

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032023\
 Data File : VW030269.D
 Acq On : 20 Mar 2023 19:59
 Operator : SY/MD
 Sample : 01997-04MSD
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0BC9MSD

Quant Time: Mar 21 02:59:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 17 22:49:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	122364	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	118088	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	64777	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	27588	3.484	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.600%
7) Chloroethane-d5	1.539	69	28020	3.770	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.400%
11) 1,1-Dichloroethene-d2	2.069	63	66695	4.097	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.000%
20) 2-Butanone-d5	3.818	46	79337	54.349	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.700%
24) Chloroform-d	4.262	84	71980	4.450	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
26) 1,2-Dichloroethane-d4	4.953	65	36522	5.532	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.600%
32) Benzene-d6	4.973	84	123665	3.892	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.800%
36) 1,2-Dichloropropane-d6	5.998	67	37014	3.872	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.400%
41) Toluene-d8	7.252	98	120703	4.008	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.200%
43) trans-1,3-Dichloroprop...	7.564	79	14972	4.578	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.600%
46) 2-Hexanone-d5	8.034	63	63757	47.121	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.240%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	28811	4.237	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.800%
66) 1,2-Dichlorobenzene-d4	11.570	152	47521	4.336	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	38741	3.891	ug/L	99
3) Chloromethane	1.217	50	52842	3.368	ug/L	96
5) Vinyl chloride	1.288	62	41700	4.000	ug/L	99
6) Bromomethane	1.494	94	12573	6.718	ug/L	92
8) Chloroethane	1.555	64	25984	4.090	ug/L	99
9) Trichlorofluoromethane	1.719	101	71912	4.807	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	38942	4.198	ug/L	97
12) 1,1-Dichloroethene	2.076	96	32983	4.017	ug/L	87
13) Acetone	2.143	43	54989	50.967	ug/L #	64
14) Carbon disulfide	2.249	76	70542	3.211	ug/L	100
15) Methyl Acetate	2.391	43	11238	4.460	ug/L	94
16) Methylene chloride	2.455	84	33102	3.300	ug/L	90
17) Methyl tert-butyl Ether	2.712	73	74087	4.613	ug/L #	93
18) trans-1,2-Dichloroethene	2.703	96	30735	3.934	ug/L	92
19) 1,1-Dichloroethane	3.121	63	63681	4.376	ug/L	98
21) 2-Butanone	3.899	43	67827	46.744	ug/L	89
22) cis-1,2-Dichloroethene	3.825	96	35469	4.108	ug/L	99
23) Bromochloromethane	4.159	128	16246	4.403	ug/L	97
25) Chloroform	4.288	83	72560	4.793	ug/L	98

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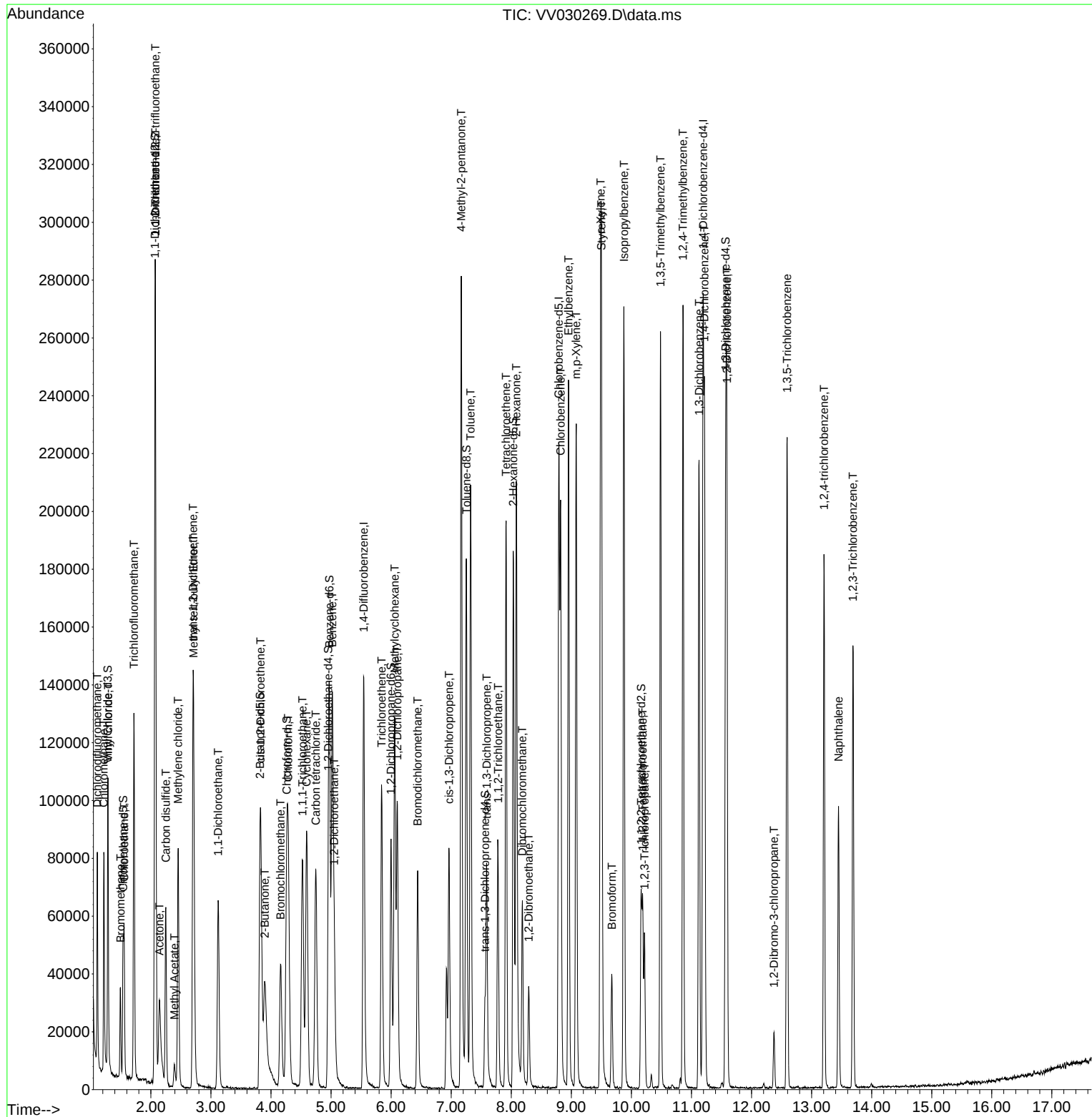
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	42820	5.408	ug/L #	92
29) 1,1,1-Trichloroethane	4.526	97	66288	4.779	ug/L	97
30) Cyclohexane	4.593	56	45848	3.825	ug/L	96
31) Carbon tetrachloride	4.748	117	58590	4.699	ug/L	100
33) Benzene	5.021	78	134800	4.180	ug/L	100
34) Trichloroethene	5.844	95	35901	3.973	ug/L	96
35) Methylcyclohexane	6.059	83	49463	3.617	ug/L	93
37) 1,2-Dichloropropane	6.104	63	34740	4.234	ug/L	97
38) Bromodichloromethane	6.442	83	48006	4.583	ug/L	99
39) cis-1,3-Dichloropropene	6.963	75	48884	4.070	ug/L	100
40) 4-Methyl-2-pentanone	7.169	43	187783	55.464	ug/L	91
42) Toluene	7.323	91	148316	4.246	ug/L	97
44) trans-1,3-Dichloropropene	7.590	75	40846	4.356	ug/L	94
45) 1,1,2-Trichloroethane	7.780	97	24739	4.214	ug/L	98
47) Tetrachloroethene	7.915	164	43726	5.637	ug/L	98
48) 2-Hexanone	8.085	43	134008	55.289	ug/L	92
49) Dibromochloromethane	8.185	129	30848	4.490	ug/L	95
50) 1,2-Dibromoethane	8.291	107	22037	4.023	ug/L #	100
51) Chlorobenzene	8.821	112	98564	4.184	ug/L	97
52) Ethylbenzene	8.953	91	163234	4.294	ug/L	98
53) m,p-Xylene	9.082	106	63659	4.357	ug/L	97
54) o-Xylene	9.487	106	60268	4.319	ug/L	95
55) Styrene	9.503	104	103502	4.460	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.188	83	27556	4.196	ug/L	98
59) Bromoform	9.673	173	17531	4.515	ug/L	96
60) Isopropylbenzene	9.876	105	166812	4.475	ug/L	99
61) 1,2,3-Trichloropropane	10.220	75	19154	4.418	ug/L	96
62) 1,3,5-Trimethylbenzene	10.484	105	137574	4.493	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	143599	4.585	ug/L	100
64) 1,3-Dichlorobenzene	11.127	146	86622	4.463	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	87366	4.462	ug/L	98
67) 1,2-Dichlorobenzene	11.590	146	78531	4.583	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	4721	4.876	ug/L	86
69) 1,3,5-Trichlorobenzene	12.593	180	68155	4.272	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	53548	4.143	ug/L	98
71) Naphthalene	13.448	128	77414	4.584	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	46620	4.382	ug/L	99

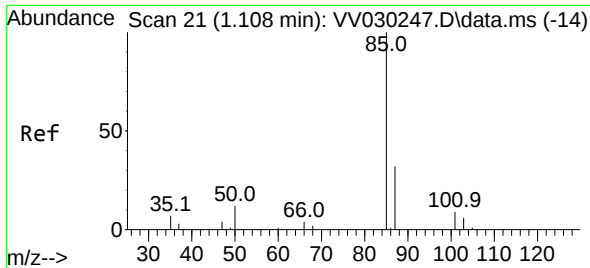
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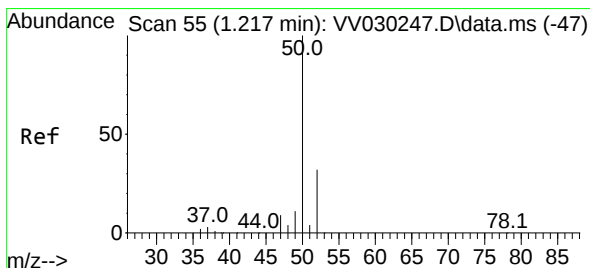
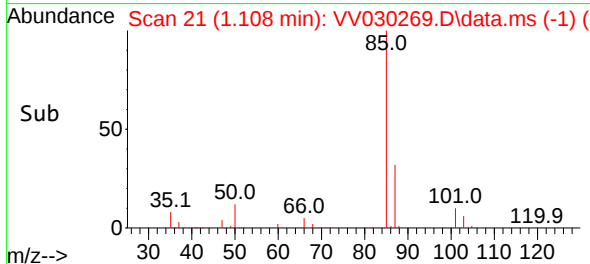
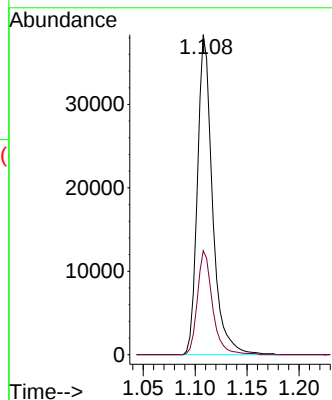
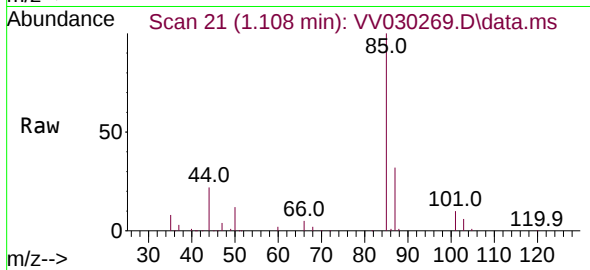




#2
 Dichlorodifluoromethane
 Concen: 3.891 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030269.D
 Acq: 20 Mar 2023 19:59

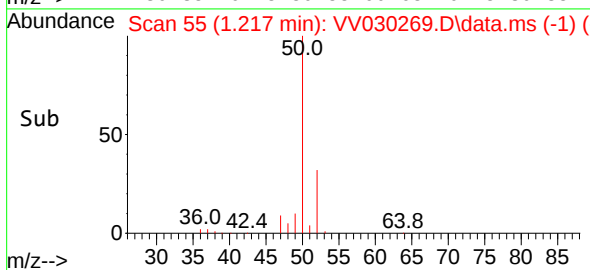
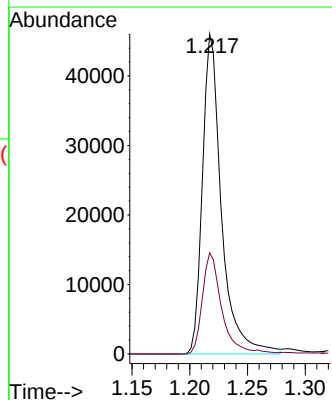
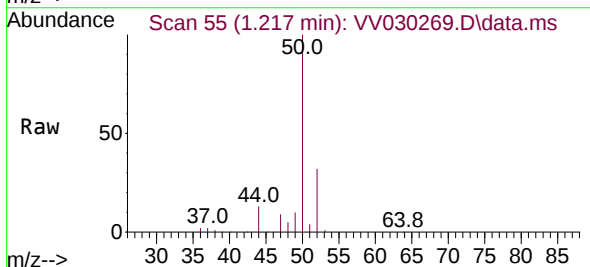
Instrument :
 MSVOA_V
 ClientSampleId :
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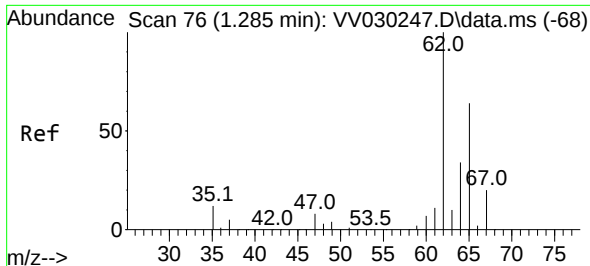
Tgt Ion: 85 Resp: 38741
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.6 39.8



#3
 Chloromethane
 Concen: 3.368 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030269.D
 Acq: 20 Mar 2023 19:59

Tgt Ion: 50 Resp: 52842
 Ion Ratio Lower Upper
 50 100
 52 31.6 23.6 43.8

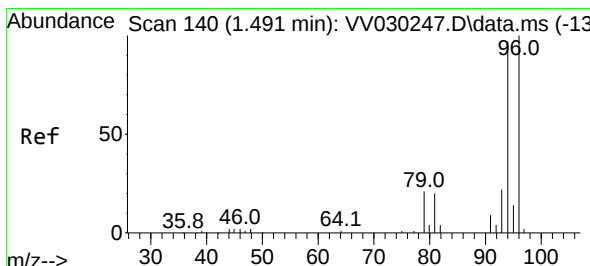
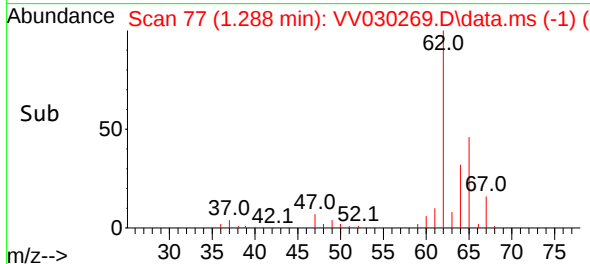
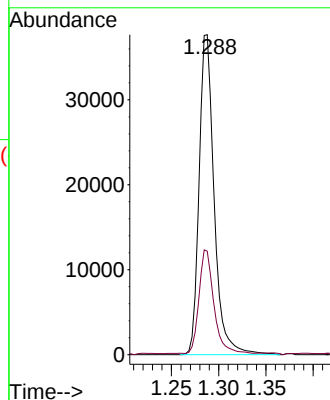
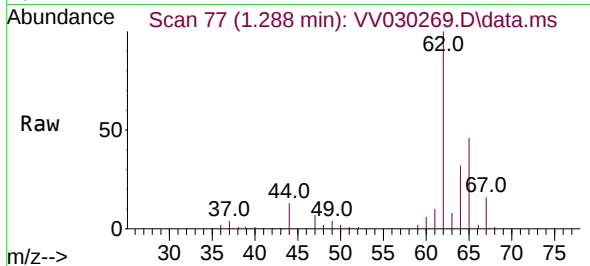




#5
 Vinyl chloride
 Concen: 4.000 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VV030269.D
 Acq: 20 Mar 2023 19:59

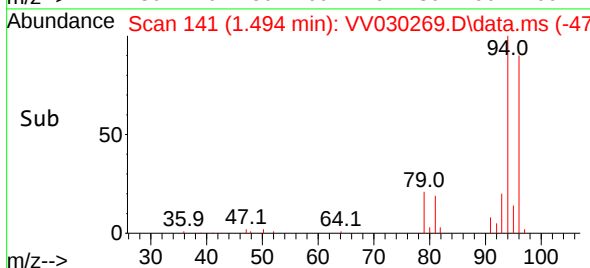
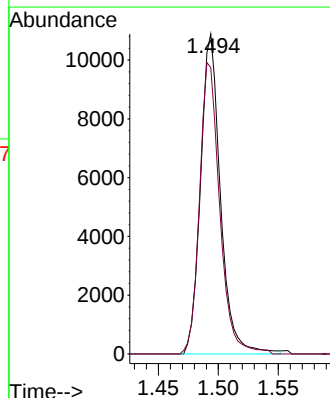
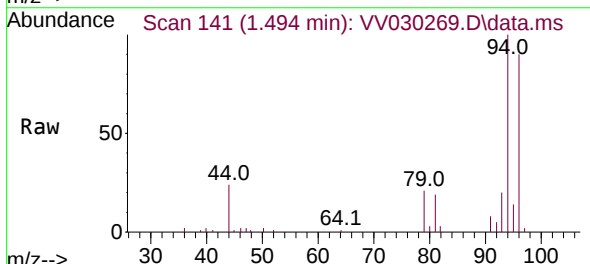
Instrument :
 MSVOA_V
 ClientSampleId :
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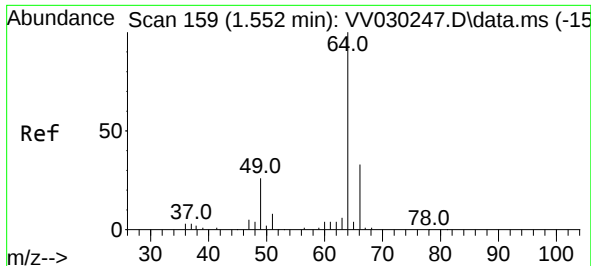
Tgt Ion: 62 Resp: 41700
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.1 42.9



