

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071323\
 Data File : VW031693.D
 Acq On : 13 Jul 2023 13:31
 Operator : SY/MD
 Sample : VSTD00161
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001261

Quant Time: Jul 14 05:40:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 14 05:39:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	163531	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	177539	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	82588	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	16253	1.122	ug/L	0.00
7) Chloroethane-d5	1.532	69	16176	1.232	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	8720	1.173	ug/L	0.00
20) 2-Butanone-d5	4.031	46	1071	0.289	ug/L	0.21
24) Chloroform-d	4.259	84	33921	1.100	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.957	65	17145	1.088	ug/L	0.00
32) Benzene-d6	4.969	84	49112	0.969	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.998	67	19215	1.023	ug/L	0.00
41) Toluene-d8	7.252	98	40751	0.875	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	5614	0.946	ug/L	0.00
46) 2-Hexanone-d5	8.040	63	20315	7.373	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.162	84	14142	1.026	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.570	152	14606	1.015	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	19614	1.104	ug/L	93
3) Chloromethane	1.217	50	19478	1.058	ug/L	97
5) Vinyl chloride	1.281	62	19700	1.120	ug/L	99
6) Bromomethane	1.487	94	12500	1.163	ug/L	76
8) Chloroethane	1.548	64	12784	1.253	ug/L	94
9) Trichlorofluoromethane	1.712	101	27740	1.093	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	15278	1.095	ug/L	98
12) 1,1-Dichloroethene	2.069	96	15033	1.178	ug/L	92
13) Acetone	2.150	43	18300	7.885	ug/L	85
14) Carbon disulfide	2.240	76	43420	1.096	ug/L	98
15) Methyl Acetate	2.397	43	5124	1.018	ug/L	94
16) Methylene chloride	2.449	84	18667	1.101	ug/L	85
17) Methyl tert-butyl Ether	2.712	73	22789	0.972	ug/L	94
18) trans-1,2-Dichloroethene	2.696	96	12230	1.109	ug/L	97
19) 1,1-Dichloroethane	3.114	63	24707	1.024	ug/L	91
21) 2-Butanone	3.876	43	439	0.143	ug/L	93
22) cis-1,2-Dichloroethene	3.825	96	10440	0.957	ug/L	93
23) Bromochloromethane	4.162	128	6188	1.127	ug/L	96
25) Chloroform	4.285	83	19324	0.814	ug/L	95
27) 1,2-Dichloroethane	5.056	62	15522	1.040	ug/L	99
29) 1,1,1-Trichloroethane	4.516	97	21953	1.024	ug/L	94
30) Cyclohexane	4.587	56	13924	0.893	ug/L #	89
31) Carbon tetrachloride	4.741	117	19659	1.039	ug/L	97
33) Benzene	5.018	78	41264	0.915	ug/L	100
34) Trichloroethene	5.841	95	13573	1.061	ug/L	92
35) Methylcyclohexane	6.059	83	13314	0.832	ug/L	93
37) 1,2-Dichloropropane	6.101	63	12683	0.980	ug/L #	95
38) Bromodichloromethane	6.442	83	17403	1.013	ug/L #	91
39) cis-1,3-Dichloropropene	6.966	75	14294	0.917	ug/L	94
40) 4-Methyl-2-pentanone	7.172	43	54290	7.846	ug/L	99
42) Toluene	7.326	91	36381	0.844	ug/L	93
44) trans-1,3-Dichloropropene	7.596	75	13508	0.961	ug/L	91

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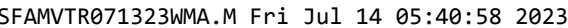
Quant Time: Jul 14 05:40:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 14 05:39:57 2023
 Response via : Initial Calibration

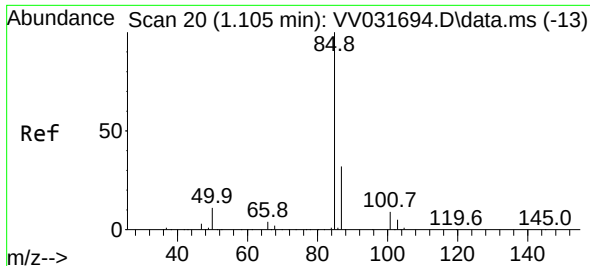
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.780	97	9847	1.024	ug/L	96
47) Tetrachloroethene	7.915	164	8451	0.957	ug/L	93
48) 2-Hexanone	8.091	43	38881	7.485	ug/L #	96
49) Dibromochloromethane	8.185	129	11191	1.083	ug/L	99
50) 1,2-Dibromoethane	8.294	107	9084	1.010	ug/L	92
51) Chlorobenzene	8.821	112	28408	0.989	ug/L	92
52) Ethylbenzene	8.953	91	35263	0.817	ug/L	98
53) m,p-Xylene	9.082	106	12113	0.759	ug/L	100
54) o-Xylene	9.487	106	12882	0.870	ug/L	84
55) Styrene	9.506	104	20297	0.727	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.185	83	10747	1.056	ug/L #	89
59) Bromoform	9.673	173	5972	1.083	ug/L	98
60) Isopropylbenzene	9.873	105	33300	0.910	ug/L	97
61) 1,2,3-Trichloropropane	10.220	75	8286	1.129	ug/L	95
62) 1,3,5-Trimethylbenzene	10.484	105	26460	0.896	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	26096	0.886	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	19498	0.989	ug/L	94
65) 1,4-Dichlorobenzene	11.220	146	21087	1.010	ug/L	95
67) 1,2-Dichlorobenzene	11.587	146	17977	0.951	ug/L	91
68) 1,2-Dibromo-3-chloropr...	12.377	75	1867	1.238	ug/L #	82
69) 1,3,5-Trichlorobenzene	12.590	180	14810	1.027	ug/L	98
70) 1,2,4-trichlorobenzene	13.210	180	11671	1.021	ug/L	97
71) Naphthalene	13.448	128	17291	0.938	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	10519	0.997	ug/L	97

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

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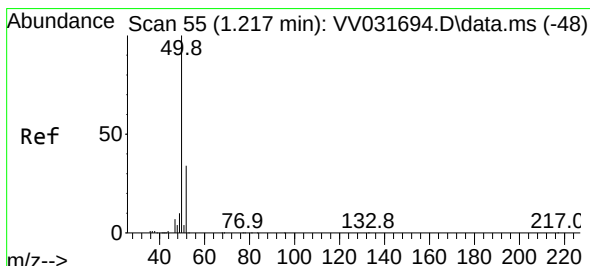
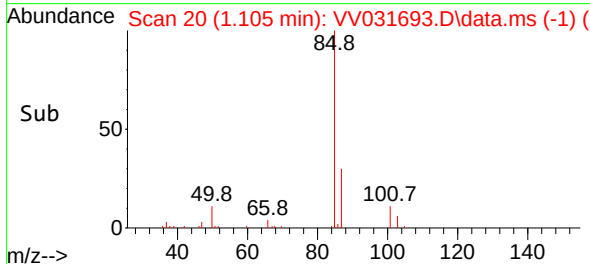
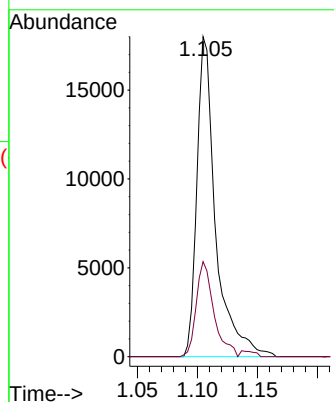
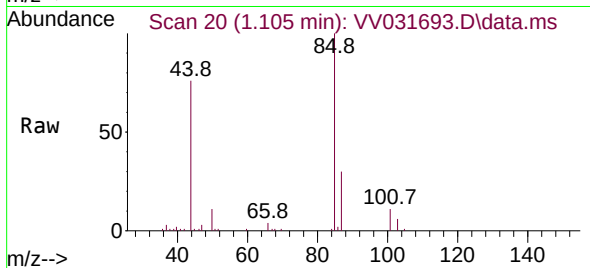




