

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042823\
 Data File : VW030942.D
 Acq On : 28 Apr 2023 23:52
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005337

Quant Time: Apr 29 01:16:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 29 01:06:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	129071	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	129521	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	73133	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	46714	4.393	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.800%
7) Chloroethane-d5	1.539	69	40690	4.691	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.800%
11) 1,1-Dichloroethene-d2	2.063	65	24282	4.315	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.200%
20) 2-Butanone-d5	3.815	46	96004	50.910	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.820%
24) Chloroform-d	4.259	84	101305	4.794	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.800%
26) 1,2-Dichloroethane-d4	4.950	65	53034	4.936	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.800%
32) Benzene-d6	4.969	84	177371	4.672	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
36) 1,2-Dichloropropane-d6	5.998	67	50838	4.605	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.200%
41) Toluene-d8	7.249	98	168104	4.650	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
43) trans-1,3-Dichloroprop...	7.561	79	19893	4.807	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.200%
46) 2-Hexanone-d5	8.037	63	68949	47.556	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.120%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	39490	4.935	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.800%
66) 1,2-Dichlorobenzene-d4	11.570	152	65975	4.840	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	49854	4.889	ug/L	99
3) Chloromethane	1.217	50	55886	4.670	ug/L	98
5) Vinyl chloride	1.285	62	48626	4.855	ug/L	99
6) Bromomethane	1.490	94	22585	4.735	ug/L	98
8) Chloroethane	1.555	64	29332	4.812	ug/L	100
9) Trichlorofluoromethane	1.719	101	91292	4.941	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	45753	4.851	ug/L	97
12) 1,1-Dichloroethene	2.076	96	39201	4.513	ug/L	90
13) Acetone	2.146	43	60849	37.776	ug/L	86
14) Carbon disulfide	2.246	76	104961	4.618	ug/L	98
15) Methyl Acetate	2.391	43	12641	3.857	ug/L #	89
16) Methylene chloride	2.455	84	40126	4.084	ug/L	100
17) Methyl tert-butyl Ether	2.712	73	77361	4.679	ug/L	100
18) trans-1,2-Dichloroethene	2.703	96	37753	4.758	ug/L	98
19) 1,1-Dichloroethane	3.121	63	74116	4.838	ug/L	99
21) 2-Butanone	3.905	43	74324	41.954	ug/L	94
22) cis-1,2-Dichloroethene	3.825	96	40111	4.791	ug/L	97
23) Bromochloromethane	4.162	128	19401	4.922	ug/L	95
25) Chloroform	4.288	83	81024	4.929	ug/L	99

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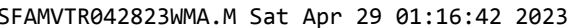
Instrument :
 MSVOA_V
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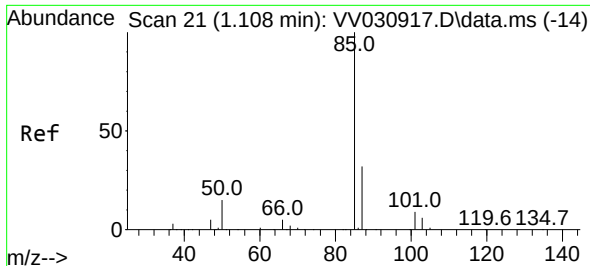
Quant Time: Apr 29 01:16:33 2023
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	52282	5.068	ug/L	100
29) 1,1,1-Trichloroethane	4.522	97	77495	4.762	ug/L	99
30) Cyclohexane	4.593	56	57216	4.654	ug/L	98
31) Carbon tetrachloride	4.744	117	72223	4.940	ug/L	97
33) Benzene	5.018	78	161303	4.951	ug/L	100
34) Trichloroethene	5.844	95	41618	4.792	ug/L	98
35) Methylcyclohexane	6.059	83	59730	4.438	ug/L	98
37) 1,2-Dichloropropane	6.101	63	38484	4.980	ug/L	98
38) Bromodichloromethane	6.442	83	54368	4.807	ug/L	99
39) cis-1,3-Dichloropropene	6.963	75	52459	4.532	ug/L	95
40) 4-Methyl-2-pentanone	7.169	43	200380	50.046	ug/L	99
42) Toluene	7.323	91	177488	5.060	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	47557	4.822	ug/L	98
45) 1,1,2-Trichloroethane	7.776	97	27747	4.839	ug/L	99
47) Tetrachloroethene	7.911	164	39062	4.715	ug/L	95
48) 2-Hexanone	8.085	43	147084	47.895	ug/L	97
49) Dibromochloromethane	8.181	129	35297	4.893	ug/L	96
50) 1,2-Dibromoethane	8.291	107	25957	5.076	ug/L #	96
51) Chlorobenzene	8.821	112	112901	4.748	ug/L	100
52) Ethylbenzene	8.953	91	182037	4.760	ug/L	95
53) m,p-Xylene	9.079	106	72297	4.737	ug/L	98
54) o-Xylene	9.487	106	67525	4.649	ug/L	92
55) Styrene	9.503	104	120729	4.926	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	32176	5.020	ug/L	97
59) Bromoform	9.673	173	21942	5.097	ug/L	99
60) Isopropylbenzene	9.876	105	189267	4.800	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	22240	4.841	ug/L	97
62) 1,3,5-Trimethylbenzene	10.484	105	147584	4.598	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	151855	4.669	ug/L	98
64) 1,3-Dichlorobenzene	11.124	146	98782	4.878	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	98124	4.803	ug/L	95
67) 1,2-Dichlorobenzene	11.587	146	89495	4.915	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.374	75	5311	4.555	ug/L #	81
69) 1,3,5-Trichlorobenzene	12.590	180	75244	4.693	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	58042	4.711	ug/L	99
71) Naphthalene	13.448	128	72011	4.076	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	47706	4.574	ug/L	99

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

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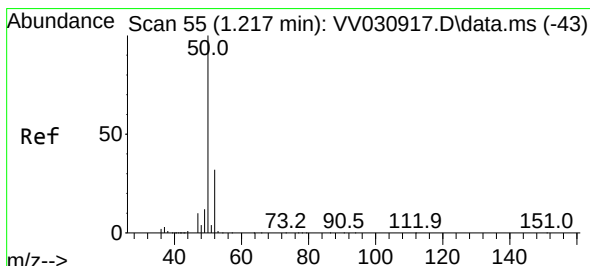
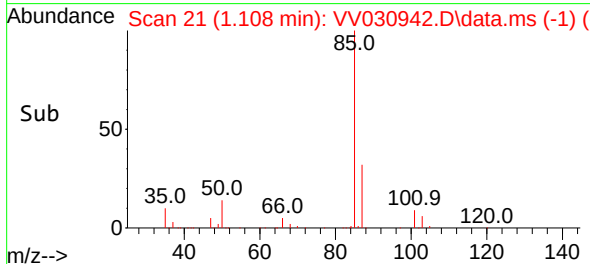
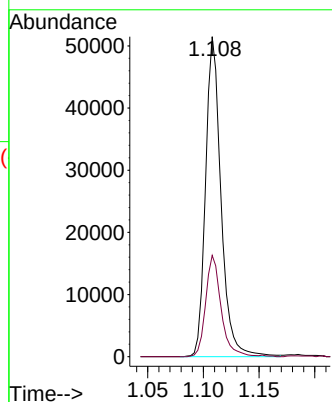
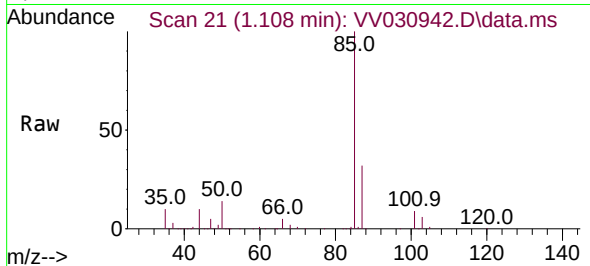




#2
 Dichlorodifluoromethane
 Concen: 4.889 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030942.D
 Acq: 28 Apr 2023 23:52

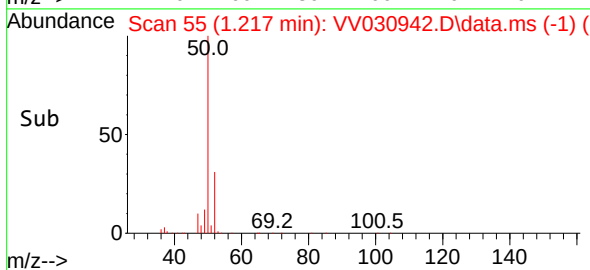
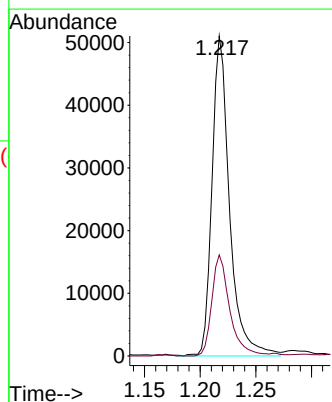
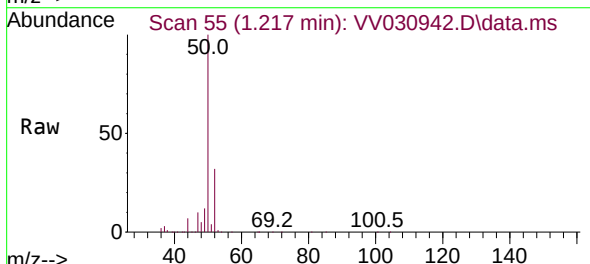
Instrument :
 MSVOA_V
 ClientSampleId :
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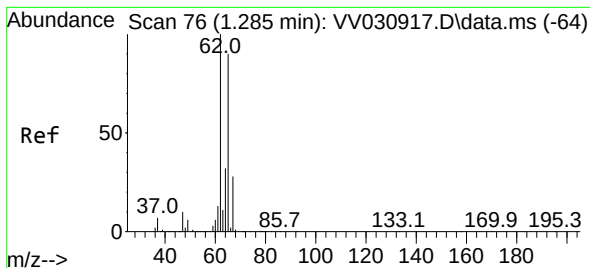
Tgt Ion: 85 Resp: 49854
 Ion Ratio Lower Upper
 85 100
 87 31.5 25.8 38.6



#3
 Chloromethane
 Concen: 4.670 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030942.D
 Acq: 28 Apr 2023 23:52

Tgt Ion: 50 Resp: 55886
 Ion Ratio Lower Upper
 50 100
 52 31.6 22.8 42.4

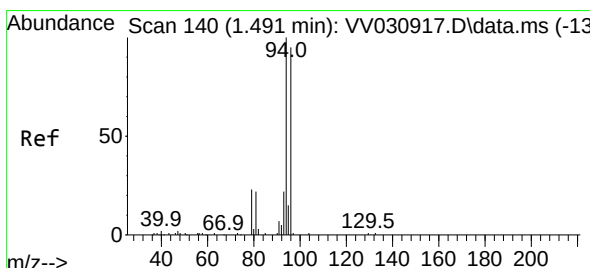
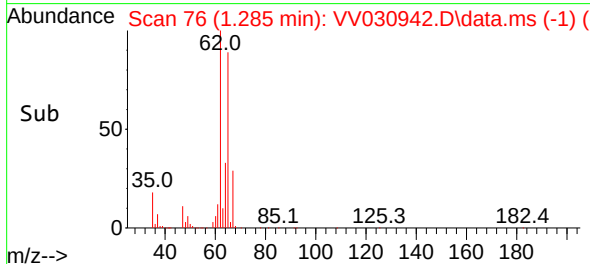
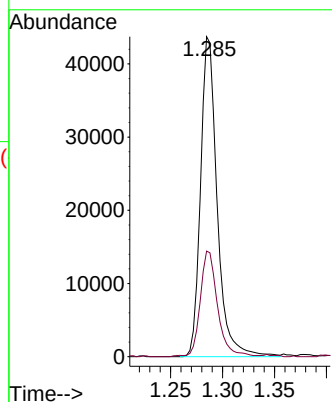
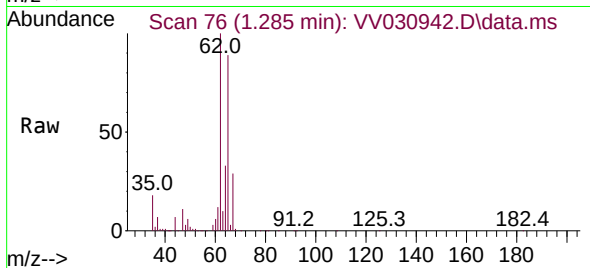




#5
 Vinyl chloride
 Concen: 4.855 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV030942.D
 Acq: 28 Apr 2023 23:52

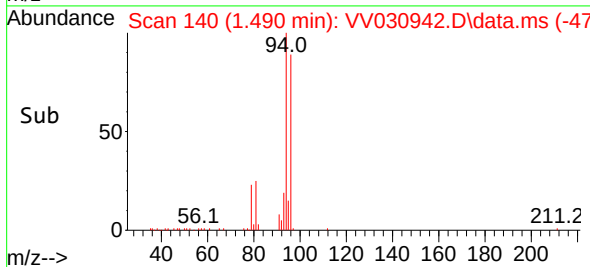
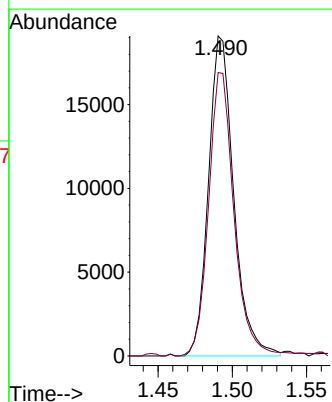
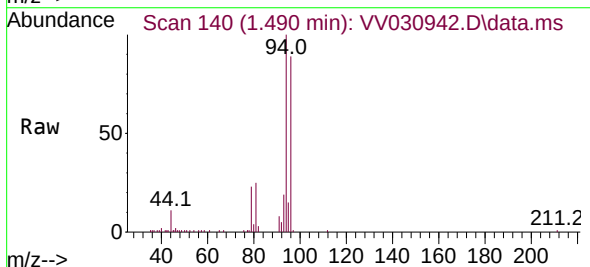
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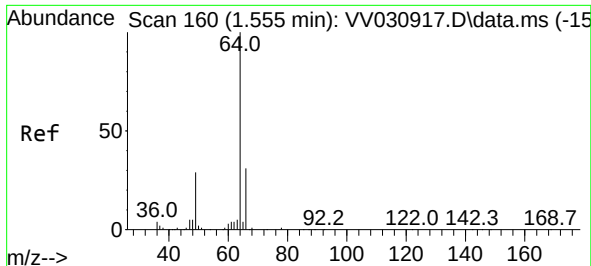
Tgt Ion: 62 Resp: 48626
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.8 42.4



#6
 Bromomethane
 Concen: 4.735 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV030942.D
 Acq: 28 Apr 2023 23:52

Tgt Ion: 94 Resp: 22585
 Ion Ratio Lower Upper
 94 100
 96 88.6 63.4 117.8

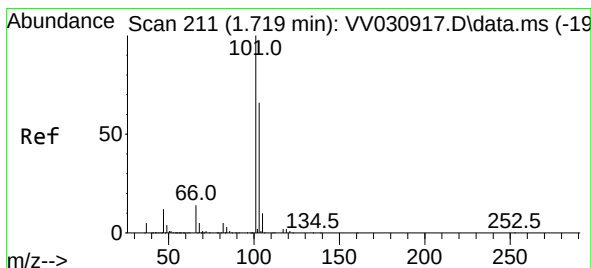
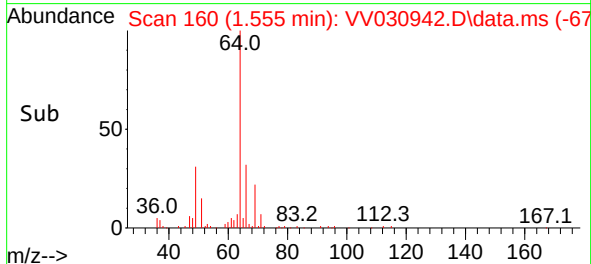
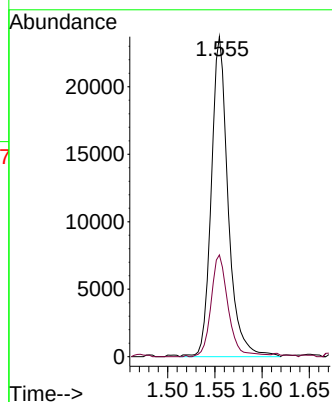
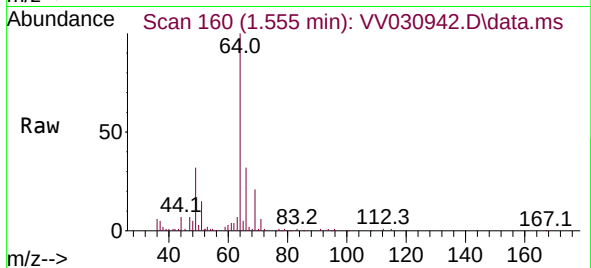




#8
Chloroethane
Concen: 4.812 ug/L
RT: 1.555 min Scan# 160
Delta R.T. -0.000 min
Lab File: VV030942.D
Acq: 28 Apr 2023 23:52

