

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW030323\
 Data File : VW030139.D
 Acq On : 03 Mar 2023 14:46
 Operator : SY/MD
 Sample : 01769-07MSD
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBYL5MSD

Quant Time: Mar 03 22:29:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 03 22:25:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	144098	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	140558	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	85281	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	43612	4.677	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.600%
7) Chloroethane-d5	1.539	69	45190	5.163	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.200%
11) 1,1-Dichloroethene-d2	2.069	63	98111	5.118	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.400%
20) 2-Butanone-d5	3.815	46	101052	58.784	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.560%
24) Chloroform-d	4.262	84	105483	5.538	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.800%
26) 1,2-Dichloroethane-d4	4.953	65	44212	5.686	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.800%
32) Benzene-d6	4.973	84	189594	5.013	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
36) 1,2-Dichloropropane-d6	5.998	67	59455	5.225	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.600%
41) Toluene-d8	7.252	98	180121	5.024	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.400%
43) trans-1,3-Dichloroprop...	7.561	79	19076	4.900	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.000%
46) 2-Hexanone-d5	8.034	63	90947	56.471	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.940%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	47478	5.865	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.400%
66) 1,2-Dichlorobenzene-d4	11.570	152	70715	4.901	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	64956	5.540	ug/L	99
3) Chloromethane	1.217	50	91467	4.951	ug/L	99
5) Vinyl chloride	1.285	62	67831	5.525	ug/L	99
6) Bromomethane	1.494	94	12795	5.805	ug/L	91
8) Chloroethane	1.555	64	42037	5.619	ug/L	99
9) Trichlorofluoromethane	1.719	101	100079	5.681	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	59473	5.444	ug/L	99
12) 1,1-Dichloroethene	2.076	96	53095	5.490	ug/L	97
13) Acetone	2.150	43	60967	47.984	ug/L #	45
14) Carbon disulfide	2.249	76	137665	5.320	ug/L	99
15) Methyl Acetate	2.391	43	13820	4.657	ug/L	100
16) Methylene chloride	2.455	84	52864	4.475	ug/L	97
17) Methyl tert-butyl Ether	2.712	73	100316	5.305	ug/L	99
18) trans-1,2-Dichloroethene	2.703	96	49875	5.422	ug/L	99
19) 1,1-Dichloroethane	3.121	63	97754	5.704	ug/L	99
21) 2-Butanone	3.902	43	90111	52.735	ug/L	93
22) cis-1,2-Dichloroethene	3.828	96	54337	5.344	ug/L	100
23) Bromochloromethane	4.159	128	25739	5.924	ug/L	95
25) Chloroform	4.288	83	103787	5.822	ug/L	97

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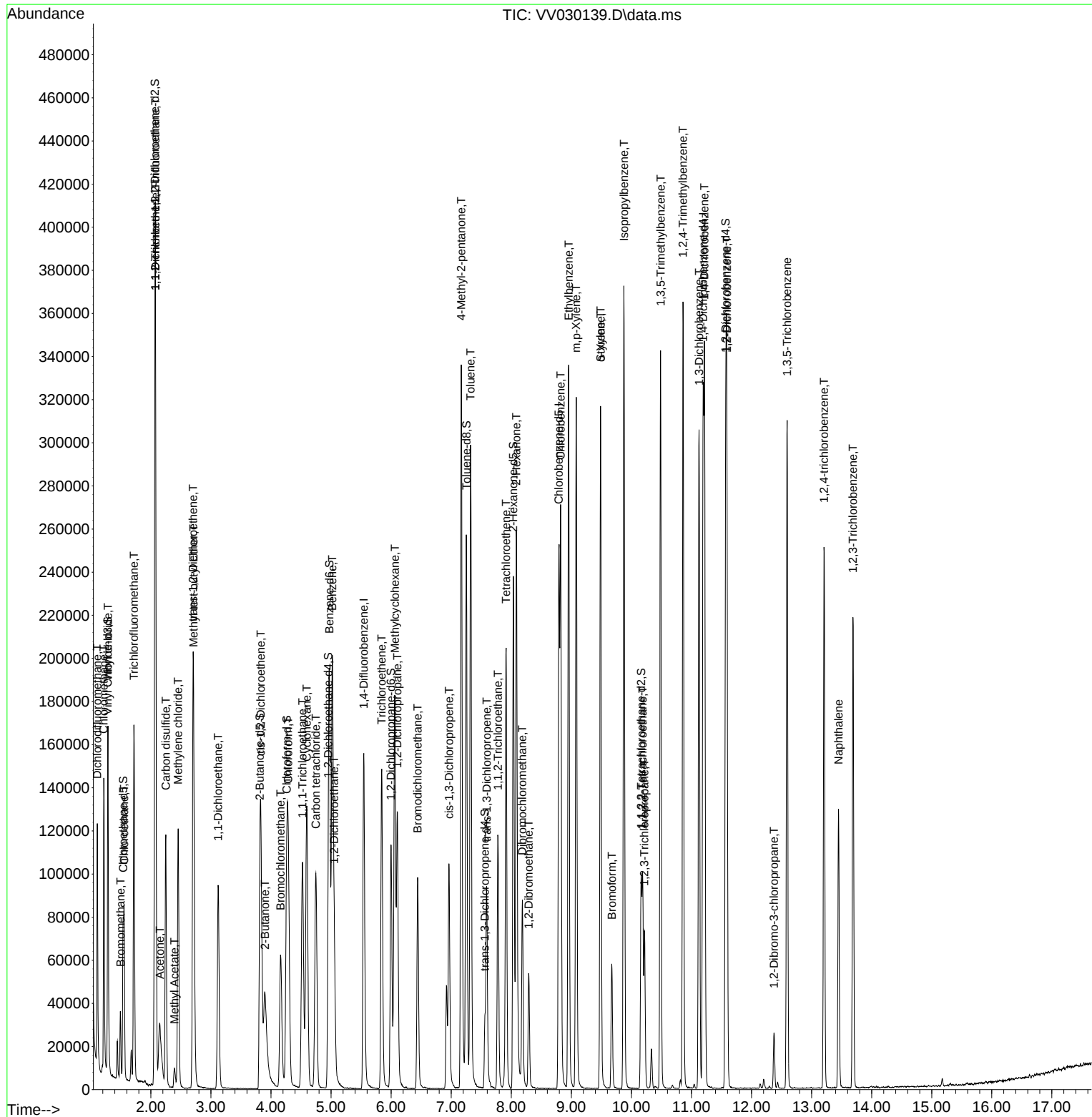
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	53464	5.734	ug/L	96
29) 1,1,1-Trichloroethane	4.522	97	92017	5.573	ug/L	100
30) Cyclohexane	4.596	56	69754	4.889	ug/L	97
31) Carbon tetrachloride	4.747	117	81385	5.484	ug/L	98
33) Benzene	5.021	78	211719	5.515	ug/L	100
34) Trichloroethene	5.844	95	54370	5.055	ug/L	98
35) Methylcyclohexane	6.063	83	76487	4.698	ug/L	97
37) 1,2-Dichloropropane	6.104	63	55496	5.683	ug/L	100
38) Bromodichloromethane	6.442	83	70385	5.646	ug/L	99
39) cis-1,3-Dichloropropene	6.963	75	70122	4.905	ug/L	98
40) 4-Methyl-2-pentanone	7.169	43	220627	54.748	ug/L	99
42) Toluene	7.323	91	229914	5.530	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	57165	5.122	ug/L	98
45) 1,1,2-Trichloroethane	7.776	97	38800	5.552	ug/L	96
47) Tetrachloroethene	7.915	164	48275	5.229	ug/L	97
48) 2-Hexanone	8.085	43	158563	54.961	ug/L	99
49) Dibromochloromethane	8.185	129	46032	5.629	ug/L	100
50) 1,2-Dibromoethane	8.291	107	36257	5.561	ug/L	95
51) Chlorobenzene	8.821	112	150831	5.379	ug/L	99
52) Ethylbenzene	8.956	91	238274	5.266	ug/L	98
53) m,p-Xylene	9.082	106	91895	5.284	ug/L	97
54) o-Xylene	9.487	106	87014	5.238	ug/L	99
55) Styrene	9.487	104	5975	0.216	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	10.188	83	45911	5.874	ug/L	98
59) Bromoform	9.673	173	27610	5.402	ug/L	99
60) Isopropylbenzene	9.876	105	236637	4.822	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	30628	5.366	ug/L	97
62) 1,3,5-Trimethylbenzene	10.487	105	187595	4.654	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	197813	4.798	ug/L	100
64) 1,3-Dichlorobenzene	11.127	146	129907	5.084	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	132711	5.148	ug/L	98
67) 1,2-Dichlorobenzene	11.590	146	118499	5.253	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	6850	5.374	ug/L	94
69) 1,3,5-Trichlorobenzene	12.593	180	99289	4.727	ug/L	100
70) 1,2,4-trichlorobenzene	13.207	180	78608	4.620	ug/L	99
71) Naphthalene	13.448	128	103077	4.636	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	67836	4.843	ug/L	98

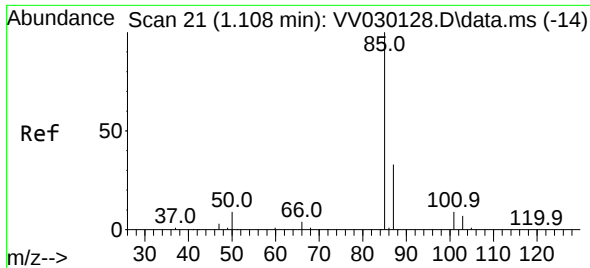
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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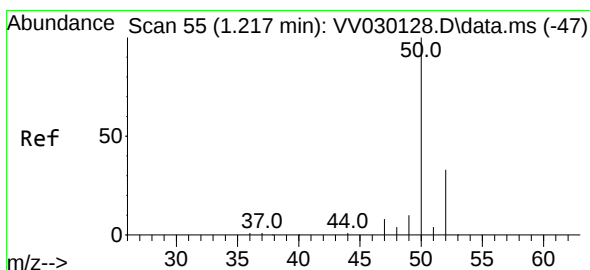
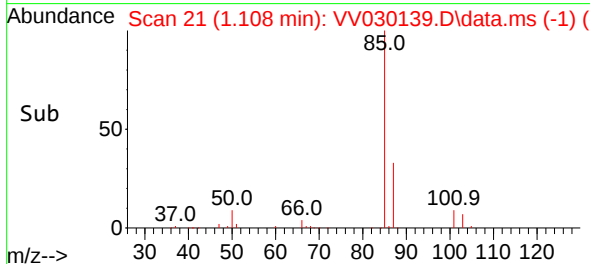
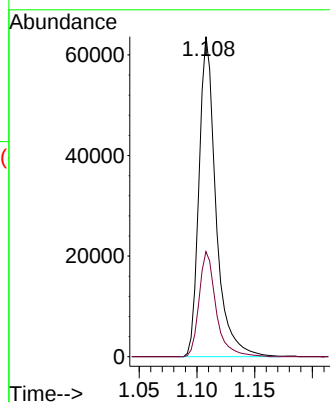
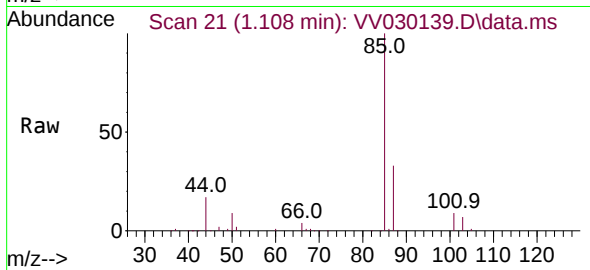




#2
 Dichlorodifluoromethane
 Concen: 5.540 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030139.D
 Acq: 03 Mar 2023 14:46

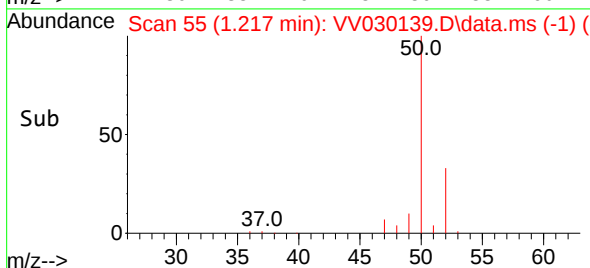
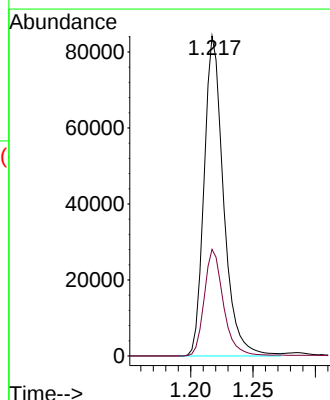
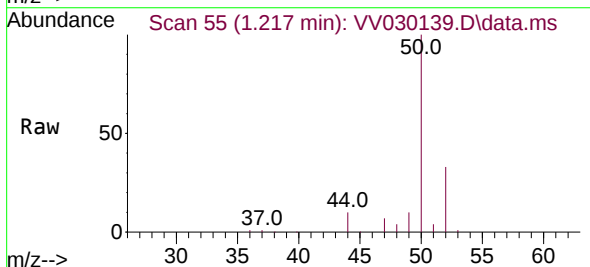
Instrument :
 MSVOA_V
 ClientSampleId :
 DBYL5MSD

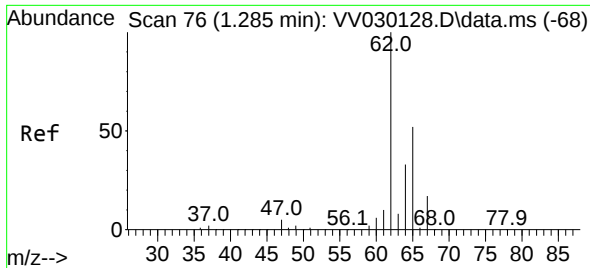
Tgt Ion: 85 Resp: 64956
 Ion Ratio Lower Upper
 85 100
 87 32.9 26.6 39.8



#3
 Chloromethane
 Concen: 4.951 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030139.D
 Acq: 03 Mar 2023 14:46

Tgt Ion: 50 Resp: 91467
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.6 43.8

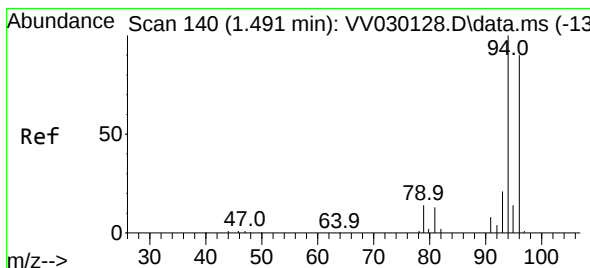
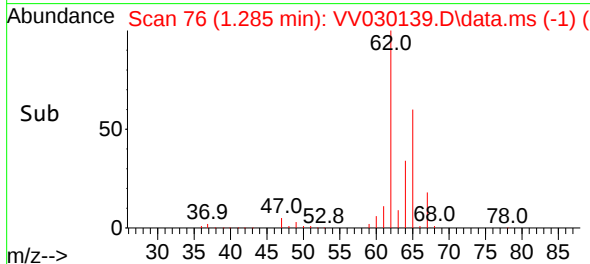
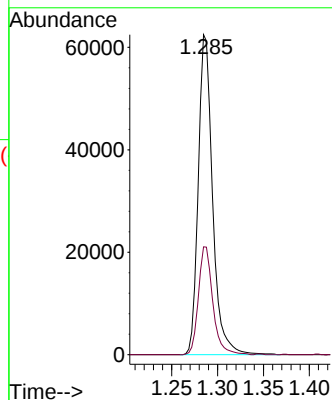
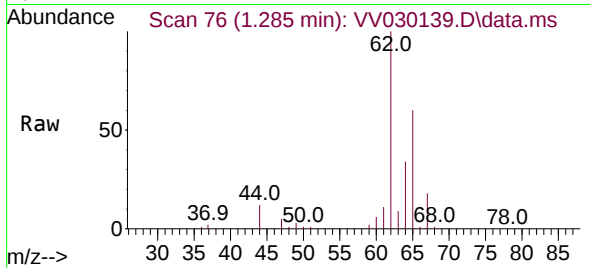




#5
 Vinyl chloride
 Concen: 5.525 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VV030139.D
 Acq: 03 Mar 2023 14:46

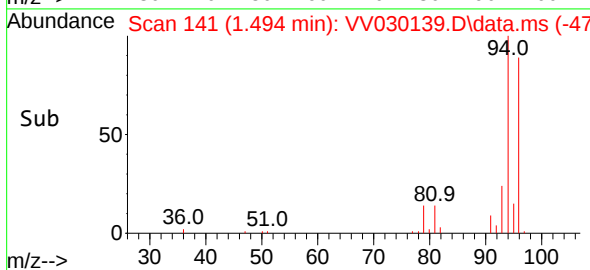
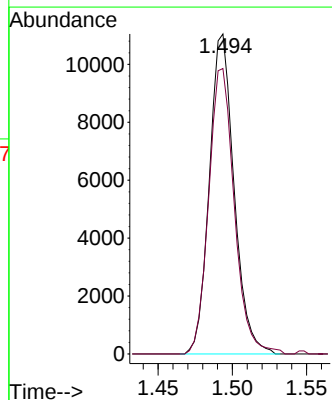
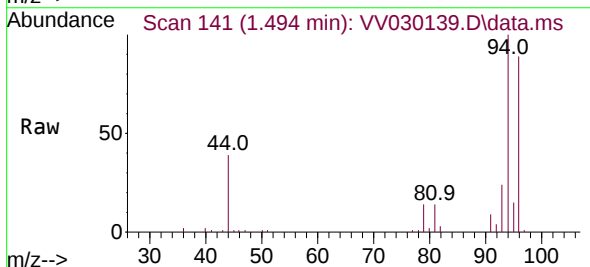
Instrument :
 MSVOA_V
 ClientSampleId :
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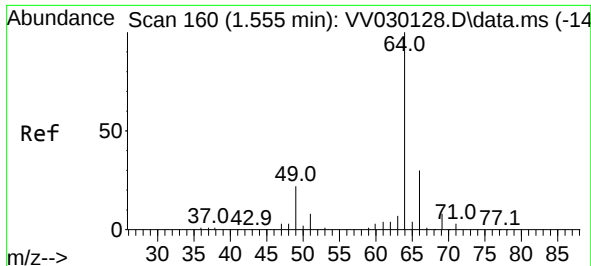
Tgt Ion: 62 Resp: 67831
 Ion Ratio Lower Upper
 62 100
 64 33.7 23.1 42.9