#2
 Dichlorodifluoromethane
 Concen: 1.104 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV031693.D
 Acq: 13 Jul 2023 13:31

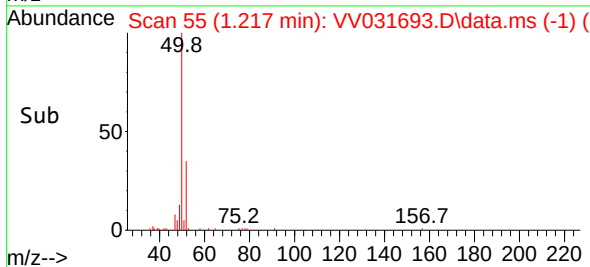
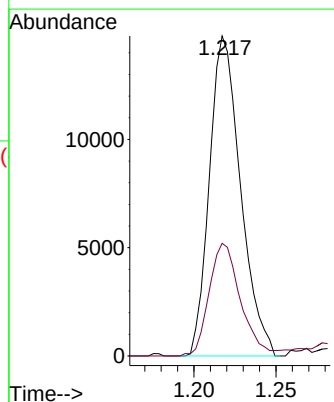
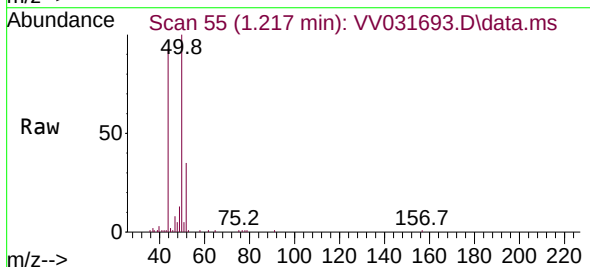
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001261

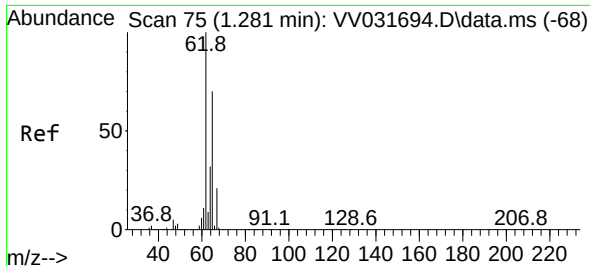
Tgt Ion: 85 Resp: 19614
 Ion Ratio Lower Upper
 85 100
 87 27.9 25.5 38.3



#3
 Chloromethane
 Concen: 1.058 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031693.D
 Acq: 13 Jul 2023 13:31

Tgt Ion: 50 Resp: 19478
 Ion Ratio Lower Upper
 50 100
 52 35.2 23.5 43.7

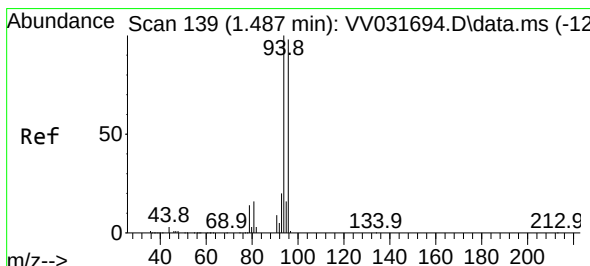
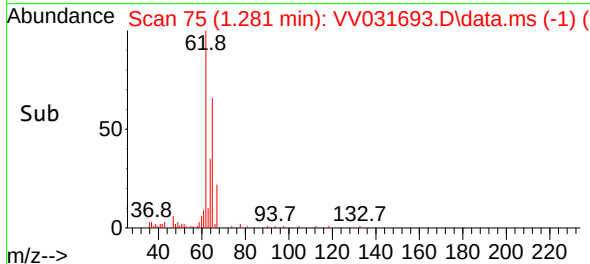
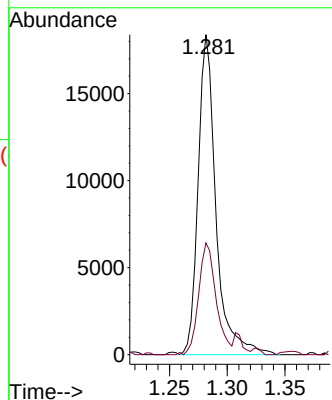
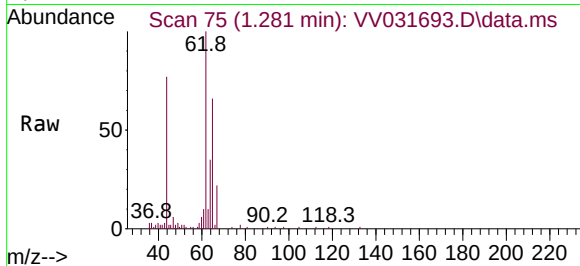




#5
 Vinyl chloride
 Concen: 1.120 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV031693.D
 Acq: 13 Jul 2023 13:31

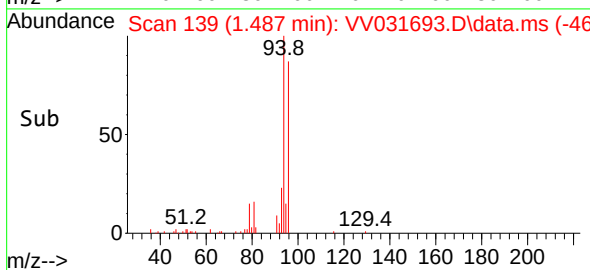
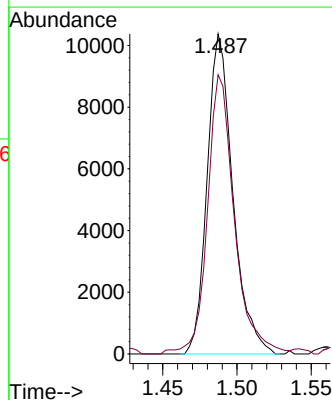
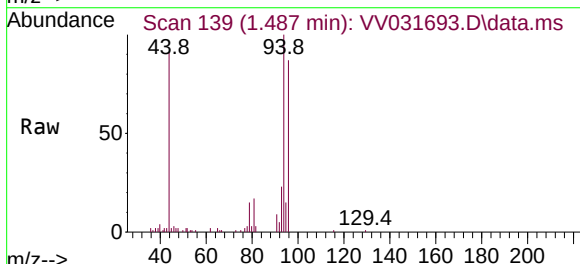
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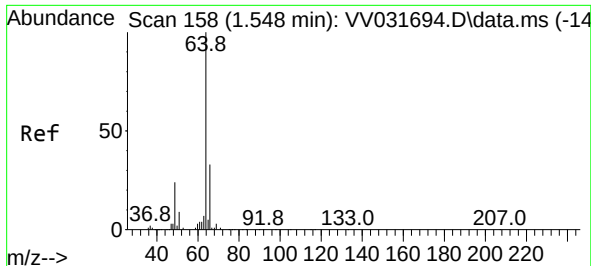
Tgt Ion: 62 Resp: 19700
 Ion Ratio Lower Upper
 62 100
 64 101.1 71.7 133.1



#6
 Bromomethane
 Concen: 1.163 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.000 min
 Lab File: VV031693.D
 Acq: 13 Jul 2023 13:31