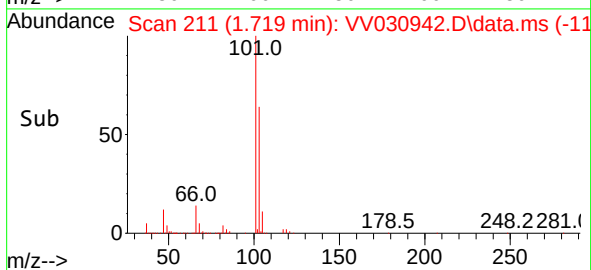
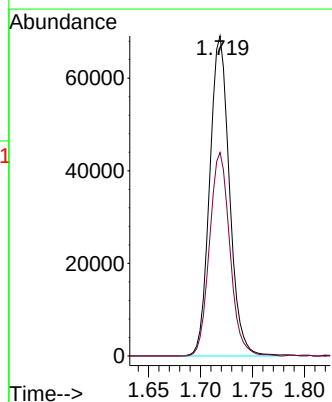
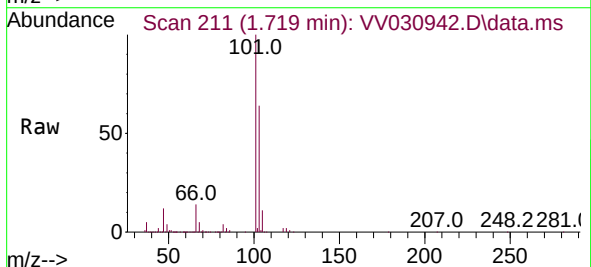
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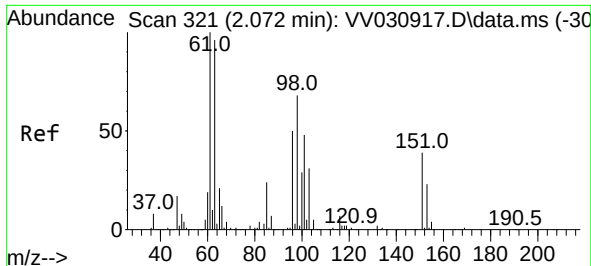
Tgt Ion: 64 Resp: 29332
Ion Ratio Lower Upper
64 100
66 31.8 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.941 ug/L
RT: 1.719 min Scan# 211
Delta R.T. -0.000 min
Lab File: VV030942.D
Acq: 28 Apr 2023 23:52

Tgt Ion:101 Resp: 91292
Ion Ratio Lower Upper
101 100
103 65.6 51.8 77.8





#10

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

Concen: 4.851 ug/L

RT: 2.072 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030942.D

Acq: 28 Apr 2023 23:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD005337

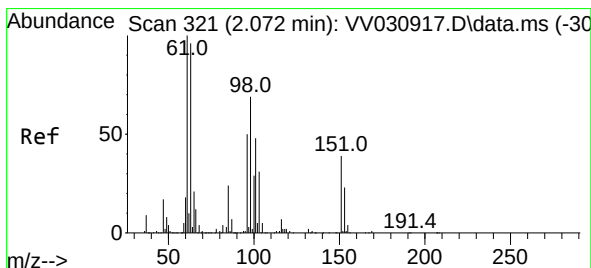
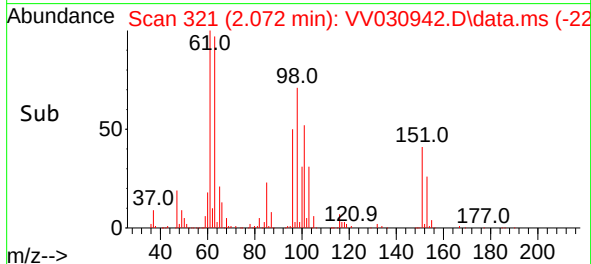
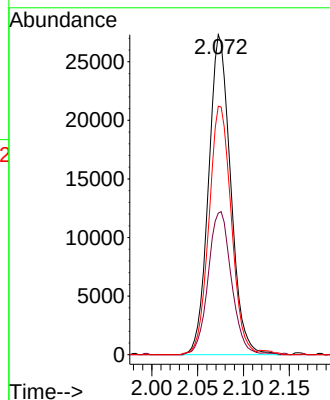
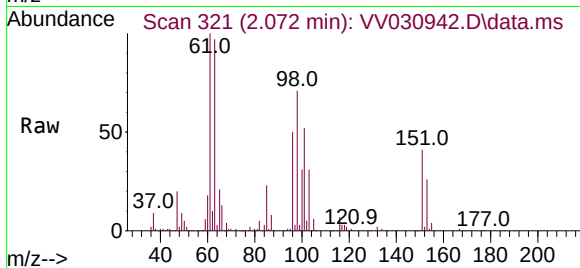
Tgt Ion:101 Resp: 45753

Ion Ratio Lower Upper

101 100

85 47.1 38.7 58.1

151 78.4 65.1 97.7



#12

1,1-Dichloroethene

Concen: 4.513 ug/L

RT: 2.076 min Scan# 322

Delta R.T. 0.003 min

Lab File: VV030942.D

Acq: 28 Apr 2023 23:52

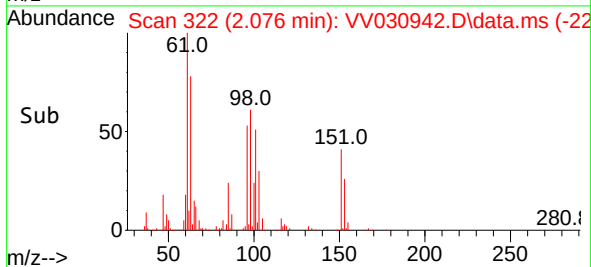
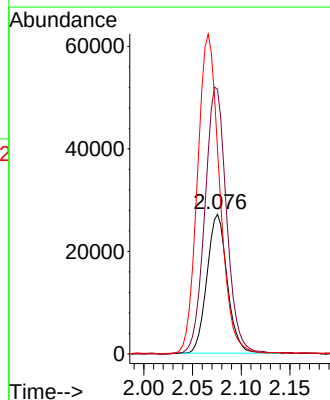
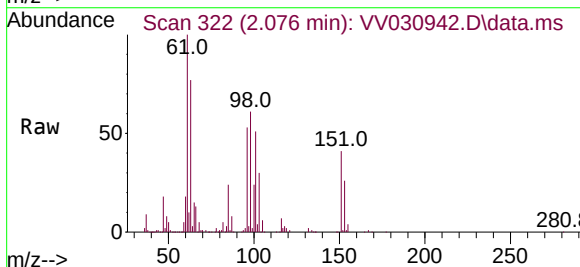
Tgt Ion: 96 Resp: 39201

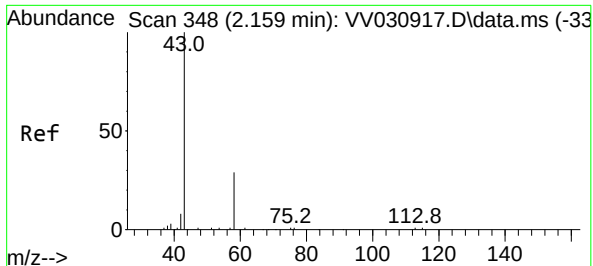
Ion Ratio Lower Upper

96 100

61 189.7 135.6 251.8

63 146.8 121.1 224.9





#13

Acetone

Concen: 37.776 ug/L

RT: 2.146 min Scan# 348

Delta R.T. -0.013 min

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Acq: 28 Apr 2023 23:52

Instrument :

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ClientSampleId :

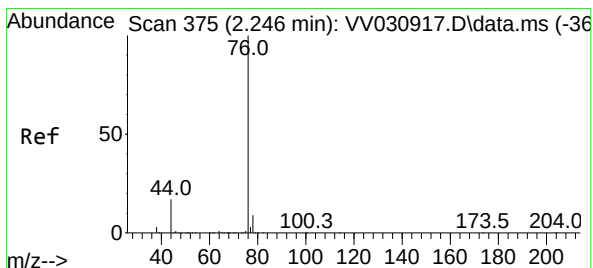
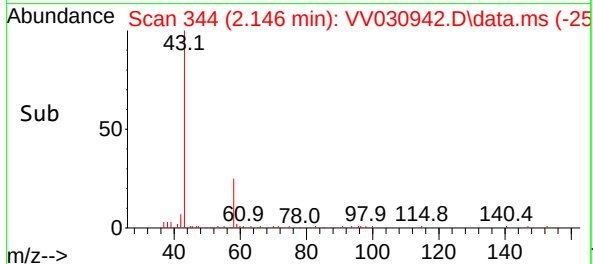
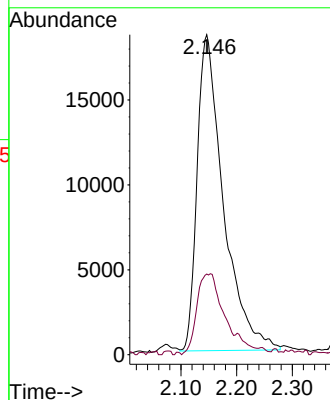
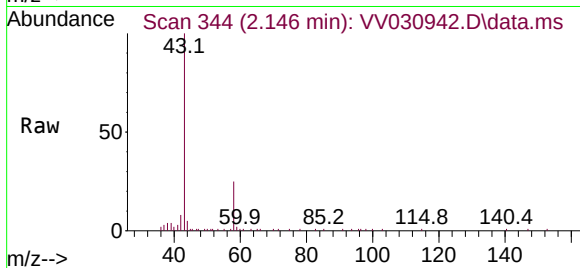
VSTD005337

Tgt Ion: 43 Resp: 60849

Ion Ratio Lower Upper

43 100

58 24.6 0.0 37.0



#14

Carbon disulfide

Concen: 4.618 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV030942.D

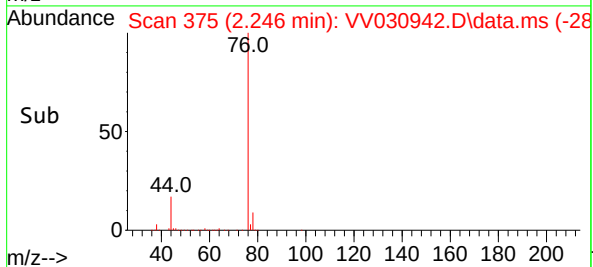
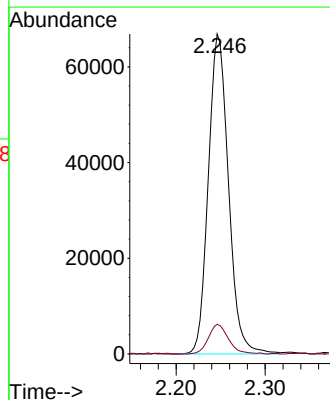
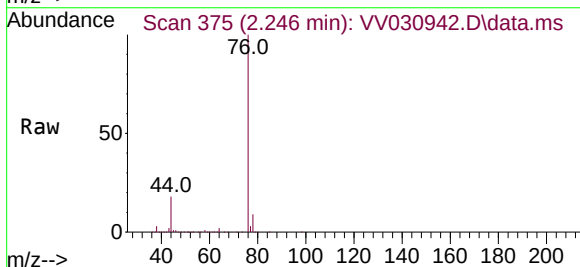
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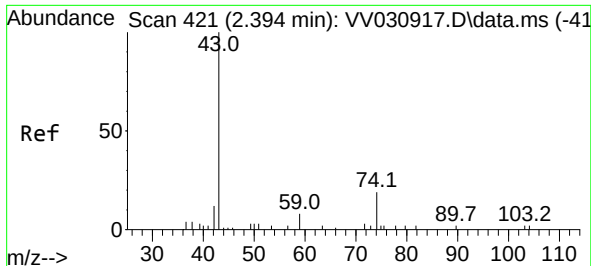
Tgt Ion: 76 Resp: 104961

Ion Ratio Lower Upper

76 100

78 9.2 6.8 10.2

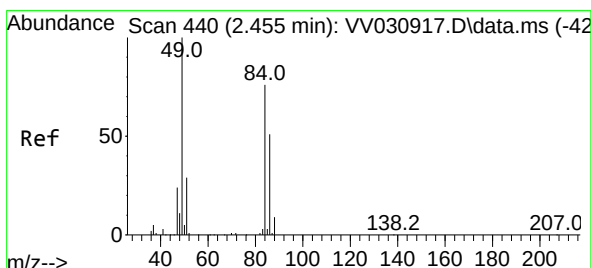
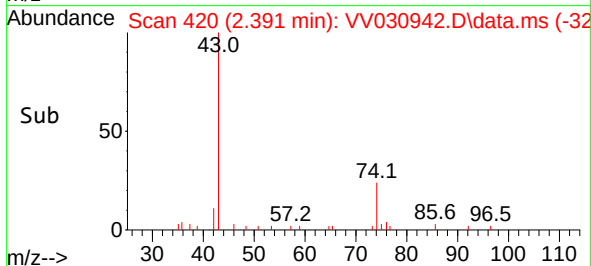
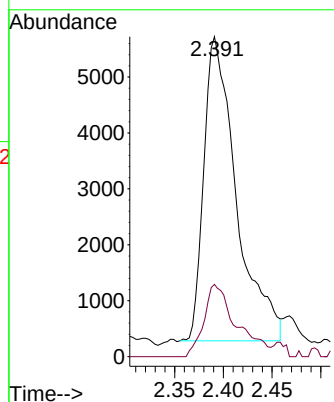
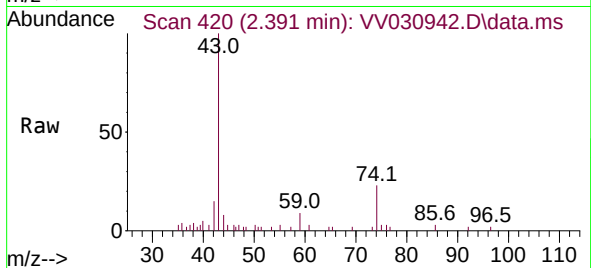




#15
Methyl Acetate
Concen: 3.857 ug/L
RT: 2.391 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV030942.D
Acq: 28 Apr 2023 23:52

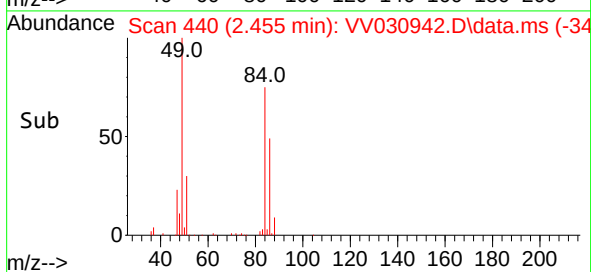
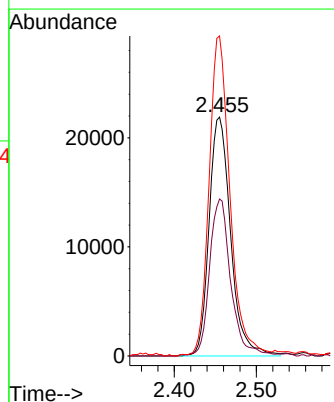
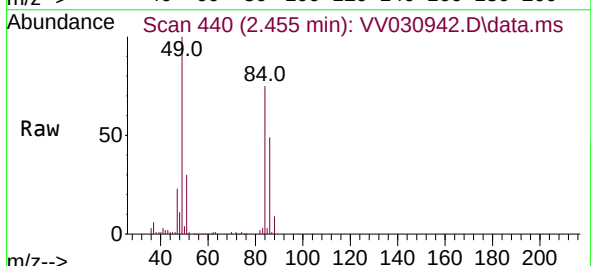
Instrument :
MSVOA_V
ClientSampleId :
VSTD005337

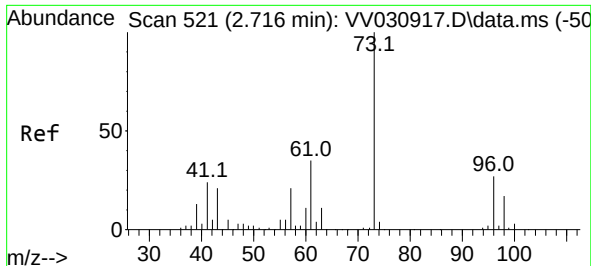
Tgt Ion: 43 Resp: 12641
Ion Ratio Lower Upper
43 100
74 23.8 15.0 22.6#



#16
Methylene chloride
Concen: 4.084 ug/L
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV030942.D
Acq: 28 Apr 2023 23:52

Tgt Ion: 84 Resp: 40126
Ion Ratio Lower Upper
84 100
86 65.7 46.1 85.5
49 133.9 94.3 175.1