#6
 Bromomethane
 Concen: 6.718 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. 0.003 min
 Lab File: VV030269.D
 Acq: 20 Mar 2023 19:59

Tgt Ion: 94 Resp: 12573
 Ion Ratio Lower Upper
 94 100
 96 89.5 68.4 127.0

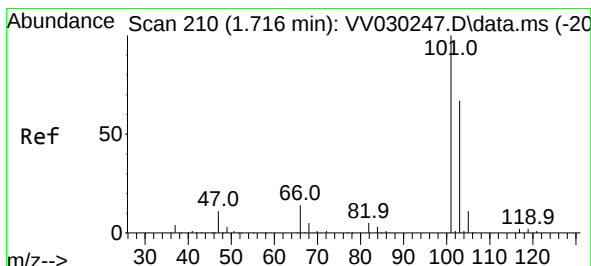
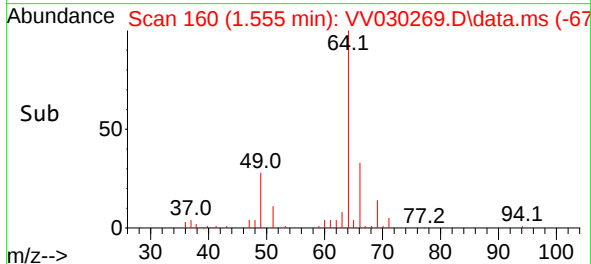
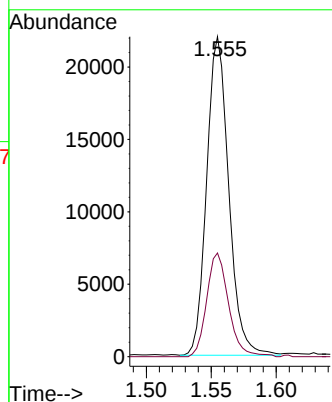
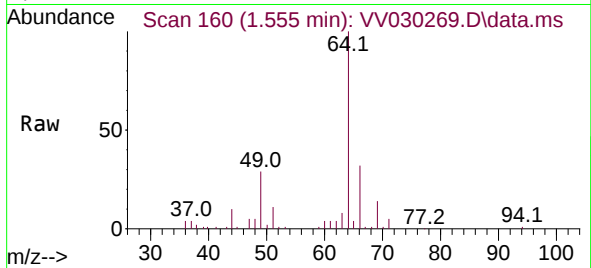




#8
Chloroethane
Concen: 4.090 ug/L
RT: 1.555 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV030269.D
Acq: 20 Mar 2023 19:59

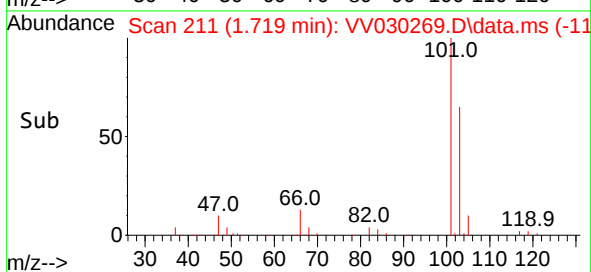
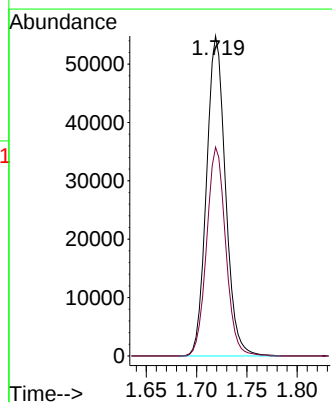
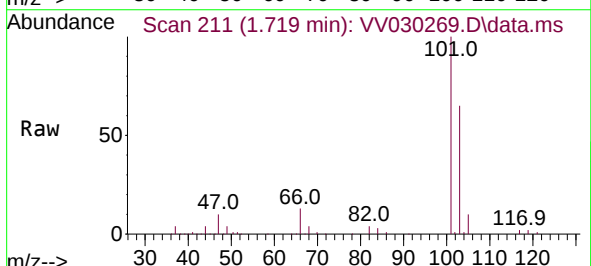
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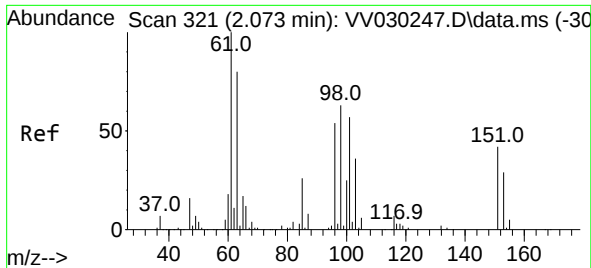
Tgt Ion: 64 Resp: 25984
Ion Ratio Lower Upper
64 100
66 32.4 22.4 41.6



#9
Trichlorofluoromethane
Concen: 4.807 ug/L
RT: 1.719 min Scan# 211
Delta R.T. -0.000 min
Lab File: VV030269.D
Acq: 20 Mar 2023 19:59

Tgt Ion:101 Resp: 71912
Ion Ratio Lower Upper
101 100
103 65.4 52.7 79.1

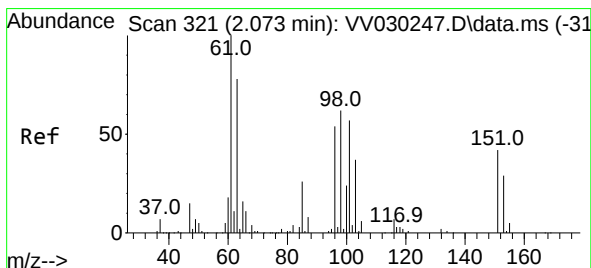
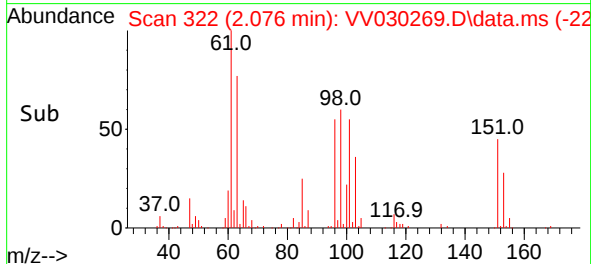
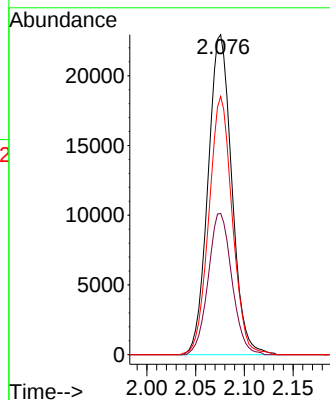
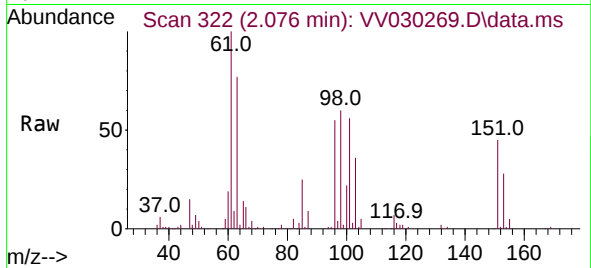




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.198 ug/L
 RT: 2.076 min Scan# 311
 Delta R.T. 0.003 min
 Lab File: VV030269.D
 Acq: 20 Mar 2023 19:59

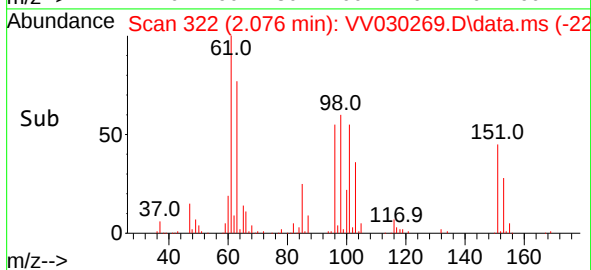
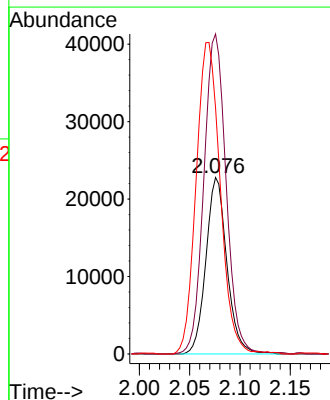
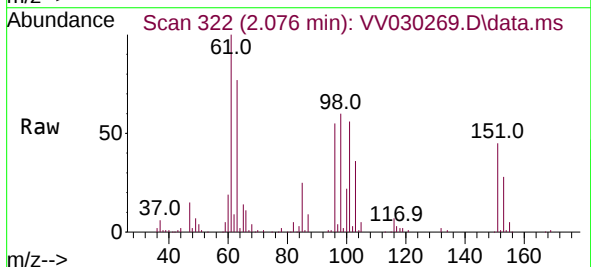
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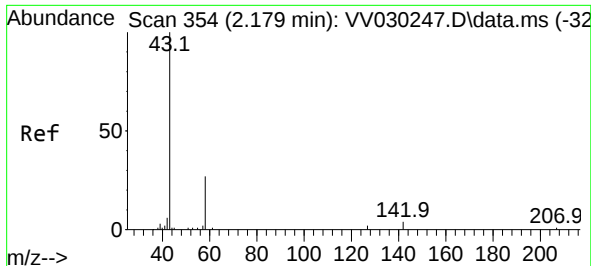
Tgt Ion:101 Resp: 38942
 Ion Ratio Lower Upper
 101 100
 85 44.0 33.5 50.3
 151 79.4 61.6 92.4



#12
 1,1-Dichloroethene
 Concen: 4.017 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. -0.000 min
 Lab File: VV030269.D
 Acq: 20 Mar 2023 19:59

Tgt Ion: 96 Resp: 32983
 Ion Ratio Lower Upper
 96 100
 61 181.3 115.6 214.6
 63 139.3 85.6 159.0





#13

Acetone

Concen: 50.967 ug/L

RT: 2.143 min Scan# 34

Delta R.T. -0.000 min

Lab File: VV030269.D

Acq: 20 Mar 2023 19:59

Instrument :

MSVOA_V

ClientSampleId :

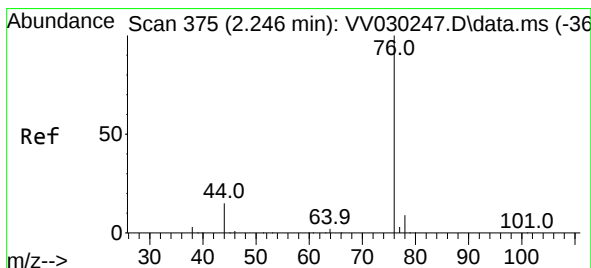
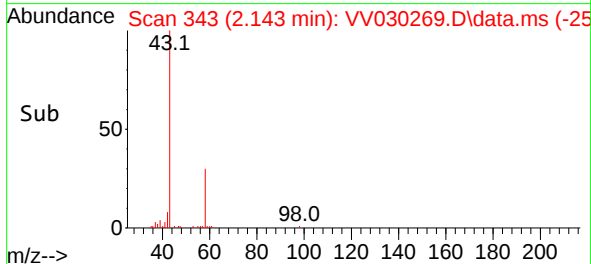
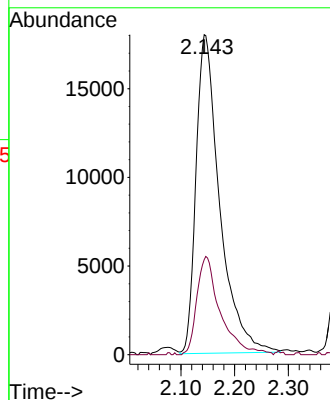
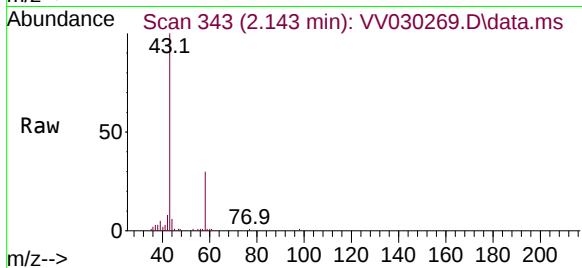
C0BC9MSD

Tgt Ion: 43 Resp: 54989

Ion Ratio Lower Upper

43 100

58 29.4 0.0 29.4#



#14

Carbon disulfide

Concen: 3.211 ug/L

RT: 2.249 min Scan# 376

Delta R.T. 0.003 min

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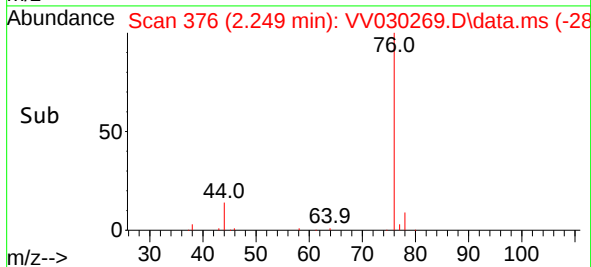
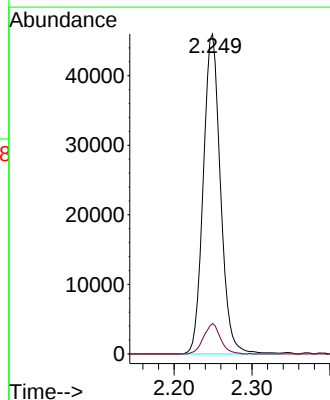
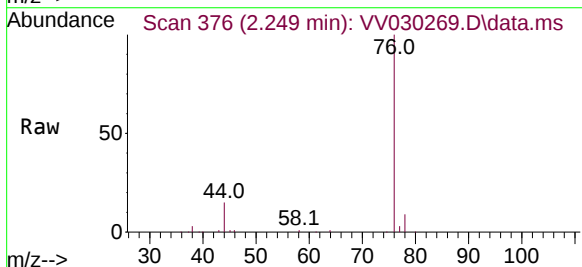
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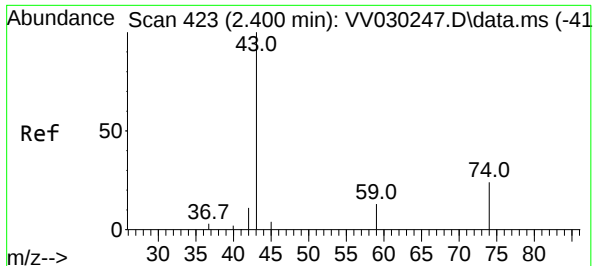
Tgt Ion: 76 Resp: 70542

Ion Ratio Lower Upper

76 100

78 9.5 7.7 11.5

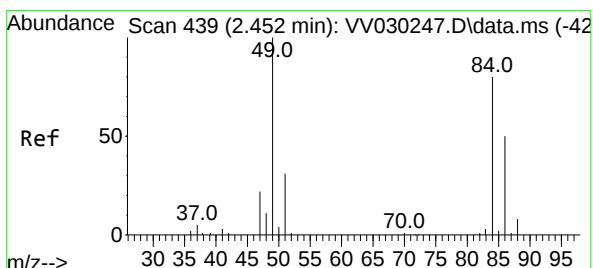
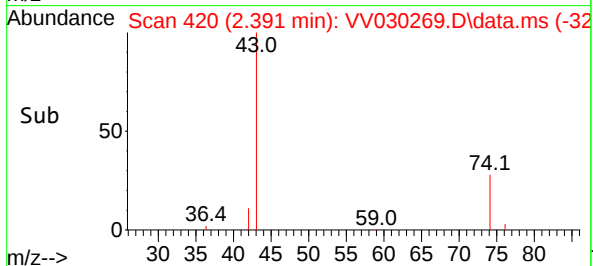
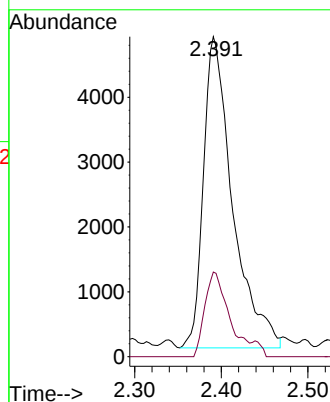
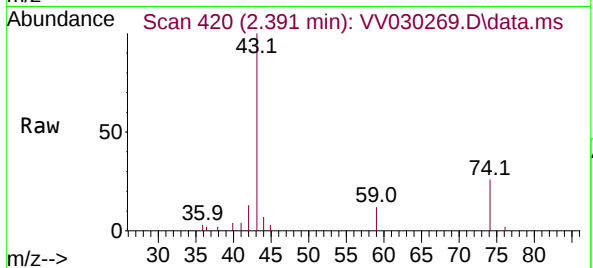




#15
Methyl Acetate
Concen: 4.460 ug/L
RT: 2.391 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV030269.D
Acq: 20 Mar 2023 19:59