Tgt Ion: 94 Resp: 12500
 Ion Ratio Lower Upper
 94 100
 96 75.7 69.4 128.8

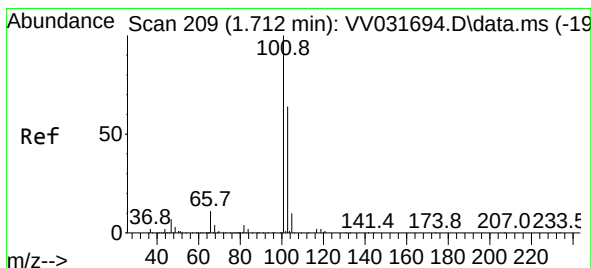
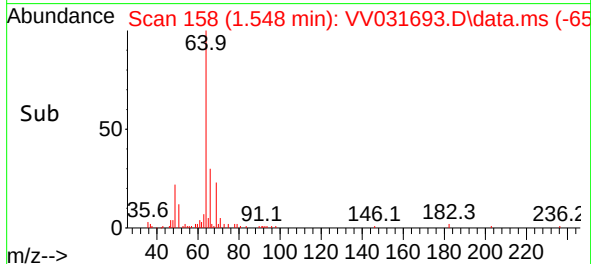
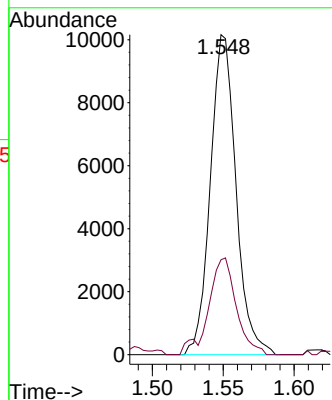
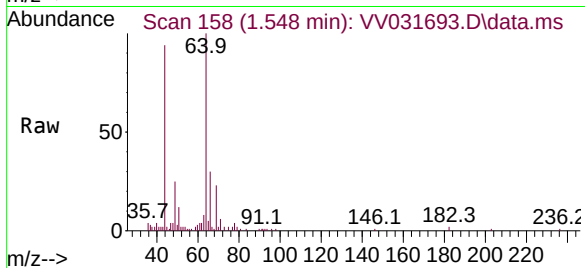




#8
Chloroethane
Concen: 1.253 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV031693.D
Acq: 13 Jul 2023 13:31

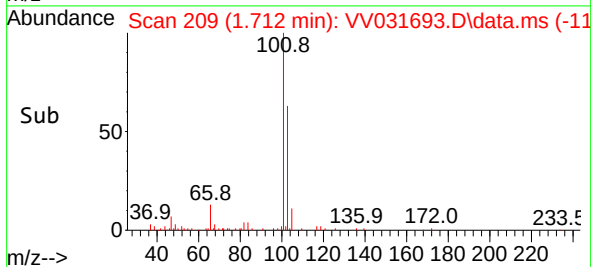
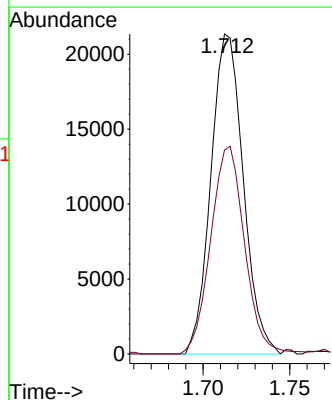
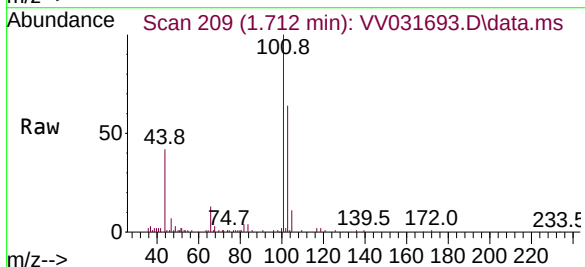
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ClientSampleId :
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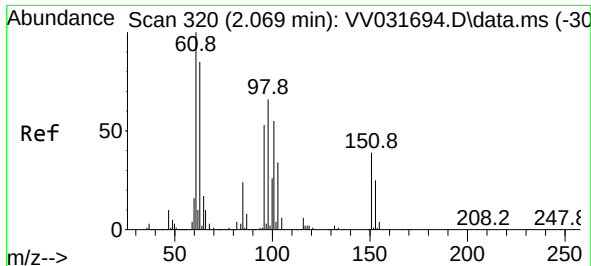
Tgt Ion: 64 Resp: 12784
Ion Ratio Lower Upper
64 100
66 29.7 23.0 42.6



#9
Trichlorofluoromethane
Concen: 1.093 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV031693.D
Acq: 13 Jul 2023 13:31

Tgt Ion: 101 Resp: 27740
Ion Ratio Lower Upper
101 100
103 67.9 51.0 76.6





#10

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

Concen: 1.095 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031693.D

Acq: 13 Jul 2023 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD001261

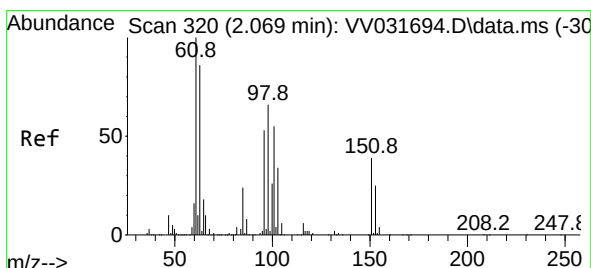
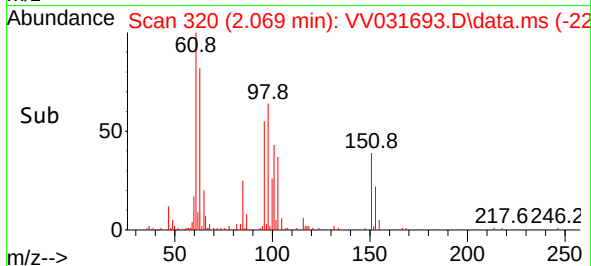
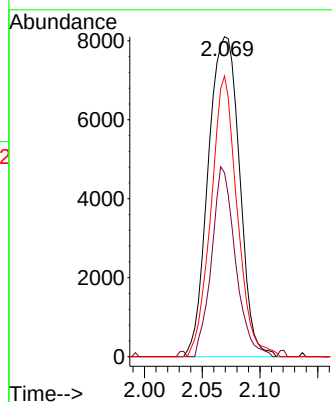
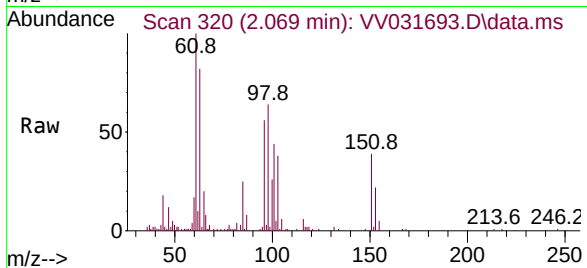
Tgt Ion:101 Resp: 15278

Ion Ratio Lower Upper

101 100

85 45.1 36.2 54.2

151 73.5 56.6 84.8



#12

1,1-Dichloroethene

Concen: 1.178 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV031693.D

Acq: 13 Jul 2023 13:31

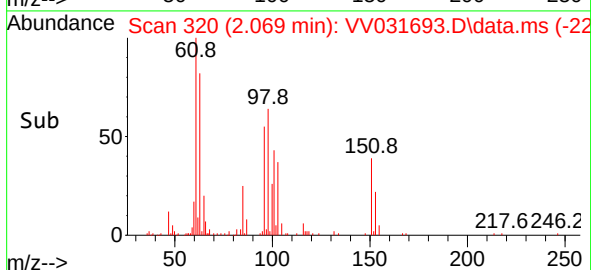
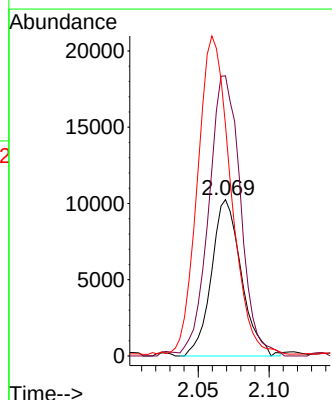
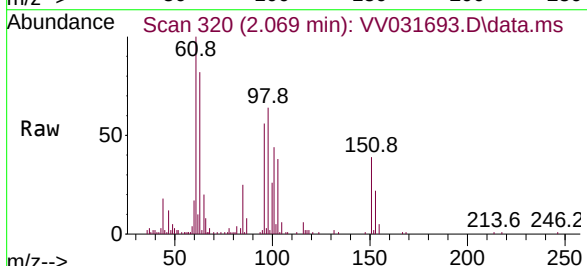
Tgt Ion: 96 Resp: 15033