#17

Methyl tert-butyl Ether

Concen: 4.679 ug/L

RT: 2.712 min Scan# 51

Delta R.T. -0.003 min

Lab File: VV030942.D

Acq: 28 Apr 2023 23:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD005337

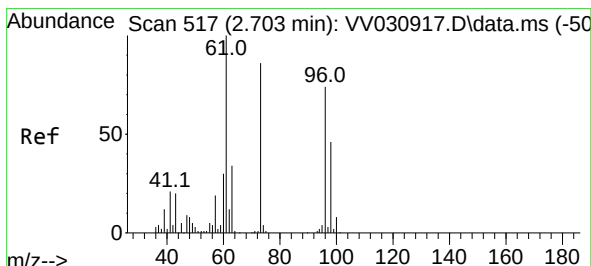
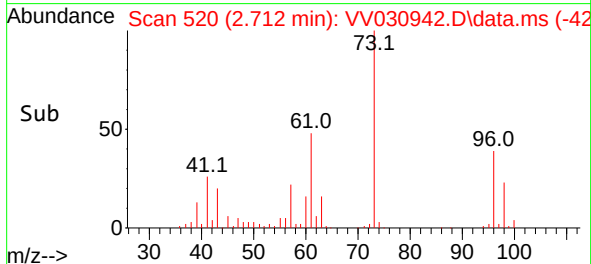
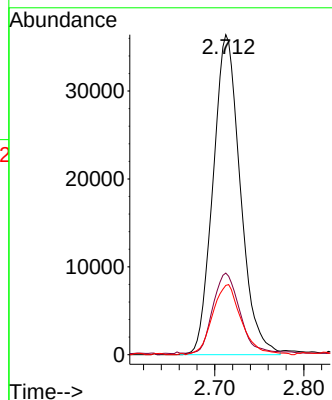
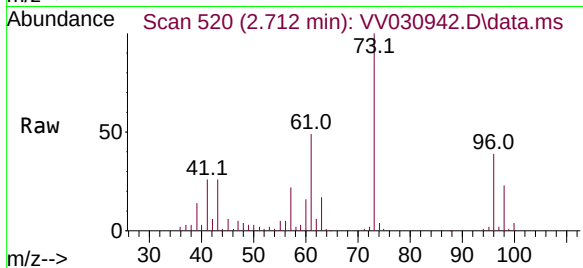
Tgt Ion: 73 Resp: 77361

Ion Ratio Lower Upper

73 100

43 24.7 19.9 29.9

57 23.1 18.2 27.4



#18

trans-1,2-Dichloroethene

Concen: 4.758 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.000 min

Lab File: VV030942.D

Acq: 28 Apr 2023 23:52

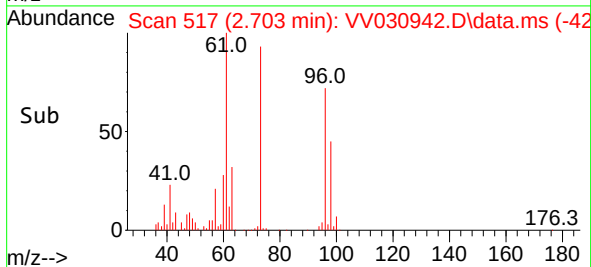
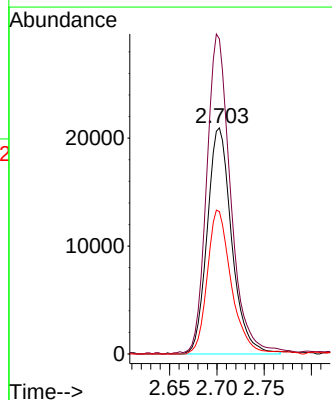
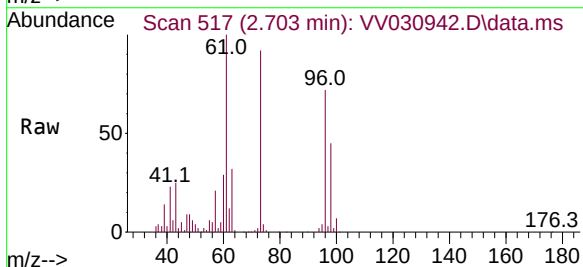
Tgt Ion: 96 Resp: 37753

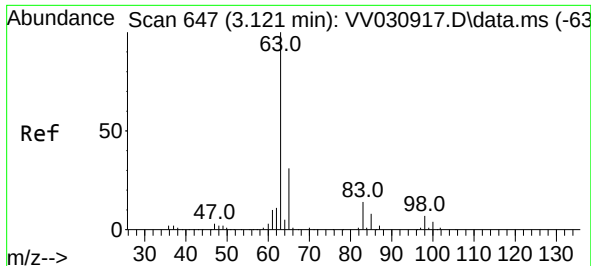
Ion Ratio Lower Upper

96 100

61 139.3 98.9 183.7

98 63.0 46.0 85.4





#19

1,1-Dichloroethane

Concen: 4.838 ug/L

RT: 3.121 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV030942.D

Acq: 28 Apr 2023 23:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD005337

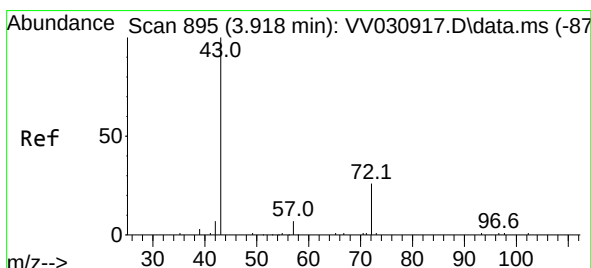
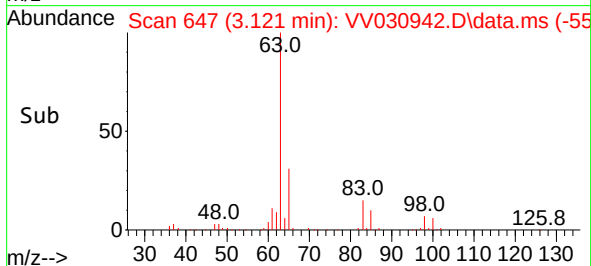
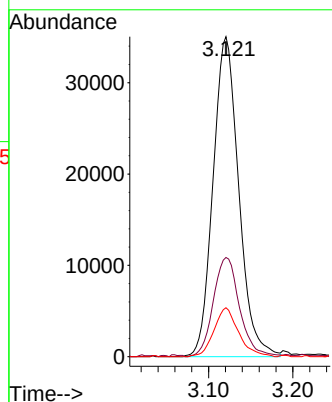
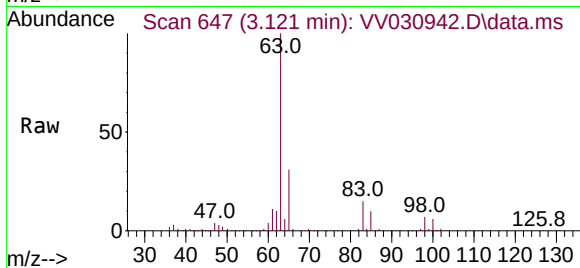
Tgt Ion: 63 Resp: 74116

Ion Ratio Lower Upper

63 100

65 31.0 21.8 40.6

83 15.3 10.2 19.0



#21

2-Butanone

Concen: 41.954 ug/L

RT: 3.905 min Scan# 891

Delta R.T. -0.013 min

Lab File: VV030942.D

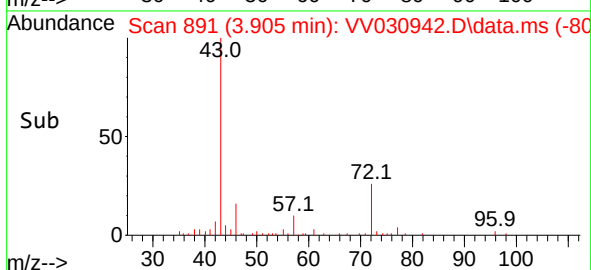
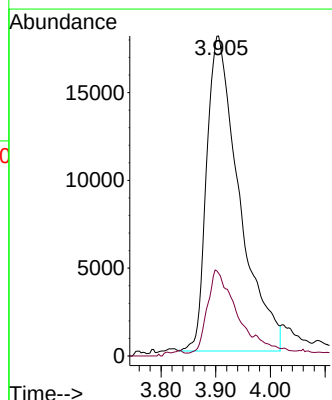
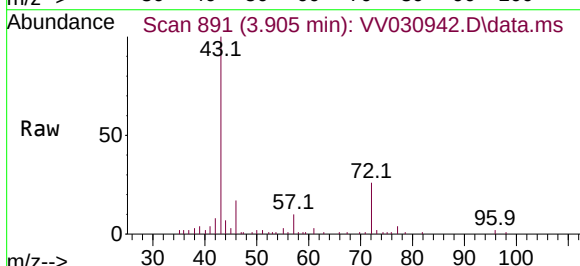
Acq: 28 Apr 2023 23:52

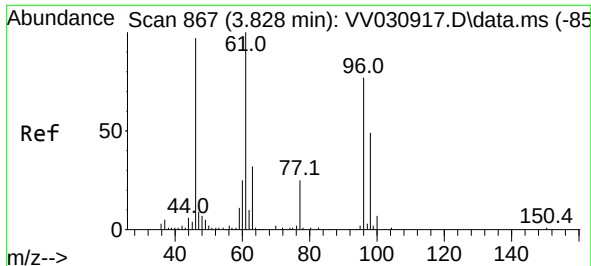
Tgt Ion: 43 Resp: 74324

Ion Ratio Lower Upper

43 100

72 21.6 9.6 28.6

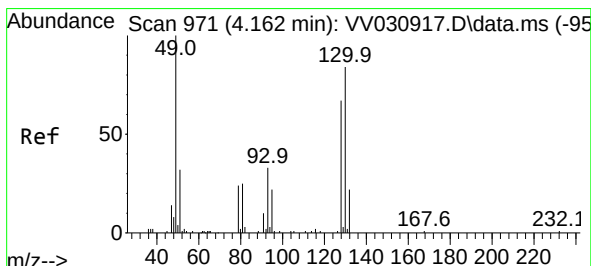
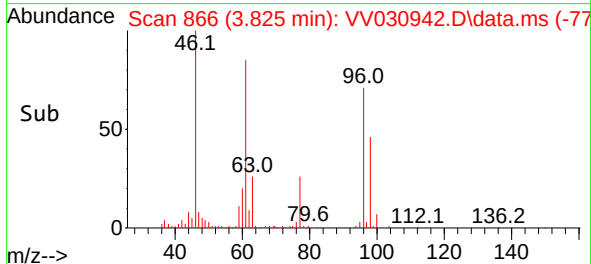
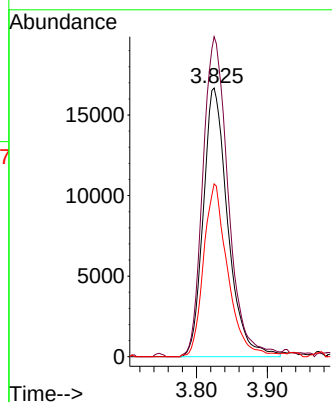
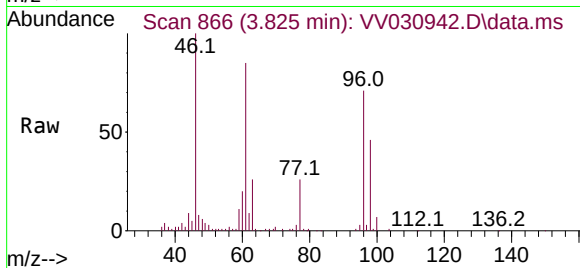




#22
 cis-1,2-Dichloroethene
 Concen: 4.791 ug/L
 RT: 3.825 min Scan# 867
 Delta R.T. -0.003 min
 Lab File: VV030942.D
 Acq: 28 Apr 2023 23:52

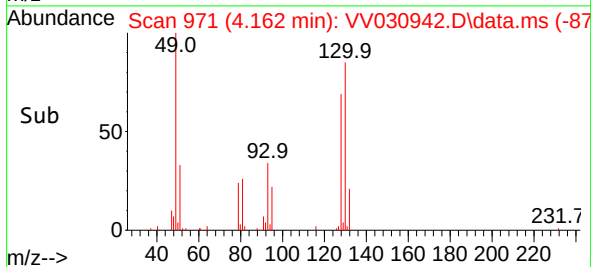
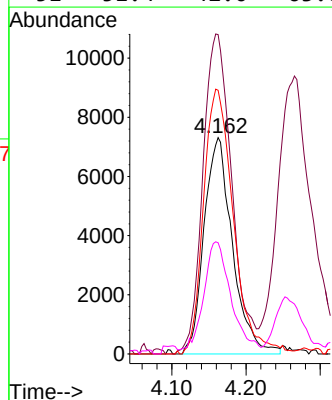
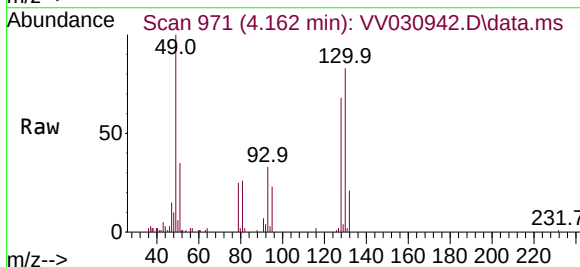
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005337

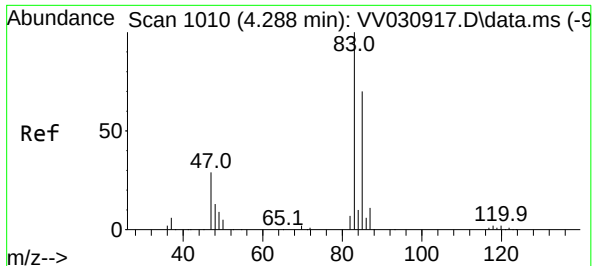
Tgt Ion: 96 Resp: 40111
 Ion Ratio Lower Upper
 96 100
 61 119.1 86.0 159.6
 98 64.3 43.2 80.2



#23
 Bromochloromethane
 Concen: 4.922 ug/L
 RT: 4.162 min Scan# 971
 Delta R.T. -0.000 min
 Lab File: VV030942.D
 Acq: 28 Apr 2023 23:52

Tgt Ion:128 Resp: 19401
 Ion Ratio Lower Upper
 128 100
 49 147.6 104.7 194.5
 130 121.9 93.4 173.4
 51 51.4 42.0 63.0





#25

Chloroform

Concen: 4.929 ug/L

RT: 4.288 min Scan# 1010

Delta R.T. -0.000 min

Lab File: VV030942.D

Acq: 28 Apr 2023 23:52

Instrument :

MSVOA_V

ClientSampleId :

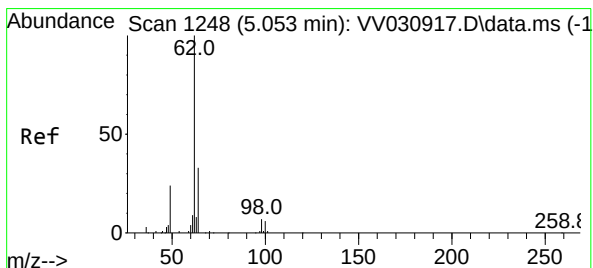
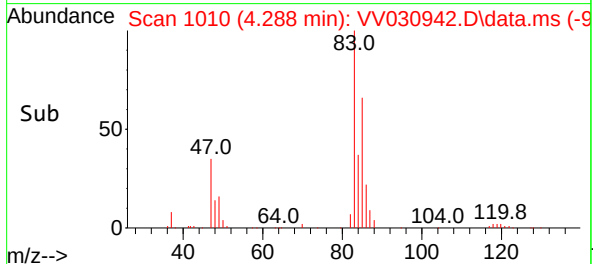
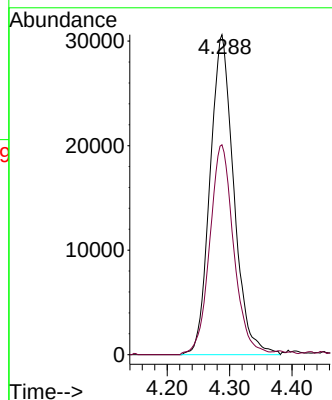
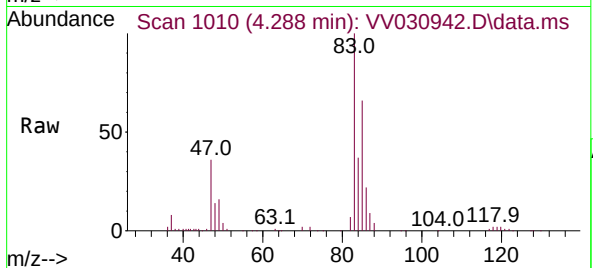
VSTD005337