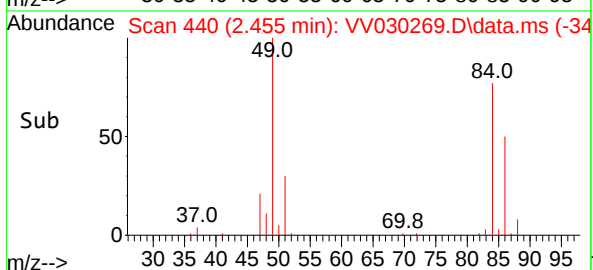
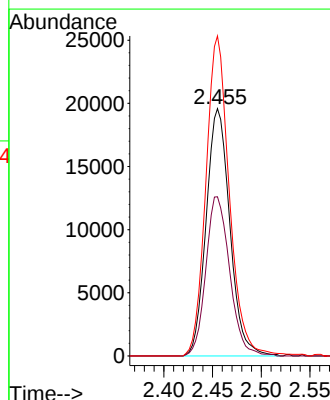
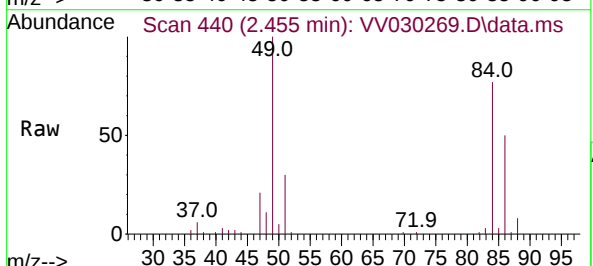
Instrument :
MSVOA_V
ClientSampleId :
C0BC9MSD

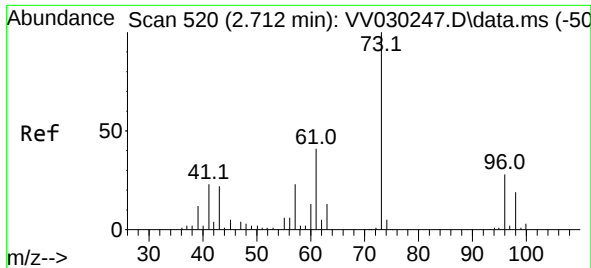
Tgt Ion: 43 Resp: 11238
Ion Ratio Lower Upper
43 100
74 22.3 20.1 30.1



#16
Methylene chloride
Concen: 3.300 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030269.D
Acq: 20 Mar 2023 19:59

Tgt Ion: 84 Resp: 33102
Ion Ratio Lower Upper
84 100
86 64.4 44.7 83.1
49 129.4 78.8 146.3

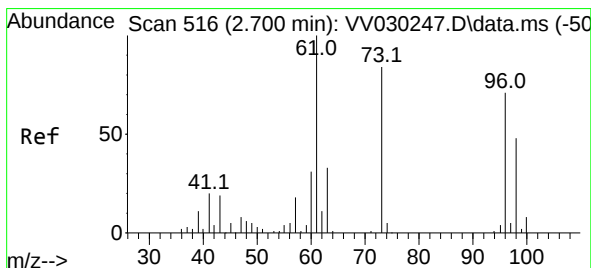
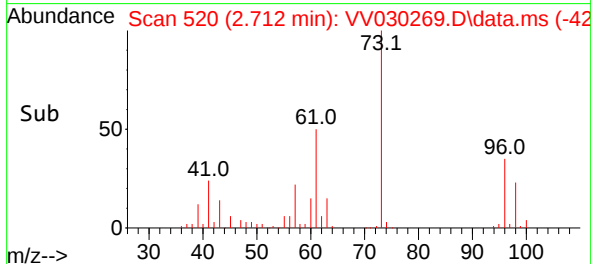
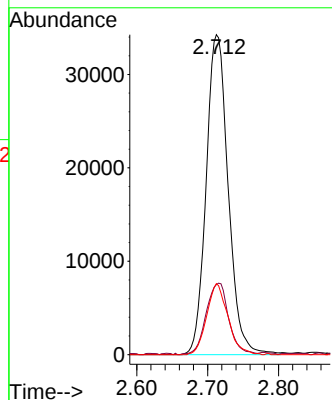
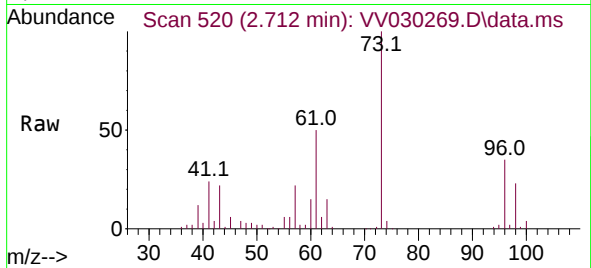




#17
Methyl tert-butyl Ether
Concen: 4.613 ug/L
RT: 2.712 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV030269.D
Acq: 20 Mar 2023 19:59

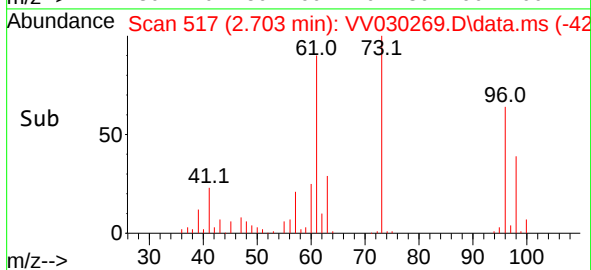
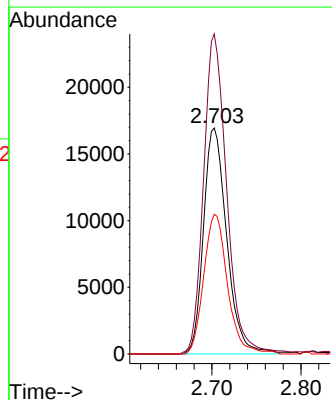
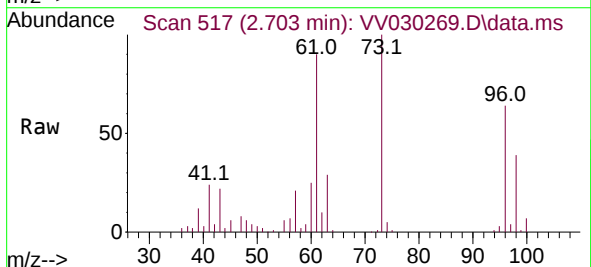
Instrument :
MSVOA_V
ClientSampleId :
C0BC9MSD

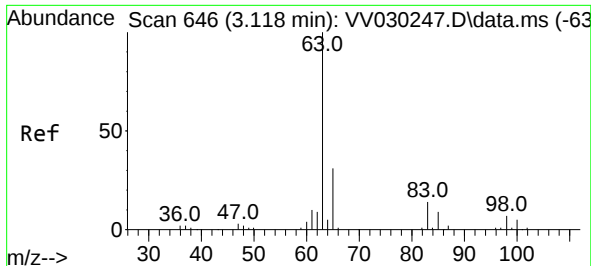
Tgt Ion: 73 Resp: 74087
Ion Ratio Lower Upper
73 100
43 22.9 13.4 20.2#
57 21.4 16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 3.934 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV030269.D
Acq: 20 Mar 2023 19:59

Tgt Ion: 96 Resp: 30735
Ion Ratio Lower Upper
96 100
61 141.6 91.0 169.0
98 61.8 45.2 84.0





#19

1,1-Dichloroethane

Concen: 4.376 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030269.D

Acq: 20 Mar 2023 19:59

Instrument :

MSVOA_V

ClientSampleId :

C0BC9MSD

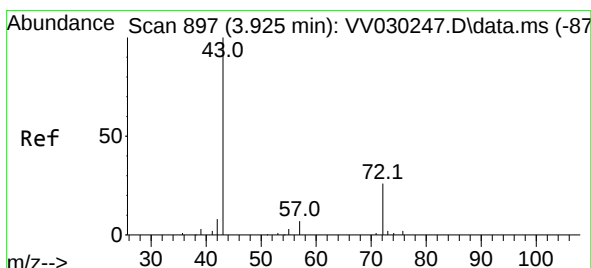
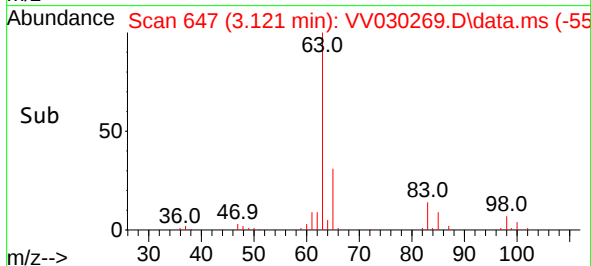
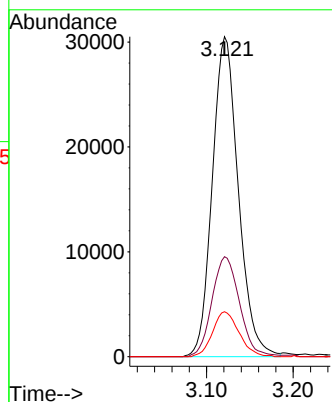
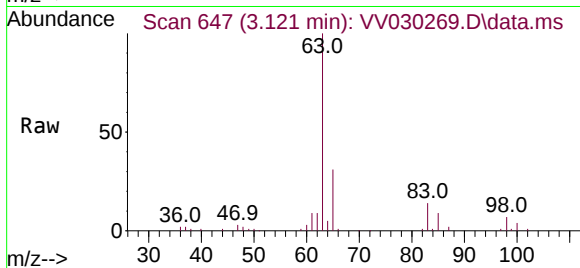
Tgt Ion: 63 Resp: 63681

Ion Ratio Lower Upper

63 100

65 31.2 23.0 42.8

83 14.0 9.6 17.8



#21

2-Butanone

Concen: 46.744 ug/L

RT: 3.899 min Scan# 889

Delta R.T. 0.003 min

Lab File: VV030269.D

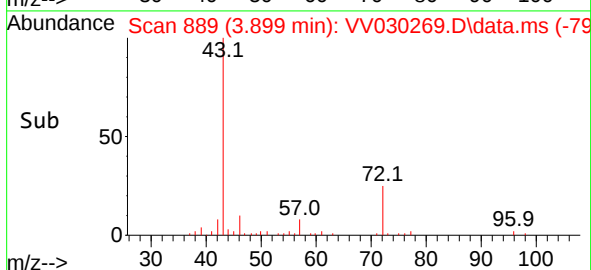
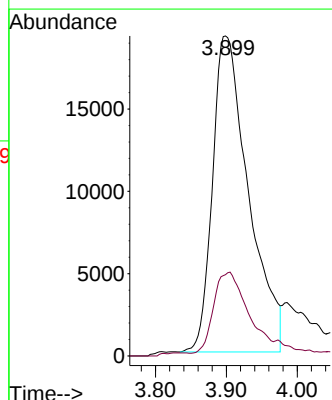
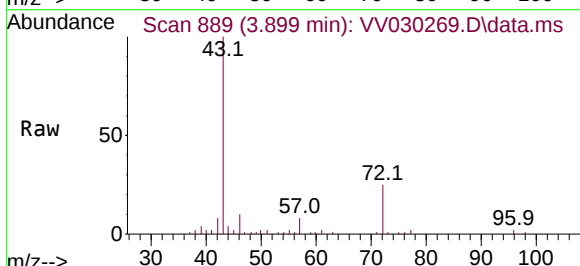
Acq: 20 Mar 2023 19:59

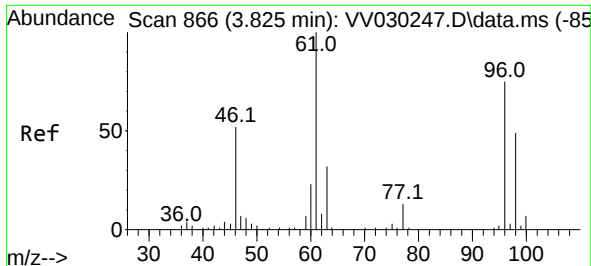
Tgt Ion: 43 Resp: 67827

Ion Ratio Lower Upper

43 100

72 24.3 15.1 45.3



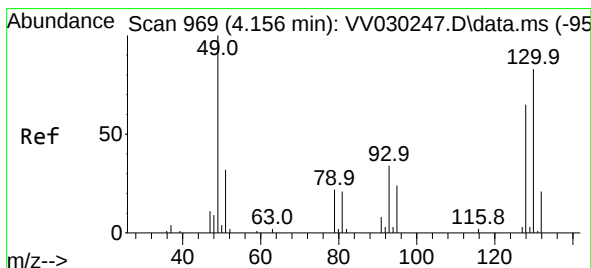
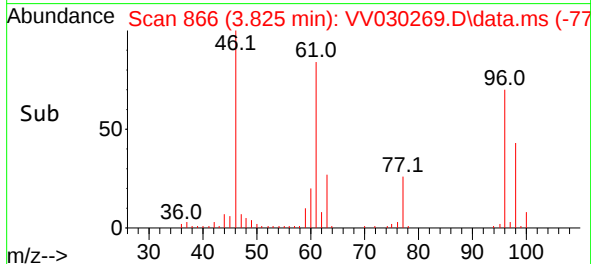
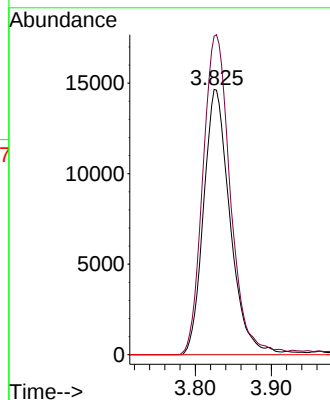
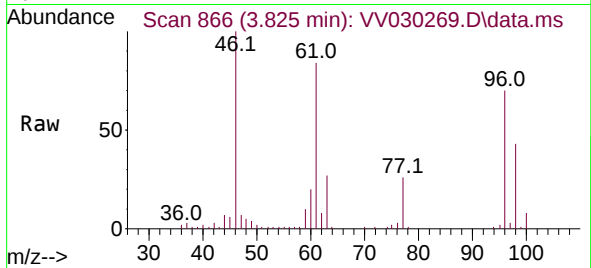


#22
 cis-1,2-Dichloroethene
 Concen: 4.108 ug/L
 RT: 3.825 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: VV030269.D
 Acq: 20 Mar 2023 19:59

Instrument :
 MSVOA_V
 ClientSampleId :
 C0BC9MSD

Tgt Ion: 96 Resp: 35469

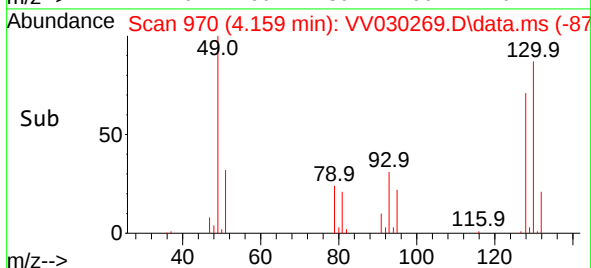
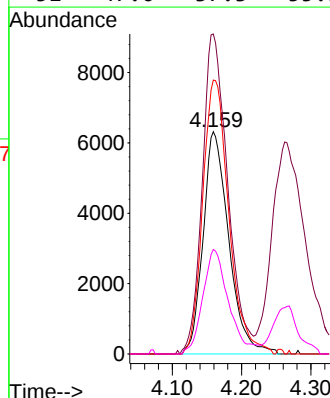
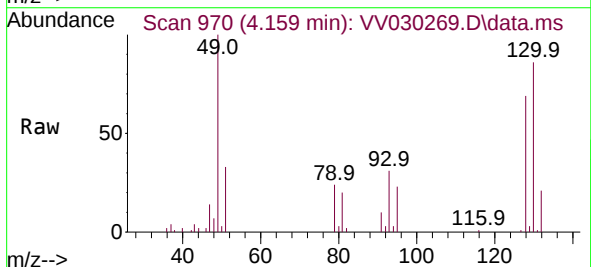
Ion	Ratio	Lower	Upper
96	100		
61	120.1	83.4	154.8
68	0.0	0.0	0.0

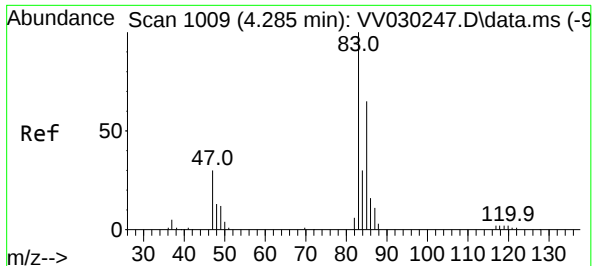


#23
 Bromochloromethane
 Concen: 4.403 ug/L
 RT: 4.159 min Scan# 970
 Delta R.T. 0.003 min
 Lab File: VV030269.D
 Acq: 20 Mar 2023 19:59

Tgt Ion: 128 Resp: 16246

Ion	Ratio	Lower	Upper
128	100		
49	144.0	99.5	184.9
130	123.3	90.5	168.1
51	47.0	37.3	55.9





#25

Chloroform

Concen: 4.793 ug/L

RT: 4.288 min Scan# 1009

Delta R.T. 0.003 min

Lab File: VV030269.D

Acq: 20 Mar 2023 19:59

Instrument :

MSVOA_V

ClientSampleId :