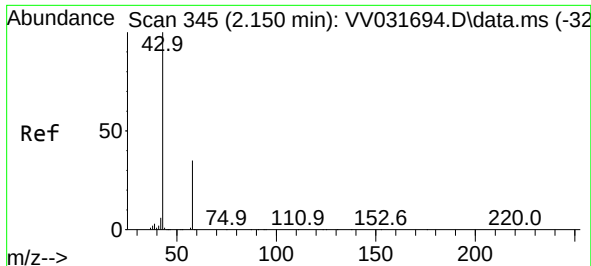
Ion Ratio Lower Upper

96 100

61 179.2 131.3 243.9

63 147.7 112.6 209.2





#13

Acetone

Concen: 7.885 ug/L

RT: 2.150 min Scan# 345

Delta R.T. -0.000 min

Lab File: VV031693.D

Acq: 13 Jul 2023 13:31

Instrument :

MSVOA_V

ClientSampleId :

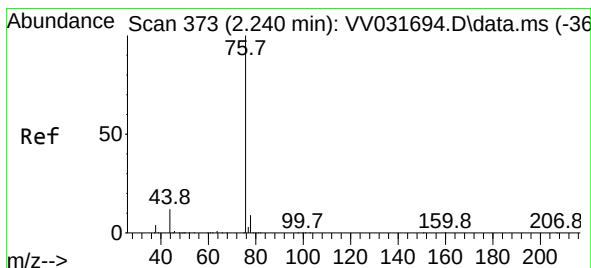
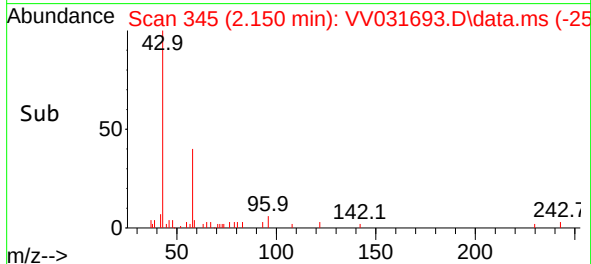
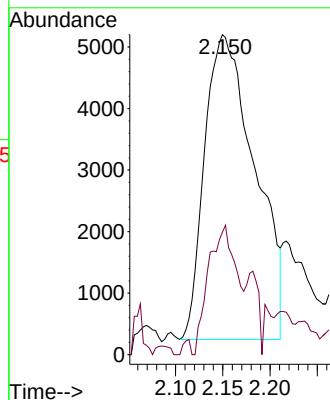
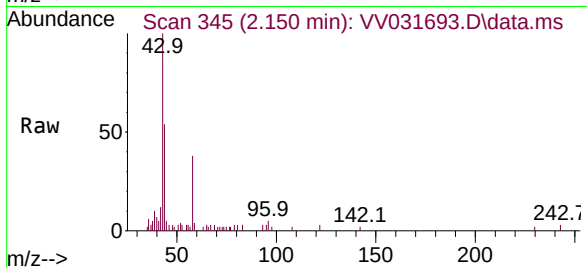
VSTD001261

Tgt Ion: 43 Resp: 18300

Ion Ratio Lower Upper

43 100

58 23.8 0.0 64.6



#14

Carbon disulfide

Concen: 1.096 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV031693.D

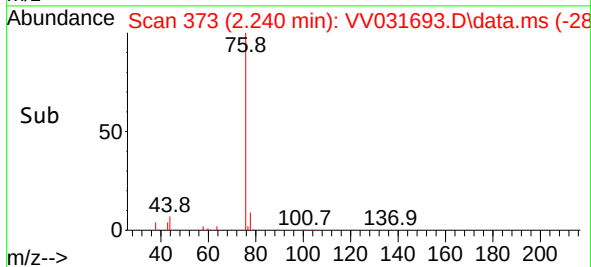
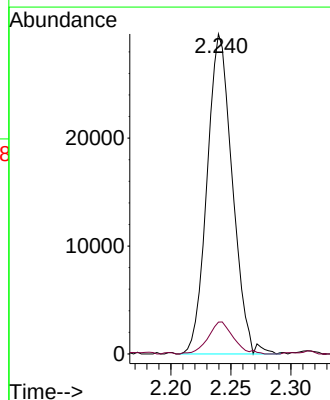
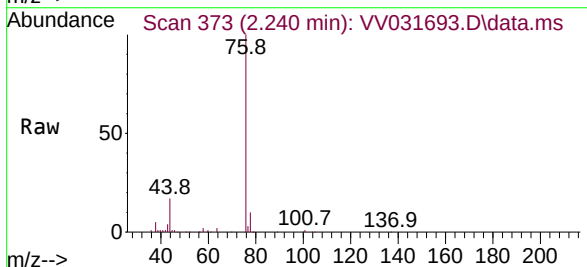
Acq: 13 Jul 2023 13:31

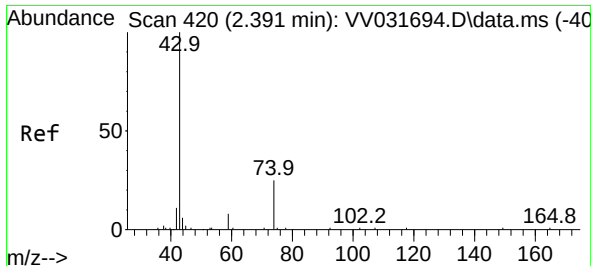
Tgt Ion: 76 Resp: 43420

Ion Ratio Lower Upper

76 100

78 10.0 7.4 11.2

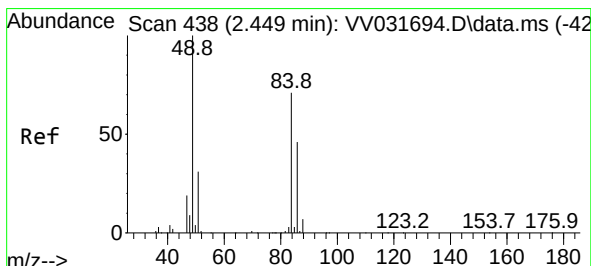
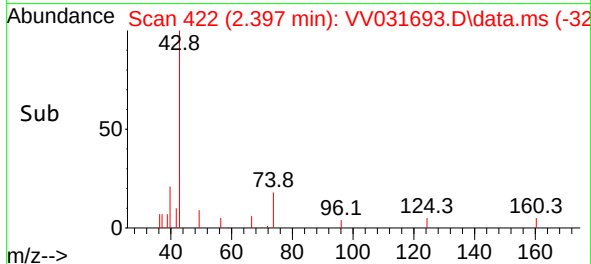
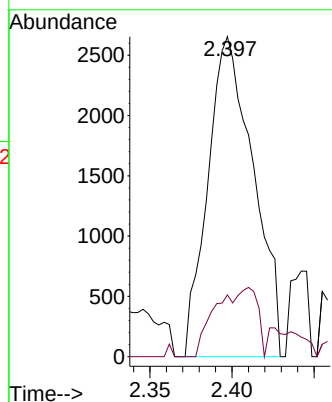
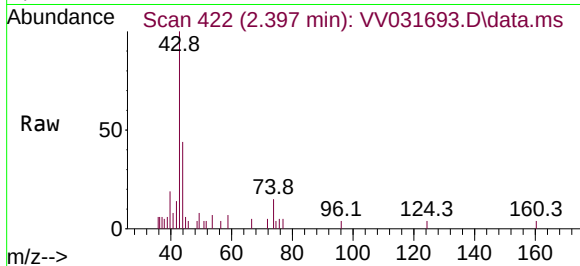




#15
Methyl Acetate
Concen: 1.018 ug/L
RT: 2.397 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV031693.D
Acq: 13 Jul 2023 13:31