Tgt Ion: 83 Resp: 81024

Ion Ratio Lower Upper

83 100

85 65.6 46.4 86.2



#27

1,2-Dichloroethane

Concen: 5.068 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. -0.003 min

Lab File: VV030942.D

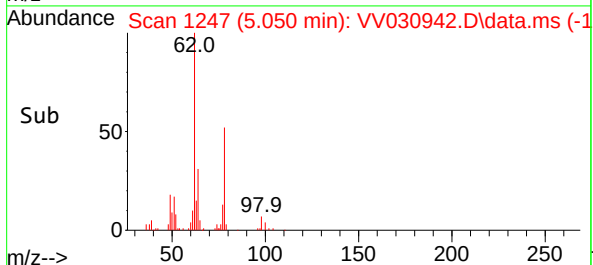
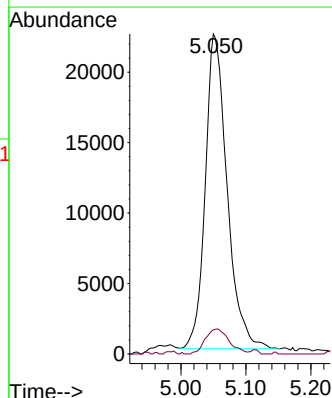
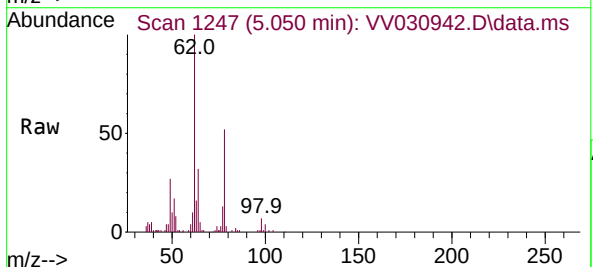
Acq: 28 Apr 2023 23:52

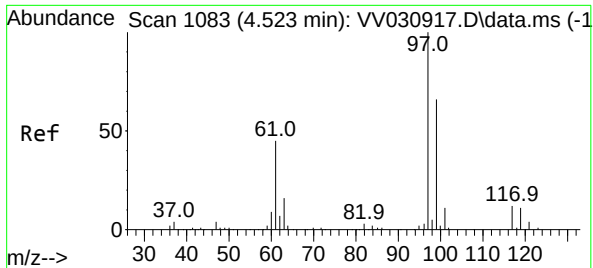
Tgt Ion: 62 Resp: 52282

Ion Ratio Lower Upper

62 100

98 7.5 6.0 9.0





#29

1,1,1-Trichloroethane

Concen: 4.762 ug/L

RT: 4.522 min Scan# 1083

Delta R.T. -0.000 min

Lab File: VV030942.D

Acq: 28 Apr 2023 23:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD005337

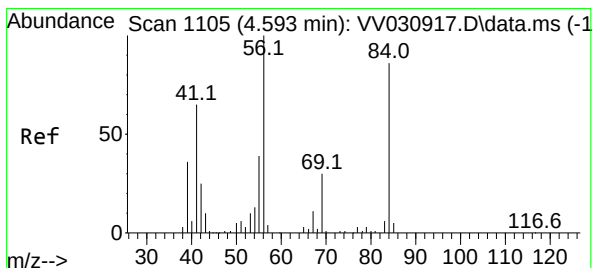
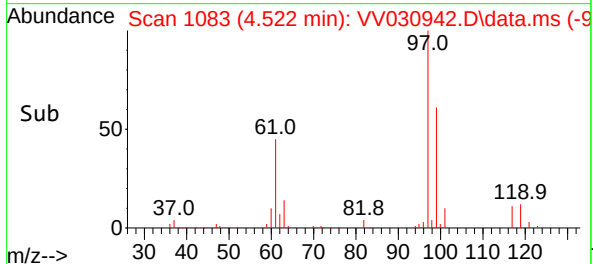
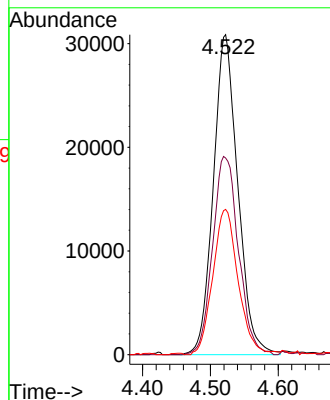
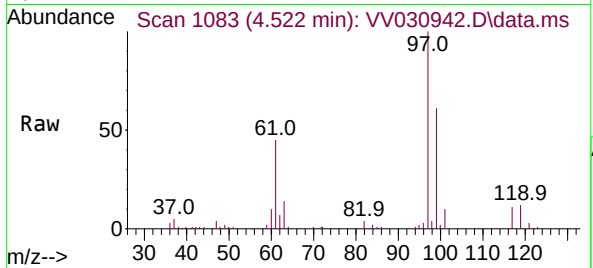
Tgt Ion: 97 Resp: 77495

Ion Ratio Lower Upper

97 100

99 65.4 51.4 77.2

61 46.8 37.4 56.0



#30

Cyclohexane

Concen: 4.654 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VV030942.D

Acq: 28 Apr 2023 23:52

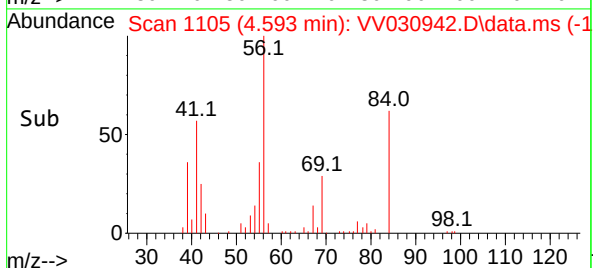
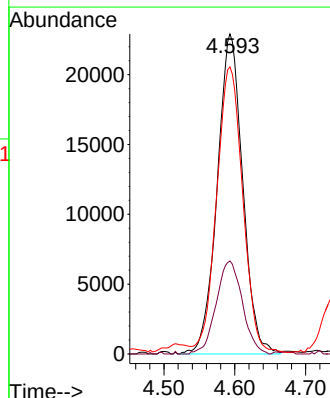
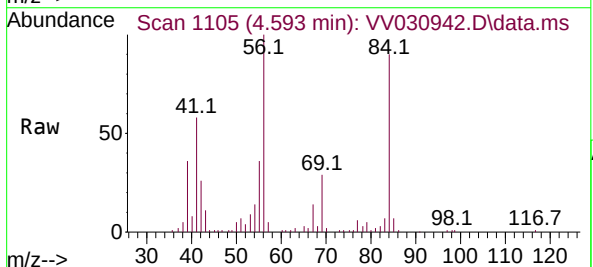
Tgt Ion: 56 Resp: 57216

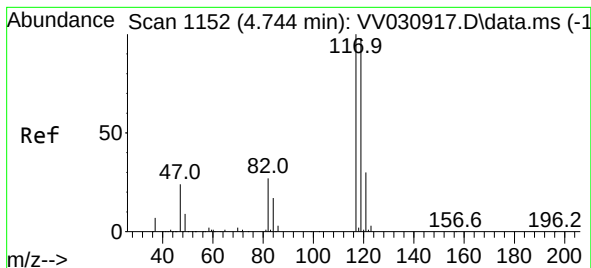
Ion Ratio Lower Upper

56 100

69 29.8 25.0 37.6

84 90.9 74.2 111.2





#31

Carbon tetrachloride

Concen: 4.940 ug/L

RT: 4.744 min Scan# 1152

Delta R.T. -0.000 min

Lab File: VV030942.D

Acq: 28 Apr 2023 23:52

Instrument :

MSVOA_V

ClientSampleId :

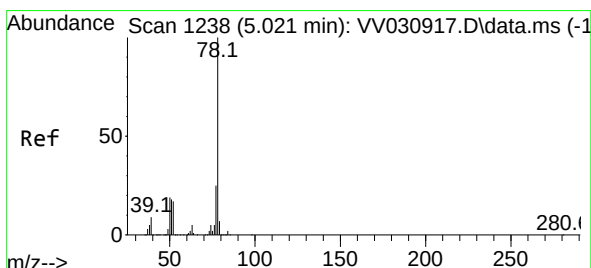
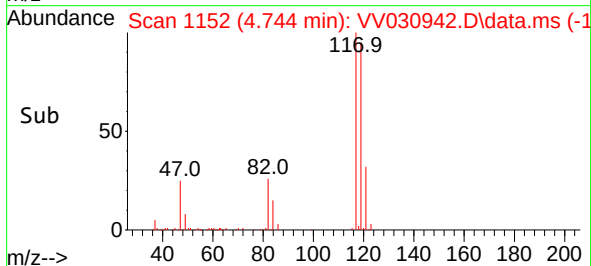
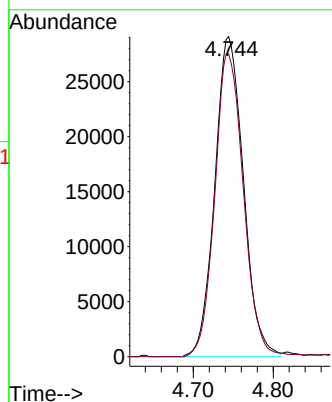
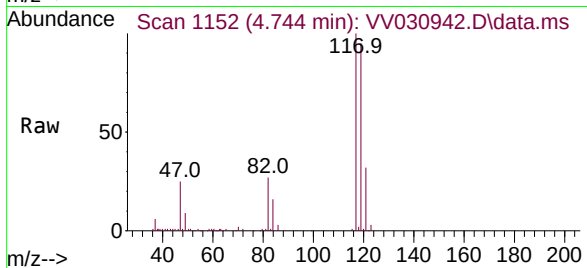
VSTD005337

Tgt Ion:117 Resp: 72223

Ion Ratio Lower Upper

117 100

119 95.3 78.4 117.6



#33

Benzene

Concen: 4.951 ug/L

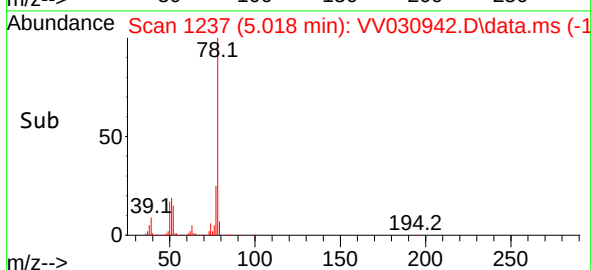
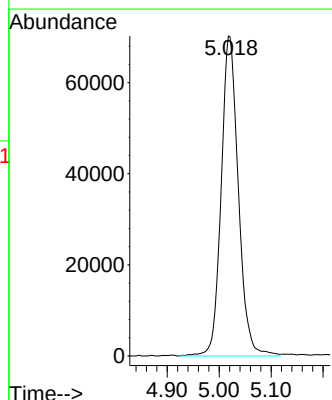
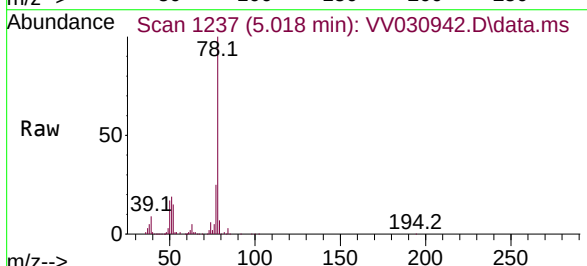
RT: 5.018 min Scan# 1237

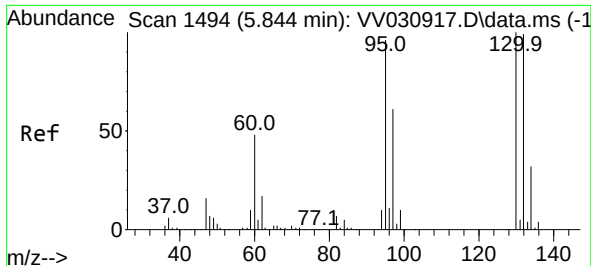
Delta R.T. -0.003 min

Lab File: VV030942.D

Acq: 28 Apr 2023 23:52

Tgt Ion: 78 Resp: 161303



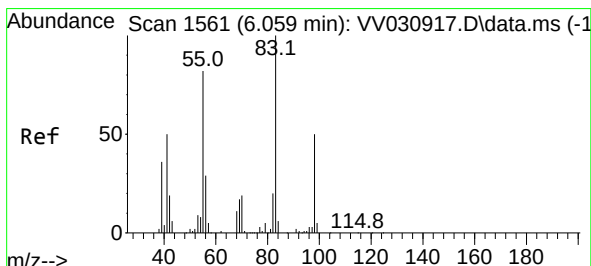
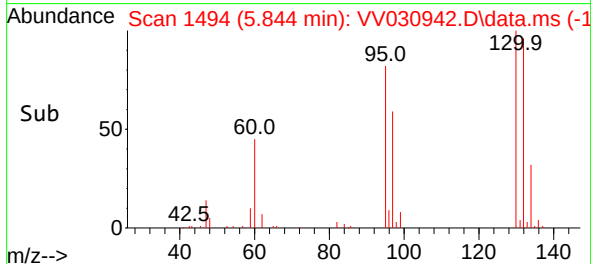
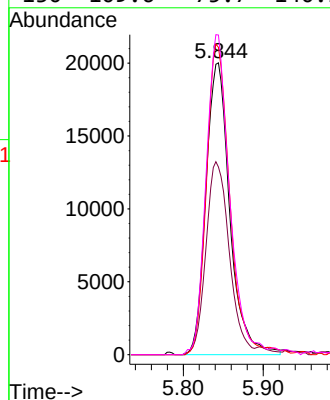
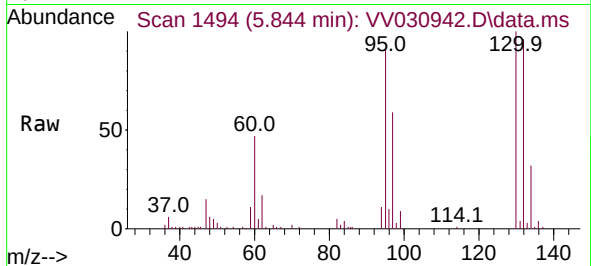


#34
 Trichloroethene
 Concen: 4.792 ug/L
 RT: 5.844 min Scan# 1494
 Delta R.T. -0.000 min
 Lab File: VV030942.D
 Acq: 28 Apr 2023 23:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005337

Tgt Ion: 95 Resp: 41618

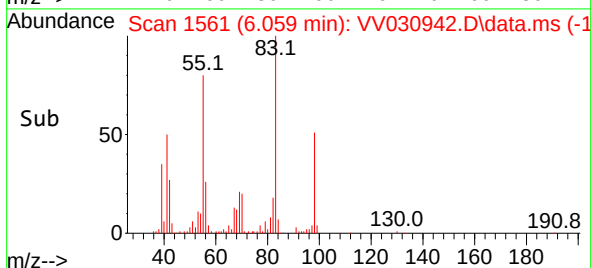
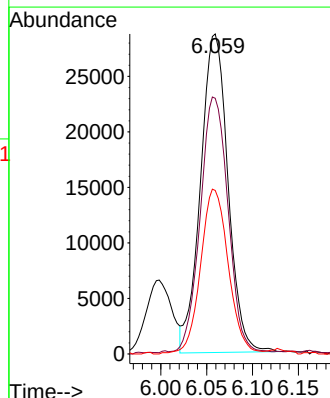
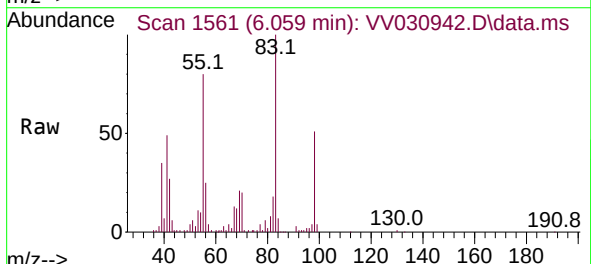
Ion	Ratio	Lower	Upper
95	100		
97	64.3	46.2	85.8
132	105.3	72.7	135.1
130	109.6	75.7	140.5

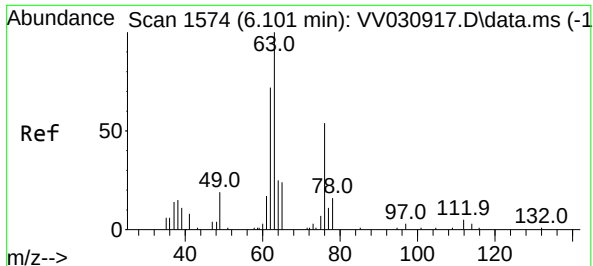


#35
 Methylcyclohexane
 Concen: 4.438 ug/L
 RT: 6.059 min Scan# 1561
 Delta R.T. -0.000 min
 Lab File: VV030942.D
 Acq: 28 Apr 2023 23:52

Tgt Ion: 83 Resp: 59730

Ion	Ratio	Lower	Upper
83	100		
55	80.6	62.9	94.3
98	52.3	40.5	60.7





#37

1,2-Dichloropropane

Concen: 4.980 ug/L

RT: 6.101 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV030942.D

Acq: 28 Apr 2023 23:52

Instrument :

MSVOA_V

ClientSampleId :

