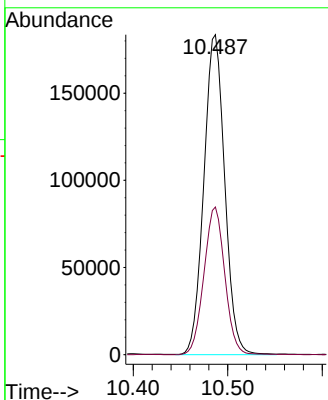
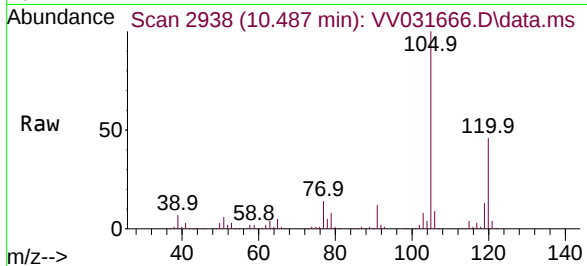




#62
1,3,5-Trimethylbenzene
Concen: 42.315 ug/L
RT: 10.487 min Scan# 2937
Delta R.T. 0.003 min
Lab File: VV031666.D
Acq: 10 Jul 2023 14:54

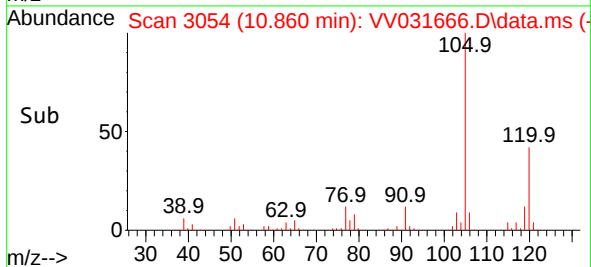
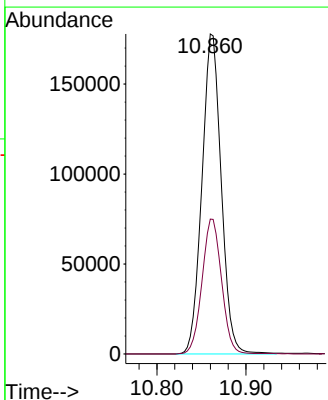
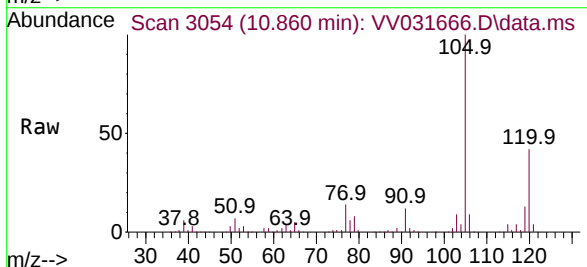
Instrument :
MSVOA_V
ClientSampleId :
DCHB3MSD

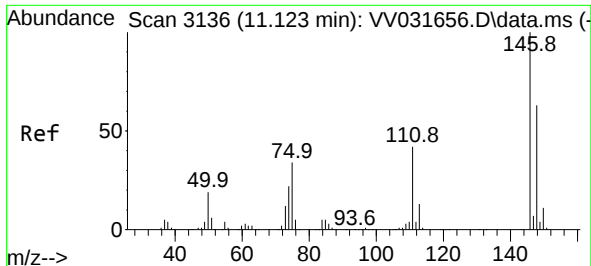
Tgt Ion:105 Resp: 281894
Ion Ratio Lower Upper
105 100
120 46.1 36.2 54.2



#63
1,2,4-Trimethylbenzene
Concen: 43.011 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. 0.003 min
Lab File: VV031666.D
Acq: 10 Jul 2023 14:54