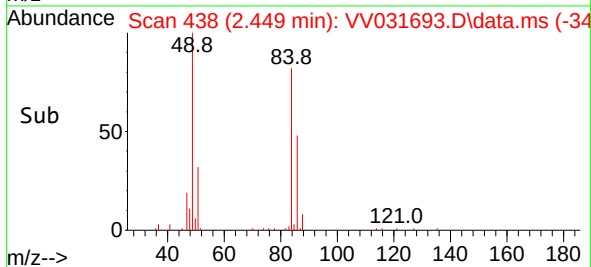
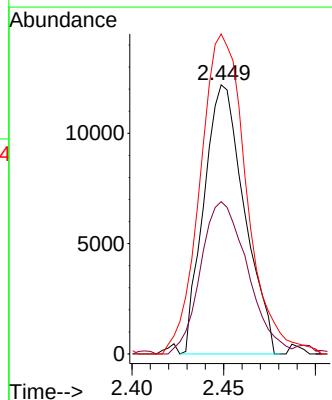
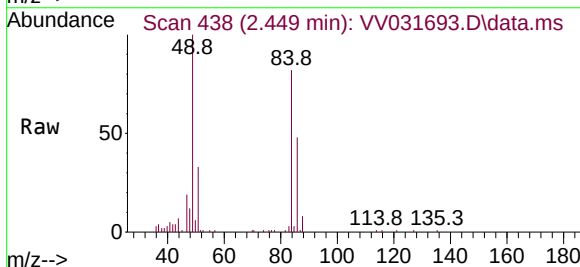
Instrument :
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ClientSampleId :
VSTD001261

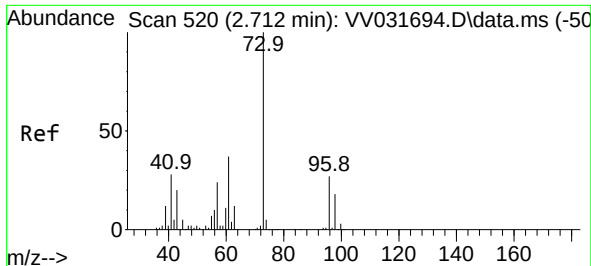
Tgt Ion: 43 Resp: 5124
Ion Ratio Lower Upper
43 100
74 19.8 18.0 27.0



#16
Methylene chloride
Concen: 1.101 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.000 min
Lab File: VV031693.D
Acq: 13 Jul 2023 13:31

Tgt Ion: 84 Resp: 18667
Ion Ratio Lower Upper
84 100
86 56.6 46.3 86.1
49 125.5 101.8 189.0





#17

Methyl tert-butyl Ether

Concen: 0.972 ug/L

RT: 2.712 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV031693.D

Acq: 13 Jul 2023 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD001261

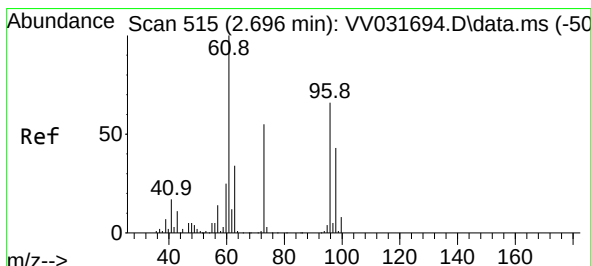
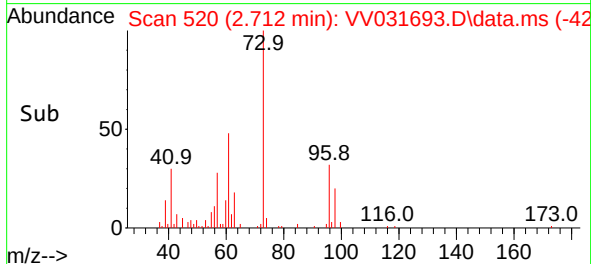
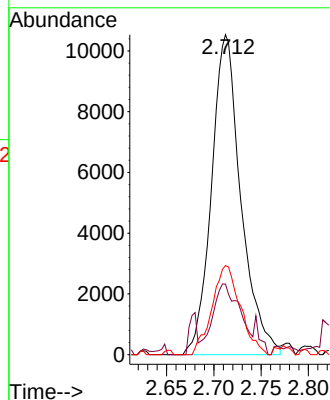
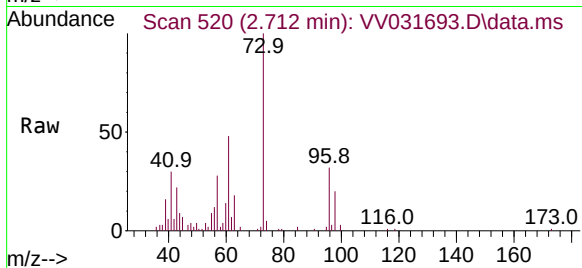
Tgt Ion: 73 Resp: 22789

Ion Ratio Lower Upper

73 100

43 19.5 18.1 27.1

57 26.8 19.6 29.4



#18

trans-1,2-Dichloroethene

Concen: 1.109 ug/L

RT: 2.696 min Scan# 515

Delta R.T. -0.000 min

Lab File: VV031693.D

Acq: 13 Jul 2023 13:31

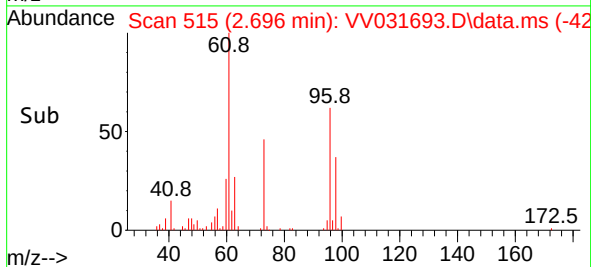
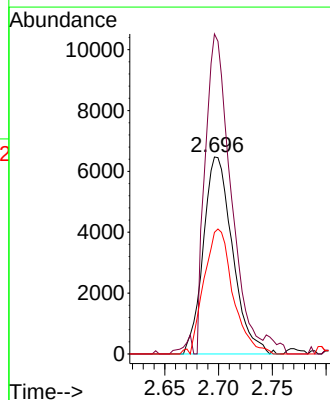
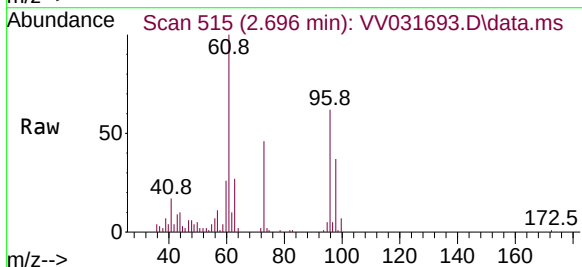
Tgt Ion: 96 Resp: 12230