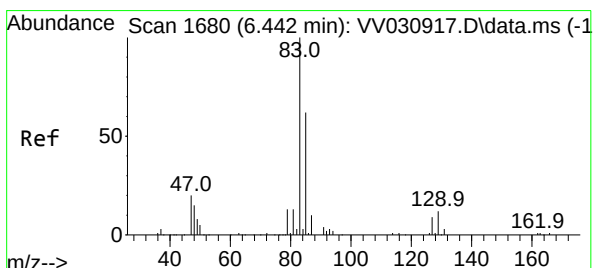
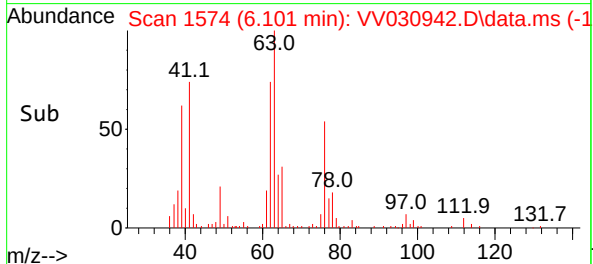
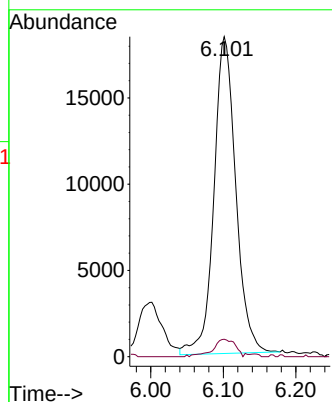
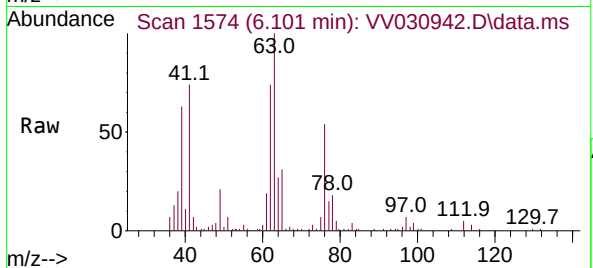
VSTD005337

Tgt Ion: 63 Resp: 38484

Ion Ratio Lower Upper

63 100

112 5.6 3.8 5.8



#38

Bromodichloromethane

Concen: 4.807 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. -0.000 min

Lab File: VV030942.D

Acq: 28 Apr 2023 23:52

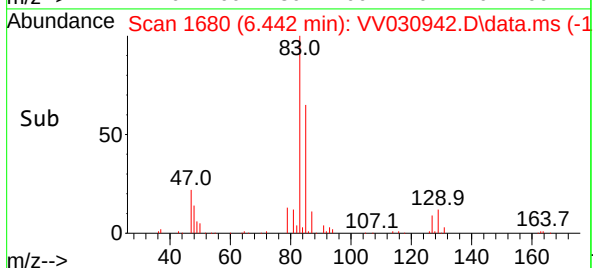
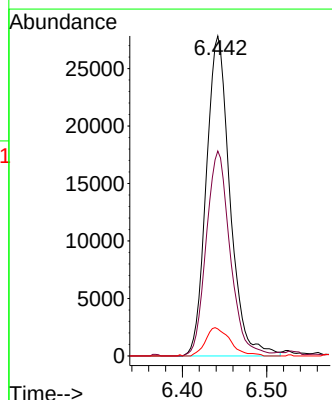
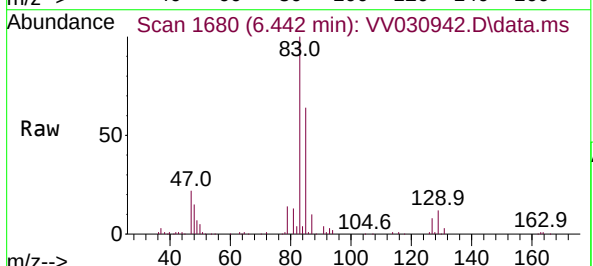
Tgt Ion: 83 Resp: 54368

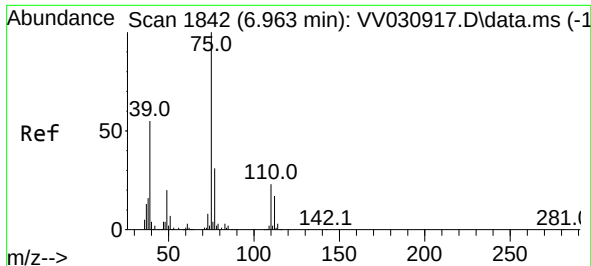
Ion Ratio Lower Upper

83 100

85 64.1 44.4 82.4

127 8.4 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.532 ug/L

RT: 6.963 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VV030942.D

Acq: 28 Apr 2023 23:52

Instrument :

MSVOA_V

ClientSampleId :

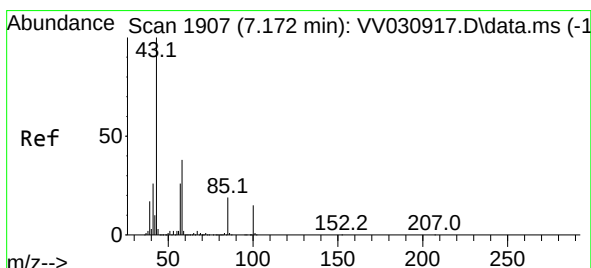
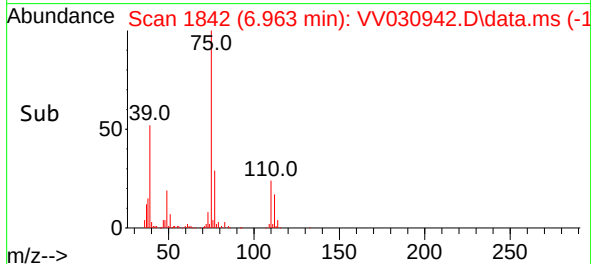
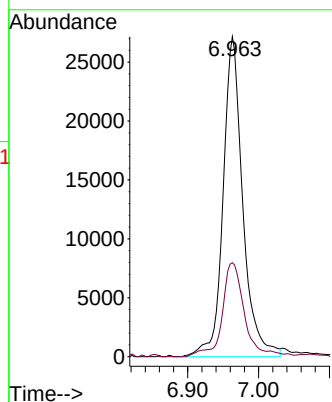
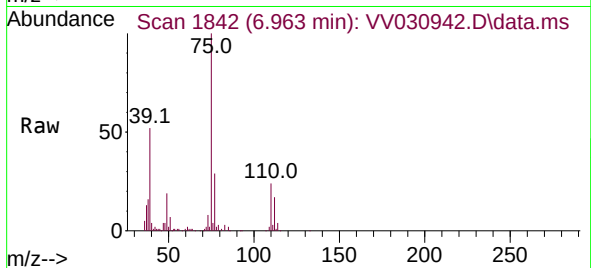
VSTD005337

Tgt Ion: 75 Resp: 52459

Ion Ratio Lower Upper

75 100

77 29.3 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 50.046 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. -0.003 min

Lab File: VV030942.D

Acq: 28 Apr 2023 23:52

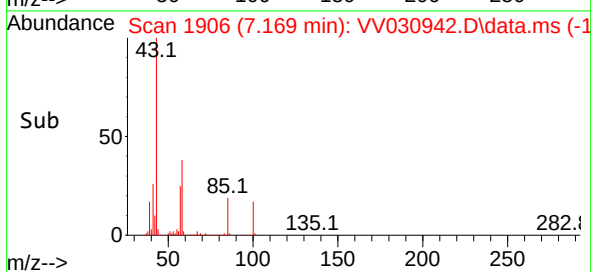
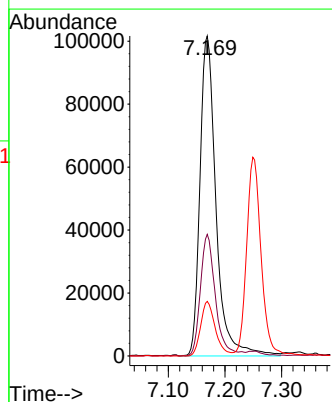
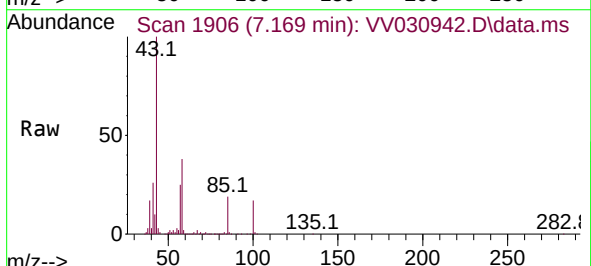
Tgt Ion: 43 Resp: 200380

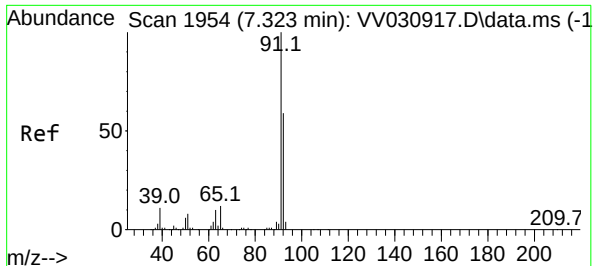
Ion Ratio Lower Upper

43 100

58 35.2 28.3 42.5

100 15.6 11.8 17.8





#42

Toluene

Concen: 5.060 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. -0.000 min

Lab File: VV030942.D

Acq: 28 Apr 2023 23:52

Instrument :

MSVOA_V

ClientSampleId :

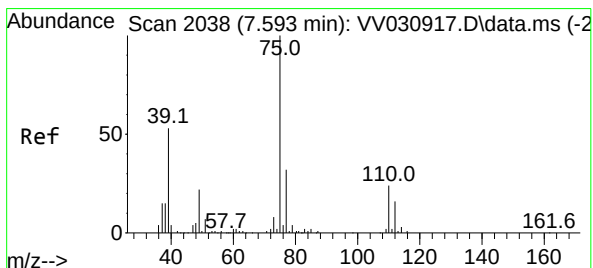
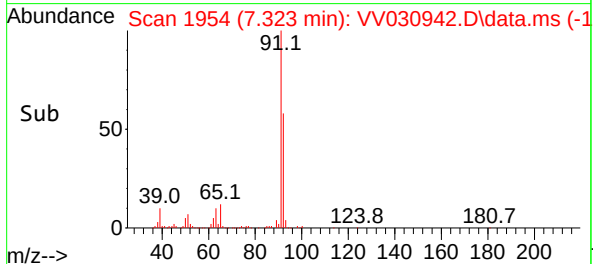
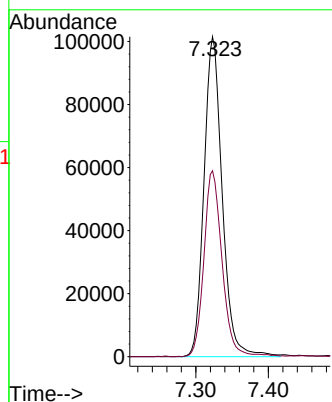
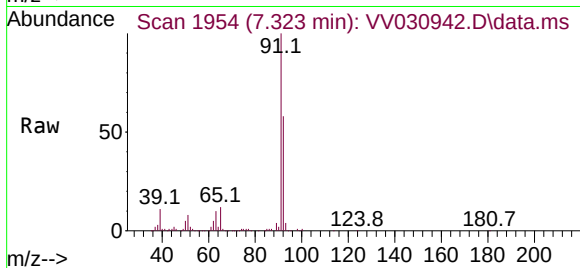
VSTD005337

Tgt Ion: 91 Resp: 177488

Ion Ratio Lower Upper

91 100

92 58.1 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 4.822 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. -0.003 min

Lab File: VV030942.D

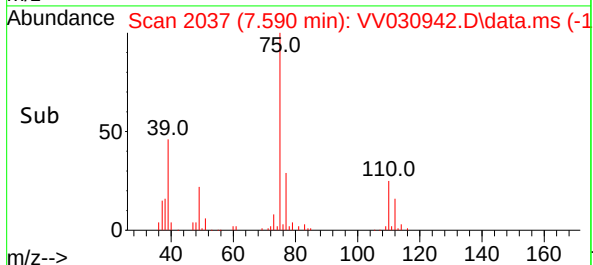
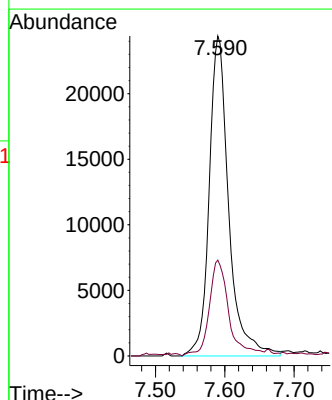
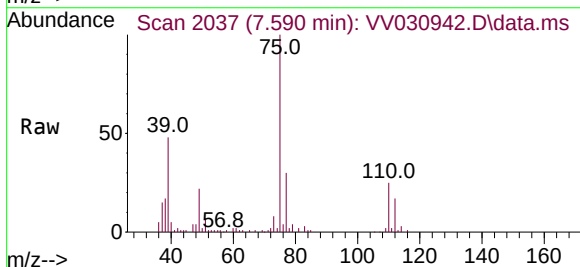
Acq: 28 Apr 2023 23:52

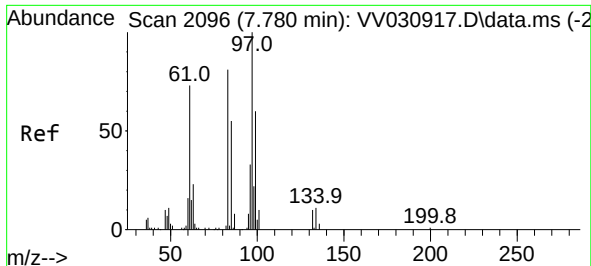
Tgt Ion: 75 Resp: 47557

Ion Ratio Lower Upper

75 100

77 30.0 21.6 40.0

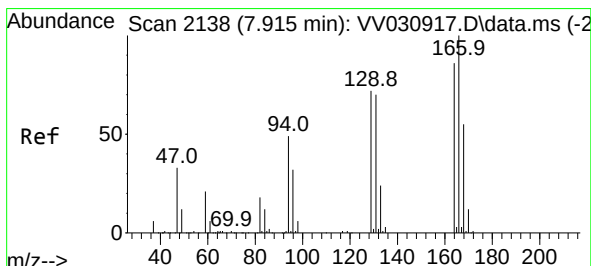
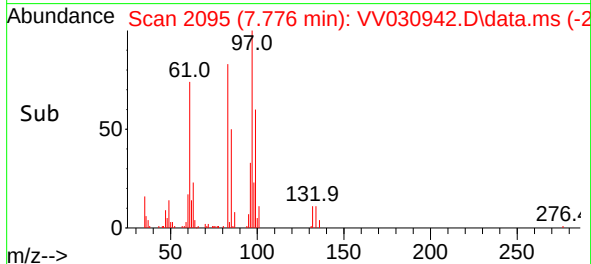
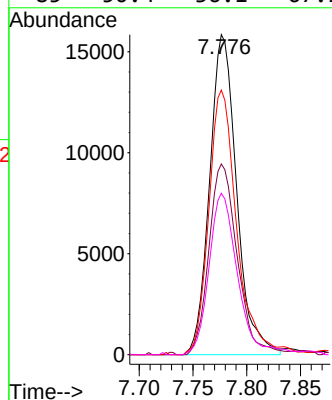
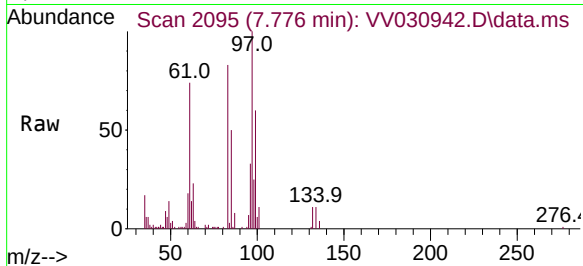




#45
1,1,2-Trichloroethane
Concen: 4.839 ug/L
RT: 7.776 min Scan# 2096
Delta R.T. -0.003 min
Lab File: VV030942.D
Acq: 28 Apr 2023 23:52

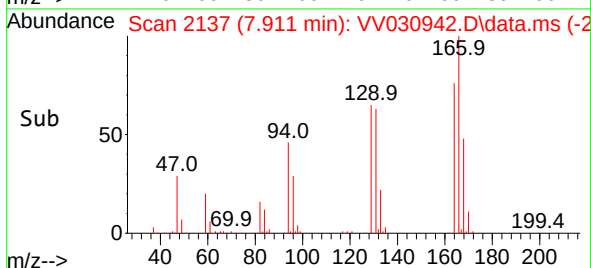
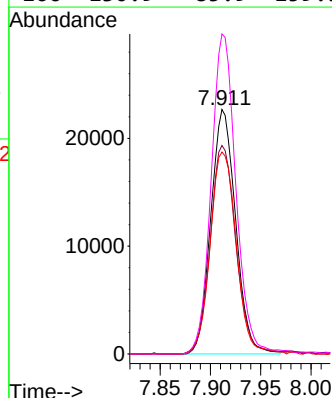
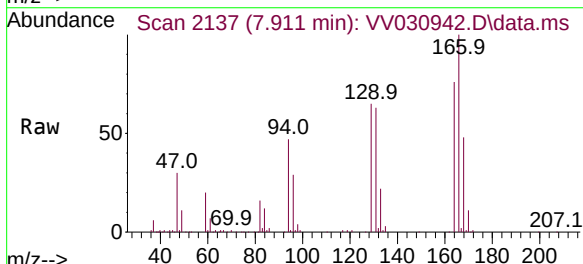
Instrument :
MSVOA_V
ClientSampleId :
VSTD005337