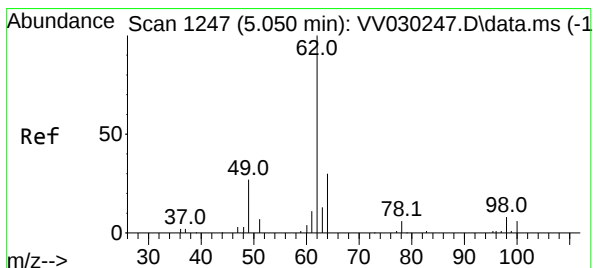
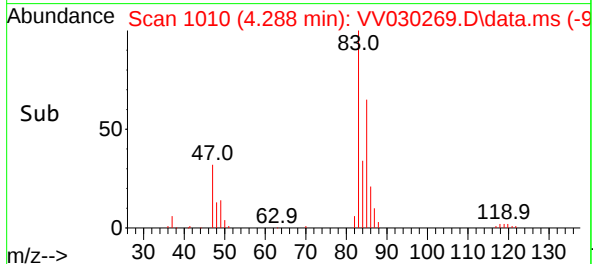
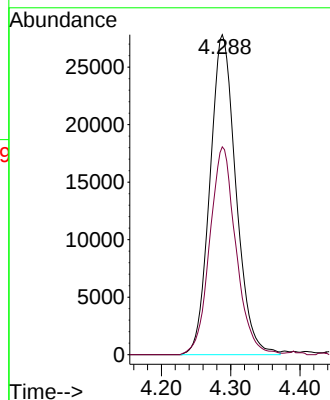
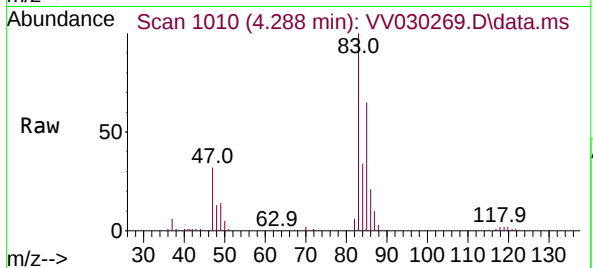
C0BC9MSD

Tgt Ion: 83 Resp: 72560

Ion Ratio Lower Upper

83 100

85 65.0 46.5 86.5



#27

1,2-Dichloroethane

Concen: 5.408 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. 0.003 min

Lab File: VV030269.D

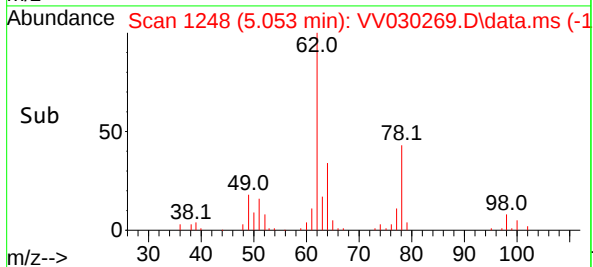
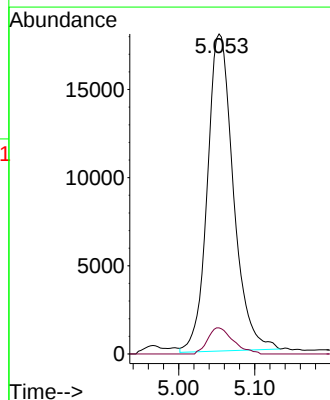
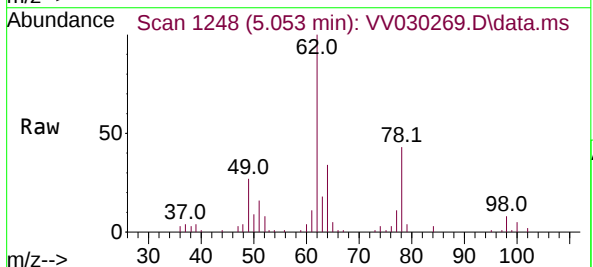
Acq: 20 Mar 2023 19:59

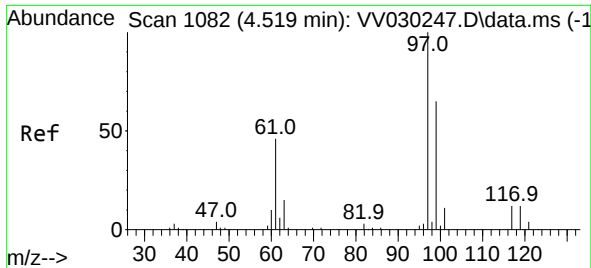
Tgt Ion: 62 Resp: 42820

Ion Ratio Lower Upper

62 100

98 8.1 9.0 13.4#





#29

1,1,1-Trichloroethane

Concen: 4.779 ug/L

RT: 4.526 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VV030269.D

Acq: 20 Mar 2023 19:59

Instrument :

MSVOA_V

ClientSampleId :

C0BC9MSD

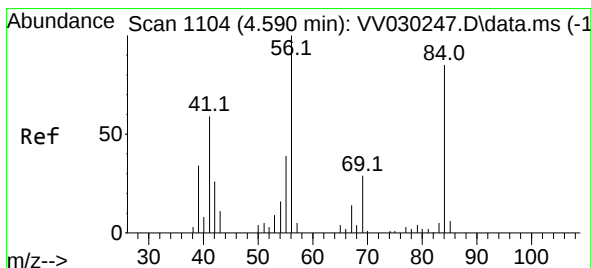
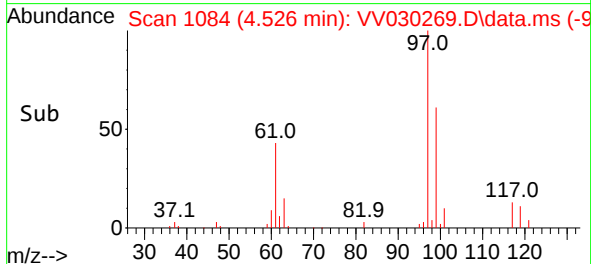
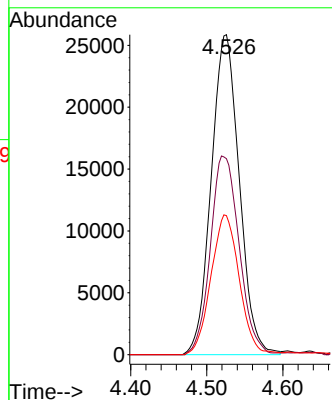
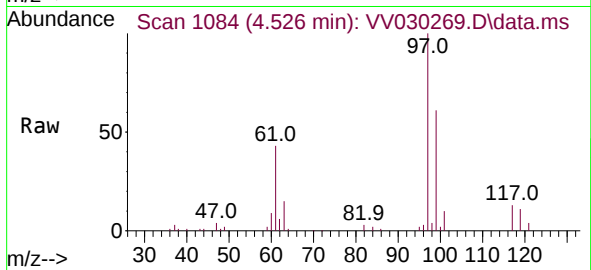
Tgt Ion: 97 Resp: 66288

Ion Ratio Lower Upper

97 100

99 63.8 51.3 76.9

61 44.3 31.5 47.3



#30

Cyclohexane

Concen: 3.825 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV030269.D

Acq: 20 Mar 2023 19:59

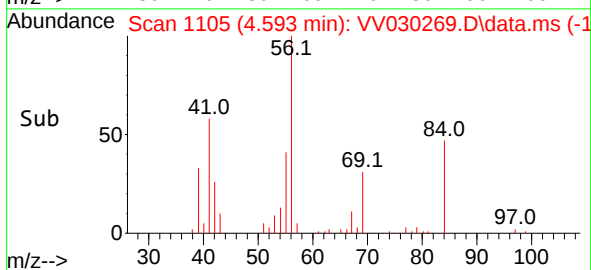
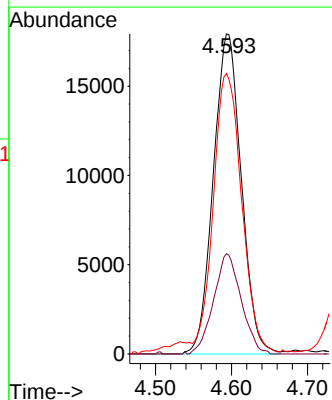
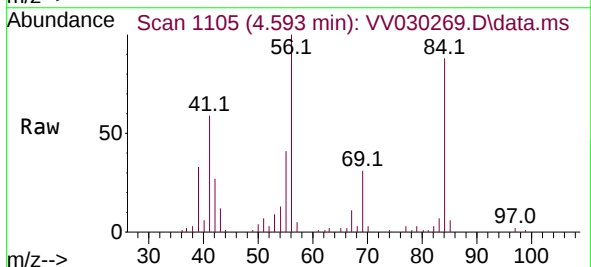
Tgt Ion: 56 Resp: 45848

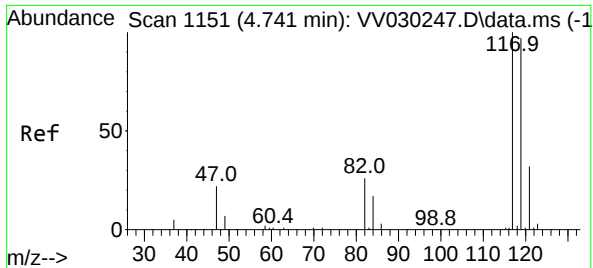
Ion Ratio Lower Upper

56 100

69 30.9 25.1 37.7

84 87.9 74.6 111.8

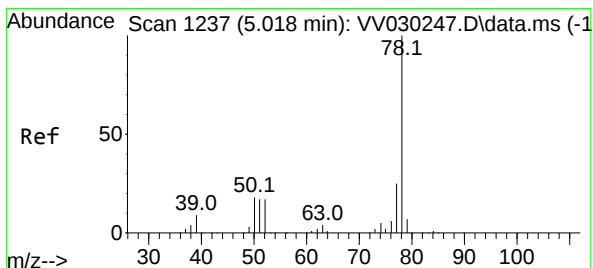
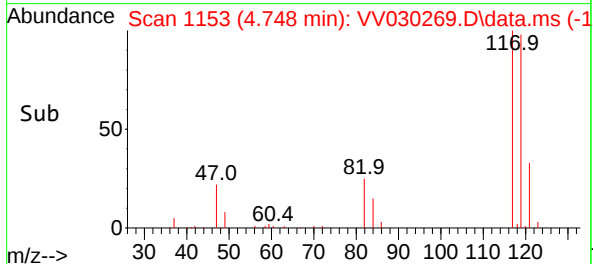
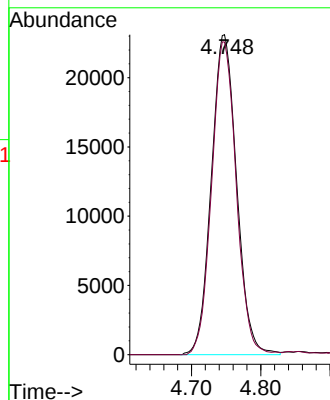
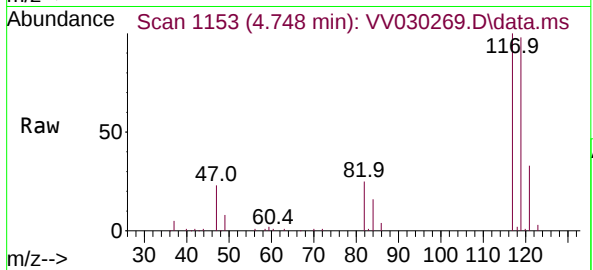




#31
Carbon tetrachloride
Concen: 4.699 ug/L
RT: 4.748 min Scan# 1151
Delta R.T. 0.003 min
Lab File: VV030269.D
Acq: 20 Mar 2023 19:59

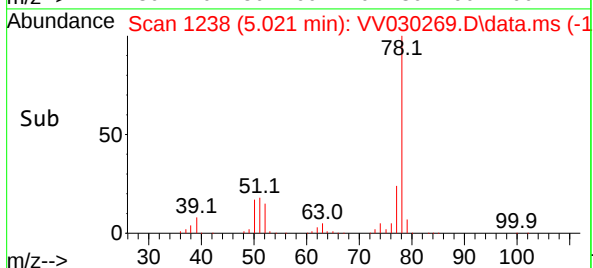
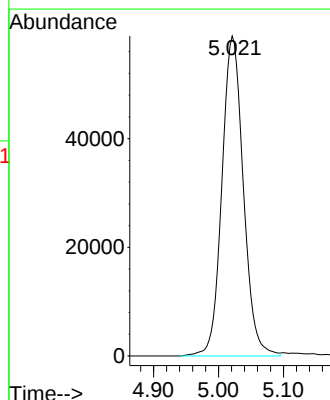
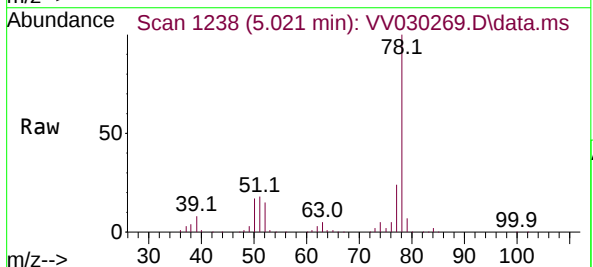
Instrument :
MSVOA_V
ClientSampleId :
C0BC9MSD

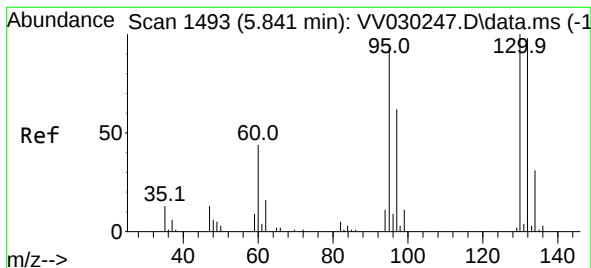
Tgt Ion:117 Resp: 58590
Ion Ratio Lower Upper
117 100
119 95.0 76.1 114.1



#33
Benzene
Concen: 4.180 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV030269.D
Acq: 20 Mar 2023 19:59

Tgt Ion: 78 Resp: 134800





#34

Trichloroethene

Concen: 3.973 ug/L

RT: 5.844 min Scan# 1493

Delta R.T. 0.003 min

Lab File: VV030269.D

Acq: 20 Mar 2023 19:59

Instrument :

MSVOA_V

ClientSampleId :

C0BC9MSD

Tgt Ion: 95 Resp: 35901

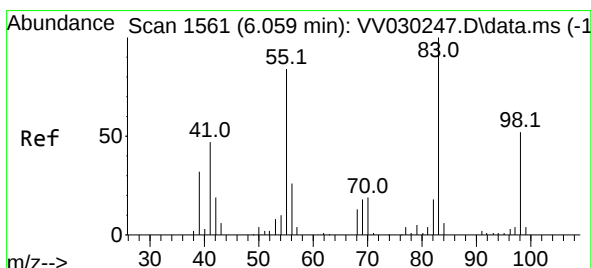
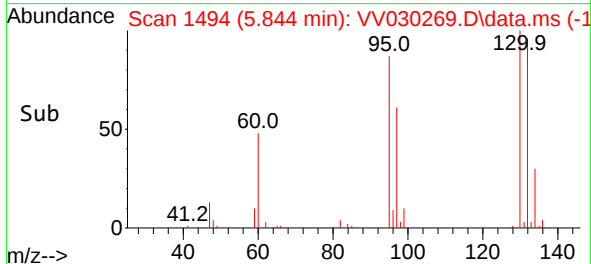
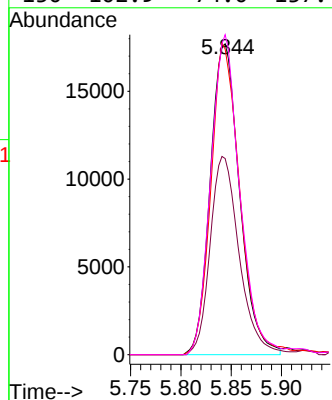
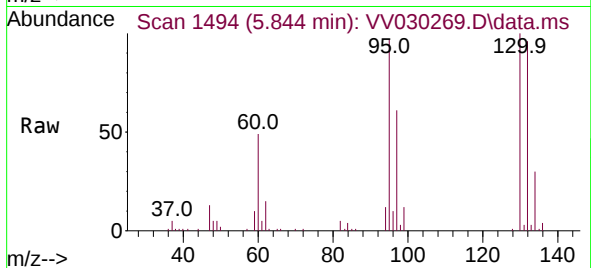
Ion Ratio Lower Upper

95 100

97 63.1 46.5 86.5

132 98.3 71.7 133.3

130 102.9 74.0 137.4



#35

Methylcyclohexane

Concen: 3.617 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. 0.003 min

Lab File: VV030269.D

Acq: 20 Mar 2023 19:59

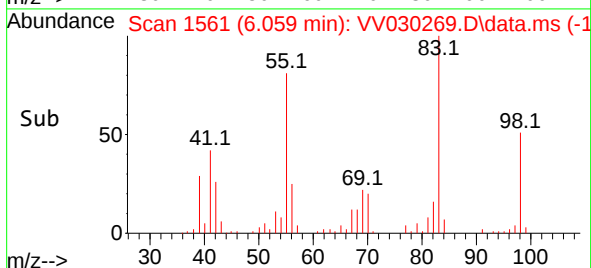
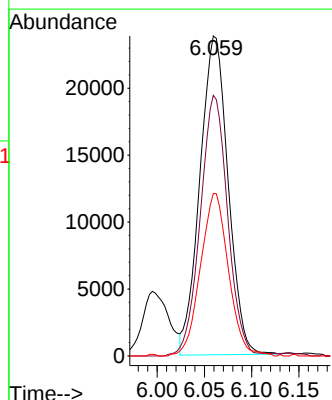
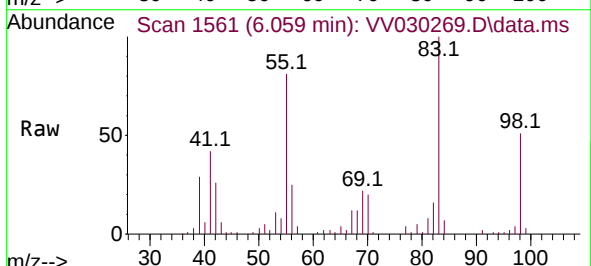
Tgt Ion: 83 Resp: 49463