#6
 Bromomethane
 Concen: 5.805 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. 0.003 min
 Lab File: VV030139.D
 Acq: 03 Mar 2023 14:46

Tgt Ion: 94 Resp: 12795
 Ion Ratio Lower Upper
 94 100
 96 89.2 68.4 127.0

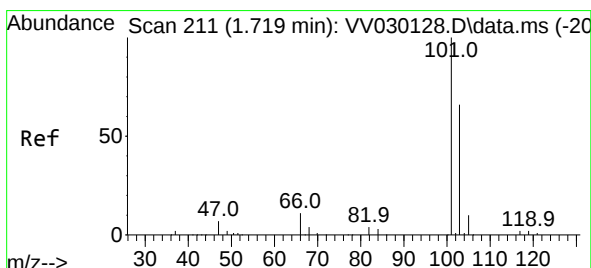
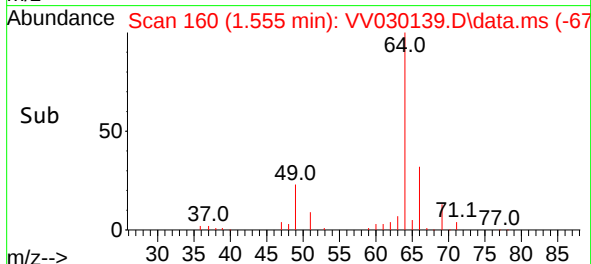
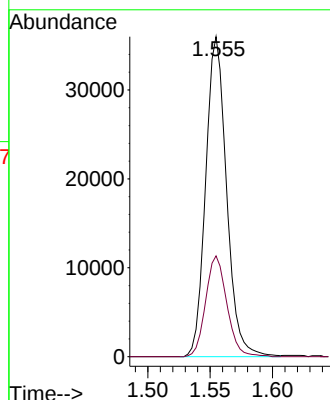
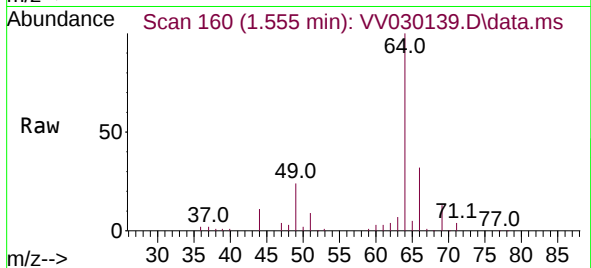




#8
Chloroethane
Concen: 5.619 ug/L
RT: 1.555 min Scan# 160
Delta R.T. -0.000 min
Lab File: VV030139.D
Acq: 03 Mar 2023 14:46

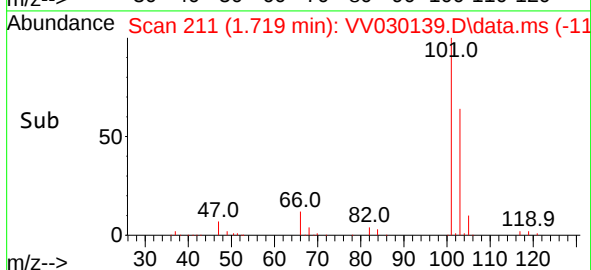
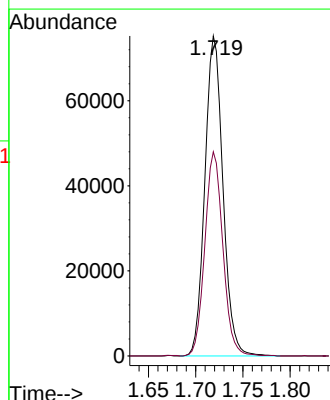
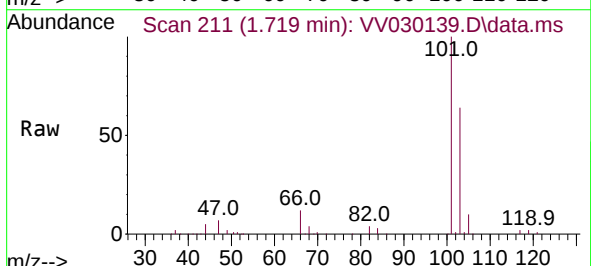
Instrument :
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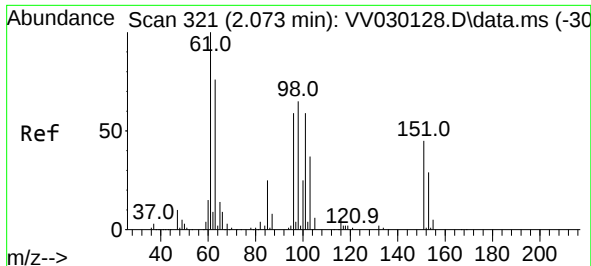
Tgt Ion: 64 Resp: 42037
Ion Ratio Lower Upper
64 100
66 31.5 22.4 41.6



#9
Trichlorofluoromethane
Concen: 5.681 ug/L
RT: 1.719 min Scan# 211
Delta R.T. -0.000 min
Lab File: VV030139.D
Acq: 03 Mar 2023 14:46

Tgt Ion:101 Resp: 100079
Ion Ratio Lower Upper
101 100
103 63.7 52.7 79.1





#10

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

Concen: 5.444 ug/L

RT: 2.076 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030139.D

Acq: 03 Mar 2023 14:46

Instrument :

MSVOA_V

ClientSampleId :

DBYL5MSD

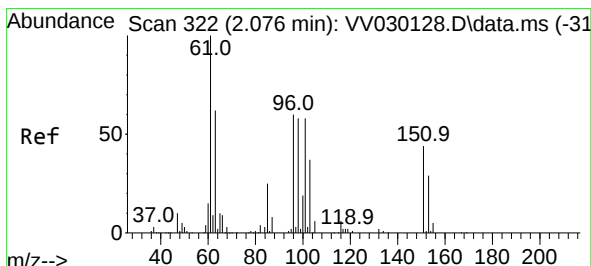
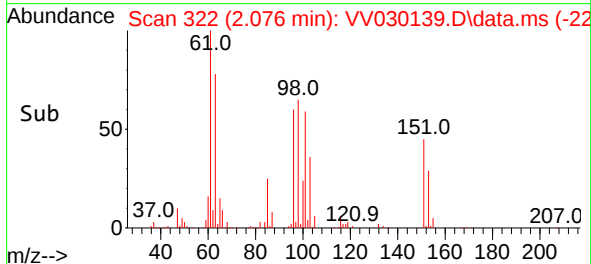
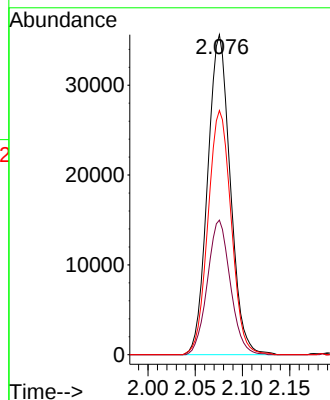
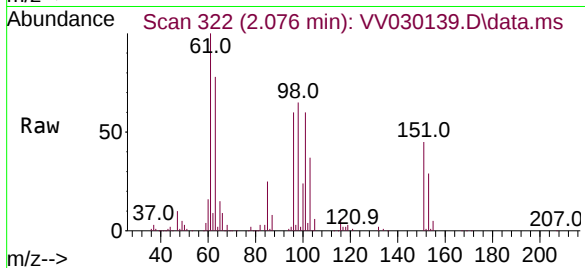
Tgt Ion:101 Resp: 59473

Ion Ratio Lower Upper

101 100

85 42.4 33.5 50.3

151 78.0 61.6 92.4



#12

1,1-Dichloroethene

Concen: 5.490 ug/L

RT: 2.076 min Scan# 322

Delta R.T. -0.000 min

Lab File: VV030139.D

Acq: 03 Mar 2023 14:46

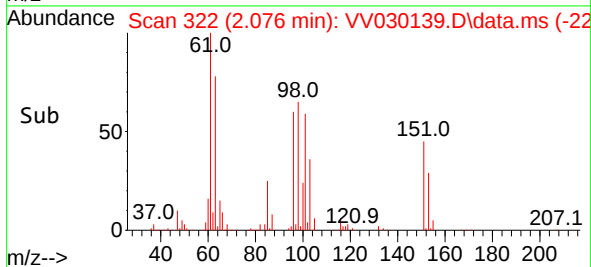
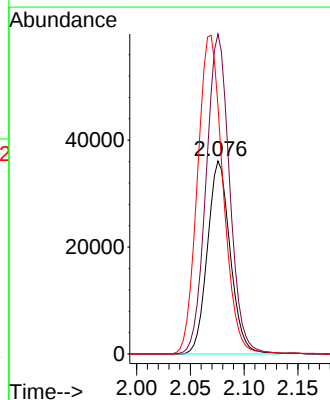
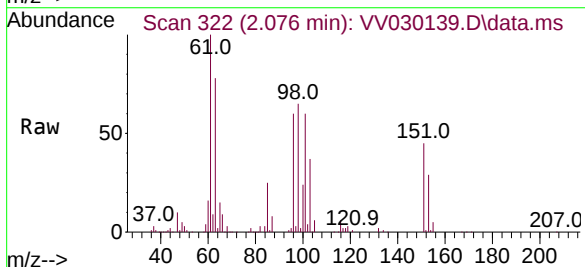
Tgt Ion: 96 Resp: 53095

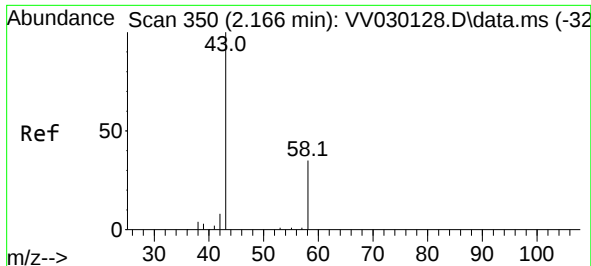
Ion Ratio Lower Upper

96 100

61 165.8 115.6 214.6

63 128.8 85.6 159.0





#13

Acetone

Concen: 47.984 ug/L

RT: 2.150 min Scan# 34

Delta R.T. -0.016 min

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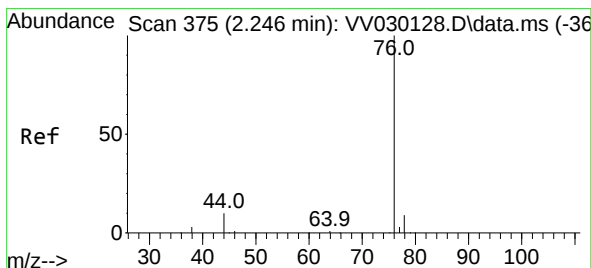
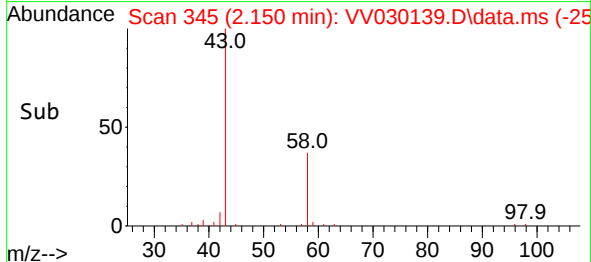
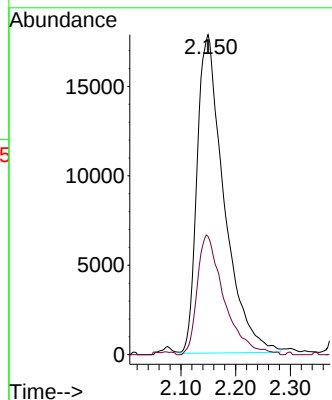
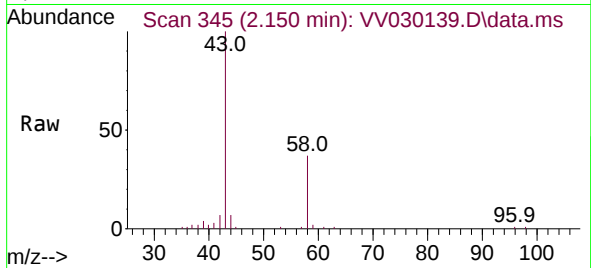
DBYL5MSD

Tgt Ion: 43 Resp: 60967

Ion Ratio Lower Upper

43 100

58 37.3 0.0 29.4#



#14

Carbon disulfide

Concen: 5.320 ug/L

RT: 2.249 min Scan# 376

Delta R.T. 0.003 min

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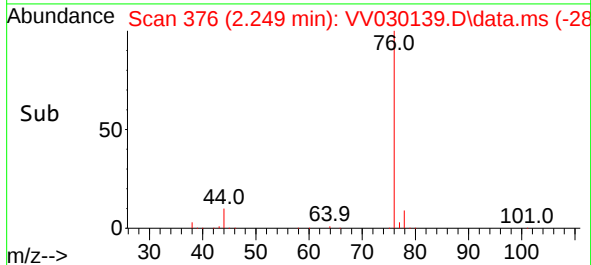
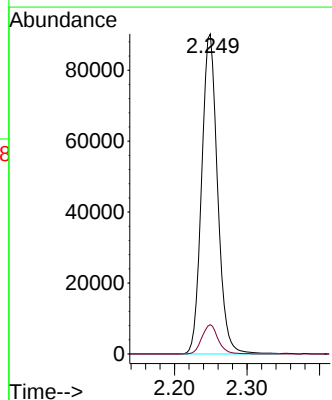
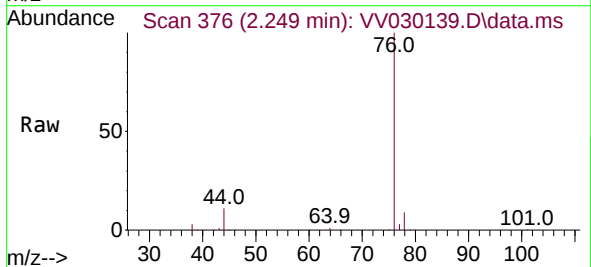
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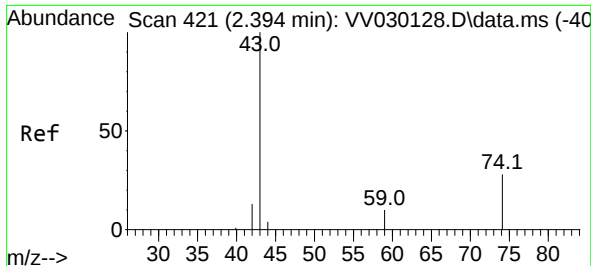
Tgt Ion: 76 Resp: 137665

Ion Ratio Lower Upper

76 100

78 9.1 7.7 11.5

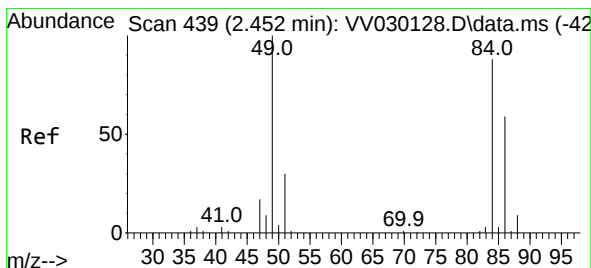
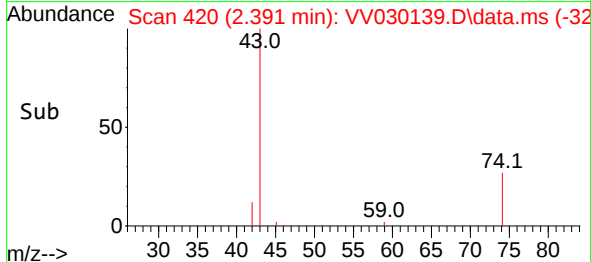
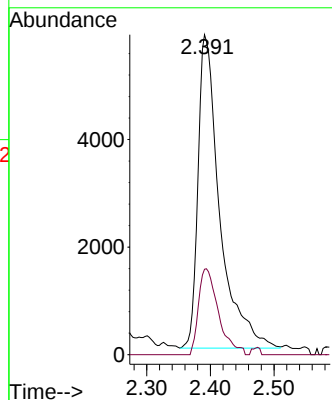
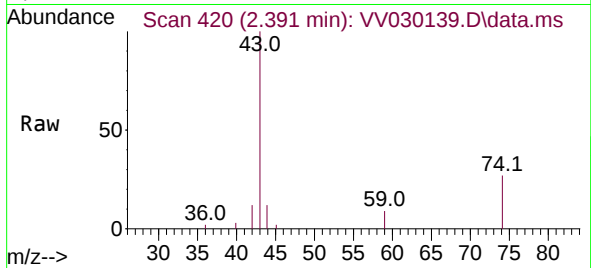