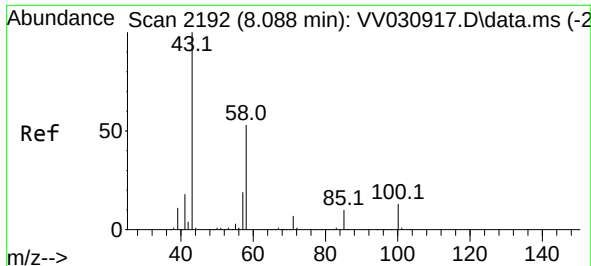
Tgt Ion: 97	Resp: 27747
Ion Ratio	Lower Upper
97 100	
99 59.6	42.8 79.6
83 82.7	57.5 106.7
85 50.4	36.1 67.1



#47
Tetrachloroethene
Concen: 4.715 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.003 min
Lab File: VV030942.D
Acq: 28 Apr 2023 23:52

Tgt	Ion:164	Resp:	39062
Ion	Ratio	Lower	Upper
164	100		
129	85.3	60.5	112.3
131	82.6	60.8	112.8
166	130.9	85.9	159.5



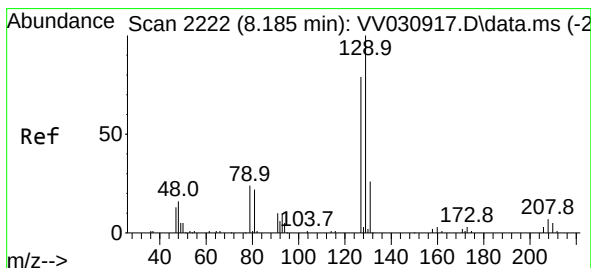
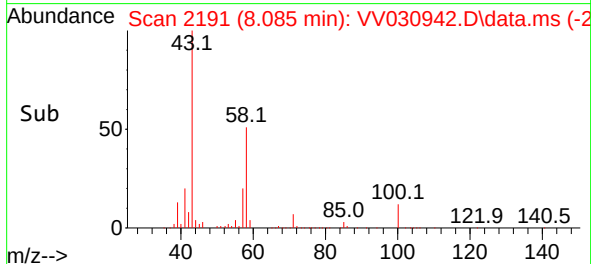
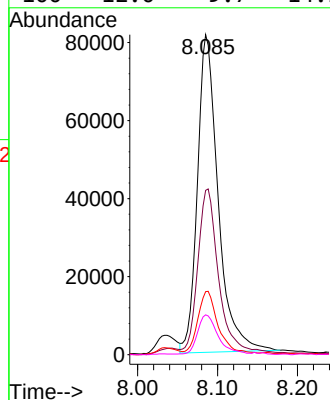
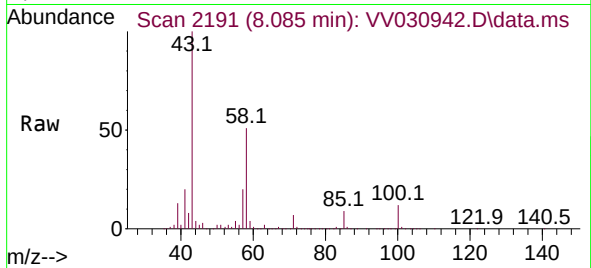


#48
2-Hexanone
Concen: 47.895 ug/L
RT: 8.085 min Scan# 2192
Delta R.T. -0.003 min
Lab File: VV030942.D
Acq: 28 Apr 2023 23:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD005337

Tgt Ion: 43 Resp: 147084

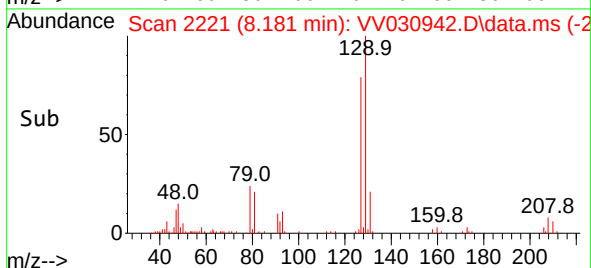
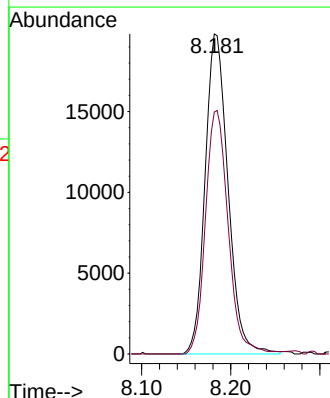
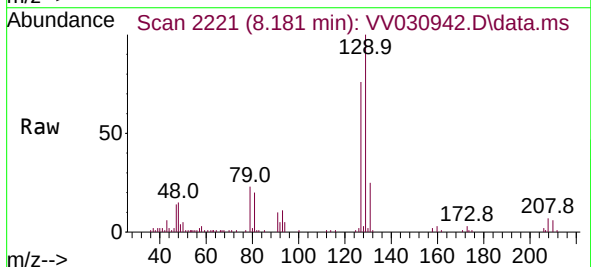
Ion	Ratio	Lower	Upper
43	100		
58	52.4	39.9	59.9
57	18.9	14.1	21.1
100	12.0	9.7	14.5

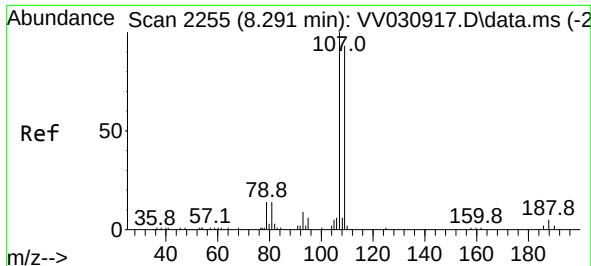


#49
Dibromochloromethane
Concen: 4.893 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. -0.003 min
Lab File: VV030942.D
Acq: 28 Apr 2023 23:52

Tgt Ion: 129 Resp: 35297

Ion	Ratio	Lower	Upper
129	100		
127	75.6	55.3	102.7





#50

1,2-Dibromoethane

Concen: 5.076 ug/L

RT: 8.291 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV030942.D

Acq: 28 Apr 2023 23:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD005337

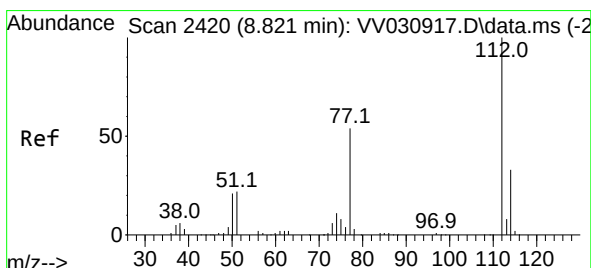
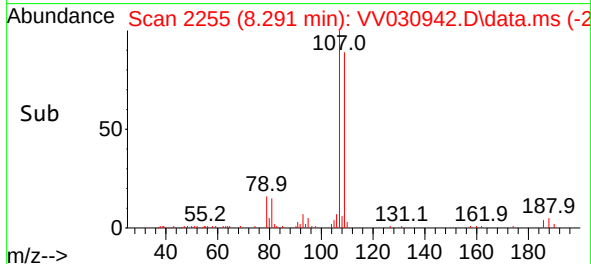
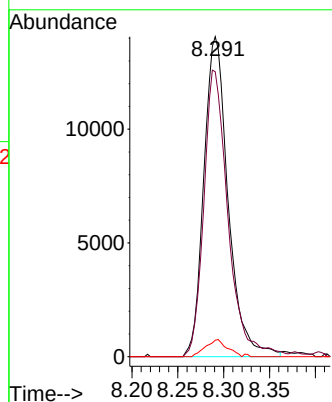
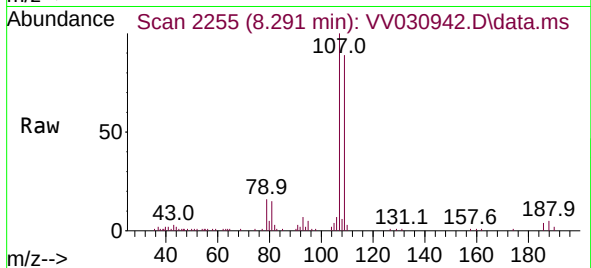
Tgt Ion:107 Resp: 25957

Ion Ratio Lower Upper

107 100

109 89.0 64.9 120.5

188 5.1 3.2 4.8#



#51

Chlorobenzene

Concen: 4.748 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV030942.D

Acq: 28 Apr 2023 23:52

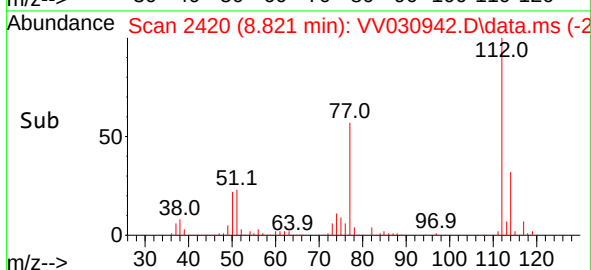
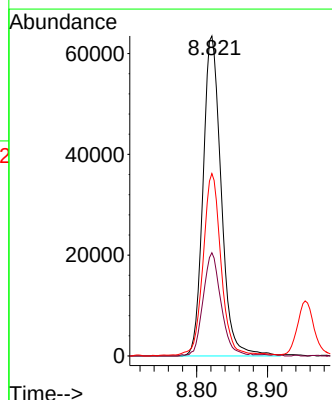
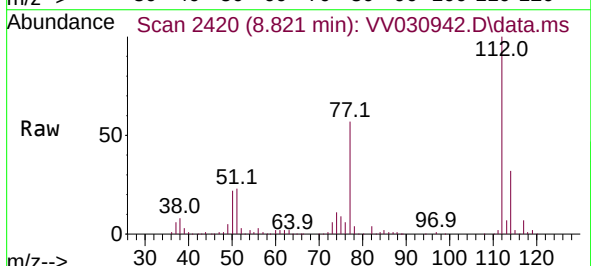
Tgt Ion:112 Resp: 112901

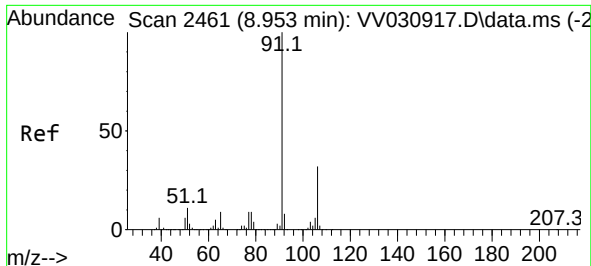
Ion Ratio Lower Upper

112 100

114 32.3 22.5 41.9

77 57.0 45.3 67.9

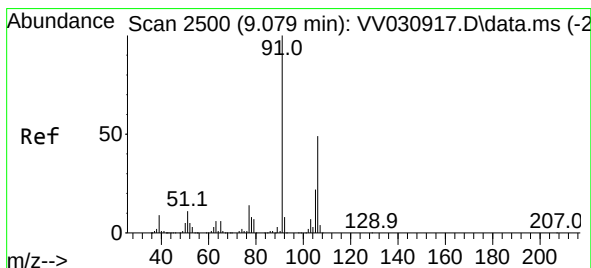
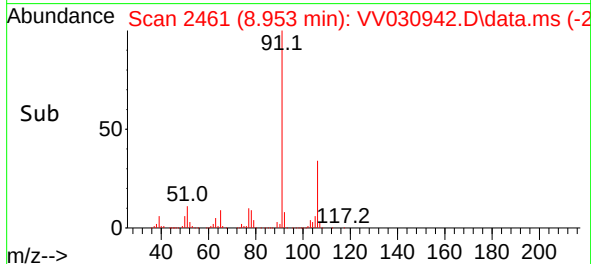
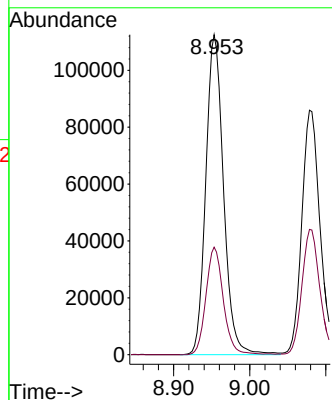
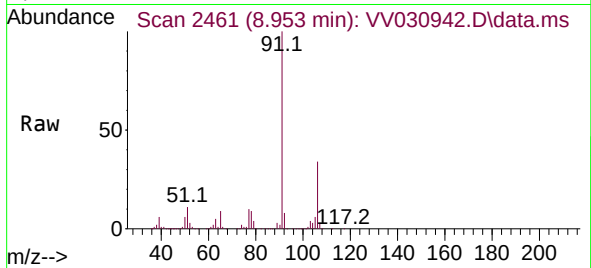




#52
Ethylbenzene
Concen: 4.760 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. -0.000 min
Lab File: VV030942.D
Acq: 28 Apr 2023 23:52

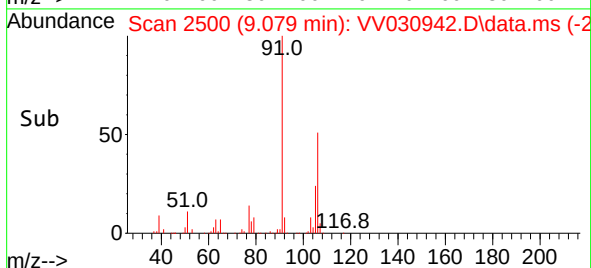
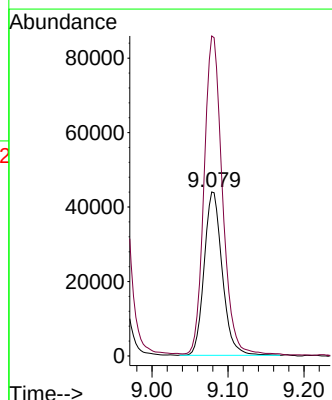
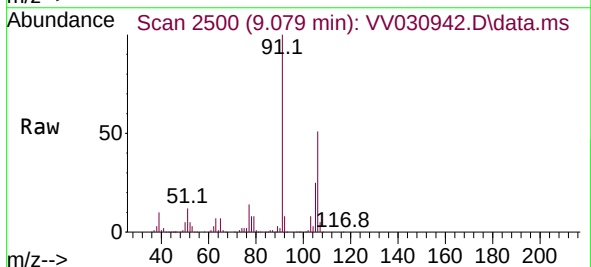
Instrument :
MSVOA_V
ClientSampleId :
VSTD005337

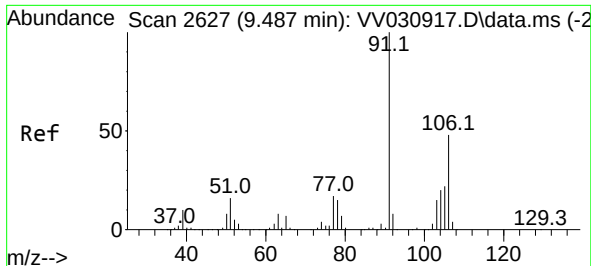
Tgt Ion: 91 Resp: 182037
Ion Ratio Lower Upper
91 100
106 33.6 21.4 39.8



#53
m,p-Xylene
Concen: 4.737 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. -0.000 min
Lab File: VV030942.D
Acq: 28 Apr 2023 23:52

Tgt Ion: 106 Resp: 72297
Ion Ratio Lower Upper
106 100
91 195.1 138.7 257.5

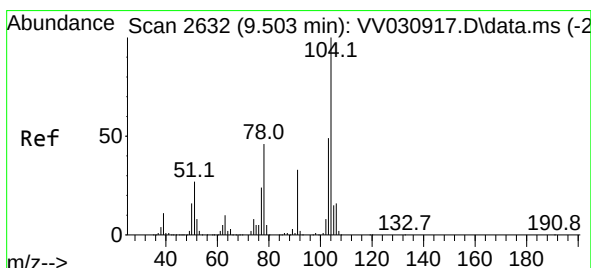
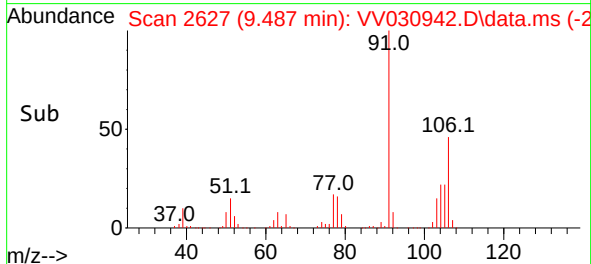
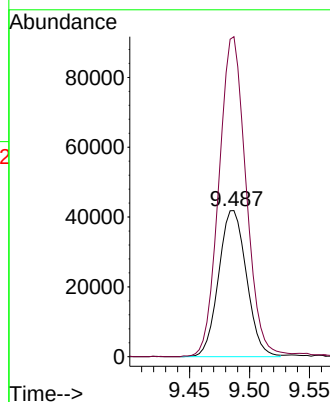
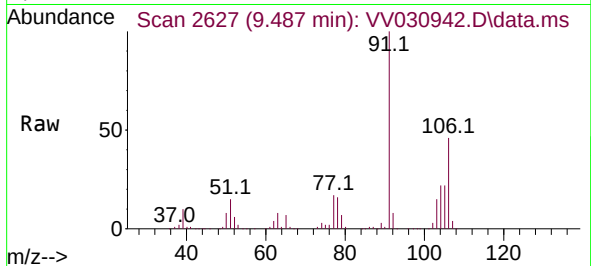