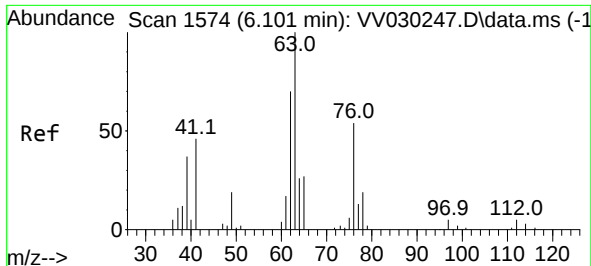
Ion Ratio Lower Upper

83 100

55 79.4 57.6 86.4

98 50.5 38.8 58.2





#37

1,2-Dichloropropane

Concen: 4.234 ug/L

RT: 6.104 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030269.D

Acq: 20 Mar 2023 19:59

Instrument :

MSVOA_V

ClientSampleId :

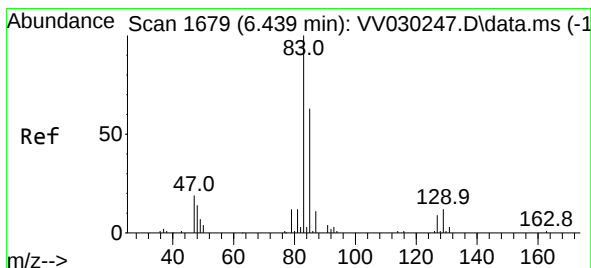
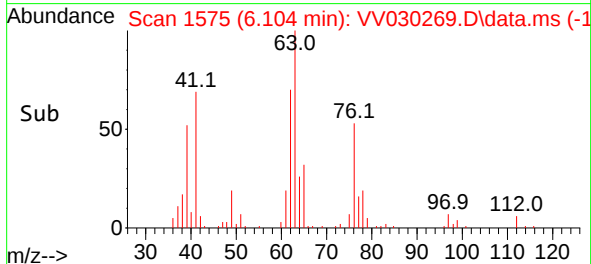
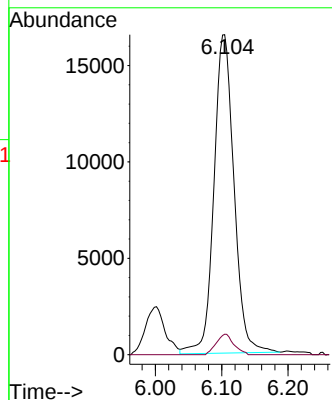
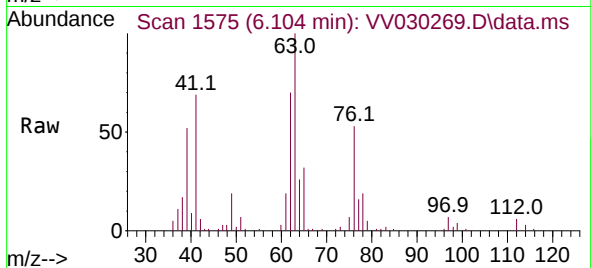
C0BC9MSD

Tgt Ion: 63 Resp: 34740

Ion Ratio Lower Upper

63 100

112 5.6 3.8 5.6



#38

Bromodichloromethane

Concen: 4.583 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.003 min

Lab File: VV030269.D

Acq: 20 Mar 2023 19:59

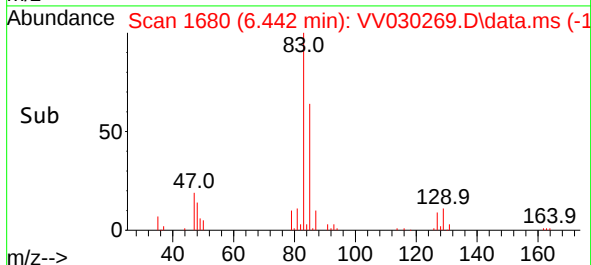
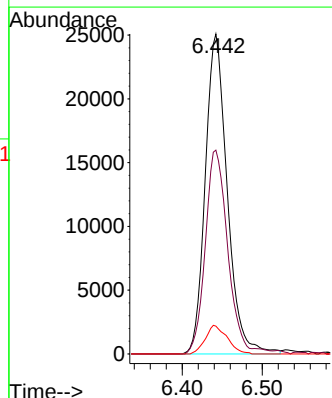
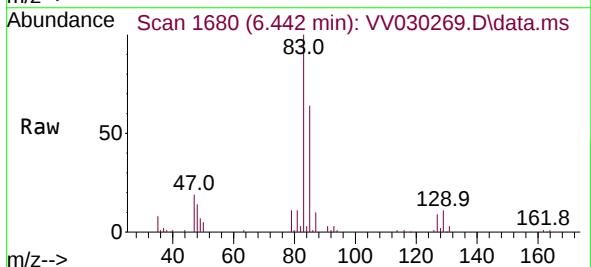
Tgt Ion: 83 Resp: 48006

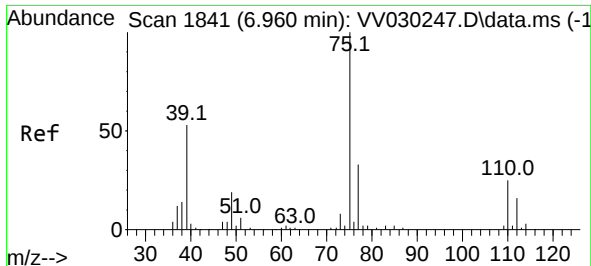
Ion Ratio Lower Upper

83 100

85 63.7 44.3 82.3

127 8.7 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.070 ug/L

RT: 6.963 min Scan# 1841

Delta R.T. 0.003 min

Lab File: VV030269.D

Acq: 20 Mar 2023 19:59

Instrument :

MSVOA_V

ClientSampleId :

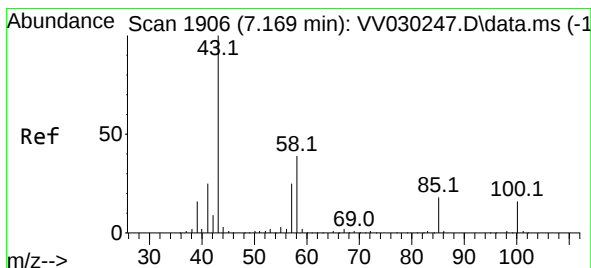
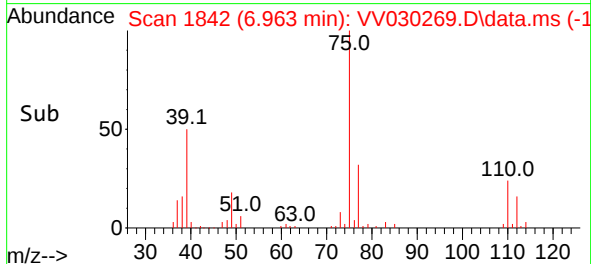
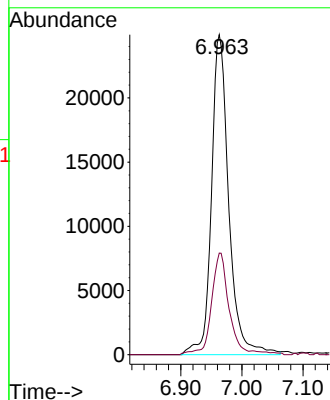
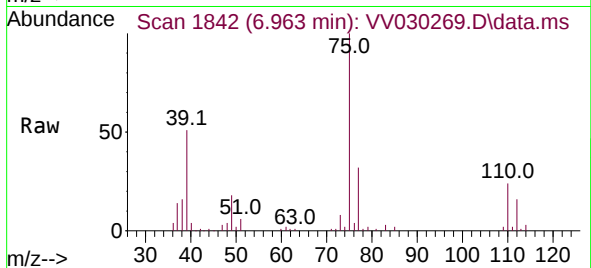
C0BC9MSD

Tgt Ion: 75 Resp: 48884

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 55.464 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.003 min

Lab File: VV030269.D

Acq: 20 Mar 2023 19:59

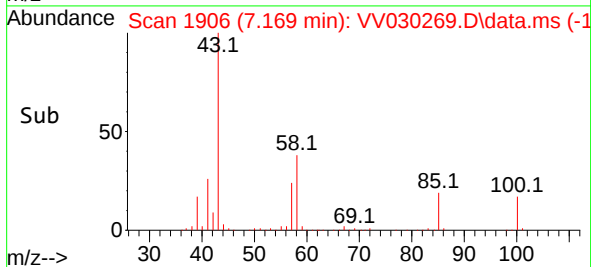
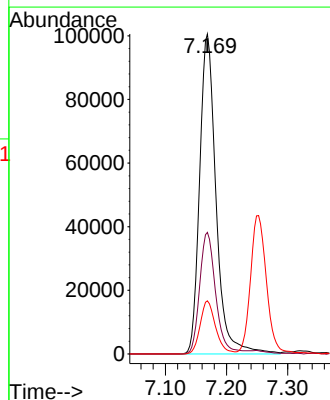
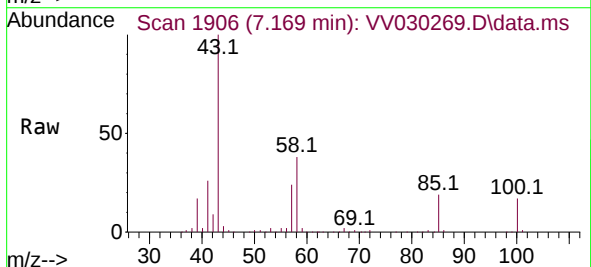
Tgt Ion: 43 Resp: 187783

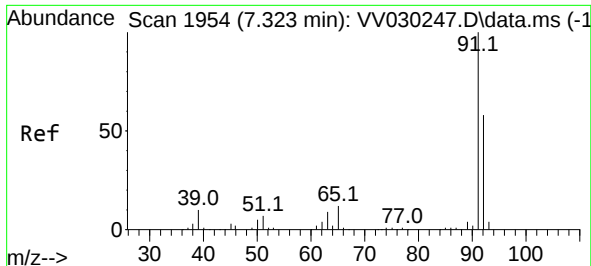
Ion Ratio Lower Upper

43 100

58 37.4 35.3 52.9

100 15.6 14.7 22.1





#42

Toluene

Concen: 4.246 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. -0.000 min

Lab File: VV030269.D

Acq: 20 Mar 2023 19:59

Instrument :

MSVOA_V

ClientSampleId :

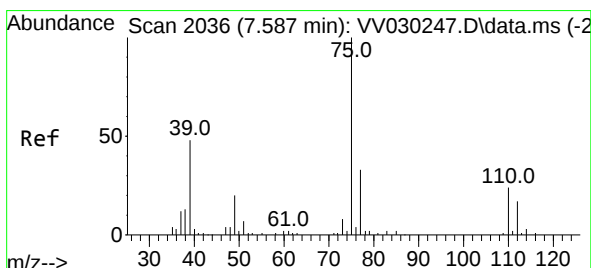
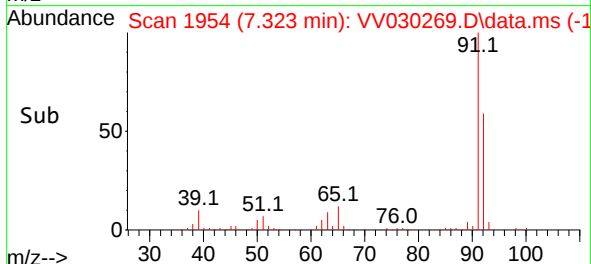
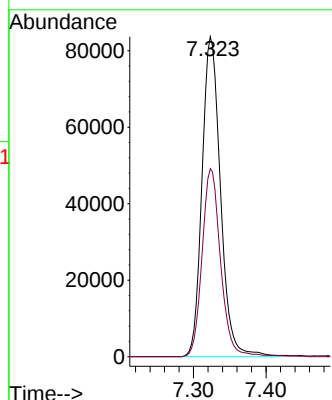
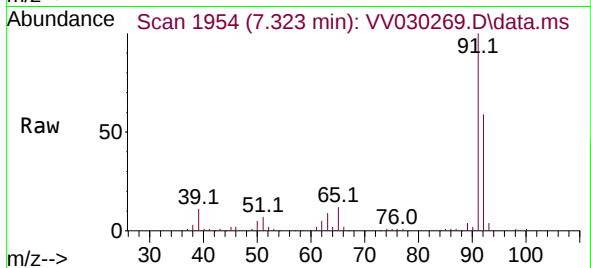
C0BC9MSD

Tgt Ion: 91 Resp: 148316

Ion Ratio Lower Upper

91 100

92 58.8 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 4.356 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.003 min

Lab File: VV030269.D

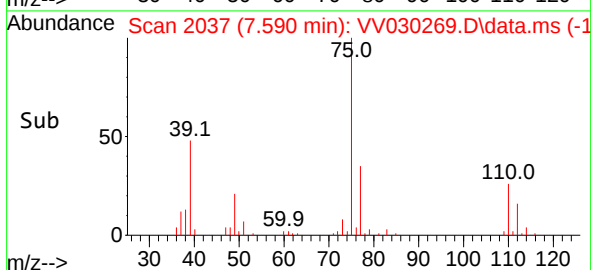
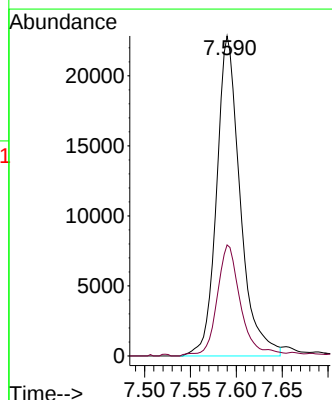
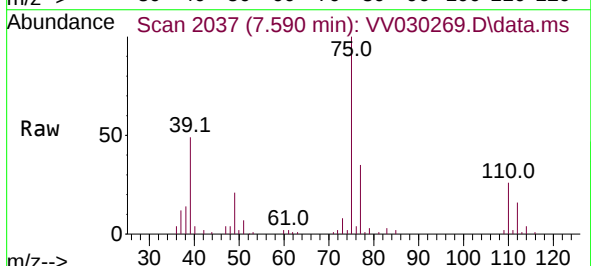
Acq: 20 Mar 2023 19:59

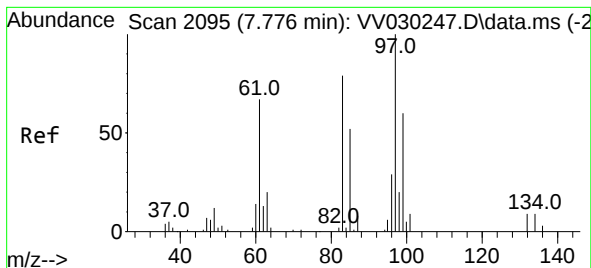
Tgt Ion: 75 Resp: 40846

Ion Ratio Lower Upper

75 100

77 34.7 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 4.214 ug/L

RT: 7.780 min Scan# 2095

Delta R.T. 0.003 min

Lab File: VV030269.D

Acq: 20 Mar 2023 19:59

Instrument :

MSVOA_V

ClientSampleId :

C0BC9MSD

Tgt Ion: 97 Resp: 24739

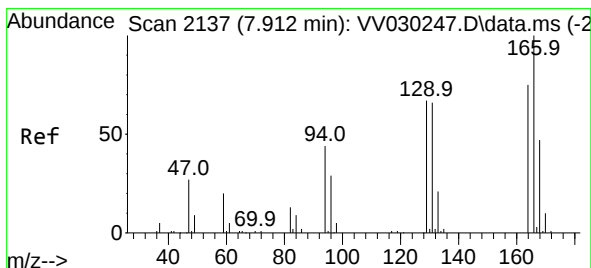
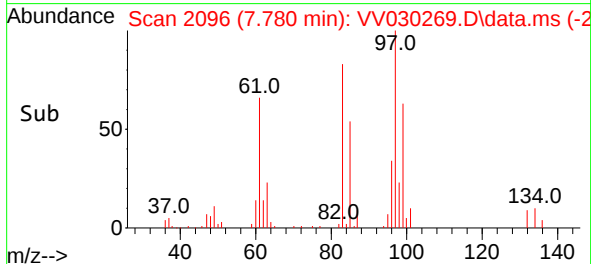
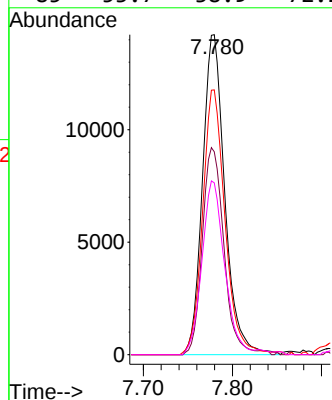
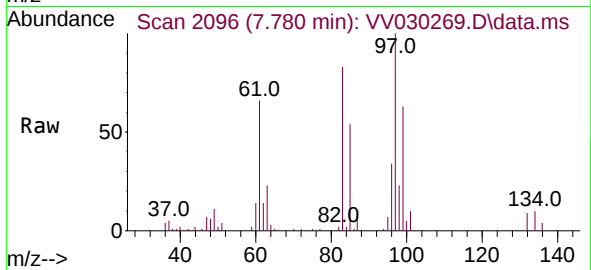
Ion Ratio Lower Upper