#15
Methyl Acetate
Concen: 4.657 ug/L
RT: 2.391 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV030139.D
Acq: 03 Mar 2023 14:46

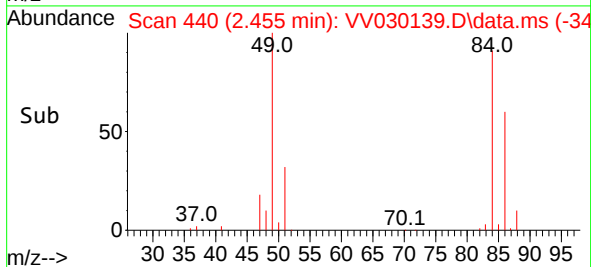
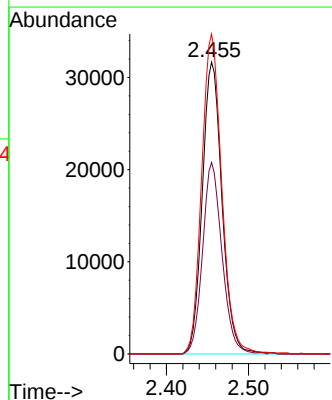
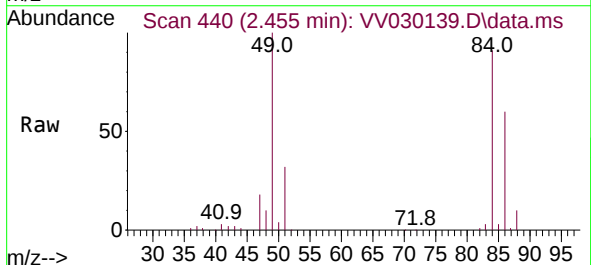
Instrument :
MSVOA_V
ClientSampleId :
DBYL5MSD

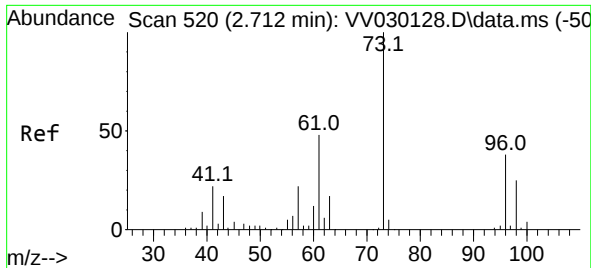
Tgt Ion: 43 Resp: 13820
Ion Ratio Lower Upper
43 100
74 25.1 20.1 30.1



#16
Methylene chloride
Concen: 4.475 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030139.D
Acq: 03 Mar 2023 14:46

Tgt Ion: 84 Resp: 52864
Ion Ratio Lower Upper
84 100
86 65.7 44.7 83.1
49 109.7 78.8 146.3





#17

Methyl tert-butyl Ether

Concen: 5.305 ug/L

RT: 2.712 min Scan# 517

Delta R.T. -0.000 min

Lab File: VV030139.D

Acq: 03 Mar 2023 14:46

Instrument :

MSVOA_V

ClientSampleId :

DBYL5MSD

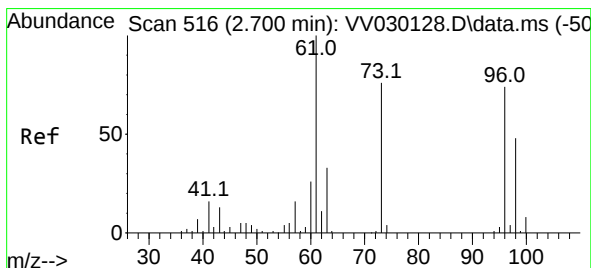
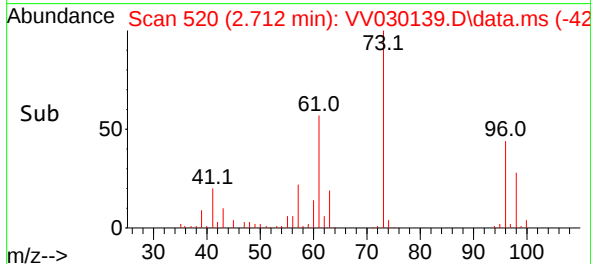
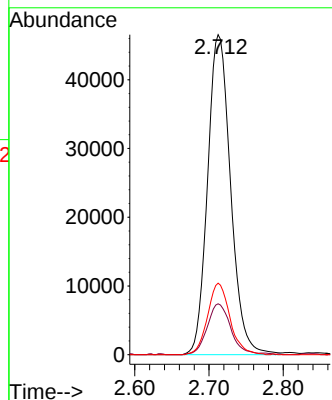
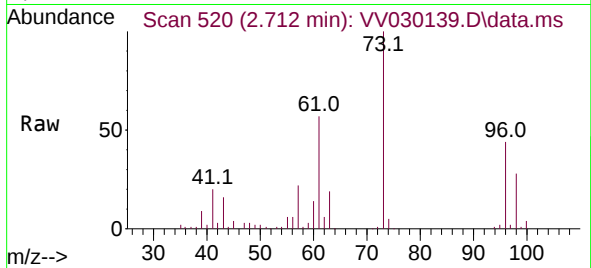
Tgt Ion: 73 Resp: 100316

Ion Ratio Lower Upper

73 100

43 16.2 13.4 20.2

57 21.7 16.8 25.2



#18

trans-1,2-Dichloroethene

Concen: 5.422 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.003 min

Lab File: VV030139.D

Acq: 03 Mar 2023 14:46

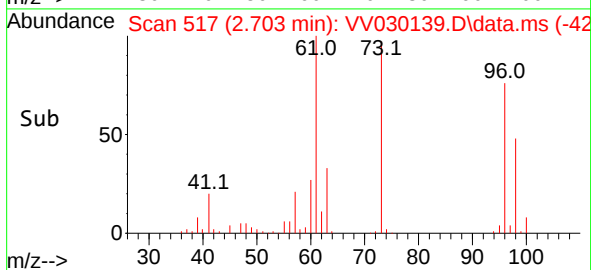
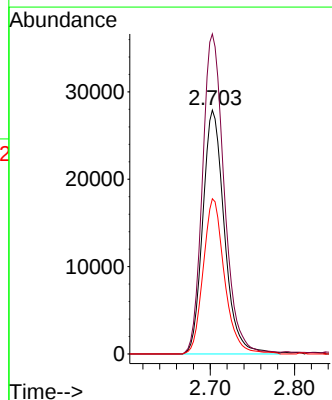
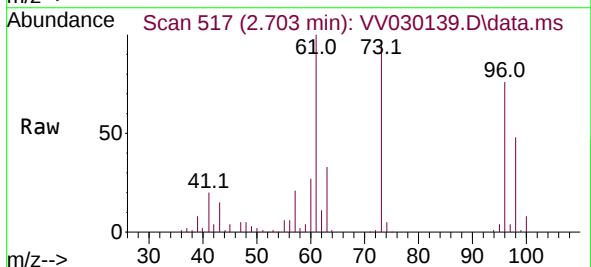
Tgt Ion: 96 Resp: 49875

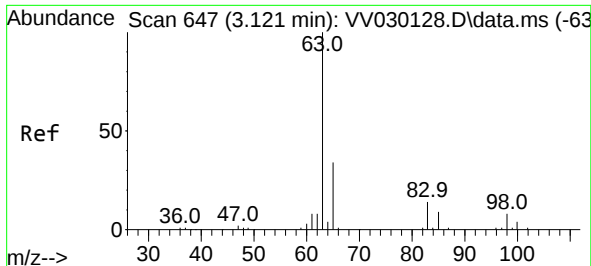
Ion Ratio Lower Upper

96 100

61 131.2 91.0 169.0

98 63.6 45.2 84.0





#19

1,1-Dichloroethane

Concen: 5.704 ug/L

RT: 3.121 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV030139.D

Acq: 03 Mar 2023 14:46

Instrument :

MSVOA_V

ClientSampleId :

DBYL5MSD

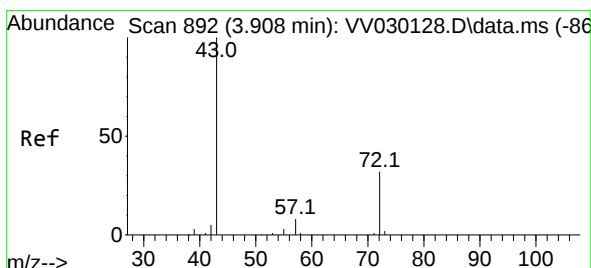
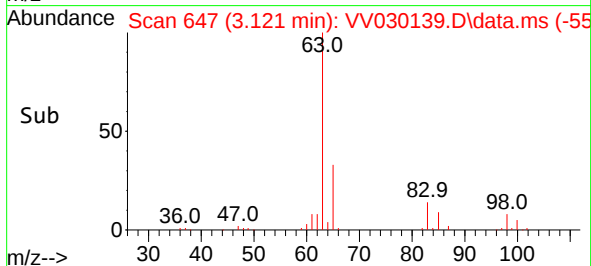
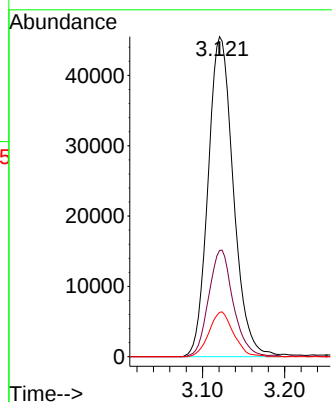
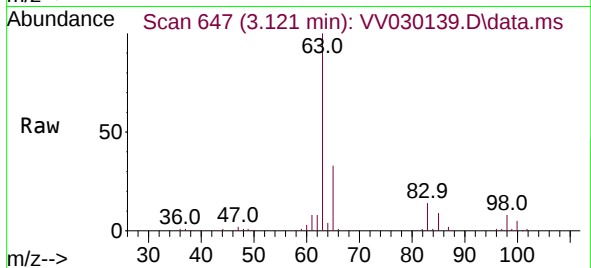
Tgt Ion: 63 Resp: 97754

Ion Ratio Lower Upper

63 100

65 33.2 23.0 42.8

83 13.8 9.6 17.8



#21

2-Butanone

Concen: 52.735 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.007 min

Lab File: VV030139.D

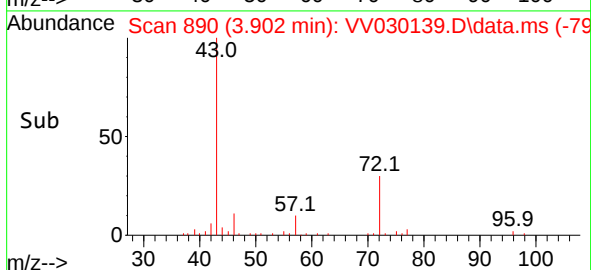
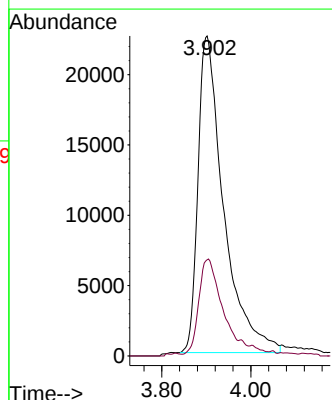
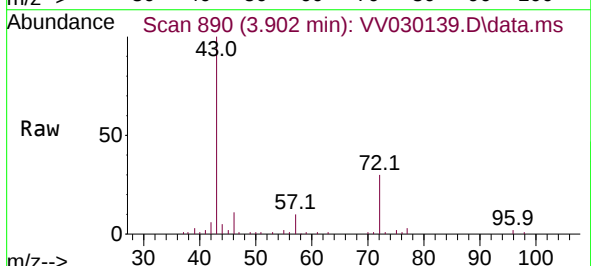
Acq: 03 Mar 2023 14:46

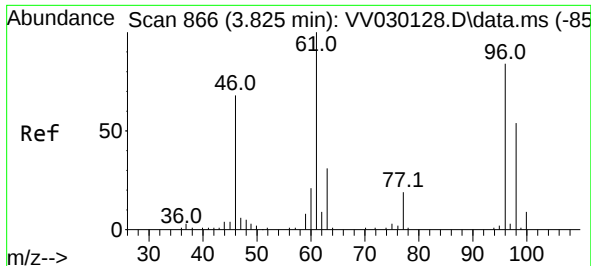
Tgt Ion: 43 Resp: 90111

Ion Ratio Lower Upper

43 100

72 26.4 15.1 45.3

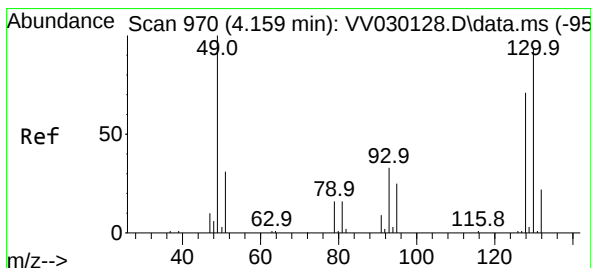
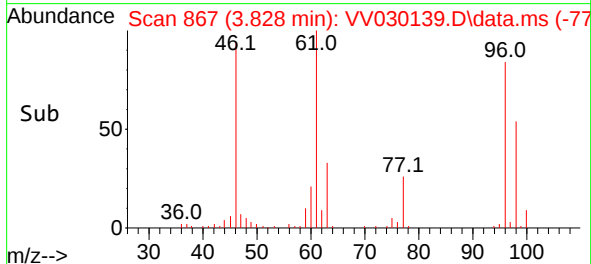
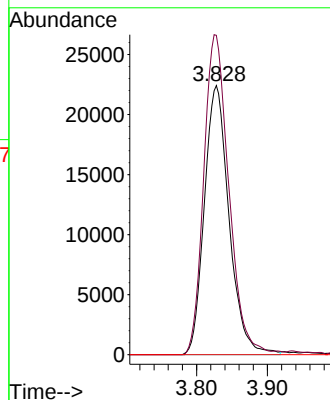
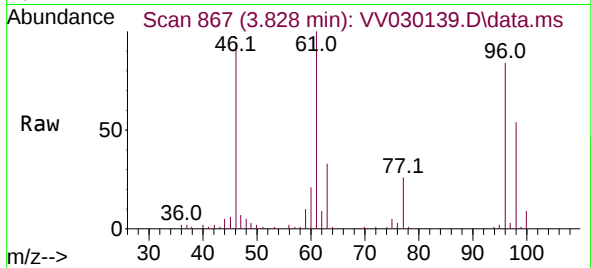




#22
 cis-1,2-Dichloroethene
 Concen: 5.344 ug/L
 RT: 3.828 min Scan# 866
 Delta R.T. 0.003 min
 Lab File: VV030139.D
 Acq: 03 Mar 2023 14:46

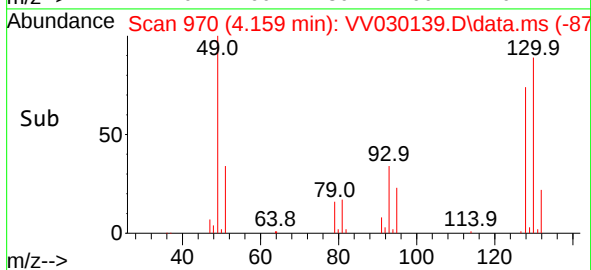
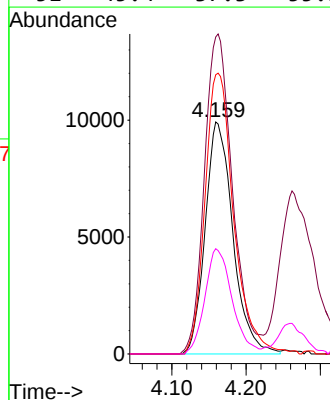
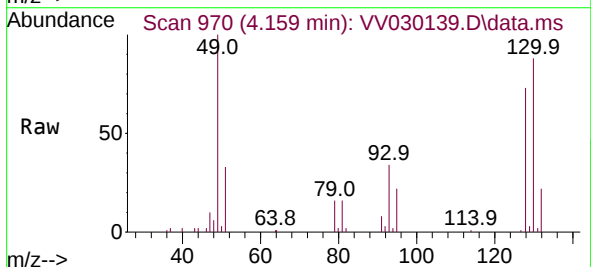
Instrument :
 MSVOA_V
 ClientSampleId :
 DBYL5MSD

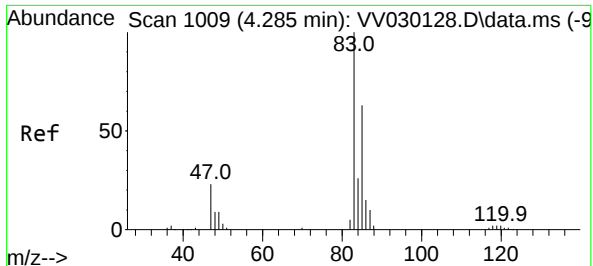
Tgt Ion: 96 Resp: 54337
 Ion Ratio Lower Upper
 96 100
 61 118.7 83.4 154.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.924 ug/L
 RT: 4.159 min Scan# 970
 Delta R.T. -0.000 min
 Lab File: VV030139.D
 Acq: 03 Mar 2023 14:46

Tgt Ion: 128 Resp: 25739
 Ion Ratio Lower Upper
 128 100
 49 136.7 99.5 184.9
 130 120.4 90.5 168.1
 51 45.4 37.3 55.9





#25

Chloroform

Concen: 5.822 ug/L

RT: 4.288 min Scan# 1009

Delta R.T. 0.003 min

Lab File: VV030139.D

Acq: 03 Mar 2023 14:46

Instrument :

MSVOA_V

ClientSampleId :