#54
o-Xylene
Concen: 4.649 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030942.D
Acq: 28 Apr 2023 23:52

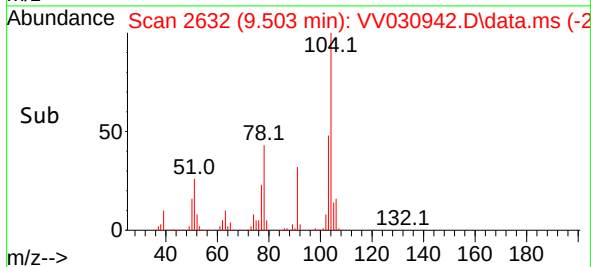
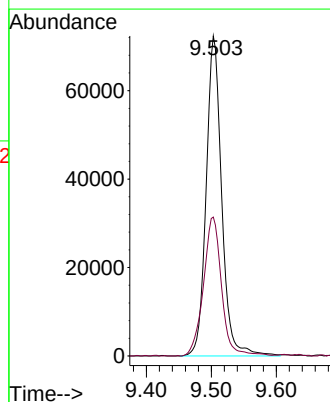
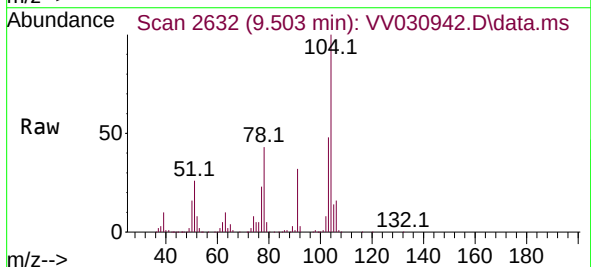
Instrument :
MSVOA_V
ClientSampleId :
VSTD005337

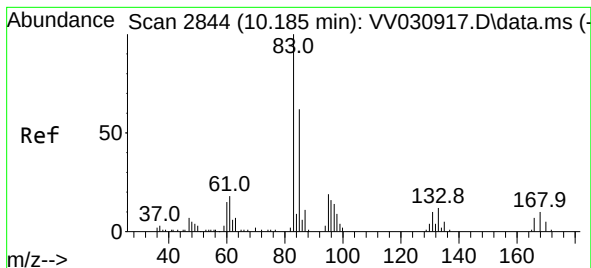
Tgt Ion:106 Resp: 67525
Ion Ratio Lower Upper
106 100
91 219.1 145.1 269.5



#55
Styrene
Concen: 4.926 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV030942.D
Acq: 28 Apr 2023 23:52

Tgt Ion:104 Resp: 120729
Ion Ratio Lower Upper
104 100
78 43.4 31.4 58.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.020 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VV030942.D

Acq: 28 Apr 2023 23:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD005337

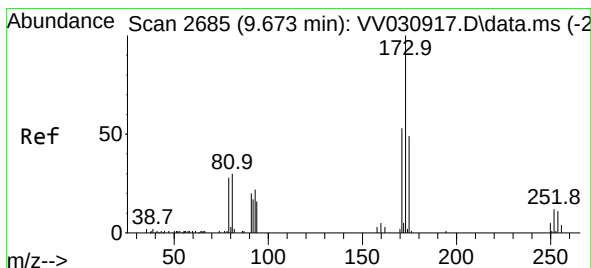
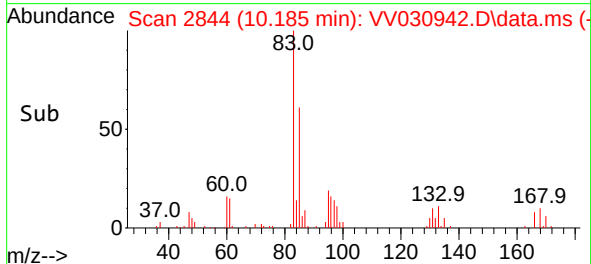
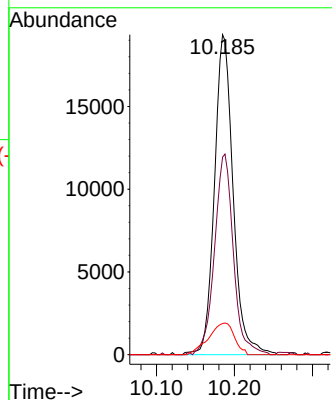
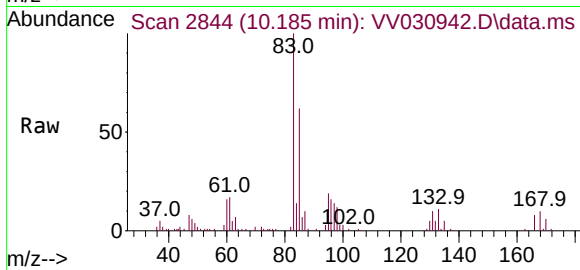
Tgt Ion: 83 Resp: 32176

Ion Ratio Lower Upper

83 100

85 61.8 45.2 84.0

131 9.7 8.3 12.5



#59

Bromoform

Concen: 5.097 ug/L

RT: 9.673 min Scan# 2685

Delta R.T. -0.000 min

Lab File: VV030942.D

Acq: 28 Apr 2023 23:52

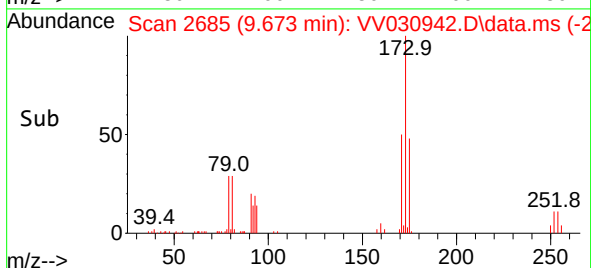
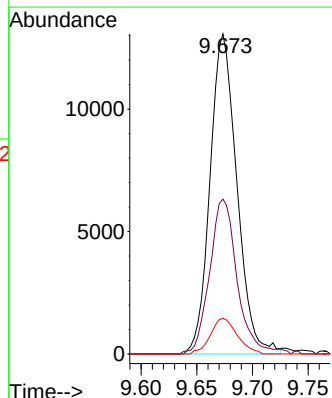
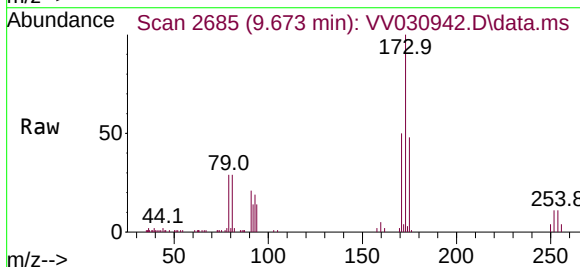
Tgt Ion: 173 Resp: 21942

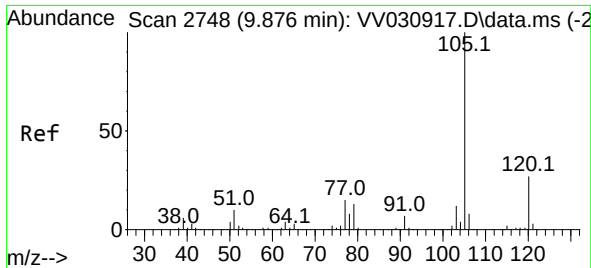
Ion Ratio Lower Upper

173 100

175 49.5 39.9 59.9

254 11.1 9.7 14.5

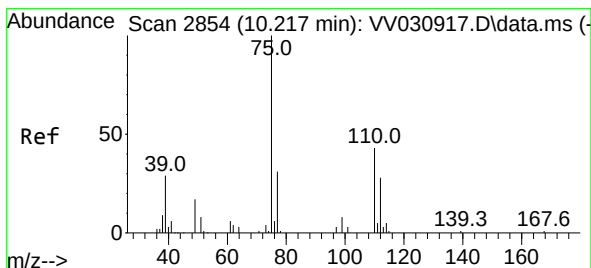
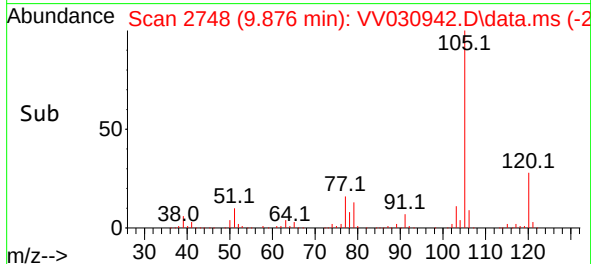
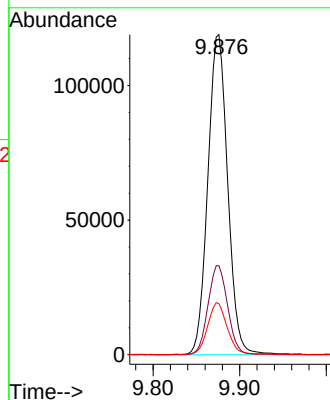
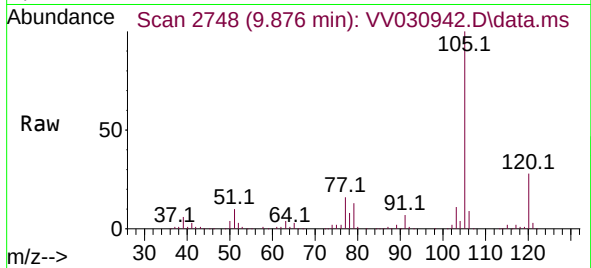




#60
Isopropylbenzene
Concen: 4.800 ug/L
RT: 9.876 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030942.D
Acq: 28 Apr 2023 23:52

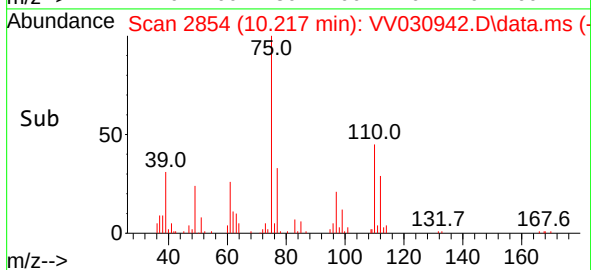
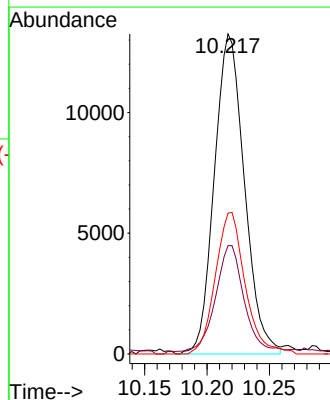
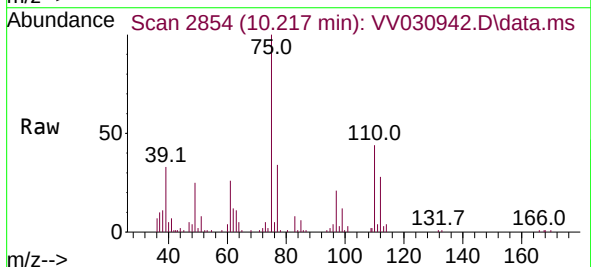
Instrument :
MSVOA_V
ClientSampleId :
VSTD005337

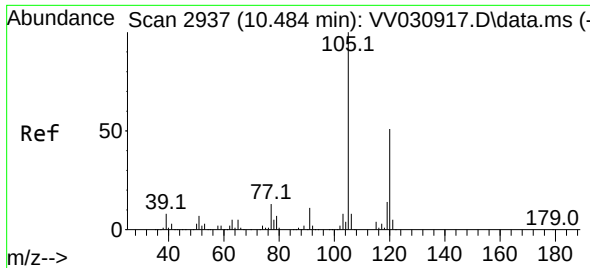
Tgt Ion:105 Resp: 189267
Ion Ratio Lower Upper
105 100
120 27.5 22.2 33.4
77 15.8 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 4.841 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.000 min
Lab File: VV030942.D
Acq: 28 Apr 2023 23:52

Tgt Ion: 75 Resp: 22240
Ion Ratio Lower Upper
75 100
77 33.7 25.3 37.9
110 43.8 34.0 51.0

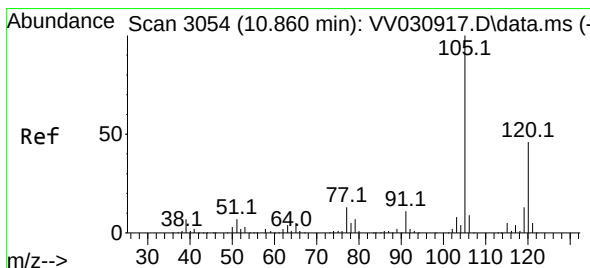
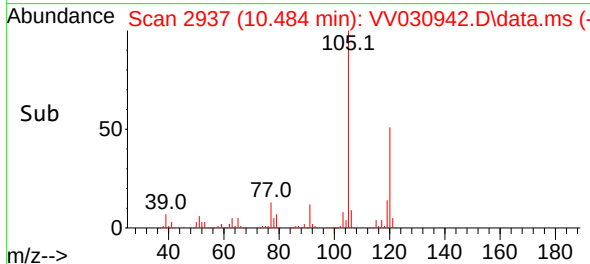
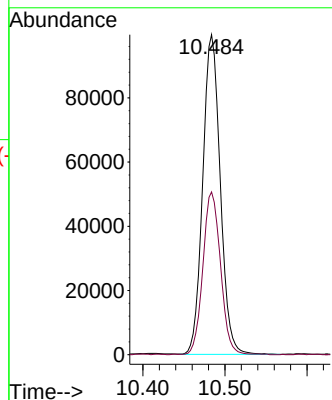
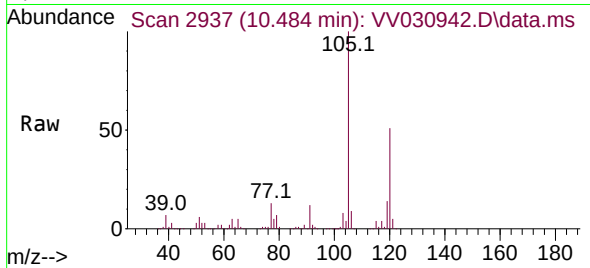




#62
 1,3,5-Trimethylbenzene
 Concen: 4.598 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. -0.000 min
 Lab File: VV030942.D
 Acq: 28 Apr 2023 23:52

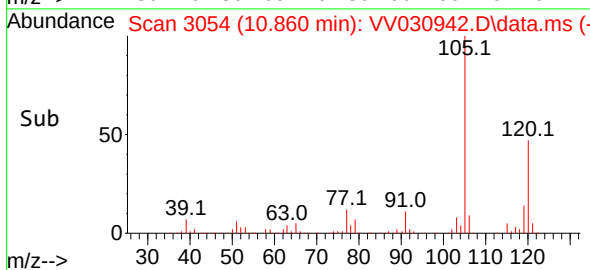
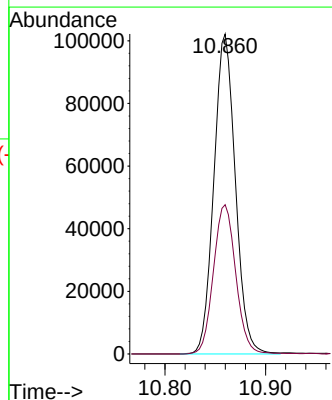
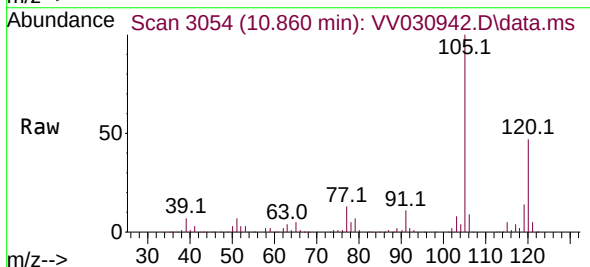
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005337

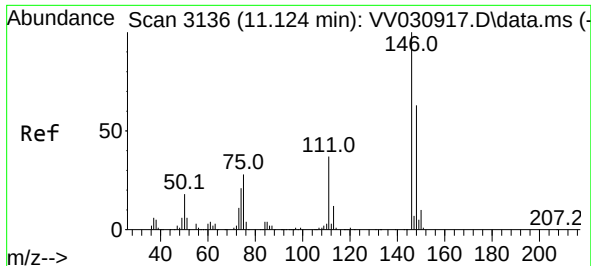
Tgt Ion:105 Resp: 147584
 Ion Ratio Lower Upper
 105 100
 120 51.3 40.2 60.4



#63
 1,2,4-Trimethylbenzene
 Concen: 4.669 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. -0.000 min
 Lab File: VV030942.D
 Acq: 28 Apr 2023 23:52