97 100

99 63.4 42.6 79.2

83 82.8 57.7 107.3

85 53.7 38.9 72.2



#47

Tetrachloroethene

Concen: 5.637 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VV030269.D

Acq: 20 Mar 2023 19:59

Tgt Ion:164 Resp: 43726

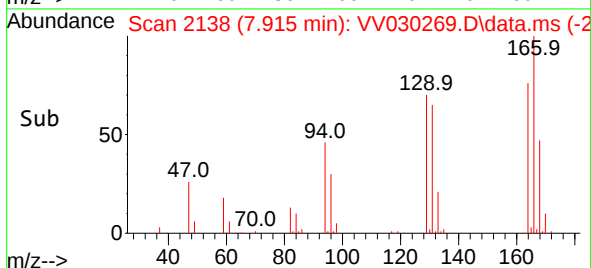
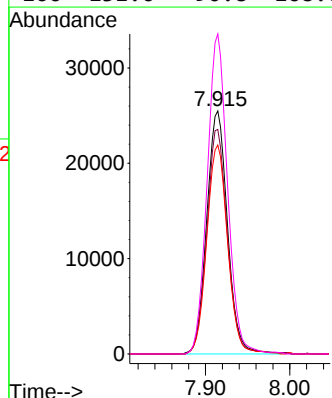
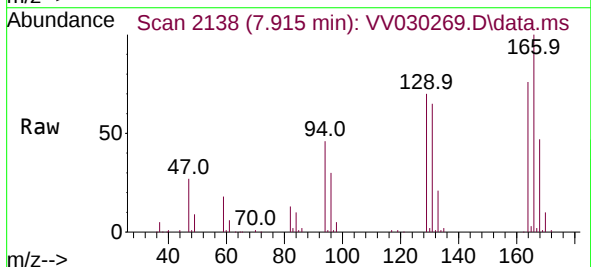
Ion Ratio Lower Upper

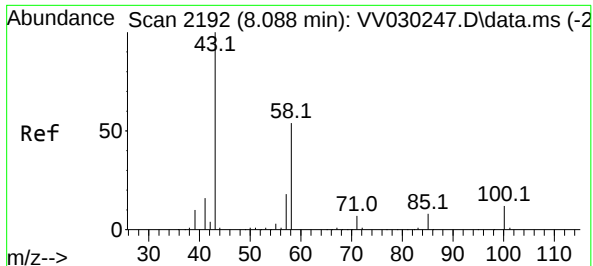
164 100

129 92.3 63.6 118.2

131 85.9 61.7 114.7

166 131.6 90.8 168.6

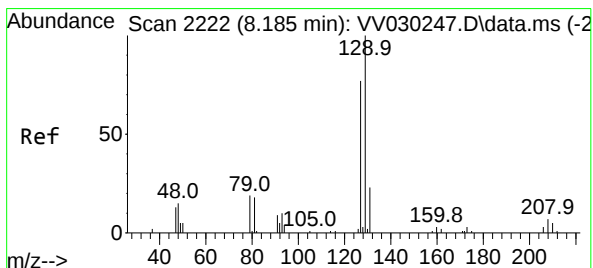
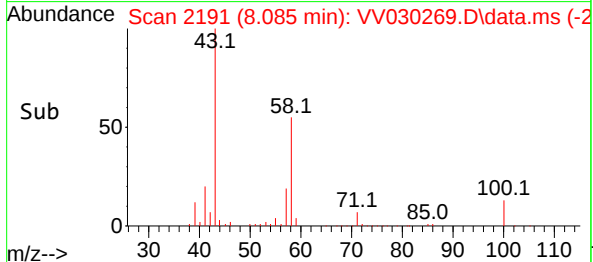
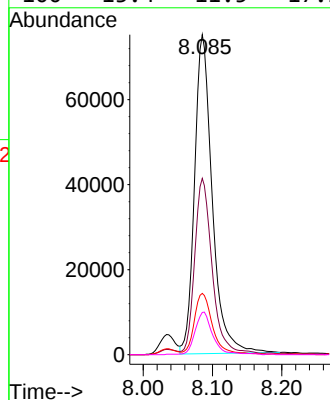
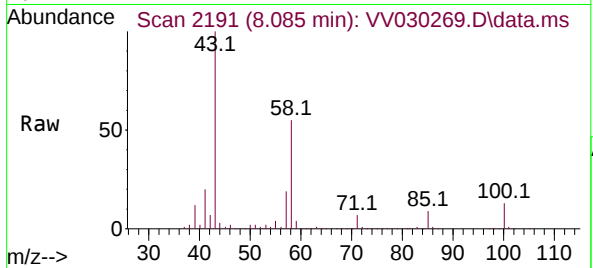




#48
2-Hexanone
Concen: 55.289 ug/L
RT: 8.085 min Scan# 2192
Delta R.T. -0.000 min
Lab File: VV030269.D
Acq: 20 Mar 2023 19:59

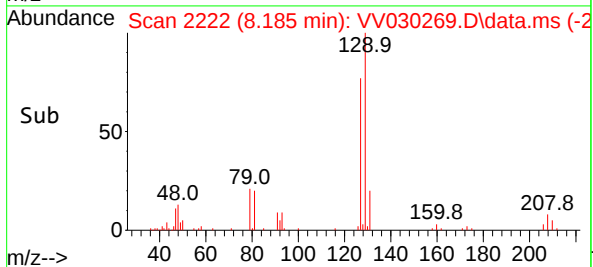
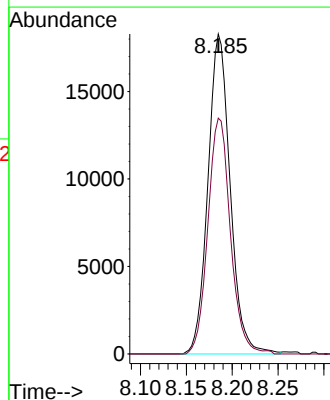
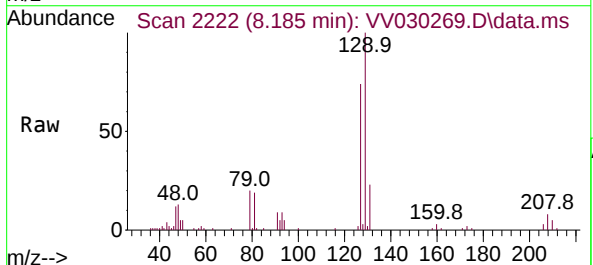
Instrument :
MSVOA_V
ClientSampleId :
C0BC9MSD

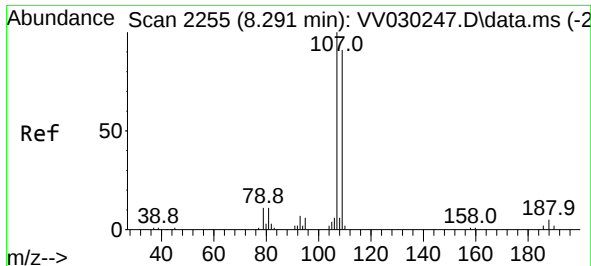
Tgt Ion:	43	Resp:	134008
Ion	Ratio	Lower	Upper
43	100		
58	53.8	49.8	74.8
57	19.7	16.6	24.8
100	13.4	11.5	17.3



#49
Dibromochloromethane
Concen: 4.490 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. -0.000 min
Lab File: VV030269.D
Acq: 20 Mar 2023 19:59

Tgt Ion:	129	Resp:	30848
Ion	Ratio	Lower	Upper
129	100		
127	73.7	54.7	101.5





#50

1,2-Dibromoethane

Concen: 4.023 ug/L

RT: 8.291 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV030269.D

Acq: 20 Mar 2023 19:59

Instrument :

MSVOA_V

ClientSampleId :

C0BC9MSD

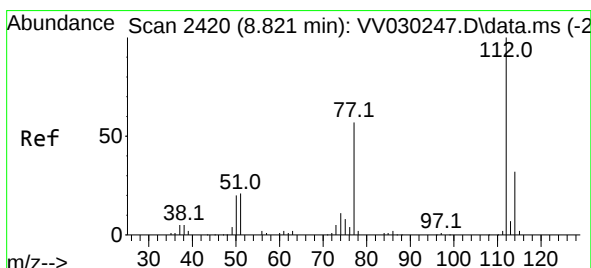
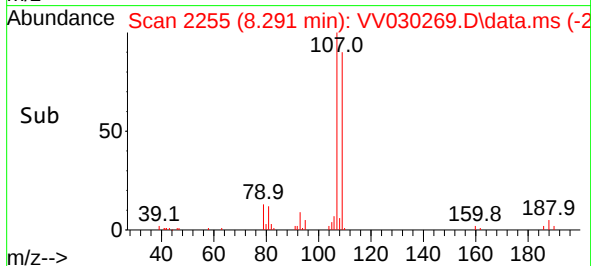
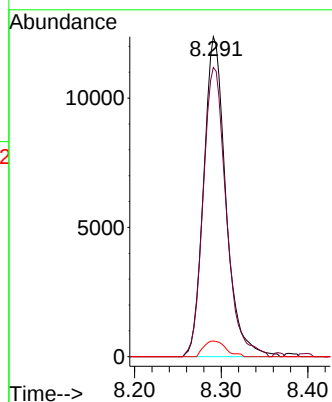
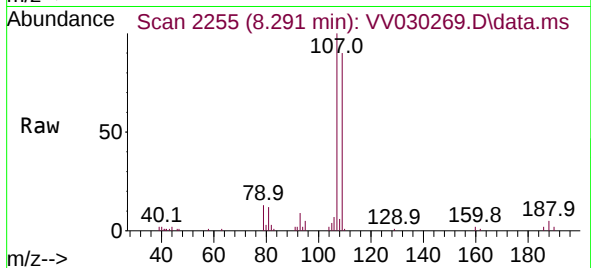
Tgt Ion:107 Resp: 22037

Ion Ratio Lower Upper

107 100

109 90.4 63.3 117.7

188 4.9 3.0 4.6#



#51

Chlorobenzene

Concen: 4.184 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV030269.D

Acq: 20 Mar 2023 19:59

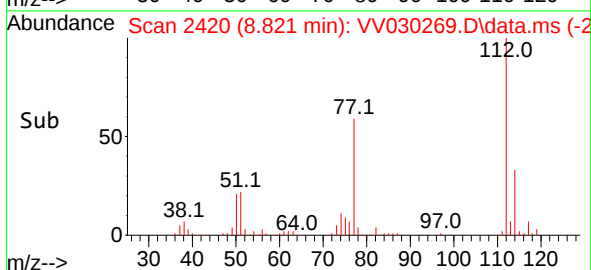
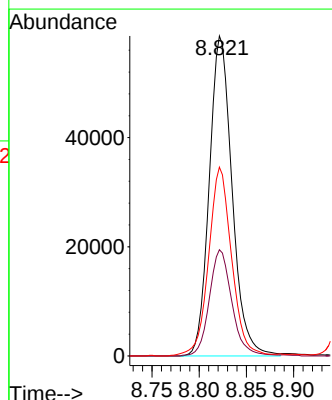
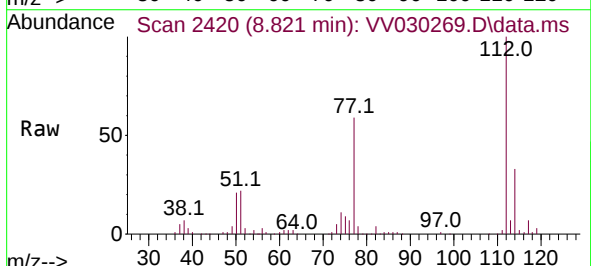
Tgt Ion:112 Resp: 98564

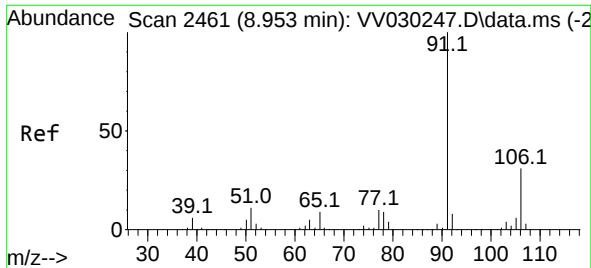
Ion Ratio Lower Upper

112 100

114 33.2 22.5 41.7

77 59.0 45.3 67.9

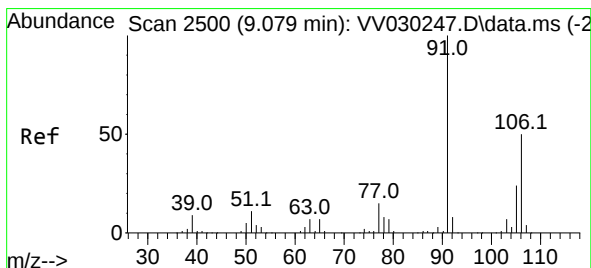
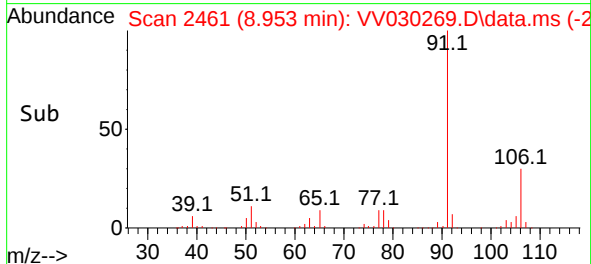
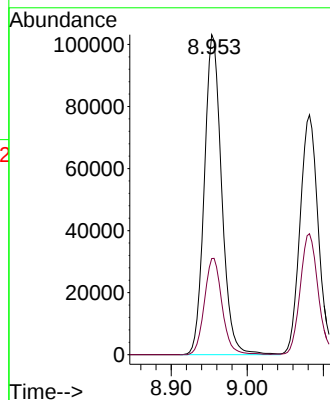
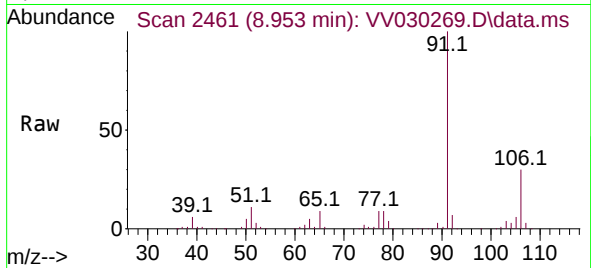




#52
Ethylbenzene
Concen: 4.294 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. -0.000 min
Lab File: VV030269.D
Acq: 20 Mar 2023 19:59

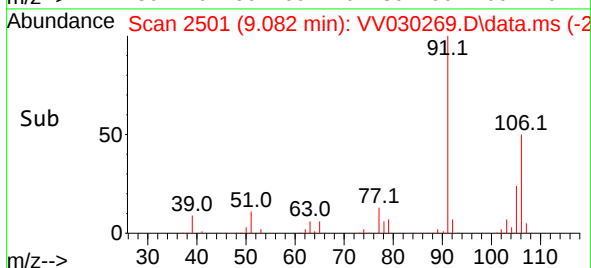
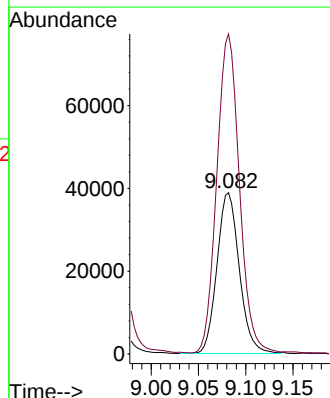
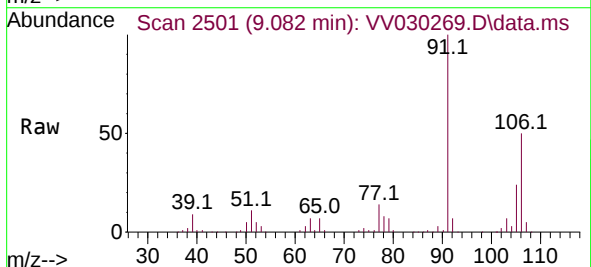
Instrument :
MSVOA_V
ClientSampleId :
C0BC9MSD

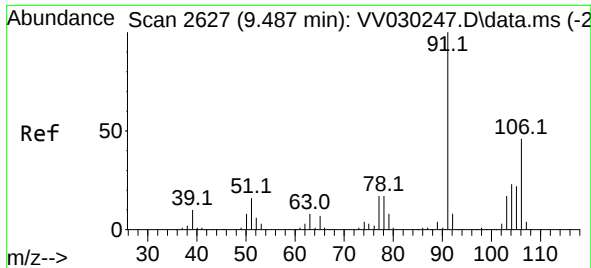
Tgt Ion: 91 Resp: 163234
Ion Ratio Lower Upper
91 100
106 30.1 22.0 40.8



#53
m,p-Xylene
Concen: 4.357 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.003 min
Lab File: VV030269.D
Acq: 20 Mar 2023 19:59