Tgt Ion:105 Resp: 266976
Ion Ratio Lower Upper
105 100
120 42.6 33.4 50.2

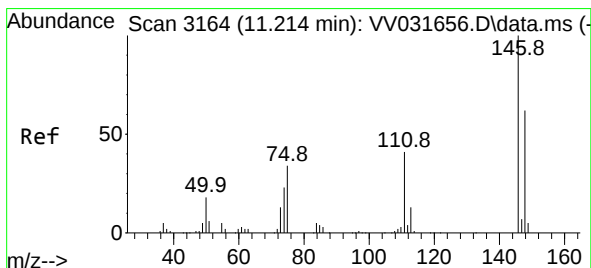
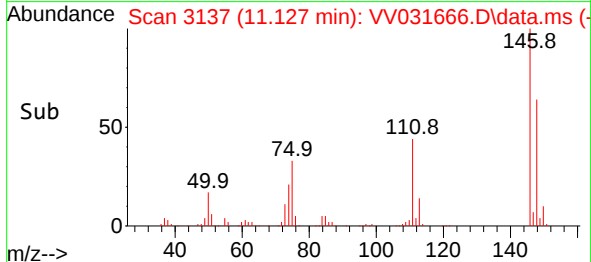
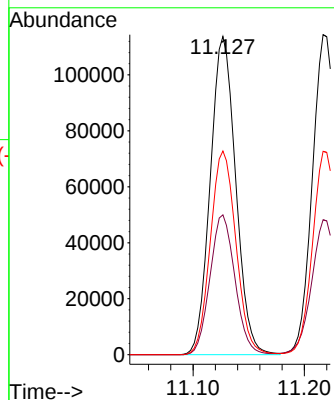
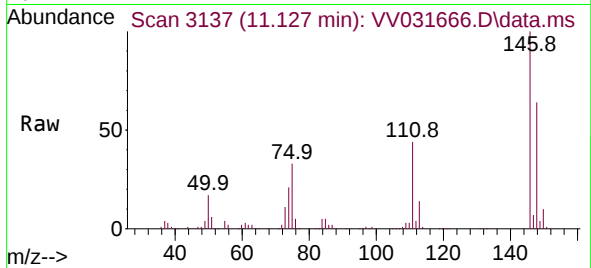




#64
1,3-Dichlorobenzene
Concen: 44.697 ug/L
RT: 11.127 min Scan# 3136
Delta R.T. 0.003 min
Lab File: VV031666.D
Acq: 10 Jul 2023 14:54

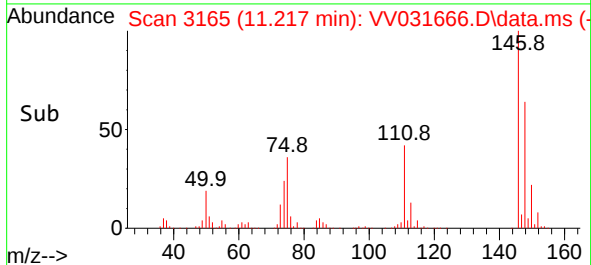
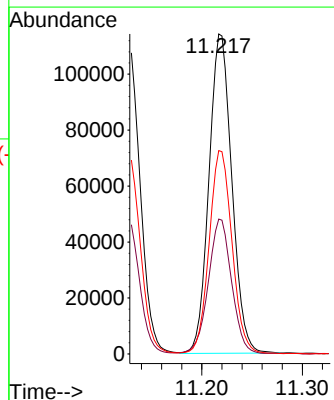
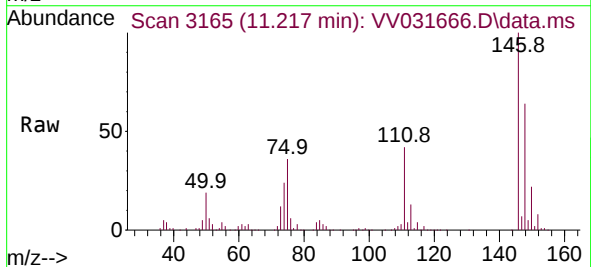
Instrument :
MSVOA_V
ClientSampleId :
DCHB3MSD

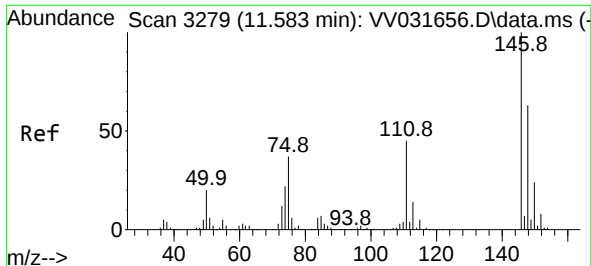
Tgt Ion:146 Resp: 180625
Ion Ratio Lower Upper
146 100
111 44.0 30.4 56.5
148 64.0 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 41.912 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VV031666.D
Acq: 10 Jul 2023 14:54