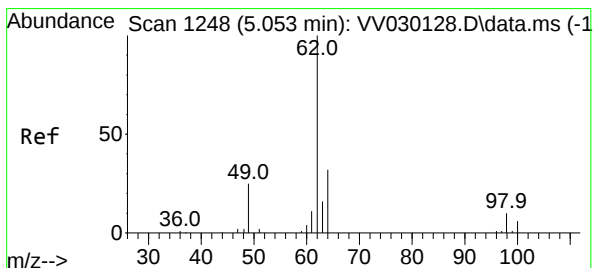
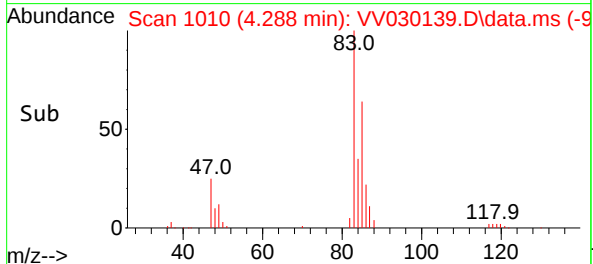
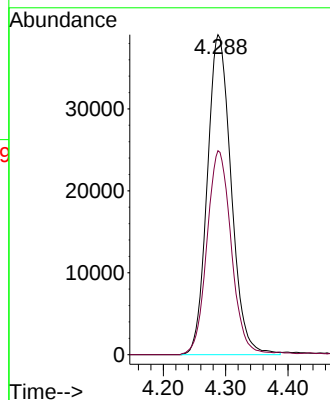
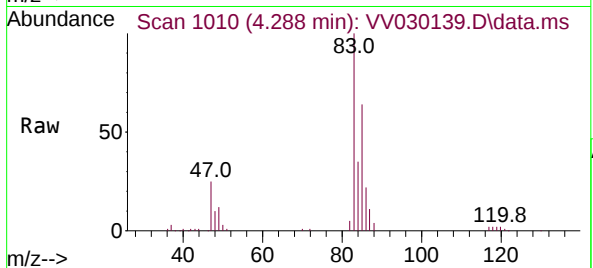
DBYL5MSD

Tgt Ion: 83 Resp: 103787

Ion Ratio Lower Upper

83 100

85 63.8 46.5 86.5



#27

1,2-Dichloroethane

Concen: 5.734 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. -0.000 min

Lab File: VV030139.D

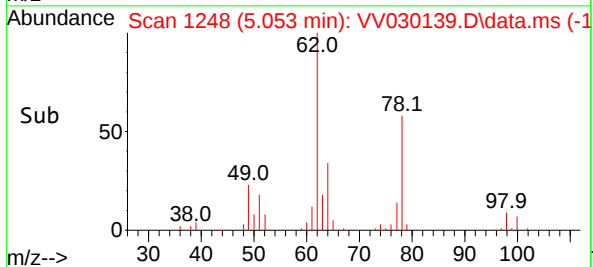
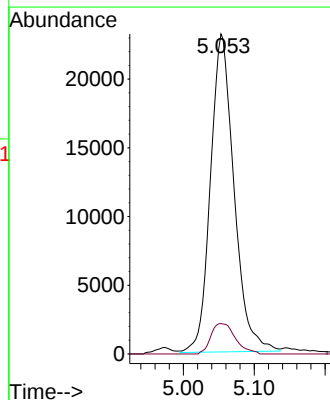
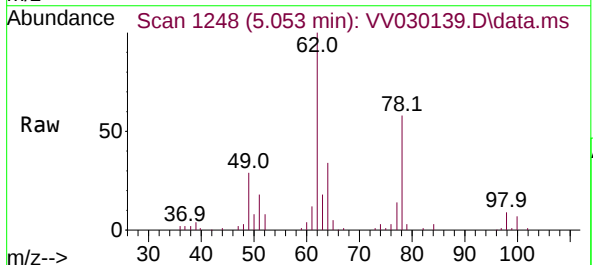
Acq: 03 Mar 2023 14:46

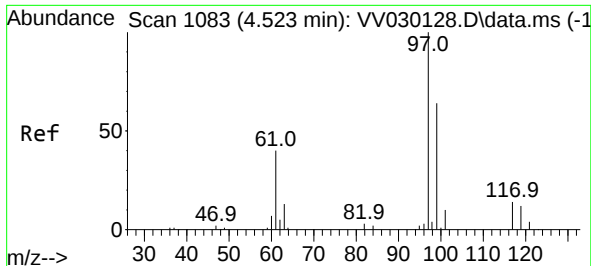
Tgt Ion: 62 Resp: 53464

Ion Ratio Lower Upper

62 100

98 9.5 9.0 13.4





#29

1,1,1-Trichloroethane

Concen: 5.573 ug/L

RT: 4.522 min Scan# 1083

Delta R.T. -0.000 min

Lab File: VV030139.D

Acq: 03 Mar 2023 14:46

Instrument :

MSVOA_V

ClientSampleId :

DBYL5MSD

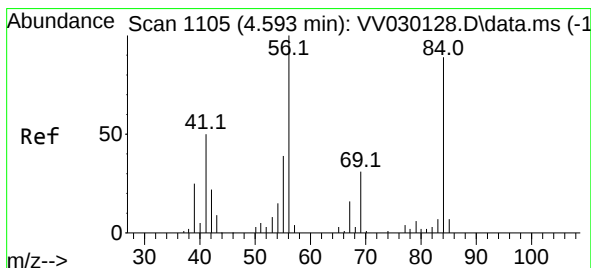
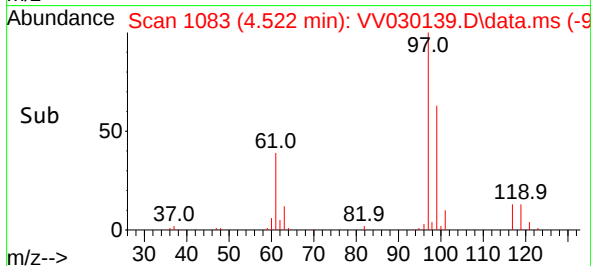
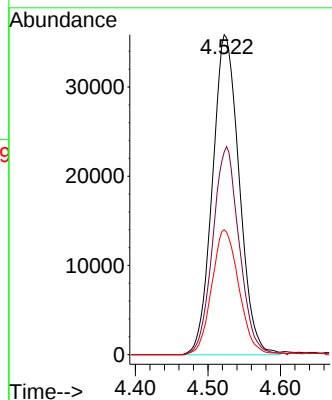
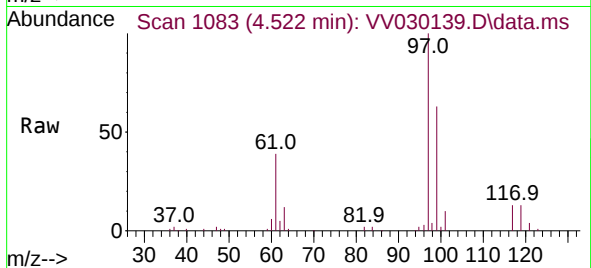
Tgt Ion: 97 Resp: 92017

Ion Ratio Lower Upper

97 100

99 64.4 51.3 76.9

61 39.5 31.5 47.3



#30

Cyclohexane

Concen: 4.889 ug/L

RT: 4.596 min Scan# 1106

Delta R.T. 0.003 min

Lab File: VV030139.D

Acq: 03 Mar 2023 14:46

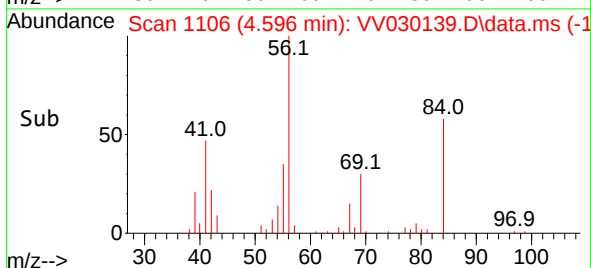
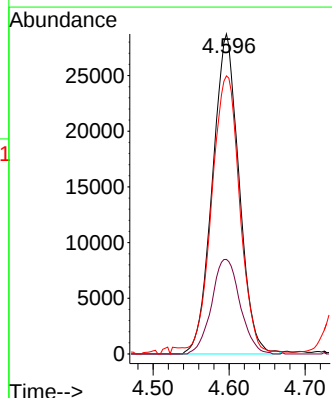
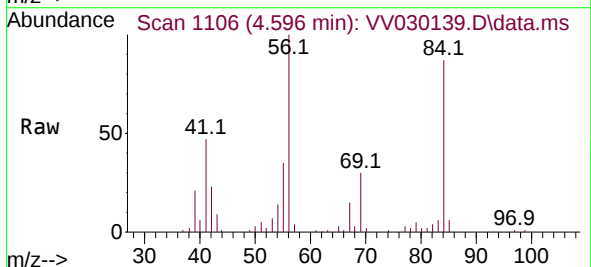
Tgt Ion: 56 Resp: 69754

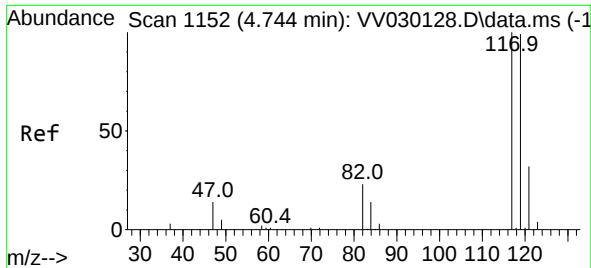
Ion Ratio Lower Upper

56 100

69 31.6 25.1 37.7

84 89.1 74.6 111.8

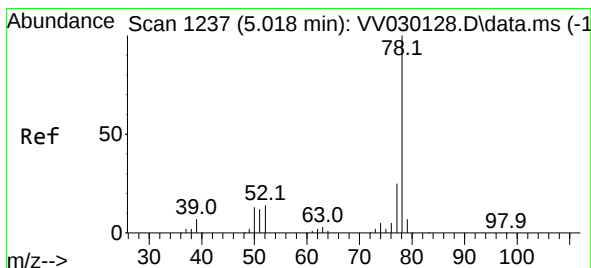
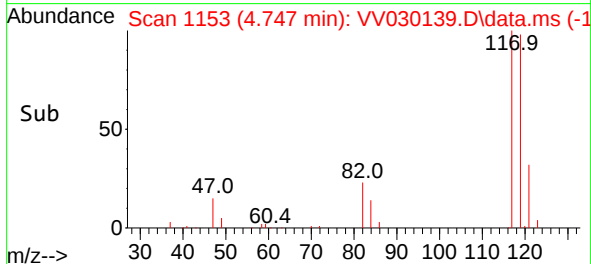
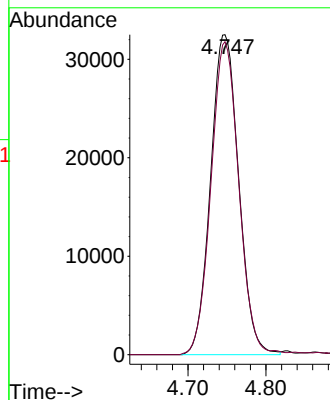
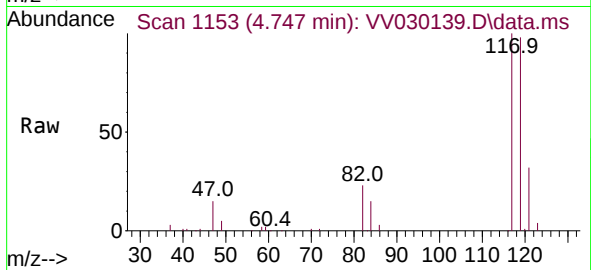




#31
Carbon tetrachloride
Concen: 5.484 ug/L
RT: 4.747 min Scan# 1152
Delta R.T. 0.003 min
Lab File: VV030139.D
Acq: 03 Mar 2023 14:46

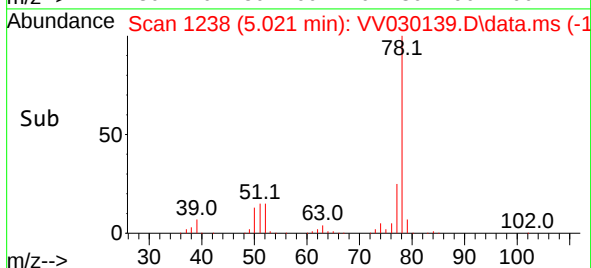
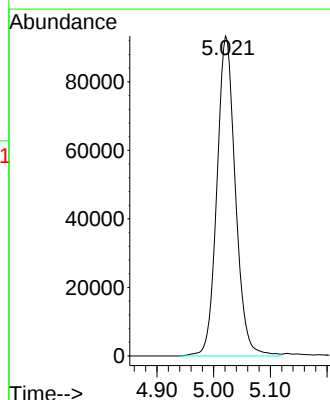
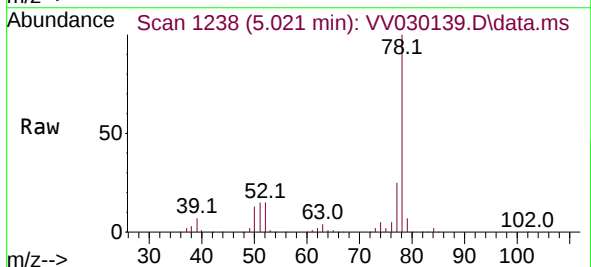
Instrument :
MSVOA_V
ClientSampleId :
DBYL5MSD

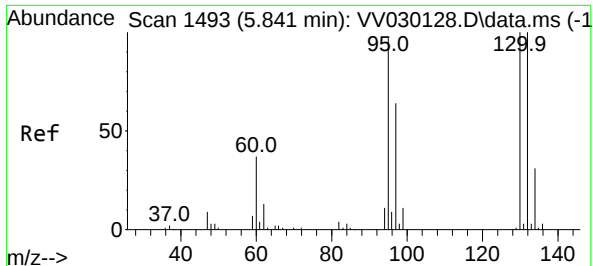
Tgt Ion:117 Resp: 81385
Ion Ratio Lower Upper
117 100
119 96.8 76.1 114.1



#33
Benzene
Concen: 5.515 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV030139.D
Acq: 03 Mar 2023 14:46

Tgt Ion: 78 Resp: 211719





#34

Trichloroethene

Concen: 5.055 ug/L

RT: 5.844 min Scan# 1493

Delta R.T. 0.003 min

Lab File: VV030139.D

Acq: 03 Mar 2023 14:46

Instrument :

MSVOA_V

ClientSampleId :

DBYL5MSD

Tgt Ion: 95 Resp: 54370

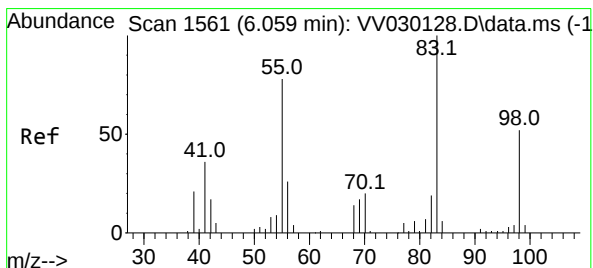
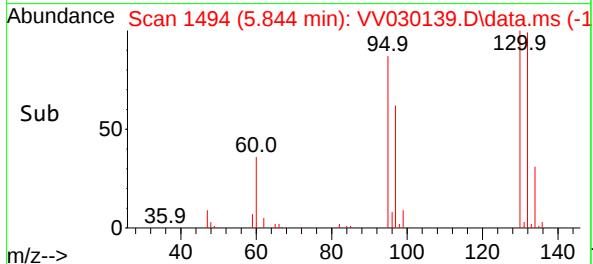
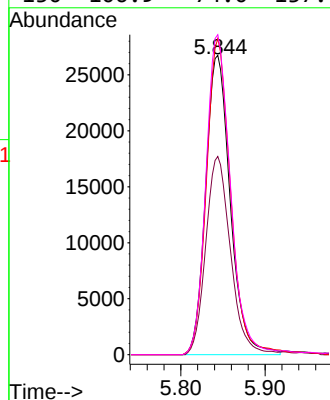
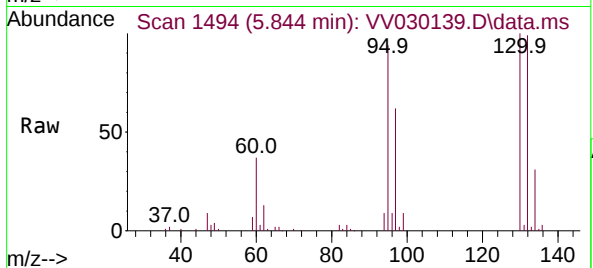
Ion Ratio Lower Upper

95 100

97 66.3 46.5 86.5

132 105.6 71.7 133.3

130 106.9 74.0 137.4



#35

Methylcyclohexane

Concen: 4.698 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. 0.003 min

Lab File: VV030139.D

Acq: 03 Mar 2023 14:46

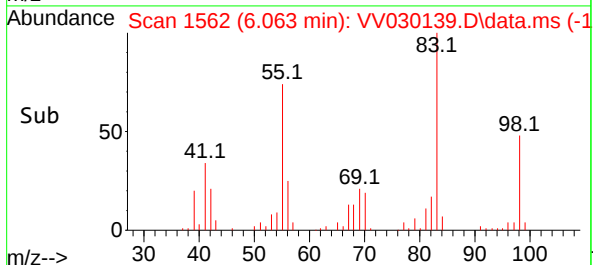
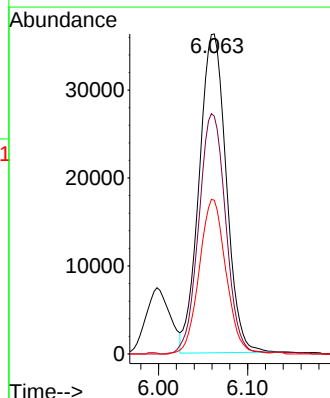
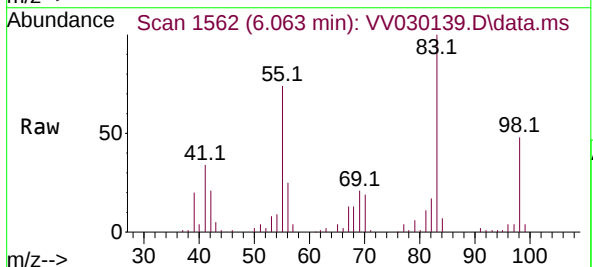
Tgt Ion: 83 Resp: 76487