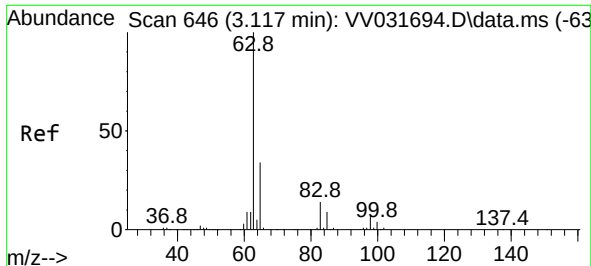
Ion Ratio Lower Upper

96 100

61 151.0 105.5 195.9

98 57.4 45.4 84.2





#19

1,1-Dichloroethane

Concen: 1.024 ug/L

RT: 3.114 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV031693.D

Acq: 13 Jul 2023 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD001261

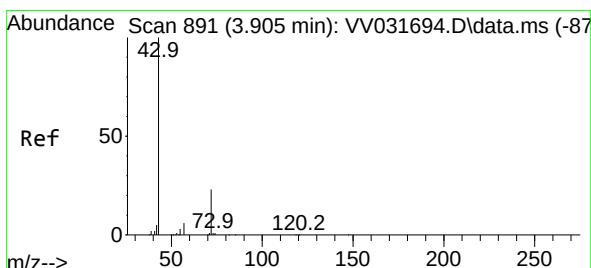
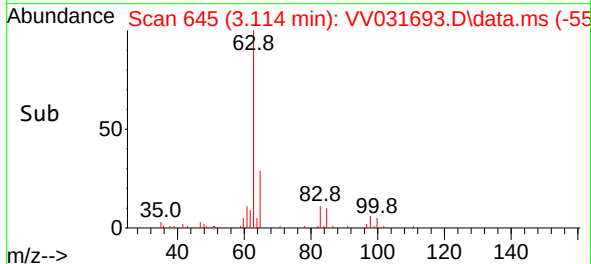
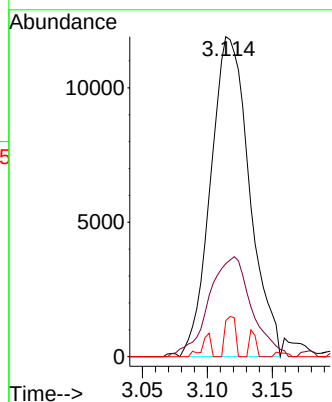
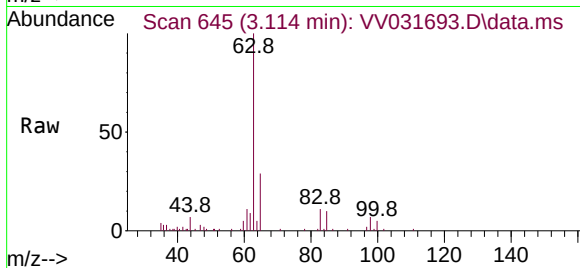
Tgt Ion: 63 Resp: 24707

Ion Ratio Lower Upper

63 100

65 27.7 23.4 43.6

83 10.7 9.4 17.4



#21

2-Butanone

Concen: 0.143 ug/L

RT: 3.876 min Scan# 882

Delta R.T. -0.029 min

Lab File: VV031693.D

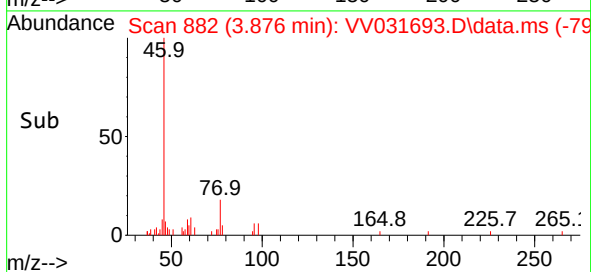
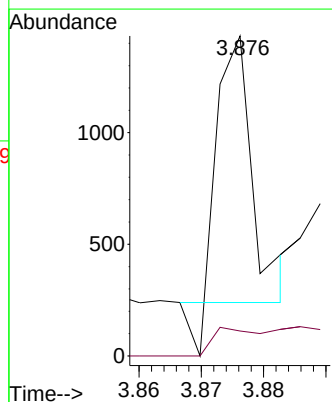
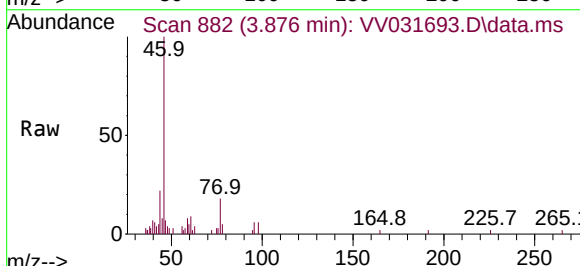
Acq: 13 Jul 2023 13:31

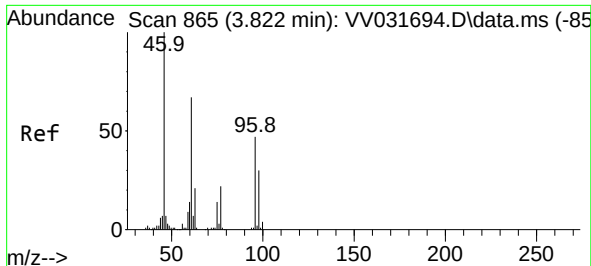
Tgt Ion: 43 Resp: 439

Ion Ratio Lower Upper

43 100

72 15.0 9.2 27.4

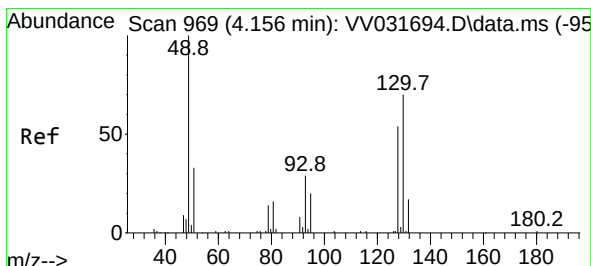
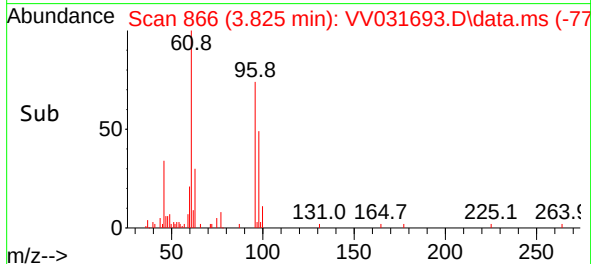
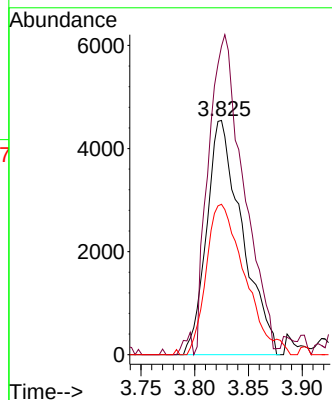
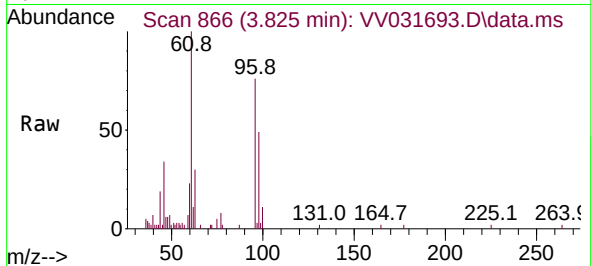




#22
 cis-1,2-Dichloroethene
 Concen: 0.957 ug/L
 RT: 3.825 min Scan# 865
 Delta R.T. 0.003 min
 Lab File: VV031693.D
 Acq: 13 Jul 2023 13:31

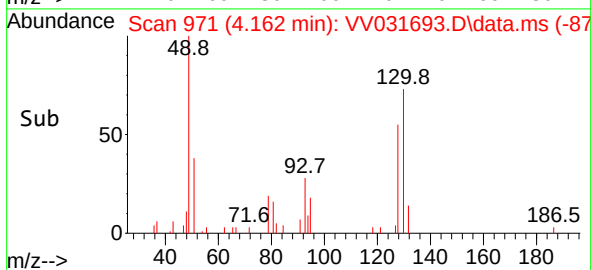
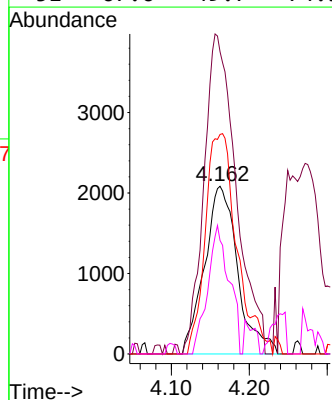
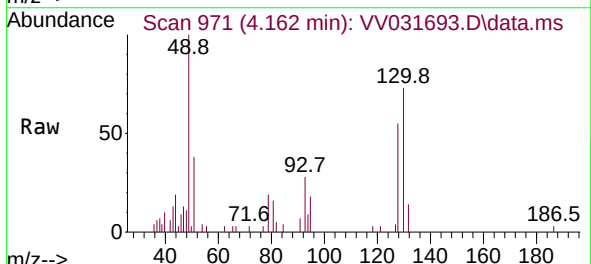
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001261