Tgt Ion:146 Resp: 180480
Ion Ratio Lower Upper
146 100
111 42.1 27.9 51.7
148 63.6 43.6 81.0





#67

1,2-Dichlorobenzene

Concen: 41.141 ug/L

RT: 11.590 min Scan# 31

Delta R.T. 0.007 min

Lab File: VV031666.D

Acq: 10 Jul 2023 14:54

Instrument :

MSVOA_V

ClientSampleId :

DCHB3MSD

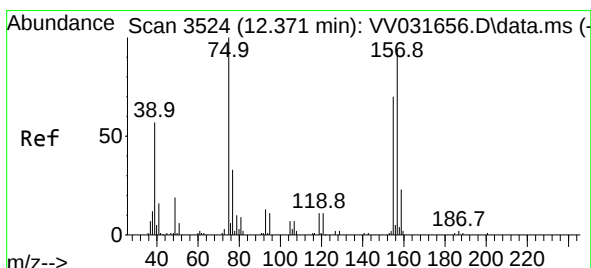
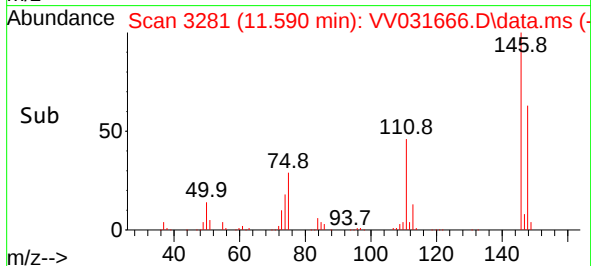
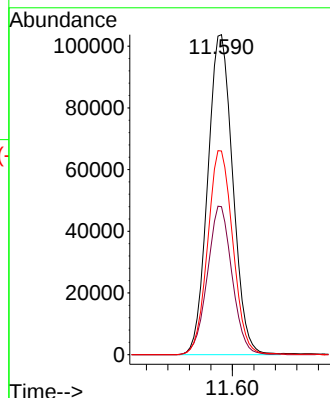
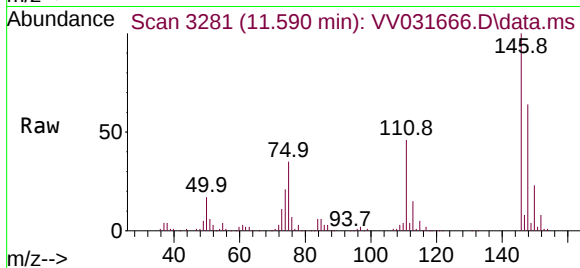
Tgt Ion:146 Resp: 167799

Ion Ratio Lower Upper

146 100

111 46.2 35.9 53.9

148 63.6 52.6 78.8



#68

1,2-Dibromo-3-chloropropane

Concen: 41.271 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. 0.003 min

Lab File: VV031666.D

Acq: 10 Jul 2023 14:54

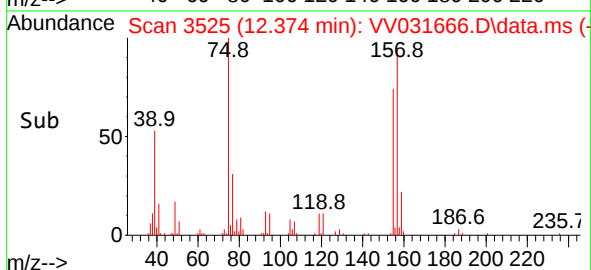
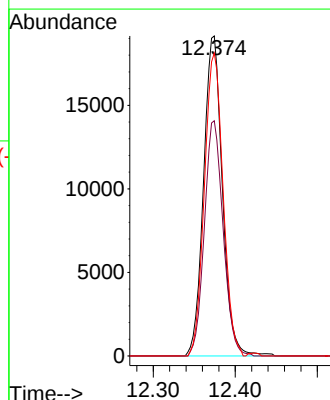
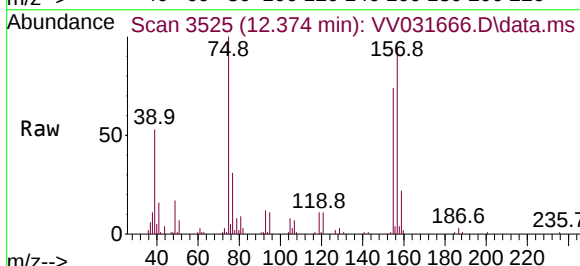
Tgt Ion: 75 Resp: 30589