Tgt Ion: 106 Resp: 63659
Ion Ratio Lower Upper
106 100
91 198.3 142.5 264.7

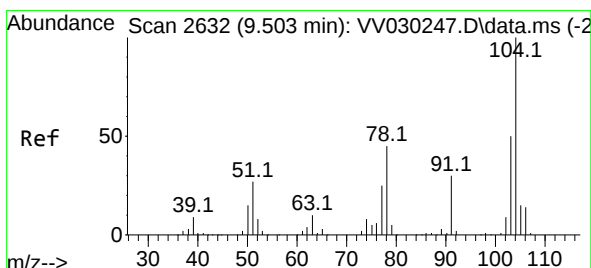
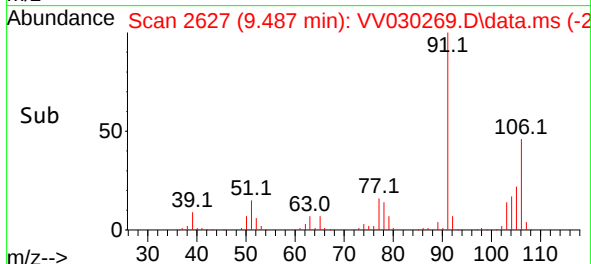
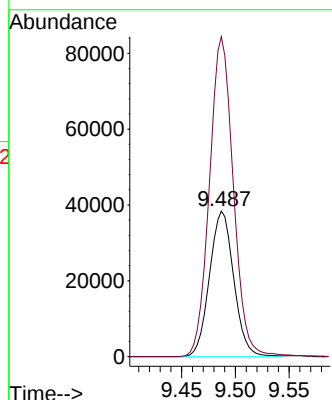
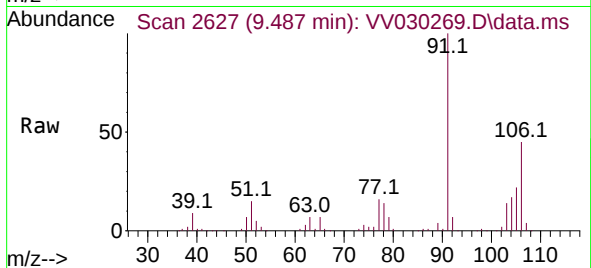




#54
o-Xylene
Concen: 4.319 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030269.D
Acq: 20 Mar 2023 19:59

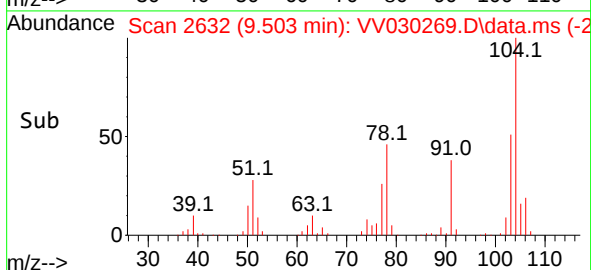
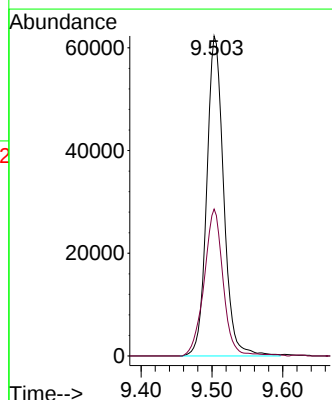
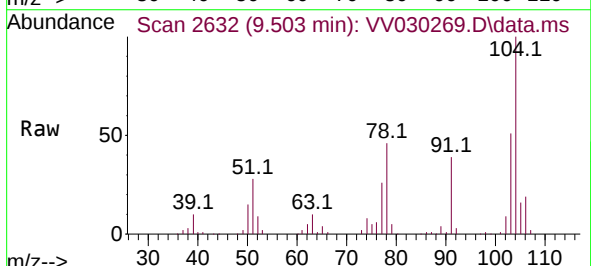
Instrument :
MSVOA_V
ClientSampleId :
C0BC9MSD

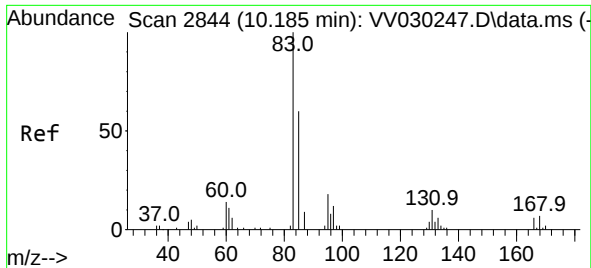
Tgt Ion:106 Resp: 60268
Ion Ratio Lower Upper
106 100
91 219.8 148.8 276.4



#55
Styrene
Concen: 4.460 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV030269.D
Acq: 20 Mar 2023 19:59

Tgt Ion:104 Resp: 103502
Ion Ratio Lower Upper
104 100
78 45.9 31.1 57.9

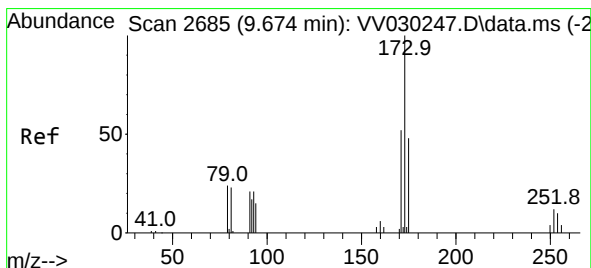
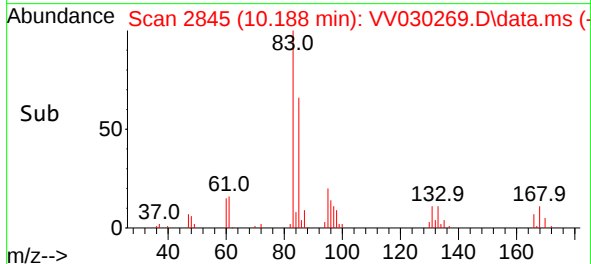
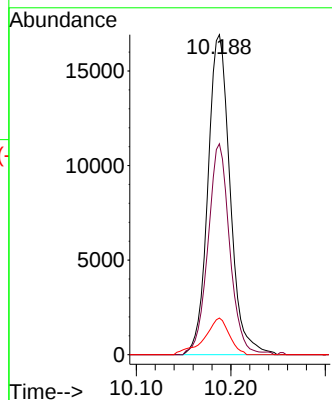
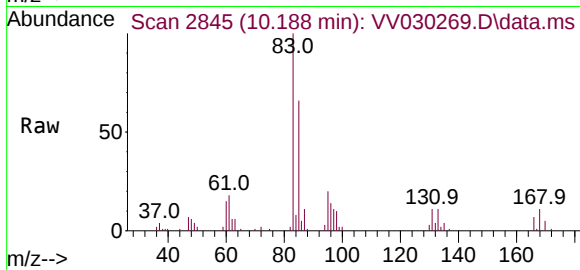




#57
1,1,2-Tetrachloroethane
Concen: 4.196 ug/L
RT: 10.188 min Scan# 2845
Delta R.T. 0.003 min
Lab File: VV030269.D
Acq: 20 Mar 2023 19:59

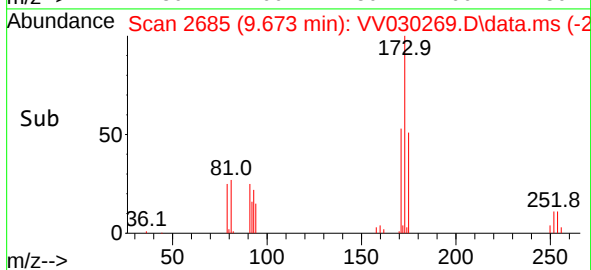
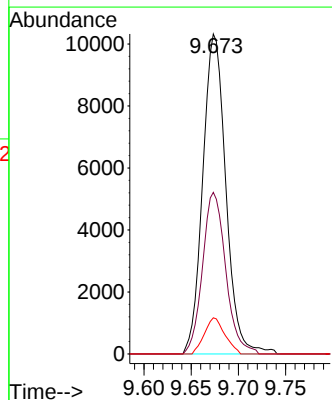
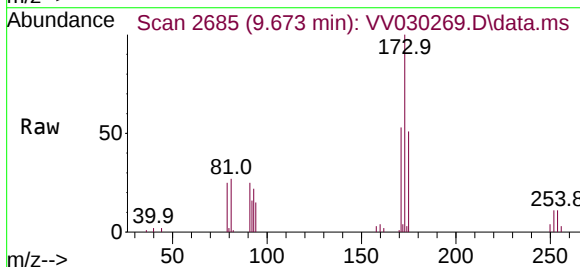
Instrument :
MSVOA_V
ClientSampleId :
C0BC9MSD

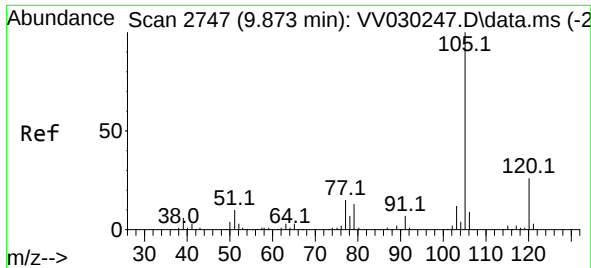
Tgt Ion:	83	Resp:	27556
Ion	Ratio	Lower	Upper
83	100		
85	65.9	45.0	83.6
131	11.4	8.2	12.4



#59
Bromoform
Concen: 4.515 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. -0.000 min
Lab File: VV030269.D
Acq: 20 Mar 2023 19:59

Tgt Ion:	173	Resp:	17531
Ion	Ratio	Lower	Upper
173	100		
175	50.7	38.5	57.7
254	10.0	8.6	13.0

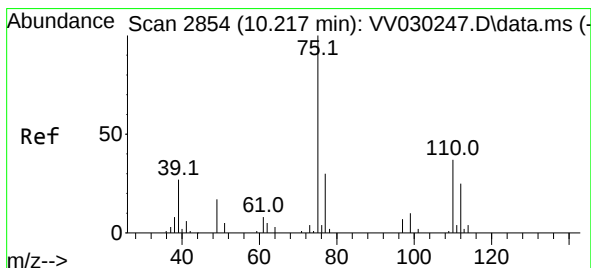
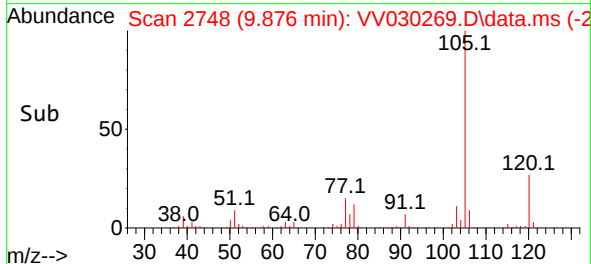
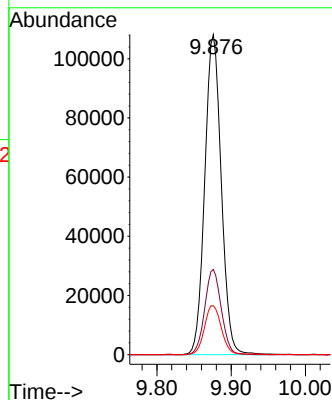
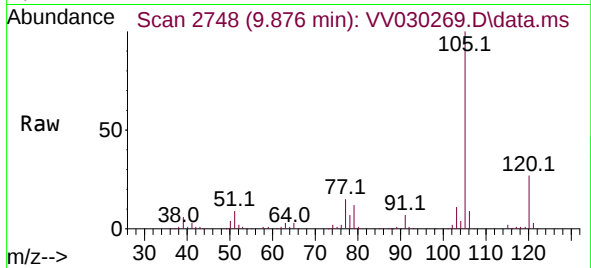




#60
Isopropylbenzene
Concen: 4.475 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV030269.D
Acq: 20 Mar 2023 19:59

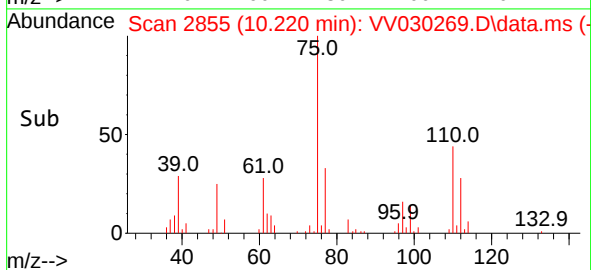
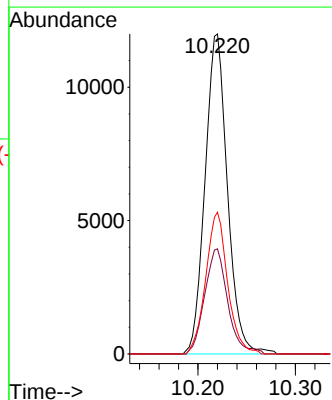
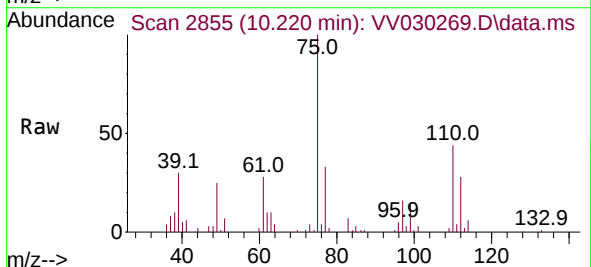
Instrument :
MSVOA_V
ClientSampleId :
C0BC9MSD

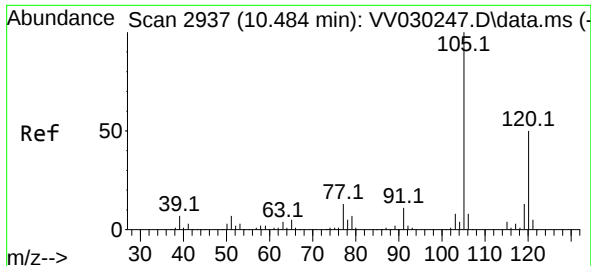
Tgt Ion:105 Resp: 166812
Ion Ratio Lower Upper
105 100
120 26.7 21.4 32.0
77 15.7 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 4.418 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.003 min
Lab File: VV030269.D
Acq: 20 Mar 2023 19:59

Tgt Ion: 75 Resp: 19154
Ion Ratio Lower Upper
75 100
77 33.9 26.5 39.7
110 43.3 31.8 47.6

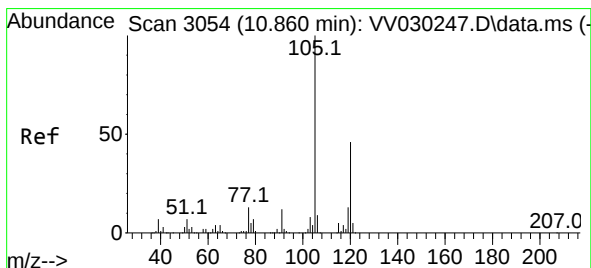
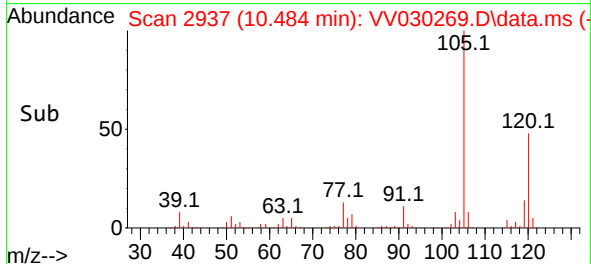
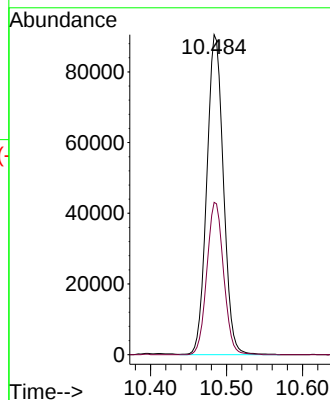
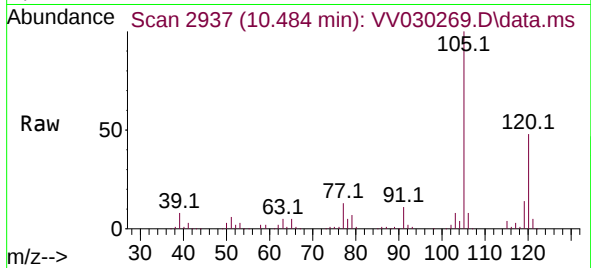




#62
1,3,5-Trimethylbenzene
Concen: 4.493 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VV030269.D
Acq: 20 Mar 2023 19:59

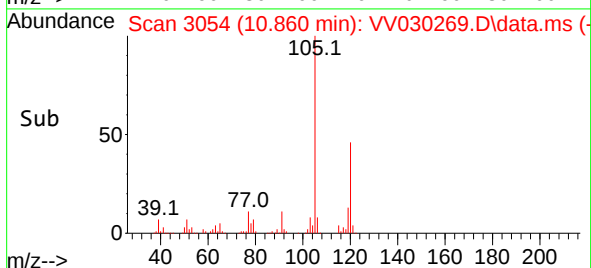
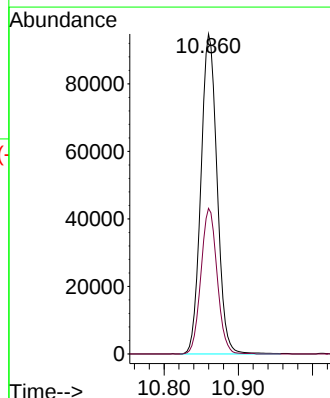
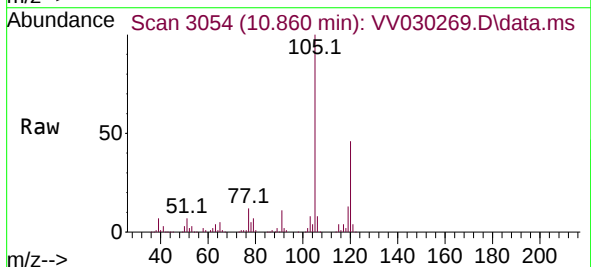
Instrument :
MSVOA_V
ClientSampleId :
C0BC9MSD

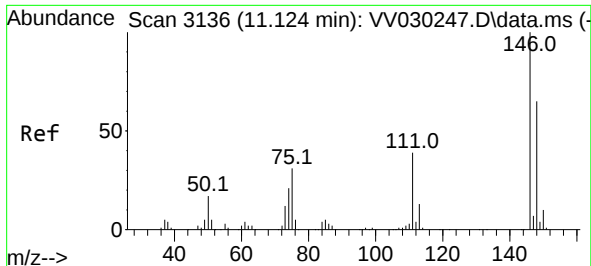
Tgt Ion:105 Resp: 137574
Ion Ratio Lower Upper
105 100
120 47.9 39.6 59.4