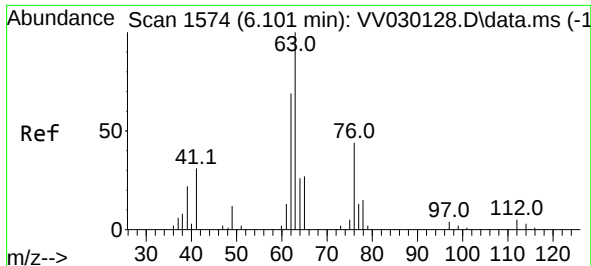
Ion Ratio Lower Upper

83 100

55 75.2 57.6 86.4

98 47.9 38.8 58.2





#37

1,2-Dichloropropane

Concen: 5.683 ug/L

RT: 6.104 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030139.D

Acq: 03 Mar 2023 14:46

Instrument :

MSVOA_V

ClientSampleId :

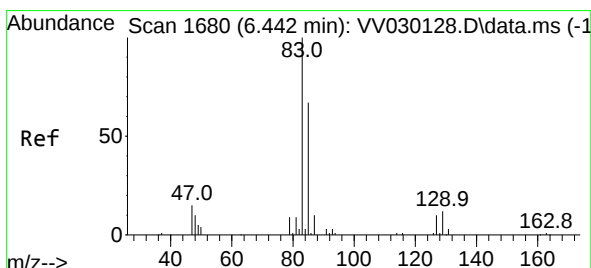
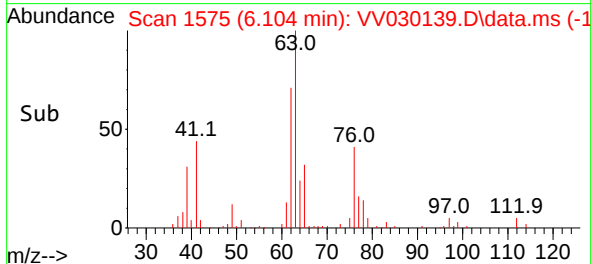
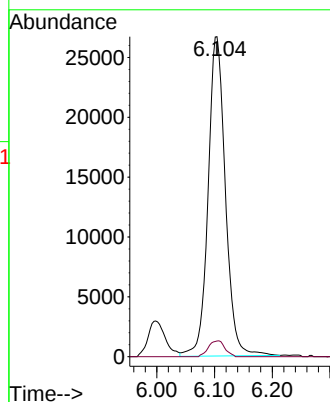
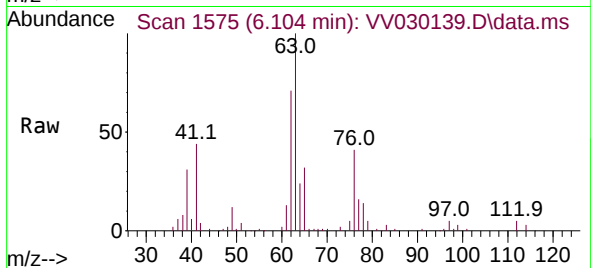
DBYL5MSD

Tgt Ion: 63 Resp: 55496

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



#38

Bromodichloromethane

Concen: 5.646 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. -0.000 min

Lab File: VV030139.D

Acq: 03 Mar 2023 14:46

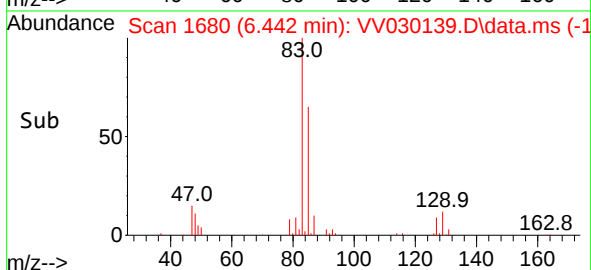
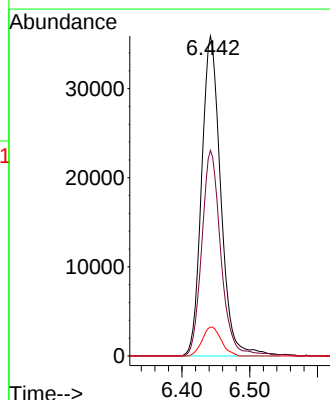
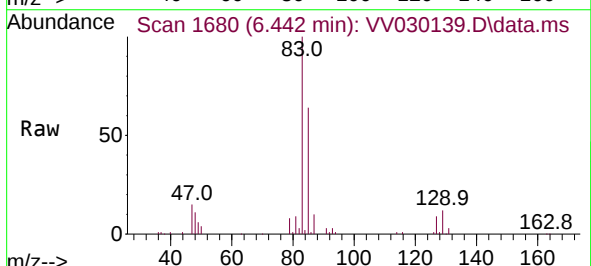
Tgt Ion: 83 Resp: 70385

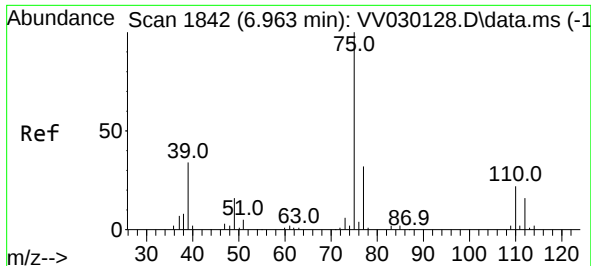
Ion Ratio Lower Upper

83 100

85 64.3 44.3 82.3

127 9.0 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.905 ug/L

RT: 6.963 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV030139.D

Acq: 03 Mar 2023 14:46

Instrument :

MSVOA_V

ClientSampleId :

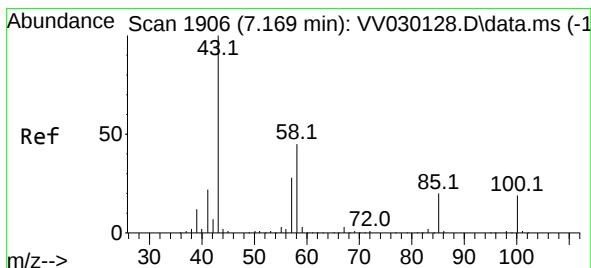
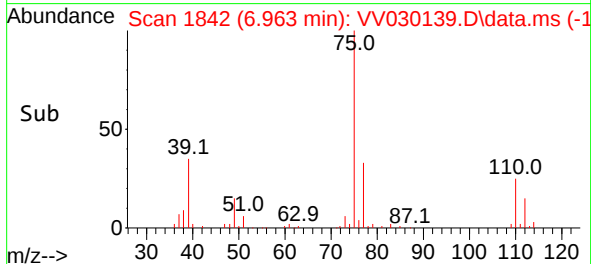
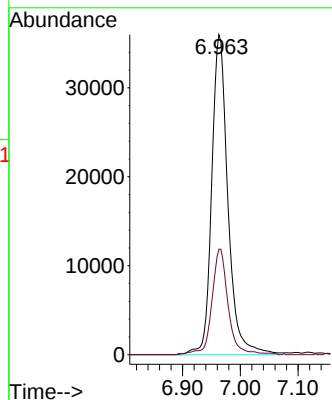
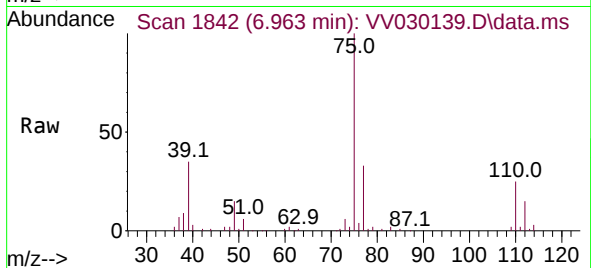
DBYL5MSD

Tgt Ion: 75 Resp: 70122

Ion Ratio Lower Upper

75 100

77 33.0 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 54.748 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VV030139.D

Acq: 03 Mar 2023 14:46

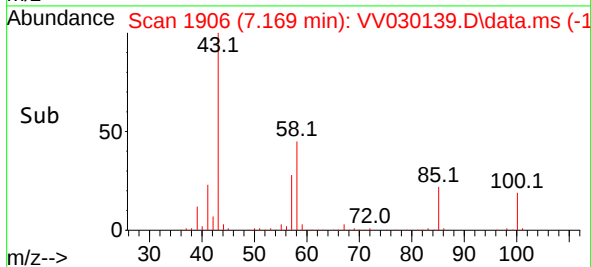
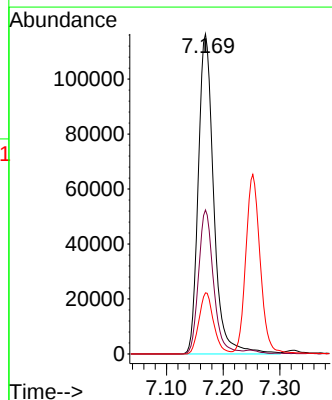
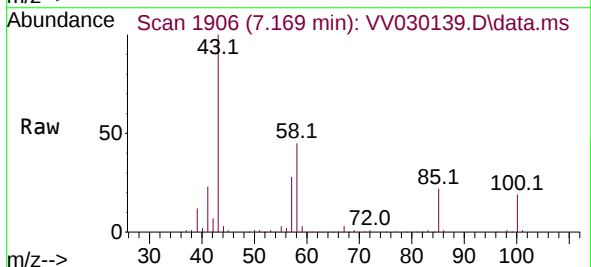
Tgt Ion: 43 Resp: 220627

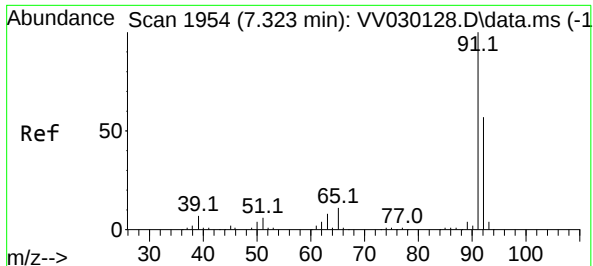
Ion Ratio Lower Upper

43 100

58 43.8 35.3 52.9

100 18.1 14.7 22.1





#42

Toluene

Concen: 5.530 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. -0.000 min

Lab File: VV030139.D

Acq: 03 Mar 2023 14:46

Instrument :

MSVOA_V

ClientSampleId :

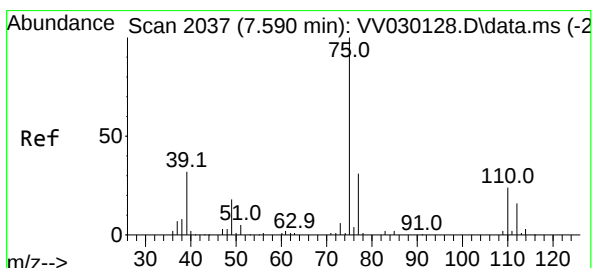
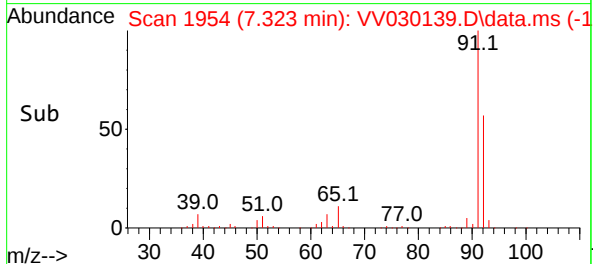
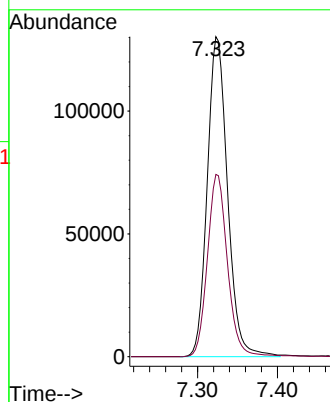
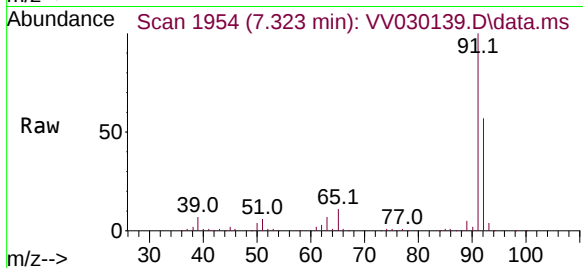
DBYL5MSD

Tgt Ion: 91 Resp: 229914

Ion Ratio Lower Upper

91 100

92 56.9 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 5.122 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. -0.000 min

Lab File: VV030139.D

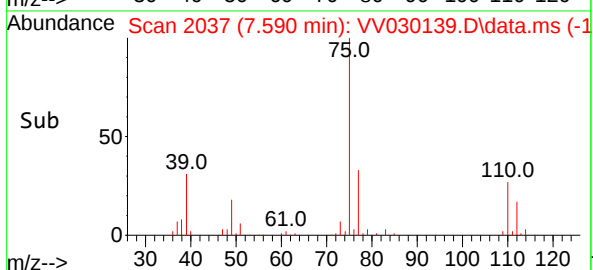
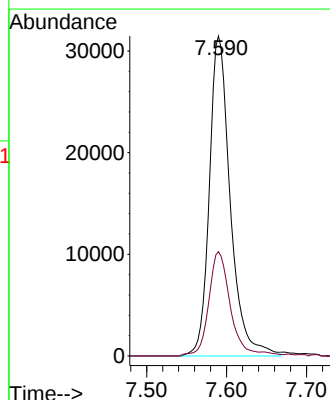
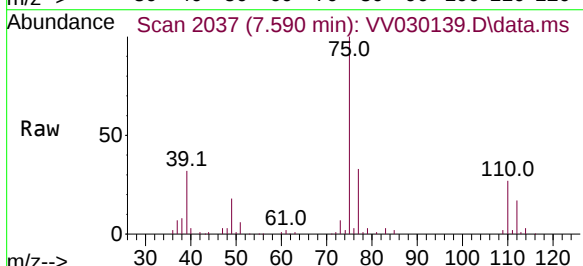
Acq: 03 Mar 2023 14:46

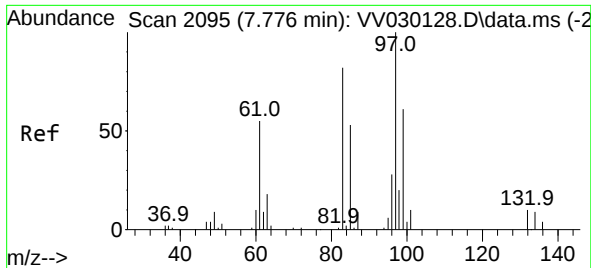
Tgt Ion: 75 Resp: 57165

Ion Ratio Lower Upper

75 100

77 32.6 22.1 41.1

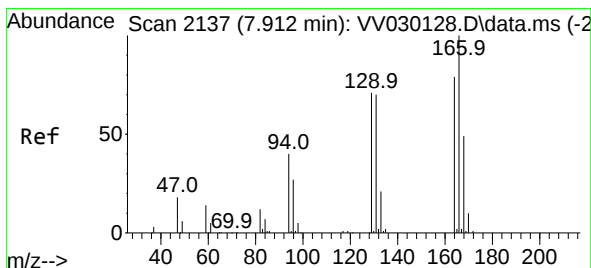
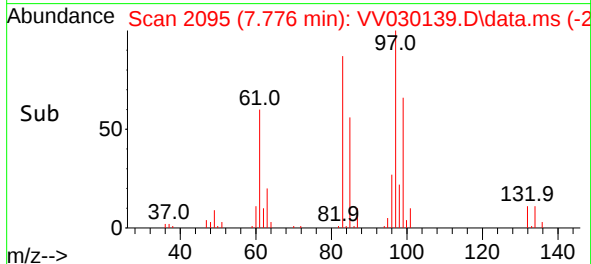
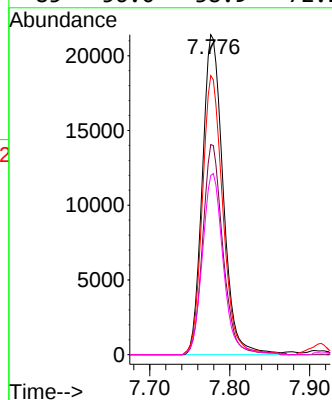
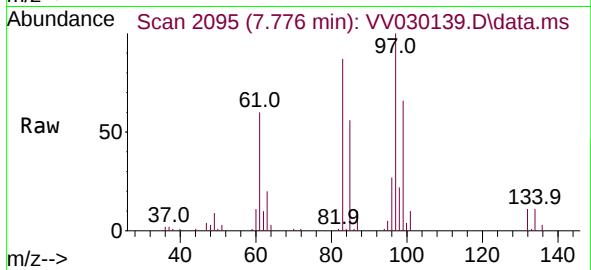




#45
1,1,2-Trichloroethane
Concen: 5.552 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. -0.000 min
Lab File: VV030139.D
Acq: 03 Mar 2023 14:46