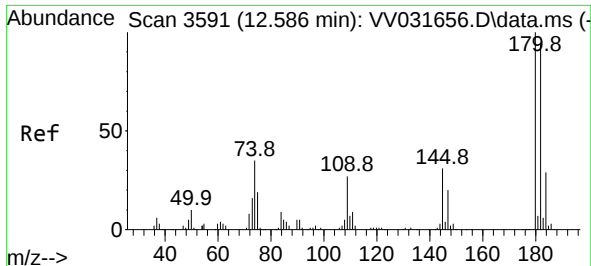
Ion Ratio Lower Upper

75 100

155 77.9 63.2 94.8

157 94.7 85.3 127.9





#69

1,3,5-Trichlorobenzene

Concen: 37.818 ug/L

RT: 12.590 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031666.D

Acq: 10 Jul 2023 14:54

Instrument :

MSVOA_V

ClientSampleId :

DCHB3MSD

Tgt Ion:180 Resp: 116450

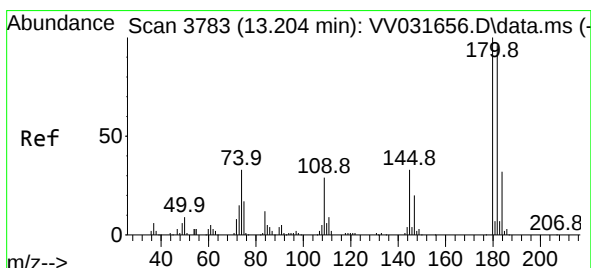
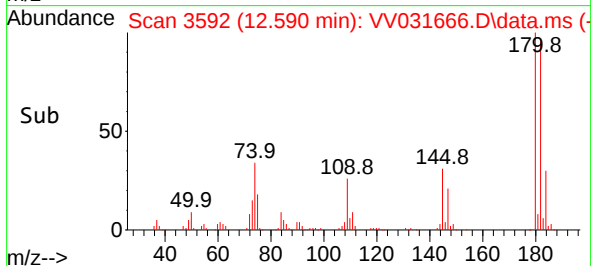
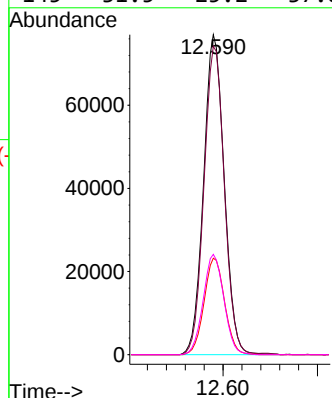
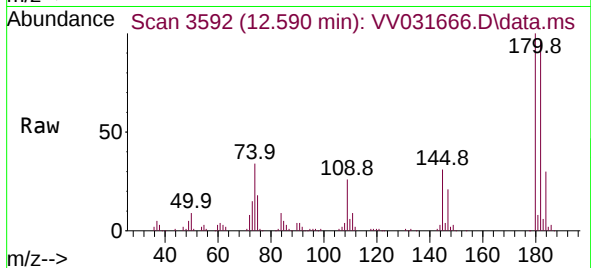
Ion Ratio Lower Upper

180 100

182 95.4 76.6 115.0

184 30.1 24.7 37.1

145 31.5 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 39.742 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.003 min