#63
1,2,4-Trimethylbenzene
Concen: 4.585 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. -0.000 min
Lab File: VV030269.D
Acq: 20 Mar 2023 19:59

Tgt Ion:105 Resp: 143599
Ion Ratio Lower Upper
105 100
120 45.4 36.2 54.4

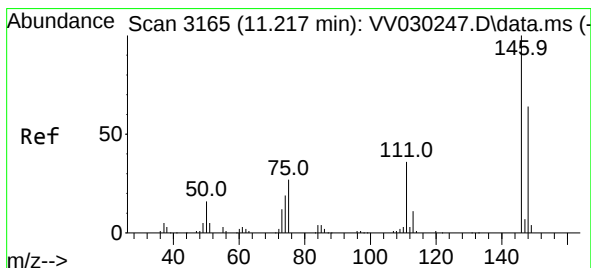
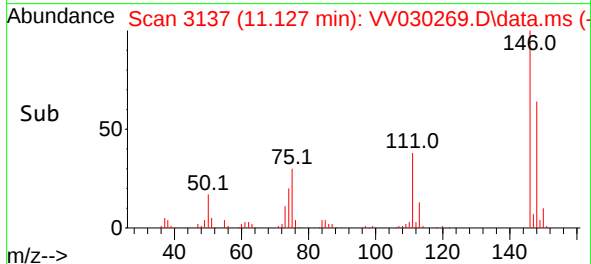
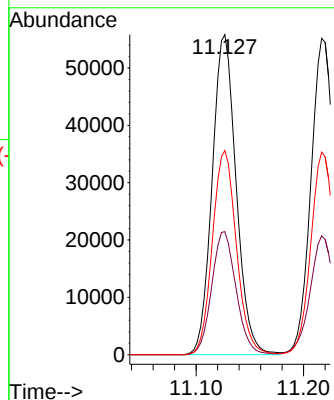
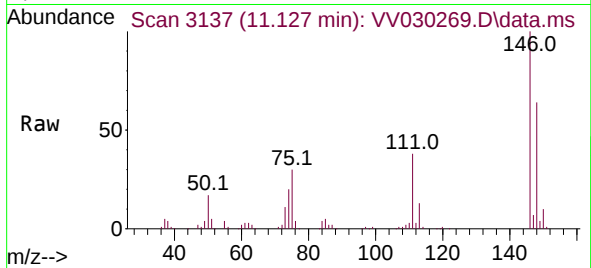




#64
1,3-Dichlorobenzene
Concen: 4.463 ug/L
RT: 11.127 min Scan# 3136
Delta R.T. 0.003 min
Lab File: VV030269.D
Acq: 20 Mar 2023 19:59

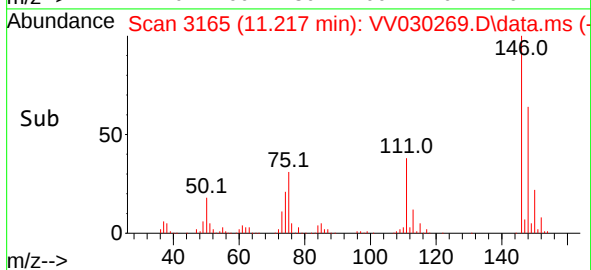
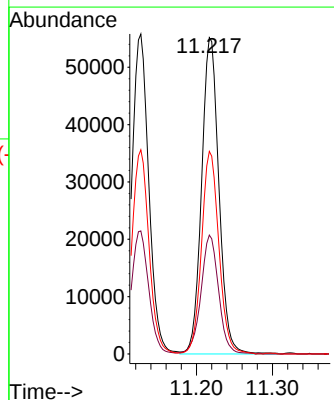
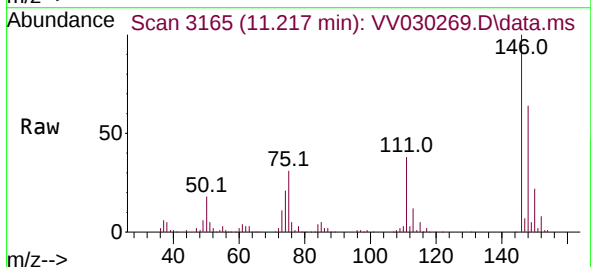
Instrument :
MSVOA_V
ClientSampleId :
C0BC9MSD

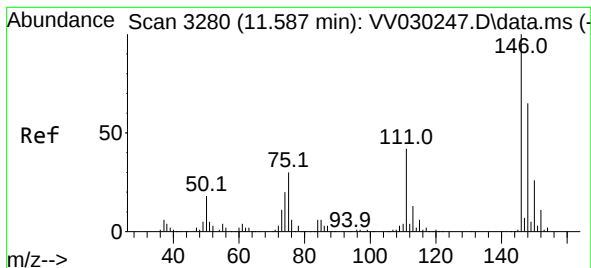
Tgt Ion:146 Resp: 86622
Ion Ratio Lower Upper
146 100
111 38.4 27.7 51.5
148 63.8 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 4.462 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030269.D
Acq: 20 Mar 2023 19:59

Tgt Ion:146 Resp: 87366
Ion Ratio Lower Upper
146 100
111 37.6 27.4 51.0
148 64.0 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 4.583 ug/L

RT: 11.590 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030269.D

Acq: 20 Mar 2023 19:59

Instrument :

MSVOA_V

ClientSampleId :

C0BC9MSD

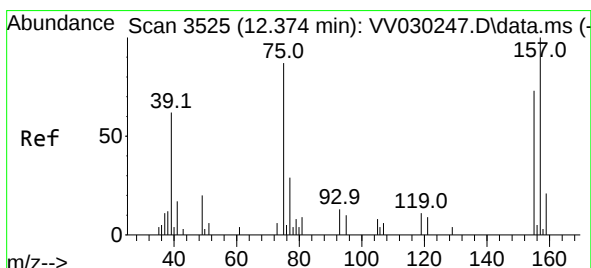
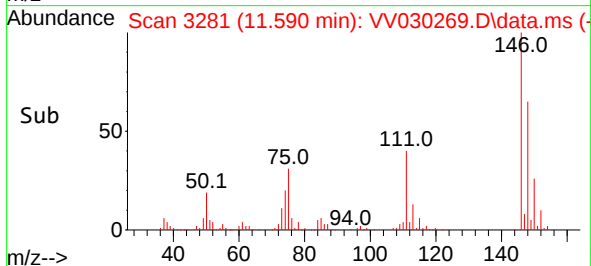
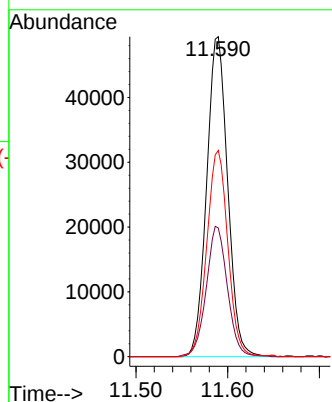
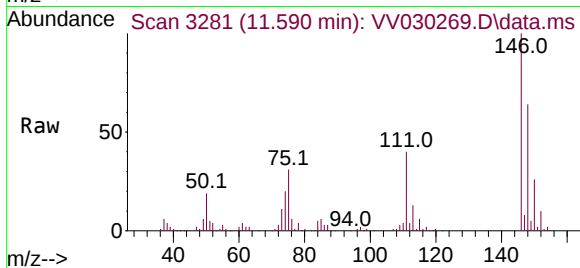
Tgt Ion:146 Resp: 78531

Ion Ratio Lower Upper

146 100

111 40.2 33.5 50.3

148 64.4 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 4.876 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. -0.000 min

Lab File: VV030269.D

Acq: 20 Mar 2023 19:59

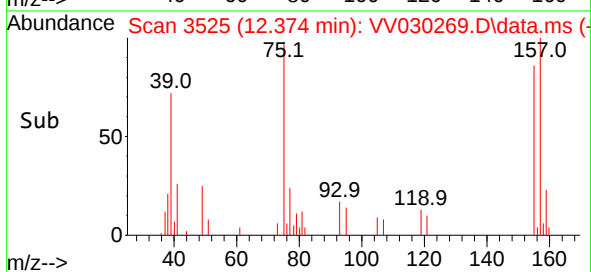
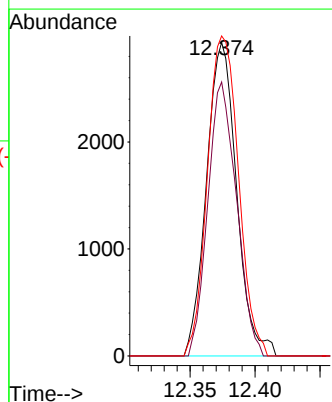
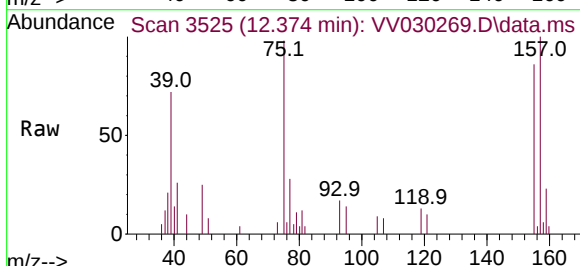
Tgt Ion: 75 Resp: 4721

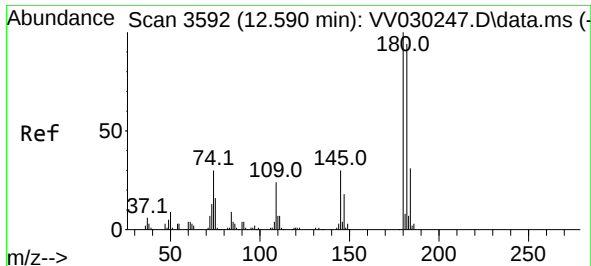
Ion Ratio Lower Upper

75 100

155 87.4 79.1 118.7

157 102.0 95.5 143.3

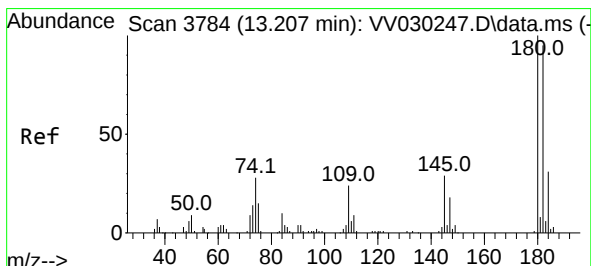
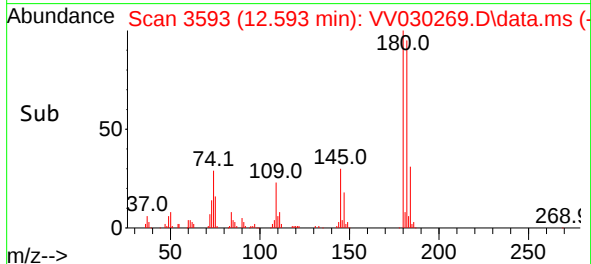
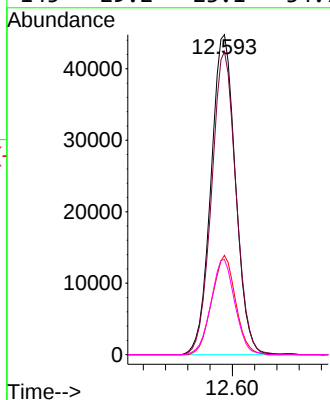
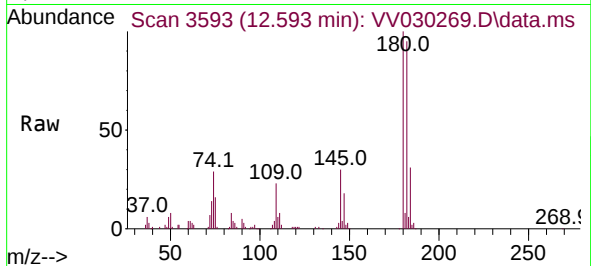




#69
 1,3,5-Trichlorobenzene
 Concen: 4.272 ug/L
 RT: 12.593 min Scan# 3592
 Delta R.T. -0.000 min
 Lab File: VV030269.D
 Acq: 20 Mar 2023 19:59

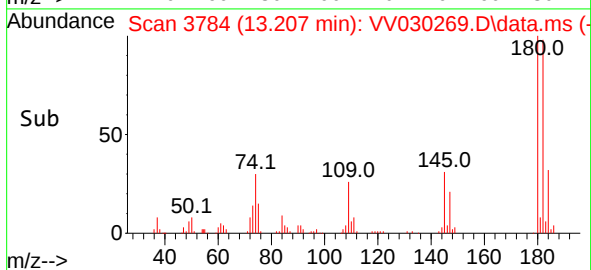
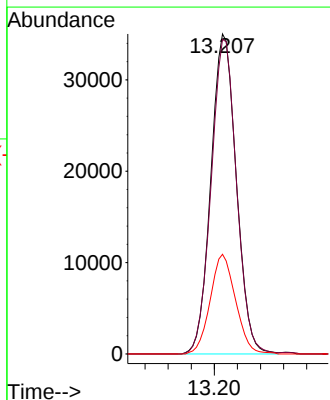
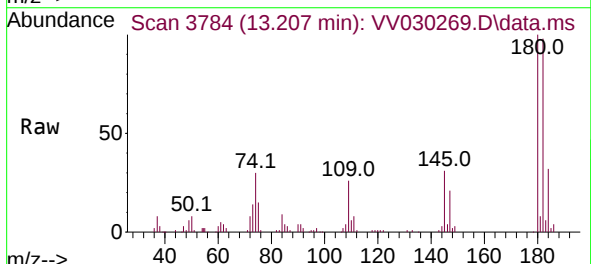
Instrument :
 MSVOA_V
 ClientSampleId :
 C0BC9MSD

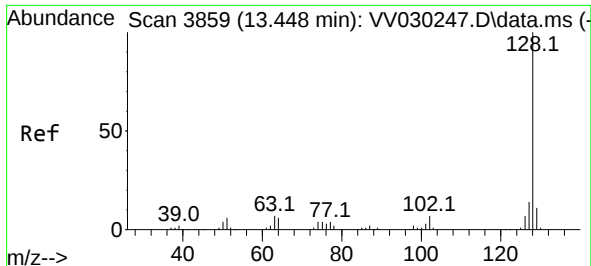
Tgt Ion:180	Resp:	68155
Ion Ratio	Lower	Upper
180	100	
182	94.4	76.5 114.7
184	30.1	24.3 36.5
145	29.2	23.1 34.7



#70
 1,2,4-trichlorobenzene
 Concen: 4.143 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. -0.000 min
 Lab File: VV030269.D
 Acq: 20 Mar 2023 19:59

Tgt Ion:180	Resp:	53548
Ion Ratio	Lower	Upper
180	100	
182	98.2	77.3 115.9
145	31.0	23.1 34.7

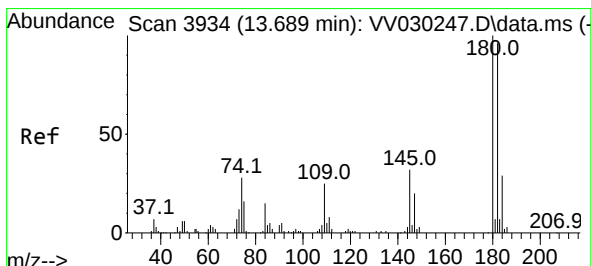
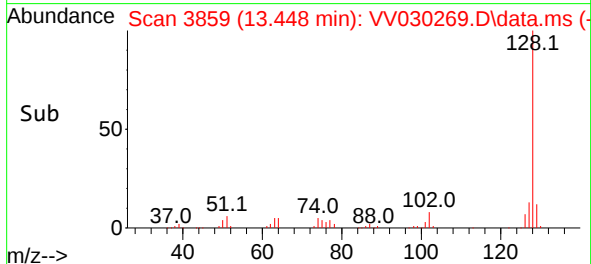
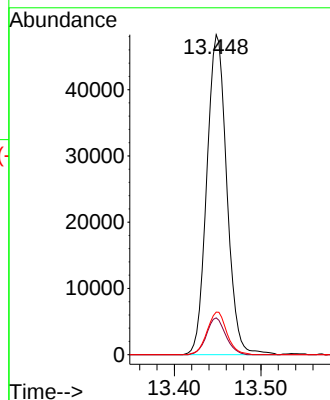
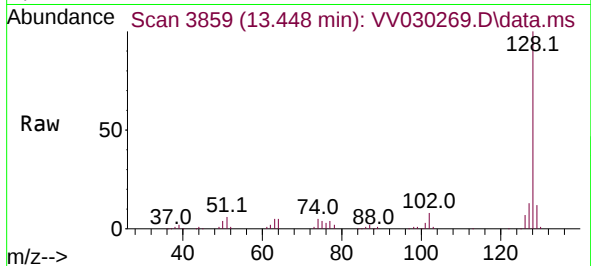




#71
Naphthalene
Concen: 4.584 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. -0.000 min
Lab File: VV030269.D
Acq: 20 Mar 2023 19:59

Instrument :
MSVOA_V
ClientSampleId :
C0BC9MSD

Tgt Ion:128 Resp: 77414
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.2 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 4.382 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. -0.000 min
Lab File: VV030269.D
Acq: 20 Mar 2023 19:59

Tgt Ion:180 Resp: 46620
Ion Ratio Lower Upper
180 100
182 93.9 76.2 114.2
145 31.1 25.1 37.7