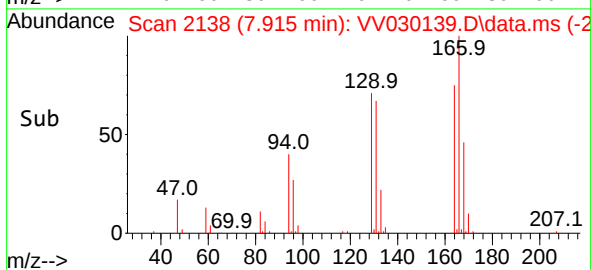
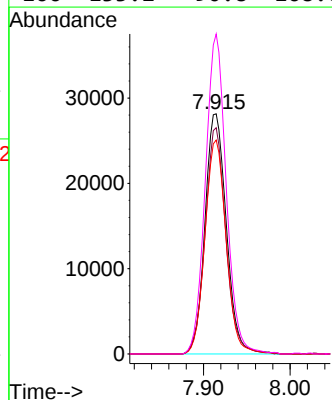
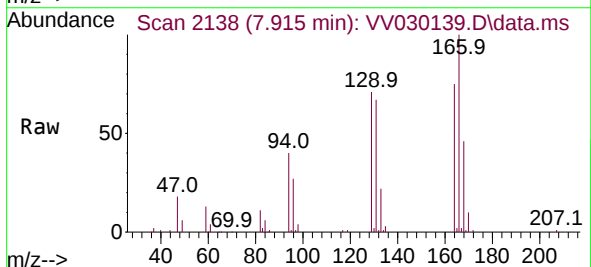
Instrument :
MSVOA_V
ClientSampleId :
DBYL5MSD

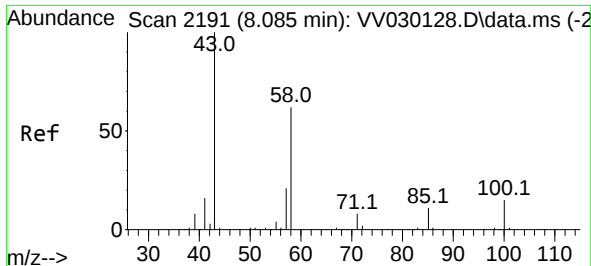
Tgt Ion:	97	Resp:	38800
Ion	Ratio	Lower	Upper
97	100		
99	65.7	42.6	79.2
83	87.2	57.7	107.3
85	56.0	38.9	72.2



#47
Tetrachloroethene
Concen: 5.229 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030139.D
Acq: 03 Mar 2023 14:46

Tgt Ion:	164	Resp:	48275
Ion	Ratio	Lower	Upper
164	100		
129	94.2	63.6	118.2
131	89.1	61.7	114.7
166	133.2	90.8	168.6



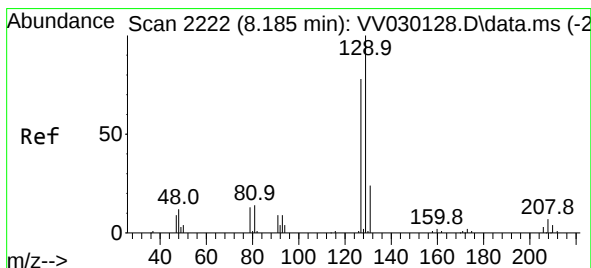
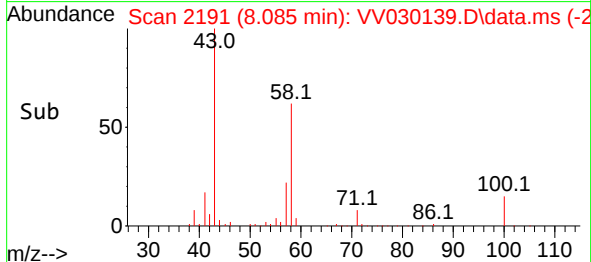
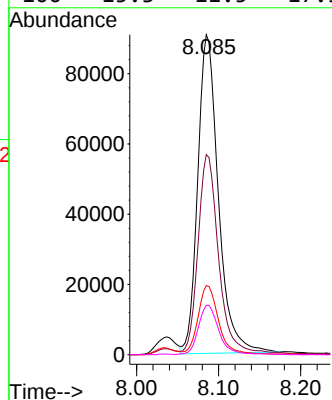
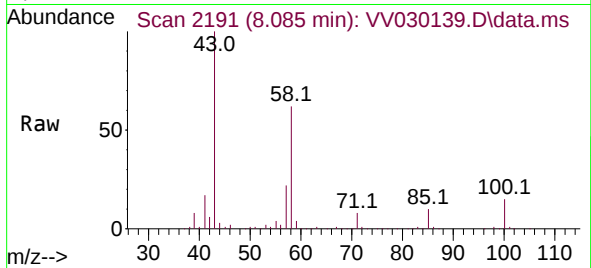


#48
2-Hexanone
Concen: 54.961 ug/L
RT: 8.085 min Scan# 2191
Delta R.T. -0.000 min
Lab File: VV030139.D
Acq: 03 Mar 2023 14:46

Instrument :
MSVOA_V
ClientSampleId :
DBYL5MSD

Tgt Ion: 43 Resp: 158563

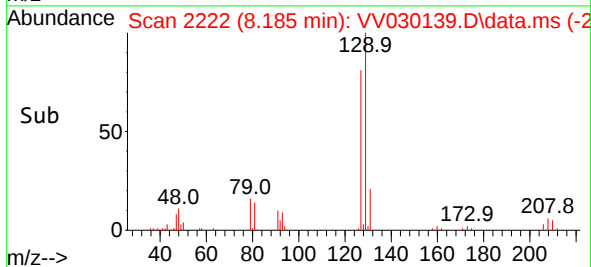
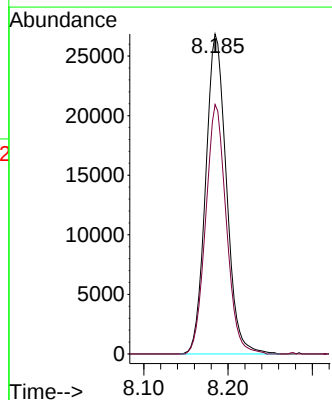
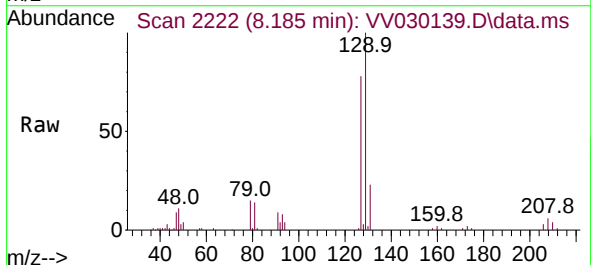
Ion	Ratio	Lower	Upper
43	100		
58	62.7	49.8	74.8
57	21.3	16.6	24.8
100	15.3	11.5	17.3

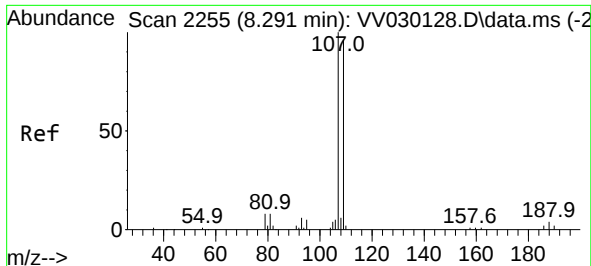


#49
Dibromochloromethane
Concen: 5.629 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. -0.000 min
Lab File: VV030139.D
Acq: 03 Mar 2023 14:46

Tgt Ion: 129 Resp: 46032

Ion	Ratio	Lower	Upper
129	100		
127	77.9	54.7	101.5





#50

1,2-Dibromoethane

Concen: 5.561 ug/L

RT: 8.291 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV030139.D

Acq: 03 Mar 2023 14:46

Instrument :

MSVOA_V

ClientSampleId :

DBYL5MSD

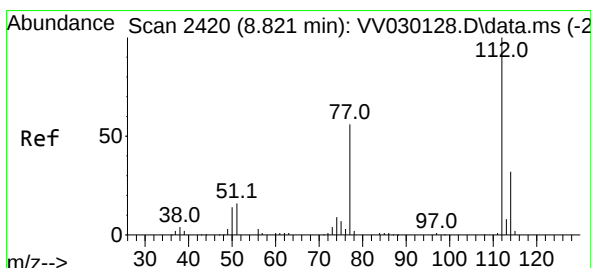
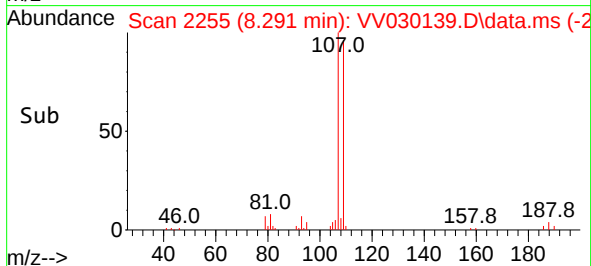
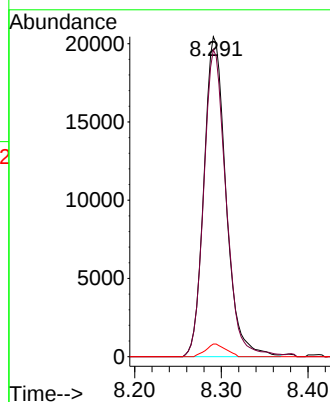
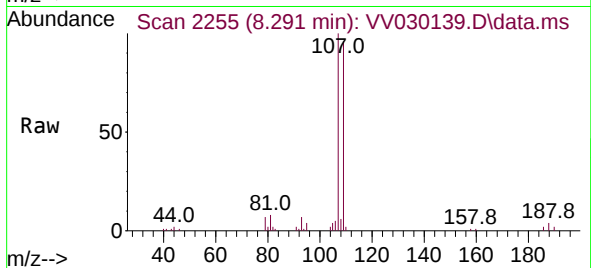
Tgt Ion:107 Resp: 36257

Ion Ratio Lower Upper

107 100

109 95.9 63.3 117.7

188 3.9 3.0 4.6



#51

Chlorobenzene

Concen: 5.379 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV030139.D

Acq: 03 Mar 2023 14:46

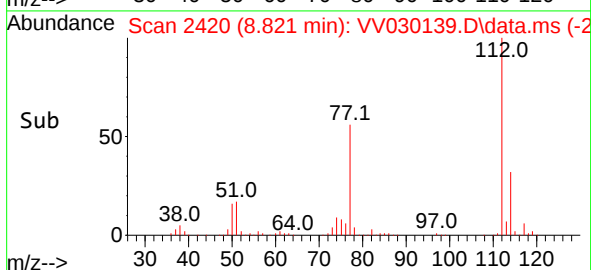
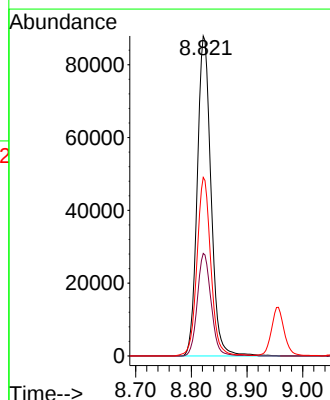
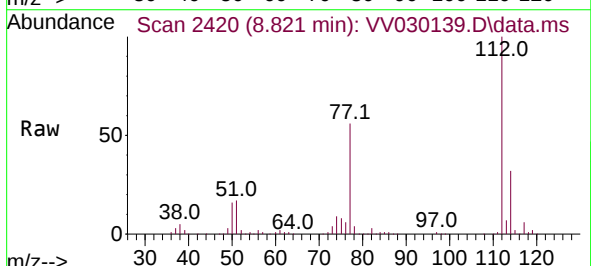
Tgt Ion:112 Resp: 150831

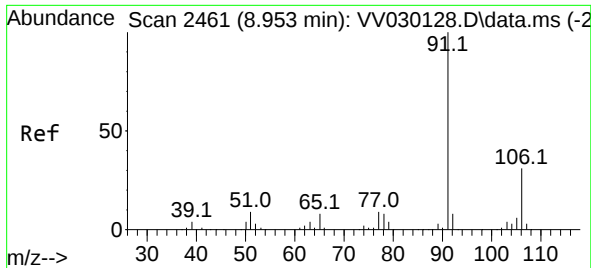
Ion Ratio Lower Upper

112 100

114 32.0 22.5 41.7

77 55.8 45.3 67.9

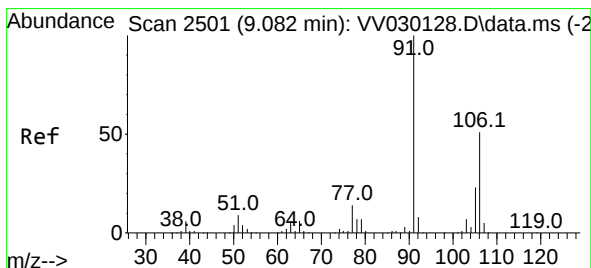
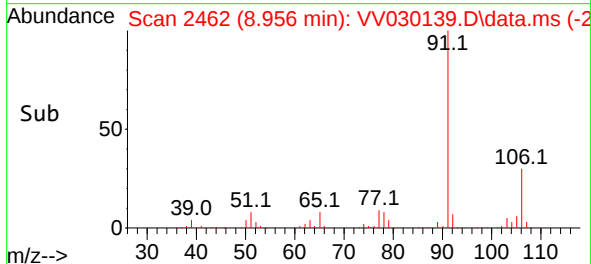
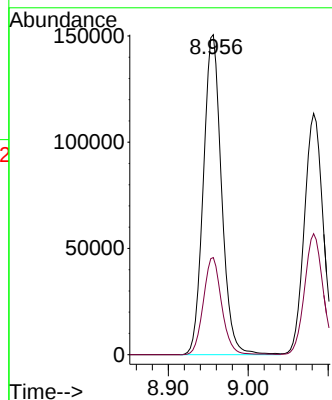
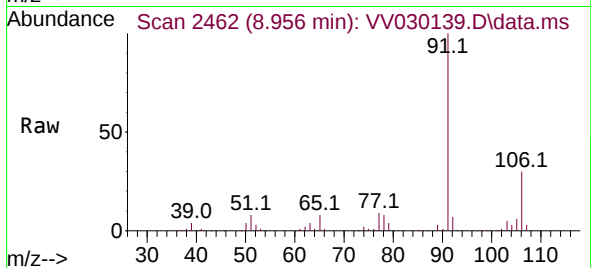




#52
Ethylbenzene
Concen: 5.266 ug/L
RT: 8.956 min Scan# 2461
Delta R.T. 0.003 min
Lab File: VV030139.D
Acq: 03 Mar 2023 14:46

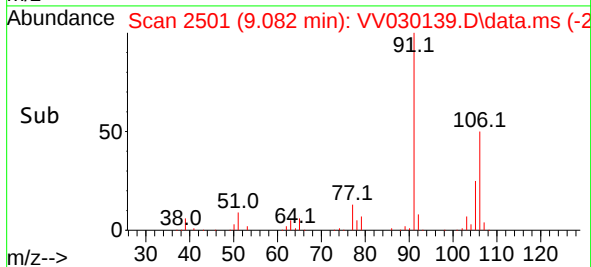
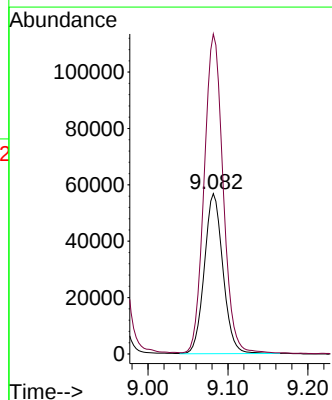
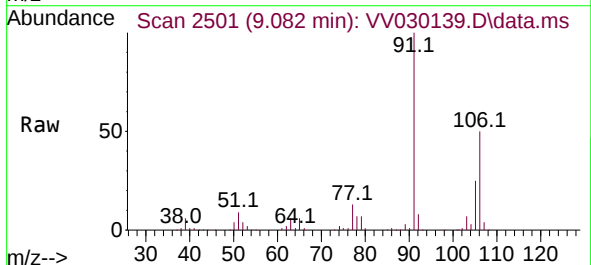
Instrument :
MSVOA_V
ClientSampleId :
DBYL5MSD

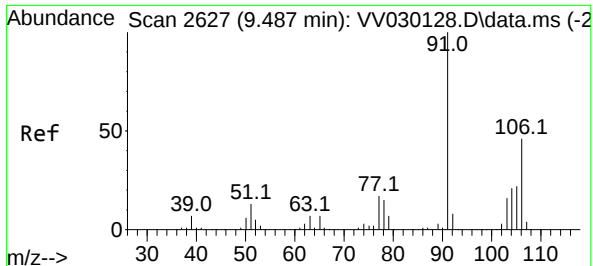
Tgt Ion: 91 Resp: 238274
Ion Ratio Lower Upper
91 100
106 30.4 22.0 40.8



#53
m,p-Xylene
Concen: 5.284 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. -0.000 min
Lab File: VV030139.D
Acq: 03 Mar 2023 14:46