Lab File: VV031666.D

Acq: 10 Jul 2023 14:54

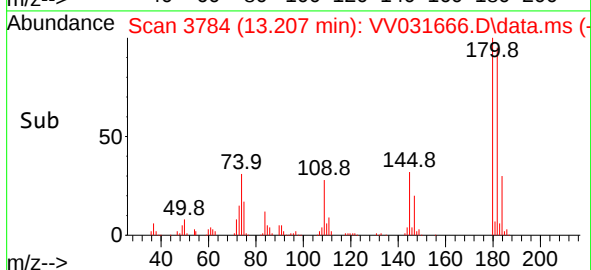
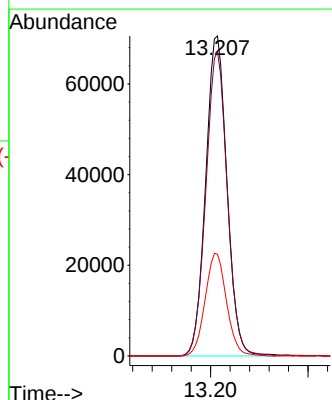
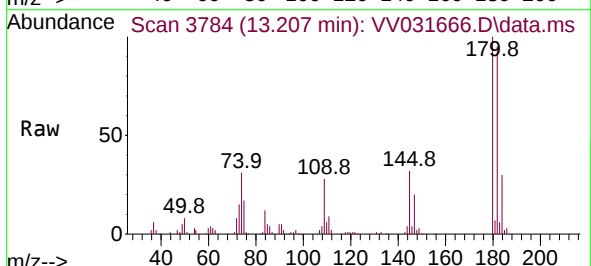
Tgt Ion:180 Resp: 107266

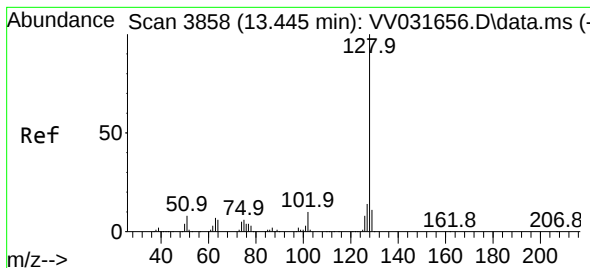
Ion Ratio Lower Upper

180 100

182 95.5 77.7 116.5

145 32.2 26.1 39.1





#71

Naphthalene

Concen: 39.524 ug/L

RT: 13.448 min Scan# 3858

Delta R.T. 0.003 min

Lab File: VV031666.D

Acq: 10 Jul 2023 14:54

Instrument :

MSVOA_V

ClientSampleId :

DCHB3MSD

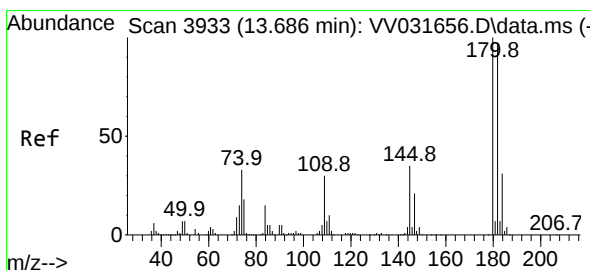
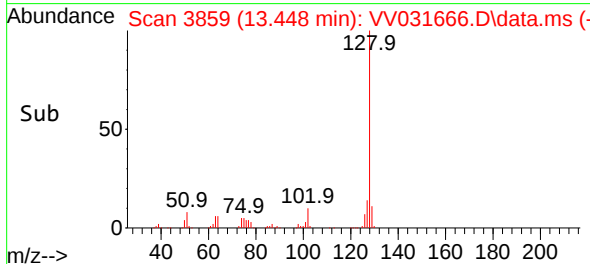
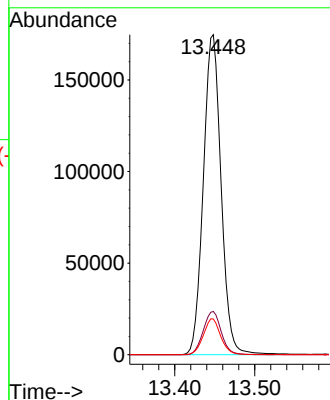
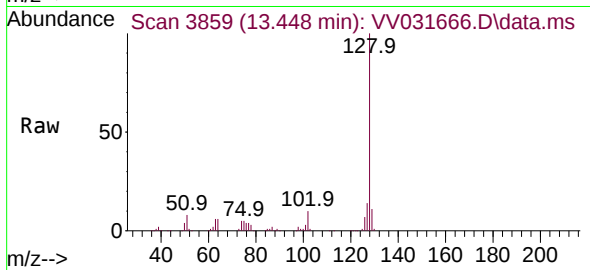
Tgt Ion:128 Resp: 270207

Ion Ratio Lower Upper

128 100

127 13.6 10.6 16.0

129 11.0 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 40.608 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.003 min

Lab File: VV031666.D

Acq: 10 Jul 2023 14:54

Tgt Ion:180 Resp: 113894

Ion Ratio Lower Upper

180 100

182 93.8 74.0 111.0

145 33.4 26.2 39.2