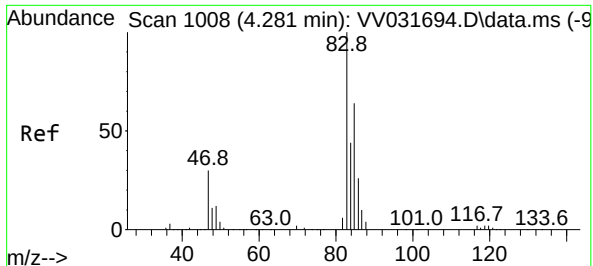
Tgt Ion: 96 Resp: 10440
 Ion Ratio Lower Upper
 96 100
 61 131.7 99.4 184.6
 98 67.6 45.1 83.7



#23
 Bromochloromethane
 Concen: 1.127 ug/L
 RT: 4.162 min Scan# 971
 Delta R.T. 0.006 min
 Lab File: VV031693.D
 Acq: 13 Jul 2023 13:31

Tgt Ion: 128 Resp: 6188
 Ion Ratio Lower Upper
 128 100
 49 185.5 136.1 252.7
 130 131.0 91.3 169.5
 51 67.6 49.7 74.5





#25

Chloroform

Concen: 0.814 ug/L

RT: 4.285 min Scan# 1008

Delta R.T. 0.003 min

Lab File: VV031693.D

Acq: 13 Jul 2023 13:31

Instrument :

MSVOA_V

ClientSampleId :

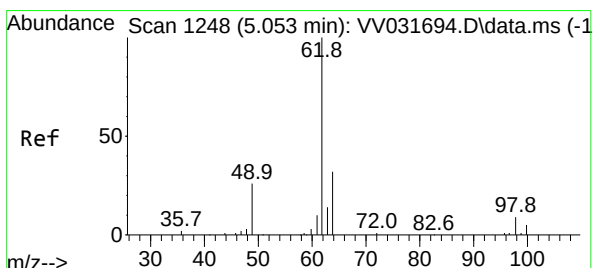
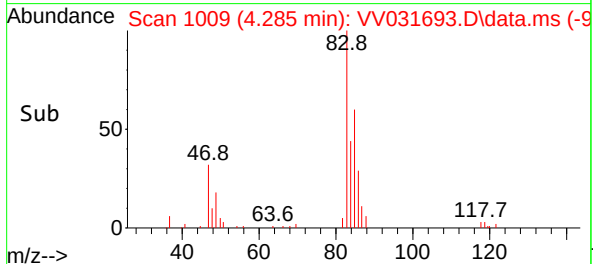
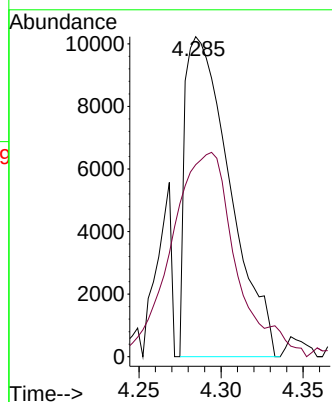
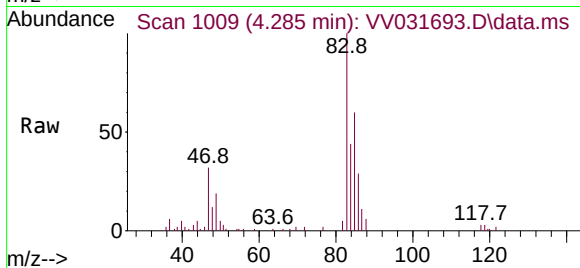
VSTD001261

Tgt Ion: 83 Resp: 19324

Ion Ratio Lower Upper

83 100

85 60.0 44.9 83.5



#27

1,2-Dichloroethane

Concen: 1.040 ug/L

RT: 5.056 min Scan# 1249

Delta R.T. 0.003 min

Lab File: VV031693.D

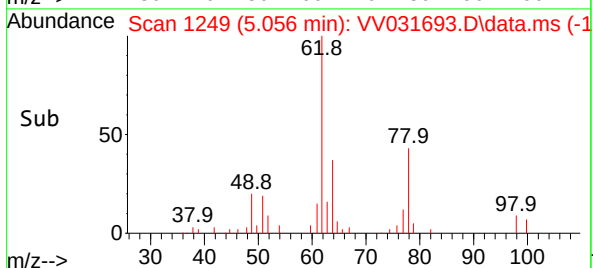
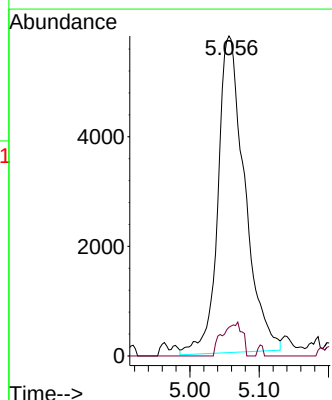
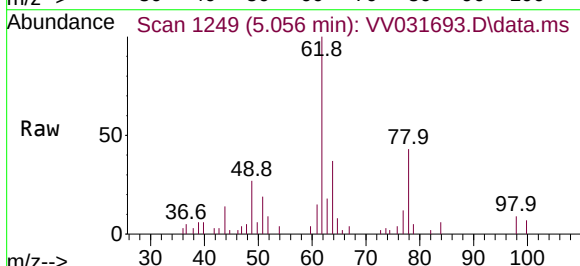
Acq: 13 Jul 2023 13:31

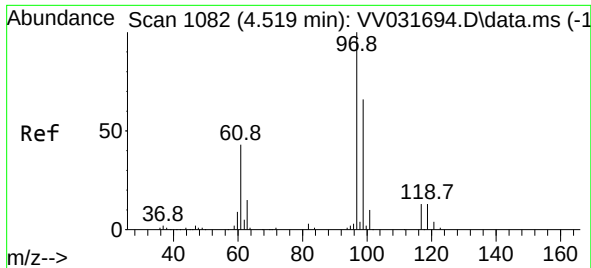
Tgt Ion: 62 Resp: 15522

Ion Ratio Lower Upper

62 100

98 9.0 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 1.024 ug/L

RT: 4.516 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VV031693.D

Acq: 13 Jul 2023 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD001261

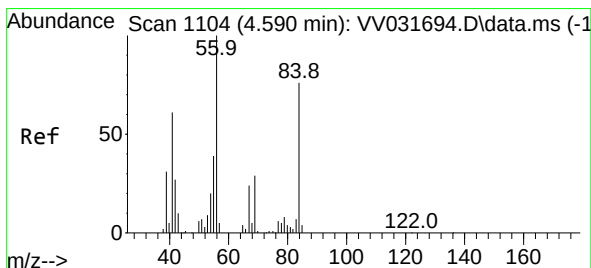
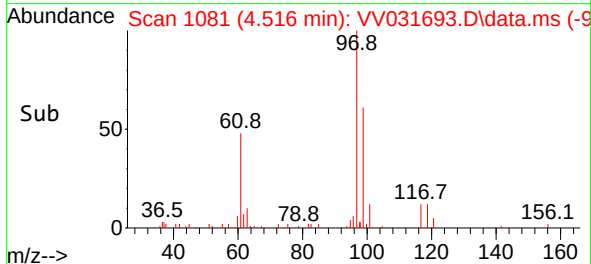
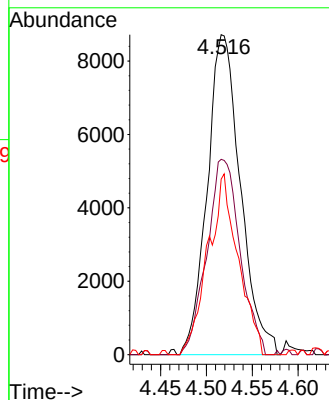
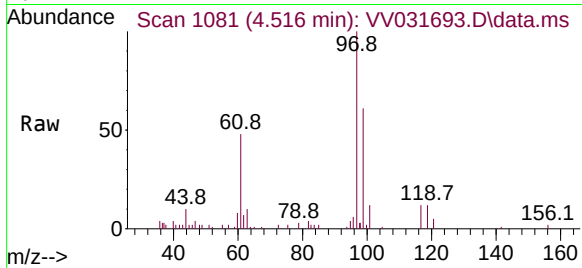
Tgt Ion: 97 Resp: 21953