Tgt Ion:106 Resp: 91895
Ion Ratio Lower Upper
106 100
91 199.5 142.5 264.7

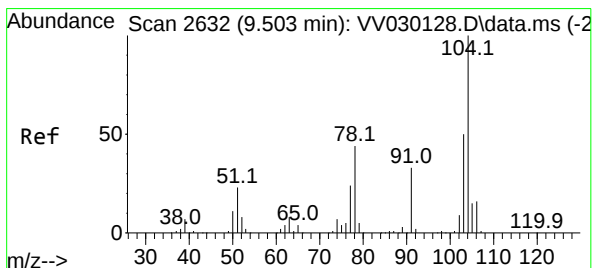
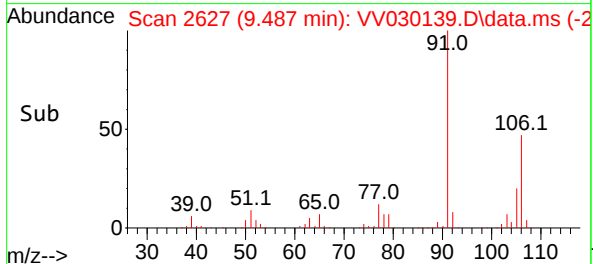
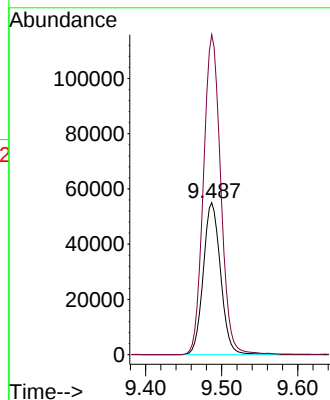
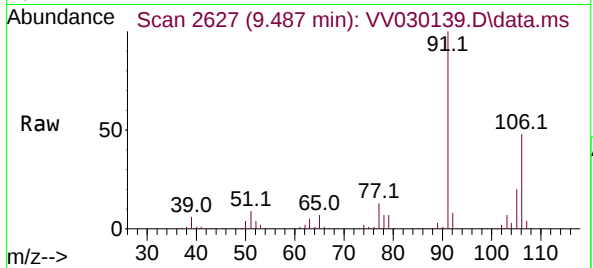




#54
o-Xylene
Concen: 5.238 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030139.D
Acq: 03 Mar 2023 14:46

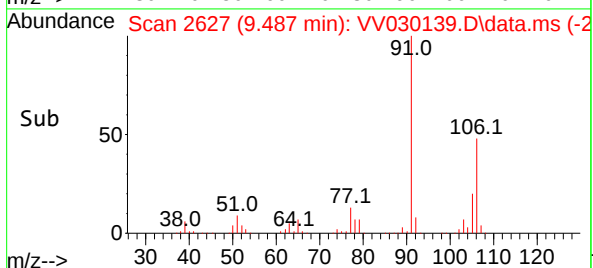
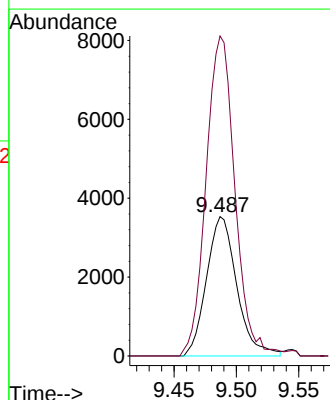
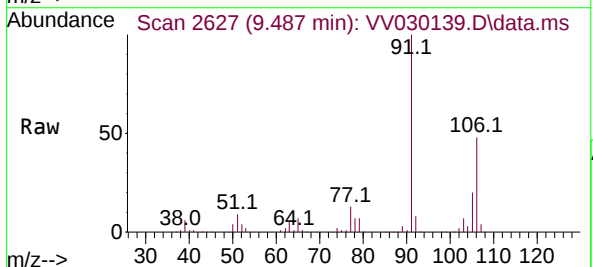
Instrument :
MSVOA_V
ClientSampleId :
DBYL5MSD

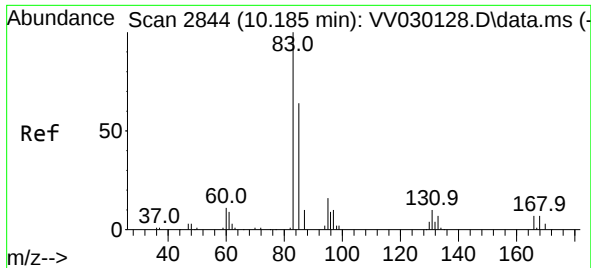
Tgt Ion:106 Resp: 87014
Ion Ratio Lower Upper
106 100
91 210.5 148.8 276.4



#55
Styrene
Concen: 0.216 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.016 min
Lab File: VV030139.D
Acq: 03 Mar 2023 14:46

Tgt Ion:104 Resp: 5975
Ion Ratio Lower Upper
104 100
78 229.6 31.1 57.9#

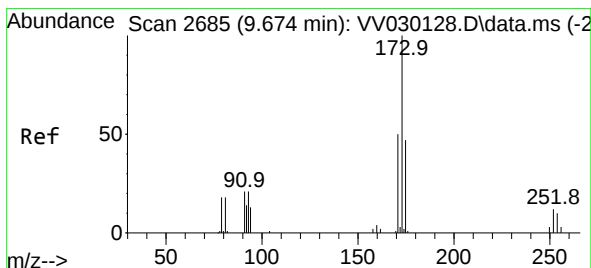
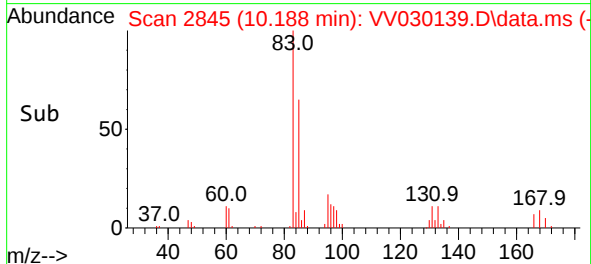
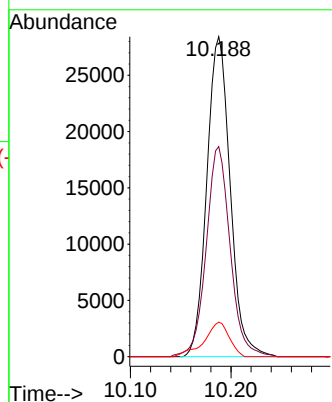
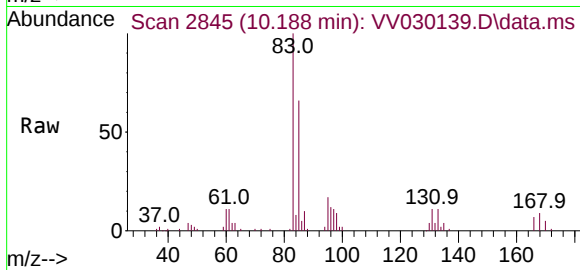




#57
1,1,2,2-Tetrachloroethane
Concen: 5.874 ug/L
RT: 10.188 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VV030139.D
Acq: 03 Mar 2023 14:46

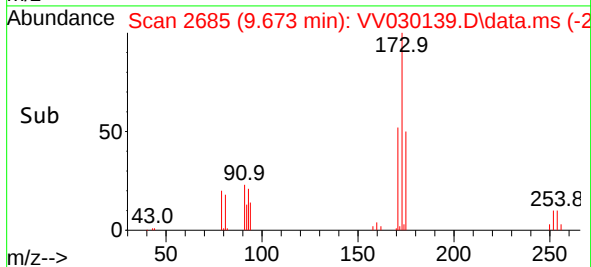
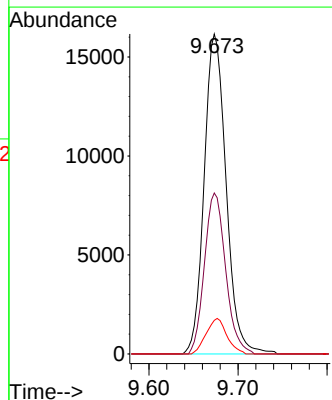
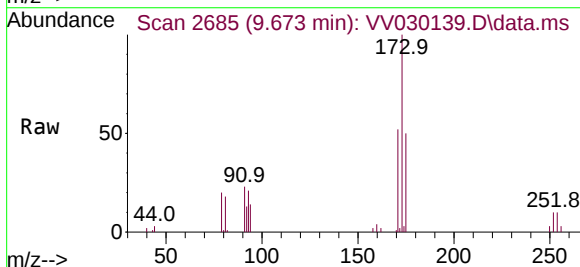
Instrument :
MSVOA_V
ClientSampleId :
DBYL5MSD

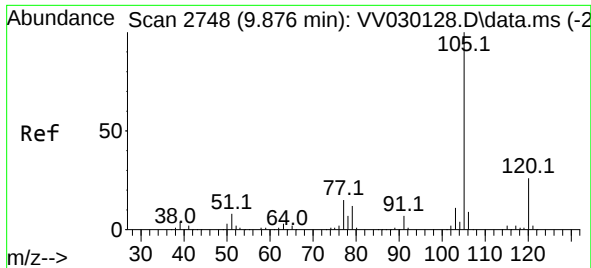
Tgt Ion:	83	Resp:	45911
Ion	Ratio	Lower	Upper
83	100		
85	65.6	45.0	83.6
131	10.8	8.2	12.4



#59
Bromoform
Concen: 5.402 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. -0.000 min
Lab File: VV030139.D
Acq: 03 Mar 2023 14:46

Tgt Ion:	173	Resp:	27610
Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.5	57.7
254	10.5	8.6	13.0

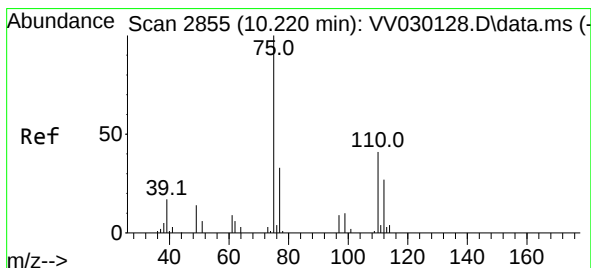
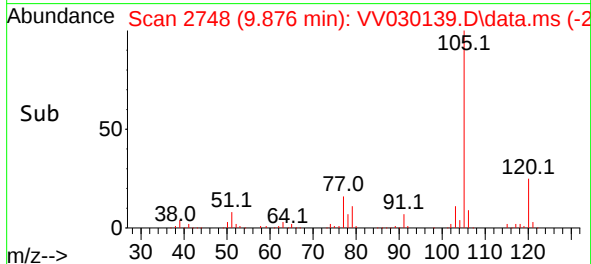
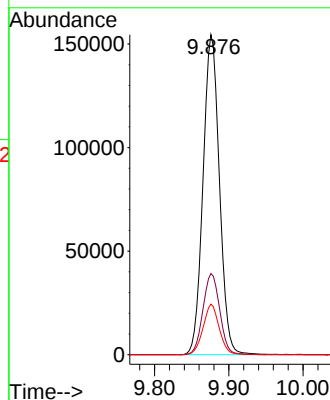
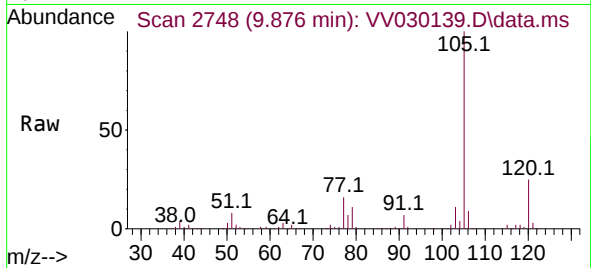




#60
Isopropylbenzene
Concen: 4.822 ug/L
RT: 9.876 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030139.D
Acq: 03 Mar 2023 14:46

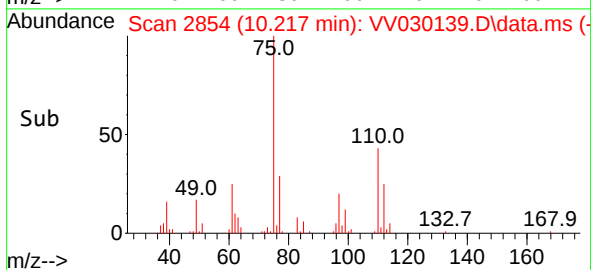
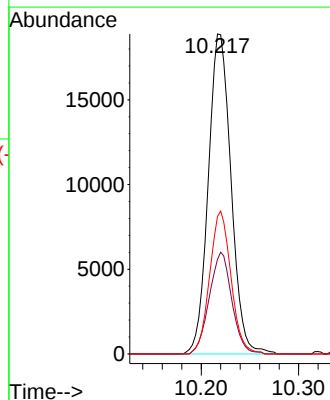
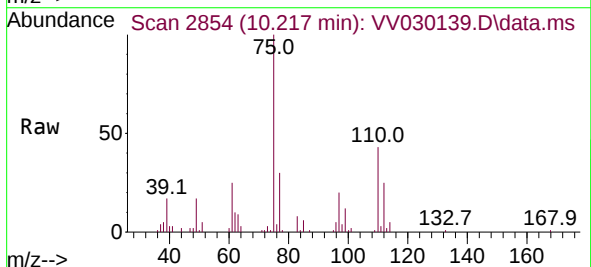
Instrument :
MSVOA_V
ClientSampleId :
DBYL5MSD

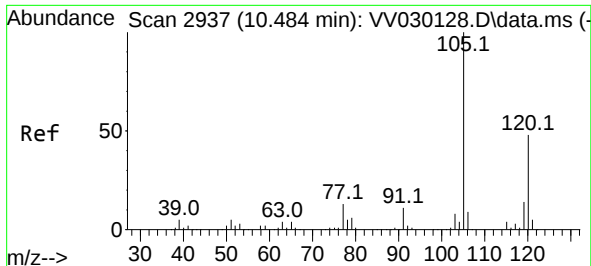
Tgt Ion:105 Resp: 236637
Ion Ratio Lower Upper
105 100
120 25.9 21.4 32.0
77 15.6 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 5.366 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.003 min
Lab File: VV030139.D
Acq: 03 Mar 2023 14:46

Tgt Ion: 75 Resp: 30628
Ion Ratio Lower Upper
75 100
77 31.4 26.5 39.7
110 41.8 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 4.654 ug/L

RT: 10.487 min Scan# 2937

Delta R.T. 0.003 min

Lab File: VV030139.D

Acq: 03 Mar 2023 14:46

Instrument :

MSVOA_V

ClientSampleId :

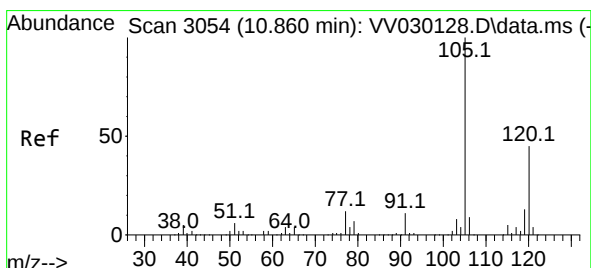
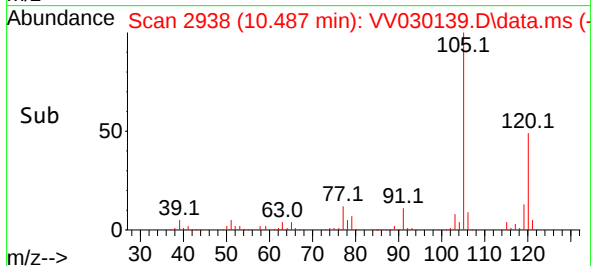
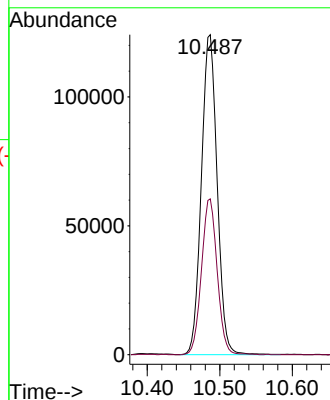
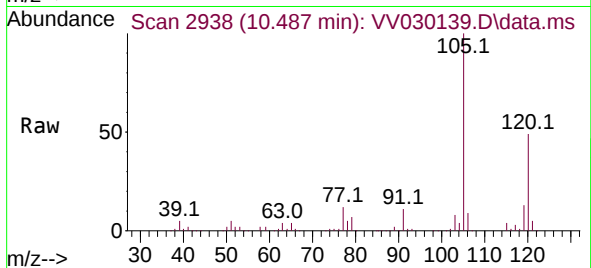
DBYL5MSD

Tgt Ion:105 Resp: 187595

Ion Ratio Lower Upper

105 100

120 48.4 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 4.798 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV030139.D

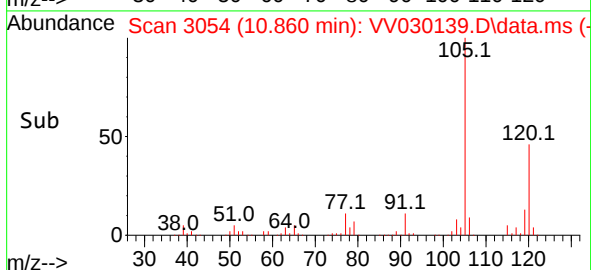
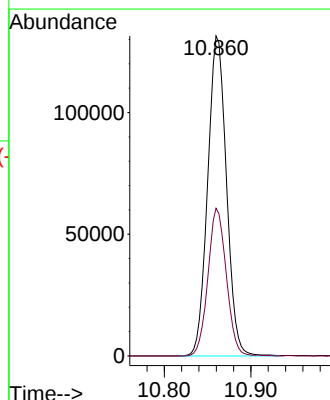
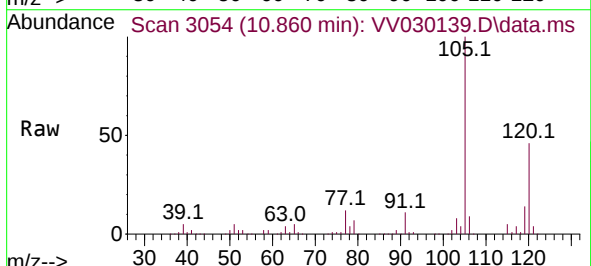
Acq: 03 Mar 2023 14:46