Tgt Ion:105 Resp: 151855
 Ion Ratio Lower Upper
 105 100
 120 48.5 37.9 56.9

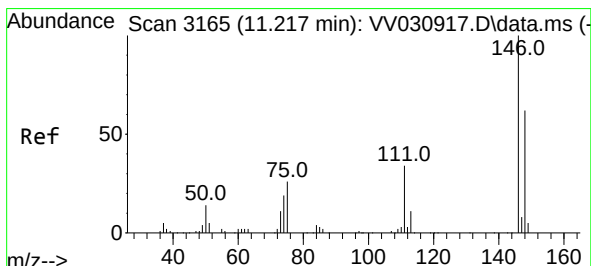
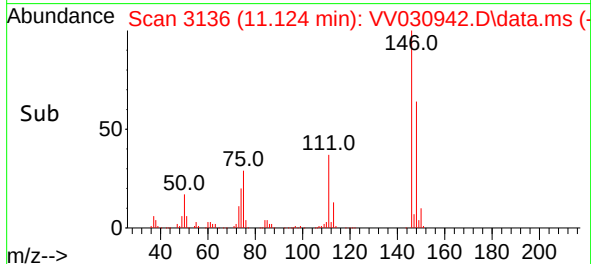
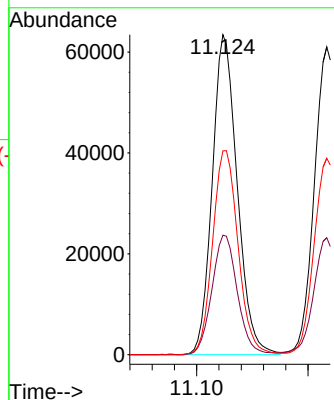
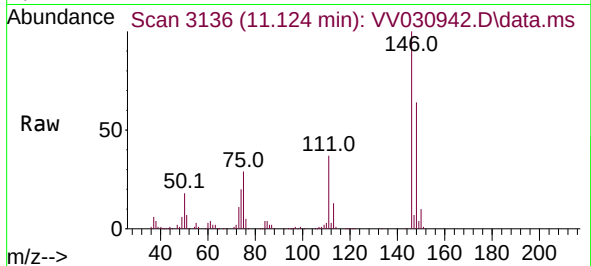




#64
1,3-Dichlorobenzene
Concen: 4.878 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. -0.000 min
Lab File: VV030942.D
Acq: 28 Apr 2023 23:52

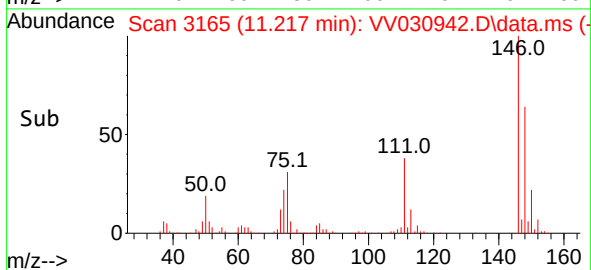
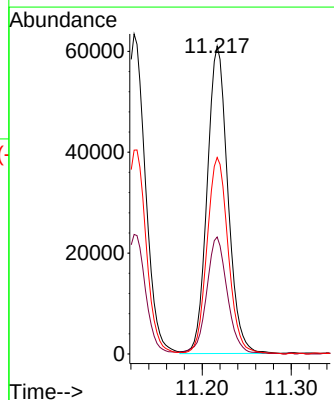
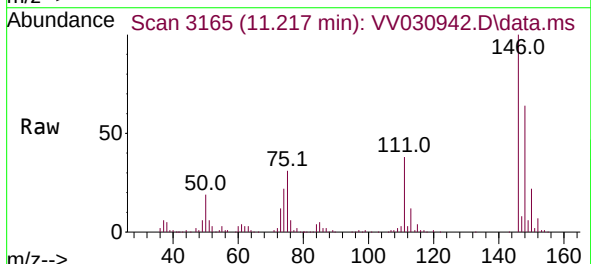
Instrument :
MSVOA_V
ClientSampleId :
VSTD005337

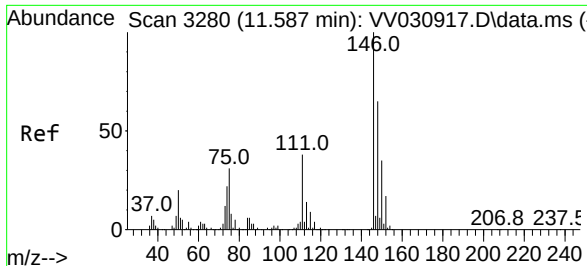
Tgt Ion:146 Resp: 98782
Ion Ratio Lower Upper
146 100
111 37.4 26.5 49.3
148 63.7 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 4.803 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030942.D
Acq: 28 Apr 2023 23:52

Tgt Ion:146 Resp: 98124
Ion Ratio Lower Upper
146 100
111 38.0 23.9 44.5
148 63.8 42.8 79.6

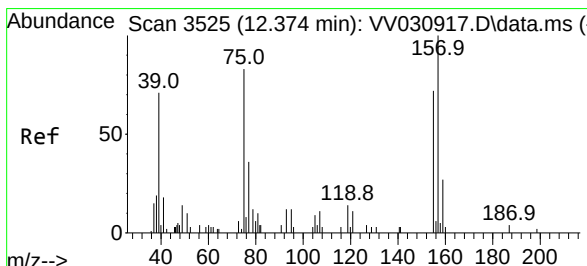
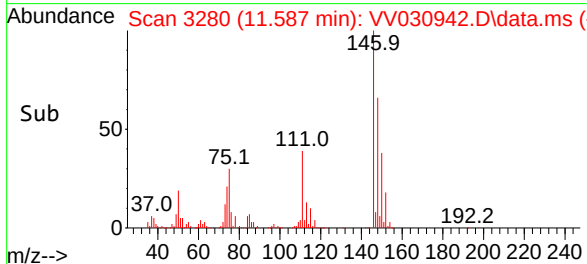
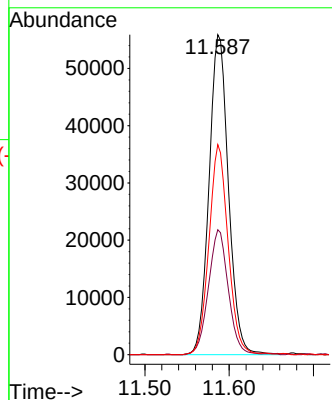
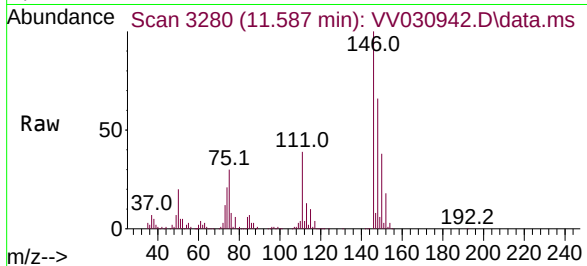




#67
1,2-Dichlorobenzene
Concen: 4.915 ug/L
RT: 11.587 min Scan# 3111
Delta R.T. -0.000 min
Lab File: VV030942.D
Acq: 28 Apr 2023 23:52

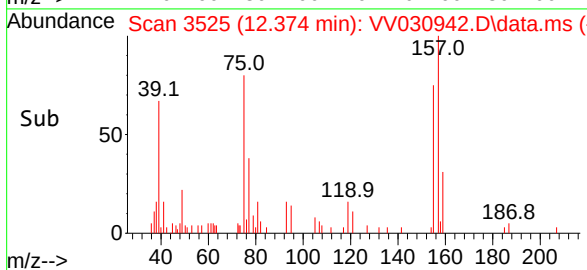
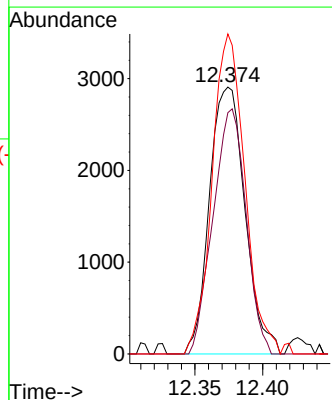
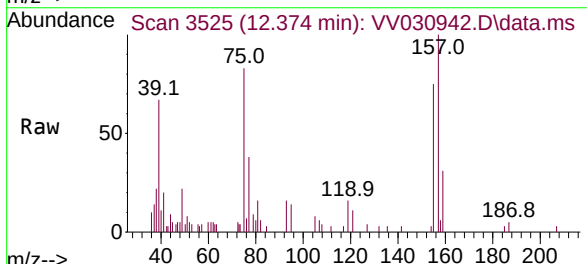
Instrument :
MSVOA_V
ClientSampleId :
VSTD005337

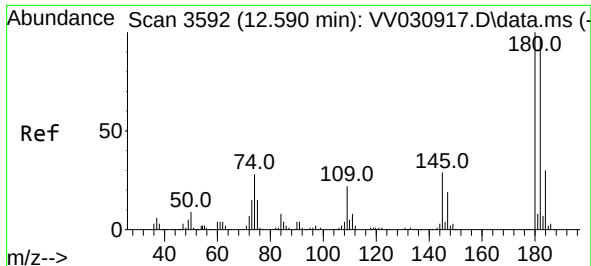
Tgt Ion:146 Resp: 89495
Ion Ratio Lower Upper
146 100
111 39.0 34.0 51.0
148 65.7 53.8 80.6



#68
1,2-Dibromo-3-chloropropane
Concen: 4.555 ug/L
RT: 12.374 min Scan# 3525
Delta R.T. -0.000 min
Lab File: VV030942.D
Acq: 28 Apr 2023 23:52

Tgt Ion: 75 Resp: 5311
Ion Ratio Lower Upper
75 100
155 90.4 56.2 84.4#
157 119.9 83.1 124.7

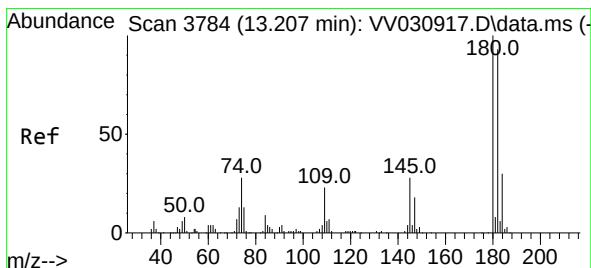
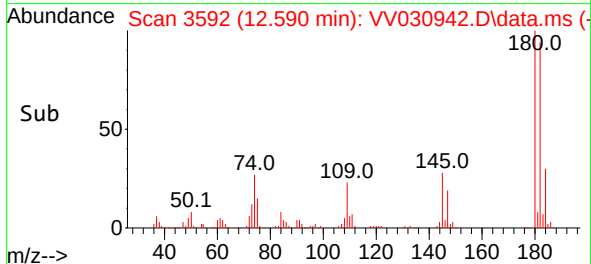
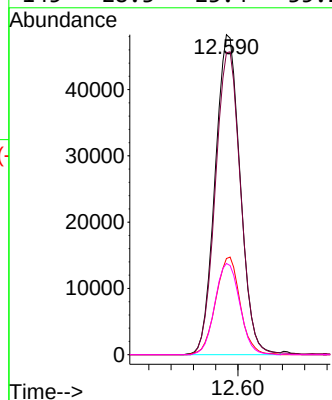
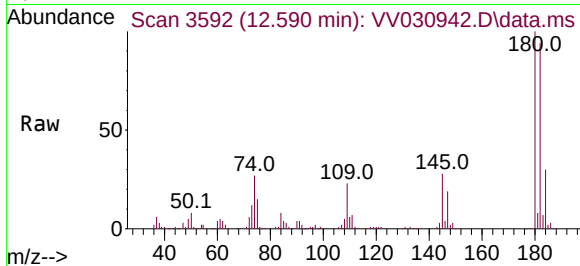




#69
1,3,5-Trichlorobenzene
Concen: 4.693 ug/L
RT: 12.590 min Scan# 3592
Delta R.T. -0.000 min
Lab File: VV030942.D
Acq: 28 Apr 2023 23:52

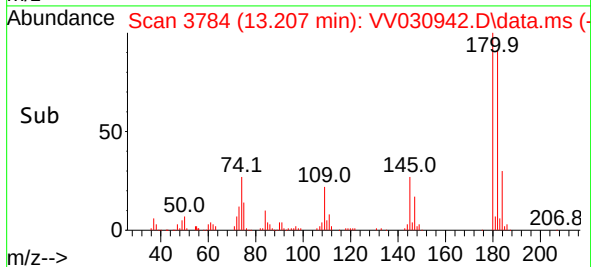
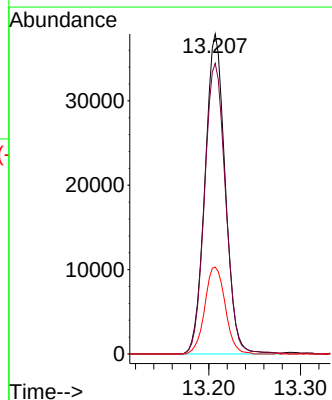
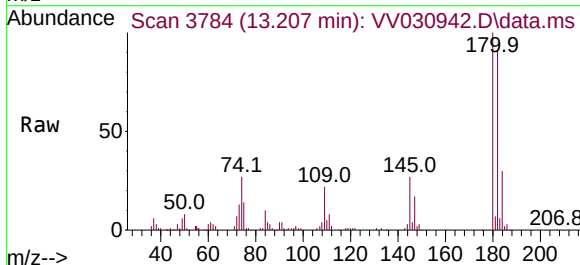
Instrument :
MSVOA_V
ClientSampleId :
VSTD005337

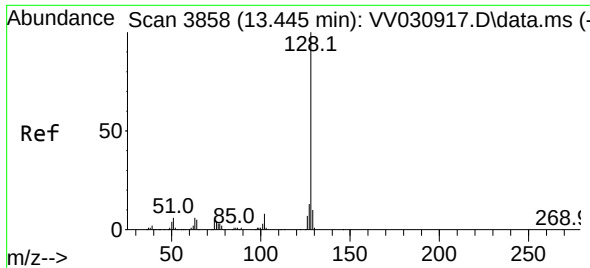
Tgt Ion:180	Resp:	75244
Ion Ratio	Lower	Upper
180	100	
182	95.6	75.1 112.7
184	29.8	24.1 36.1
145	28.3	23.4 35.2



#70
1,2,4-trichlorobenzene
Concen: 4.711 ug/L
RT: 13.207 min Scan# 3784
Delta R.T. -0.000 min
Lab File: VV030942.D
Acq: 28 Apr 2023 23:52

Tgt Ion:180	Resp:	58042
Ion Ratio	Lower	Upper
180	100	
182	94.4	76.0 114.0
145	27.5	22.9 34.3

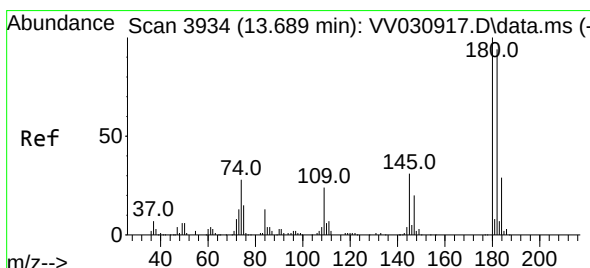
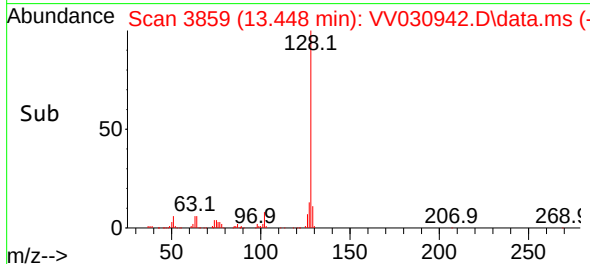
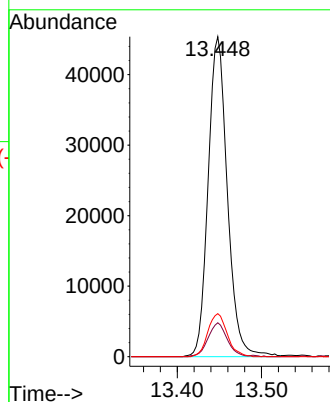
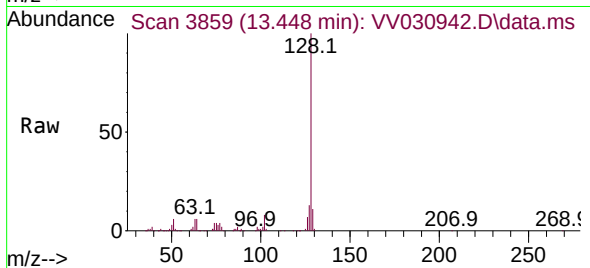




#71
Naphthalene
Concen: 4.076 ug/L
RT: 13.448 min Scan# 3858
Delta R.T. 0.003 min
Lab File: VV030942.D
Acq: 28 Apr 2023 23:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD005337

Tgt Ion:	128	Resp:	72011
Ion Ratio	Lower	Upper	
128	100		
129	10.5	8.6	13.0
127	13.6	10.6	16.0



#72
1,2,3-Trichlorobenzene
Concen: 4.574 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. -0.000 min
Lab File: VV030942.D
Acq: 28 Apr 2023 23:52

Tgt Ion:	180	Resp:	47706
Ion Ratio	Lower	Upper	
180	100		
182	95.8	77.3	115.9
145	30.3	24.7	37.1