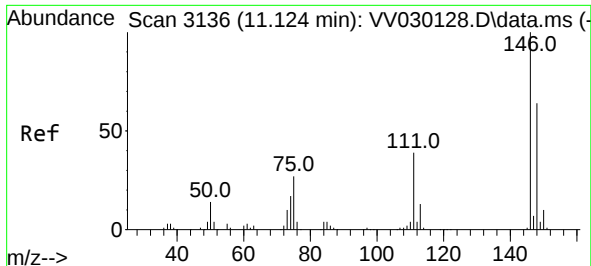
Tgt Ion:105 Resp: 197813

Ion Ratio Lower Upper

105 100

120 45.1 36.2 54.4

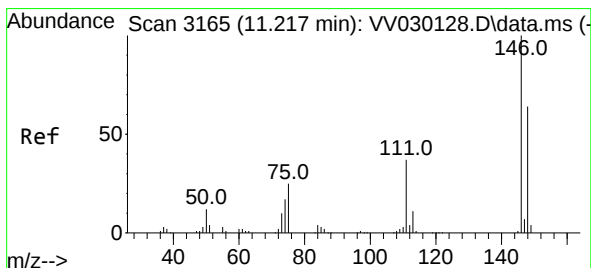
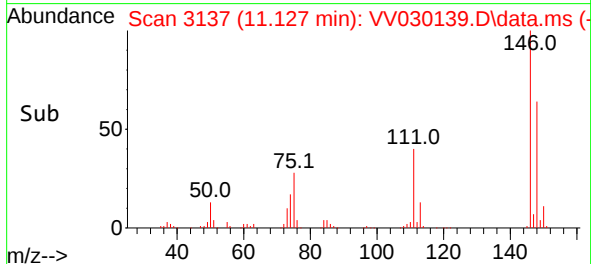
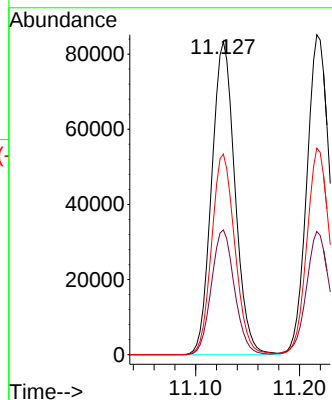
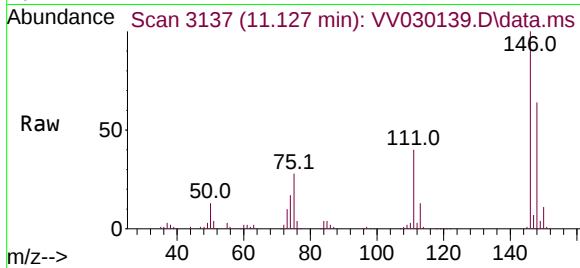




#64
1,3-Dichlorobenzene
Concen: 5.084 ug/L
RT: 11.127 min Scan# 3136
Delta R.T. 0.003 min
Lab File: VV030139.D
Acq: 03 Mar 2023 14:46

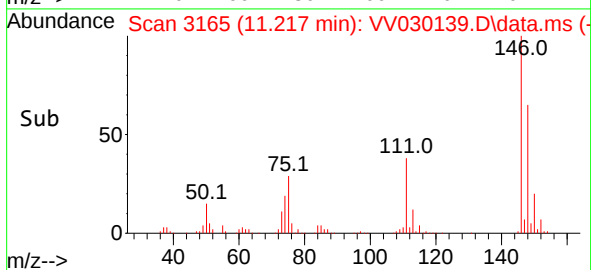
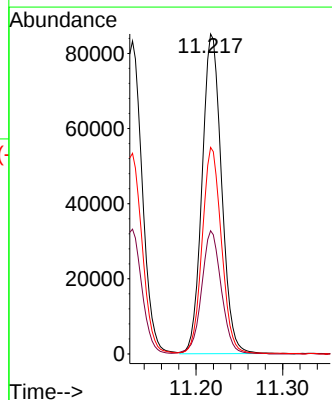
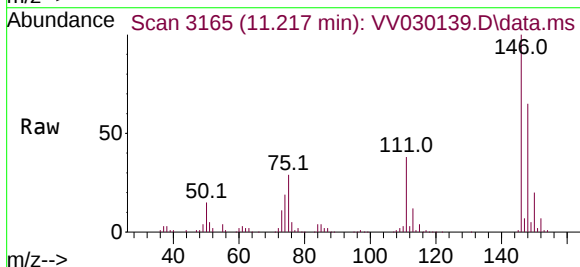
Instrument :
MSVOA_V
ClientSampleId :
DBYL5MSD

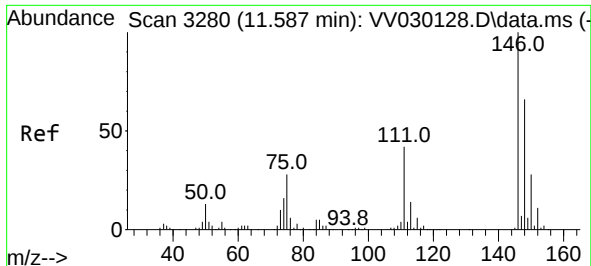
Tgt Ion:146 Resp: 129907
Ion Ratio Lower Upper
146 100
111 39.9 27.7 51.5
148 64.1 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 5.148 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030139.D
Acq: 03 Mar 2023 14:46

Tgt Ion:146 Resp: 132711
Ion Ratio Lower Upper
146 100
111 38.5 27.4 51.0
148 64.6 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 5.253 ug/L

RT: 11.590 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030139.D

Acq: 03 Mar 2023 14:46

Instrument :

MSVOA_V

ClientSampleId :

DBYL5MSD

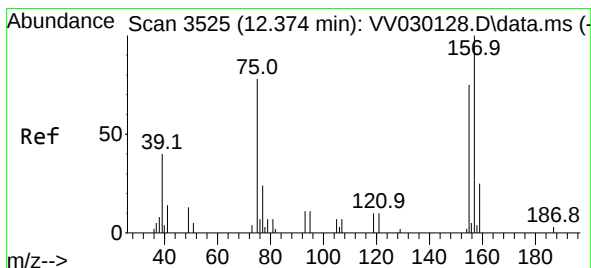
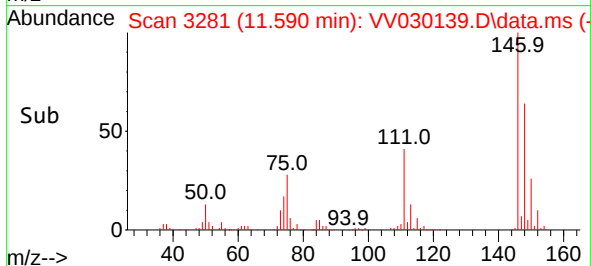
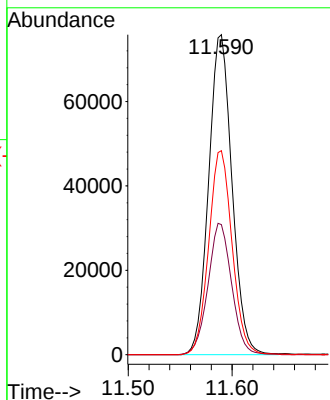
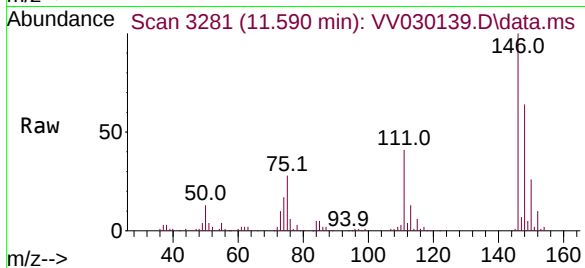
Tgt Ion:146 Resp: 118499

Ion Ratio Lower Upper

146 100

111 40.7 33.5 50.3

148 63.7 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.374 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. -0.000 min

Lab File: VV030139.D

Acq: 03 Mar 2023 14:46

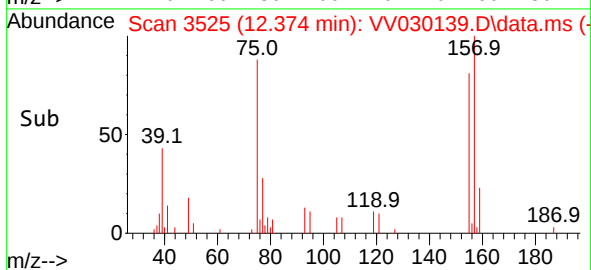
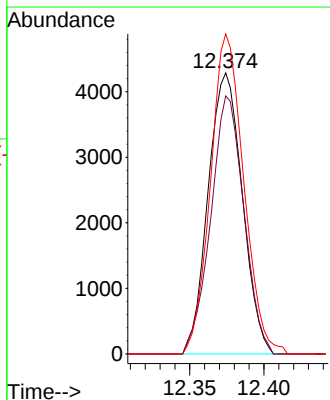
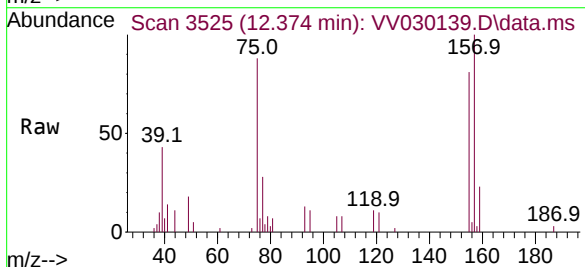
Tgt Ion: 75 Resp: 6850

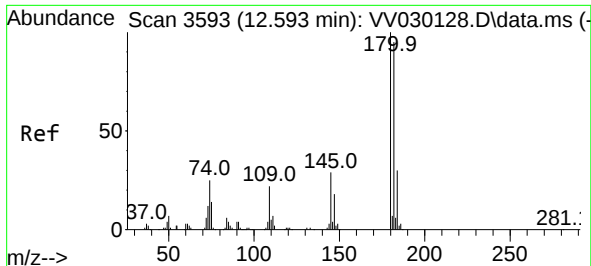
Ion Ratio Lower Upper

75 100

155 91.8 79.1 118.7

157 113.8 95.5 143.3





#69

1,3,5-Trichlorobenzene

Concen: 4.727 ug/L

RT: 12.593 min Scan# 3593

Delta R.T. -0.000 min

Lab File: VV030139.D

Acq: 03 Mar 2023 14:46

Instrument :

MSVOA_V

ClientSampleId :

DBYL5MSD

Tgt Ion:180 Resp: 99289

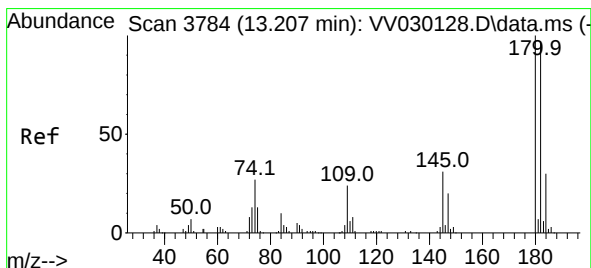
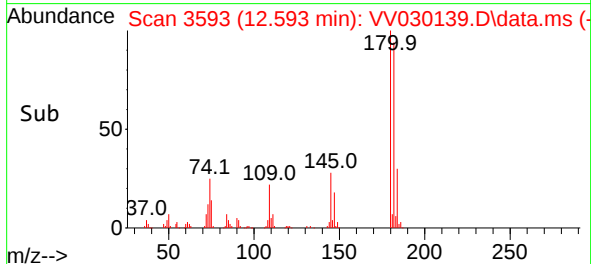
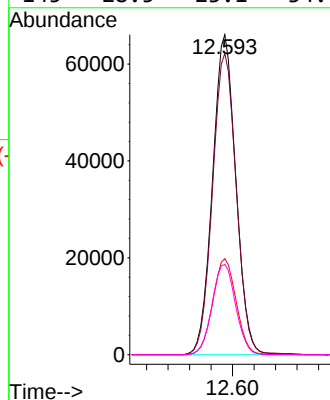
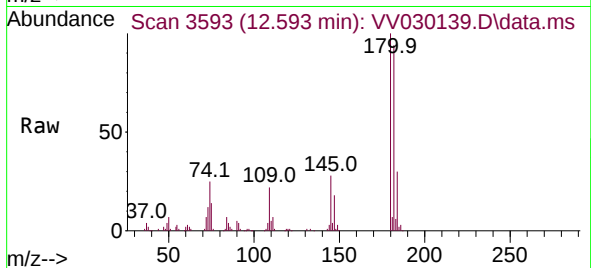
Ion Ratio Lower Upper

180 100

182 95.8 76.5 114.7

184 30.1 24.3 36.5

145 28.5 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 4.620 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. -0.000 min

Lab File: VV030139.D

Acq: 03 Mar 2023 14:46

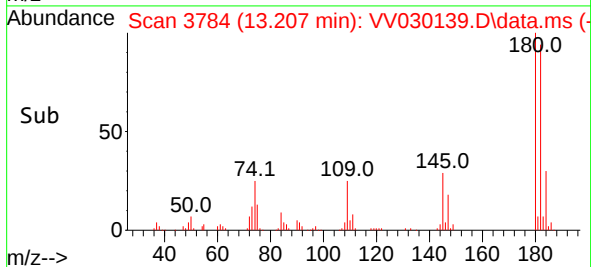
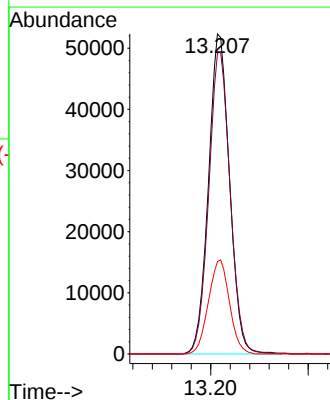
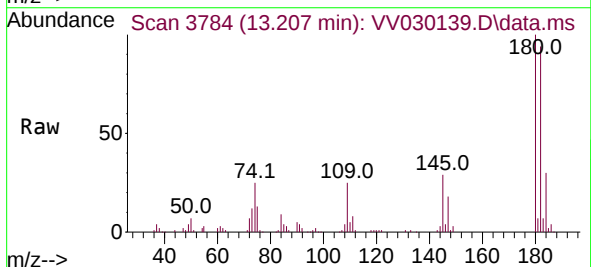
Tgt Ion:180 Resp: 78608

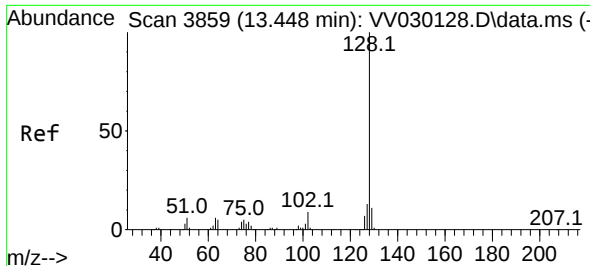
Ion Ratio Lower Upper

180 100

182 95.6 77.3 115.9

145 29.3 23.1 34.7

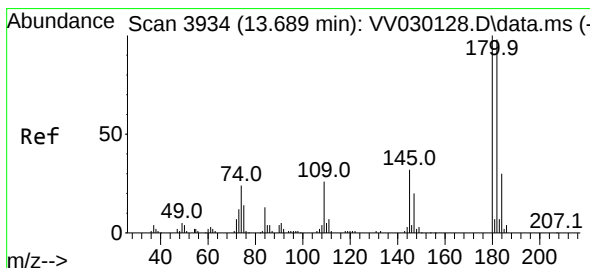
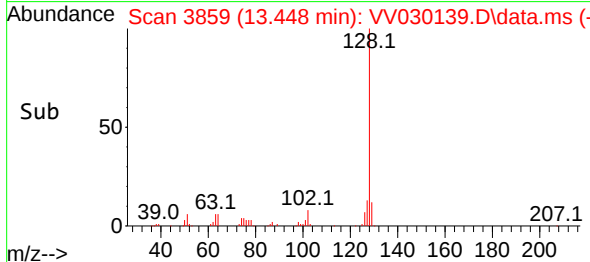
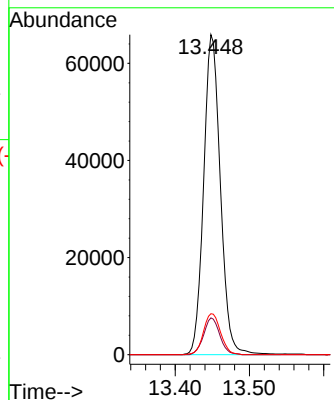
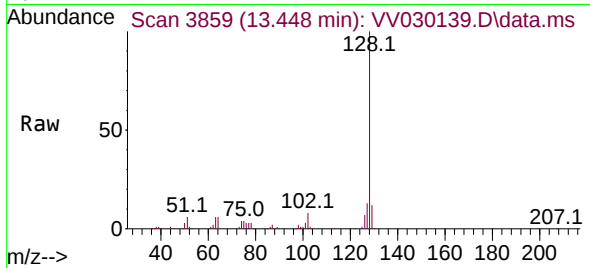




#71
Naphthalene
Concen: 4.636 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. -0.000 min
Lab File: VV030139.D
Acq: 03 Mar 2023 14:46

Instrument :
MSVOA_V
ClientSampleId :
DBYL5MSD

Tgt Ion:128 Resp: 103077
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 13.1 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 4.843 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. -0.000 min
Lab File: VV030139.D
Acq: 03 Mar 2023 14:46

Tgt Ion:180 Resp: 67836
Ion Ratio Lower Upper
180 100
182 97.1 76.2 114.2
145 31.8 25.1 37.7