Ion Ratio Lower Upper

97 100

99 61.1 50.4 75.6

61 51.6 35.6 53.4



#30

Cyclohexane

Concen: 0.893 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VV031693.D

Acq: 13 Jul 2023 13:31

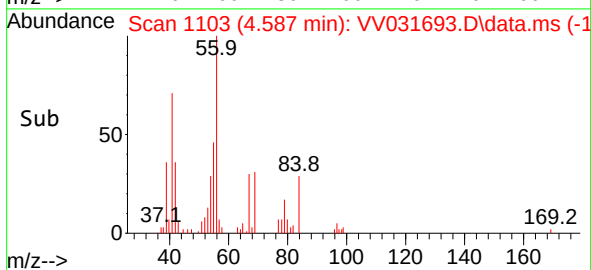
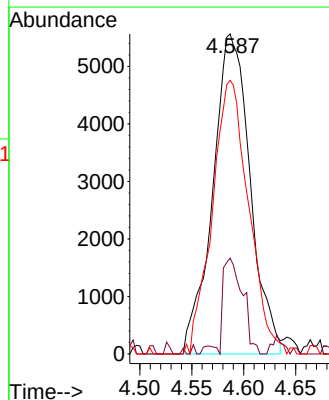
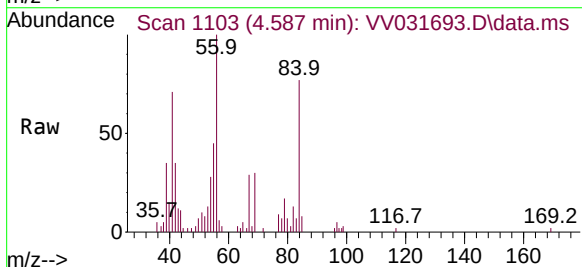
Tgt Ion: 56 Resp: 13924

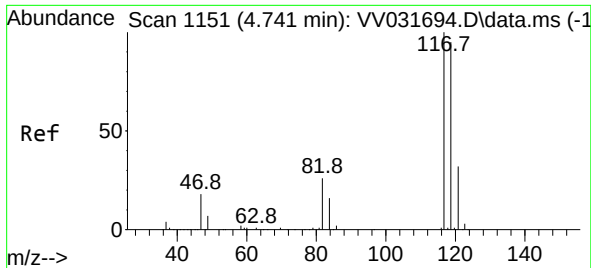
Ion Ratio Lower Upper

56 100

69 15.7 22.9 34.3#

84 83.2 62.7 94.1

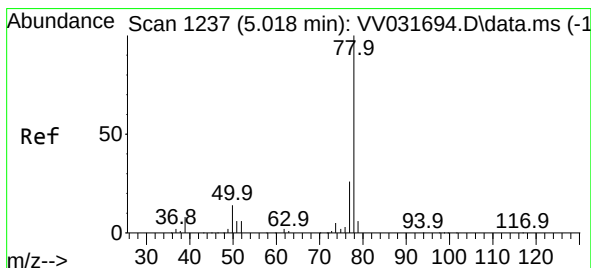
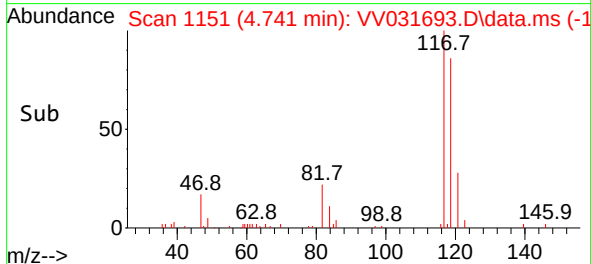
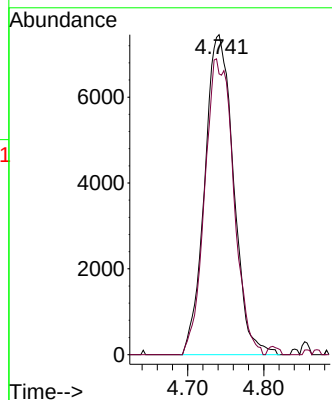
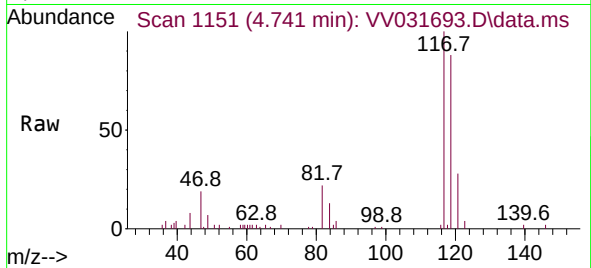




#31
Carbon tetrachloride
Concen: 1.039 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. -0.000 min
Lab File: VV031693.D
Acq: 13 Jul 2023 13:31

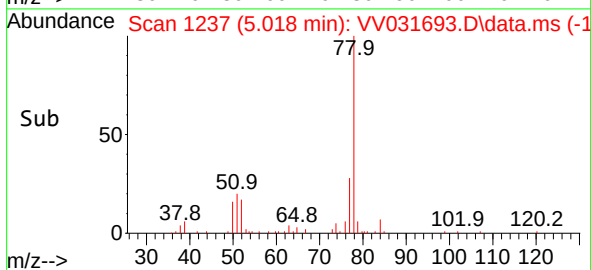
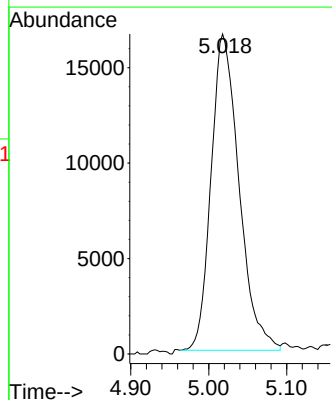
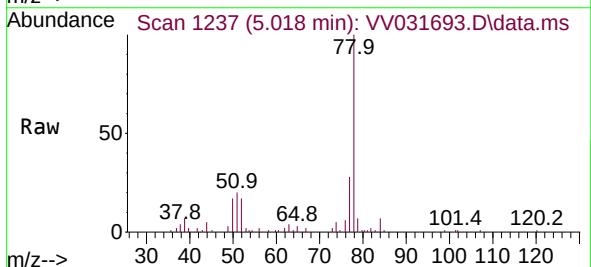
Instrument :
MSVOA_V
ClientSampleId :
VSTD001261

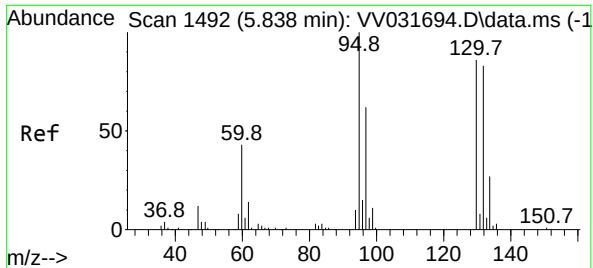
Tgt Ion:117 Resp: 19659
Ion Ratio Lower Upper
117 100
119 92.6 76.1 114.1



#33
Benzene
Concen: 0.915 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.000 min
Lab File: VV031693.D
Acq: 13 Jul 2023 13:31

Tgt Ion: 78 Resp: 41264



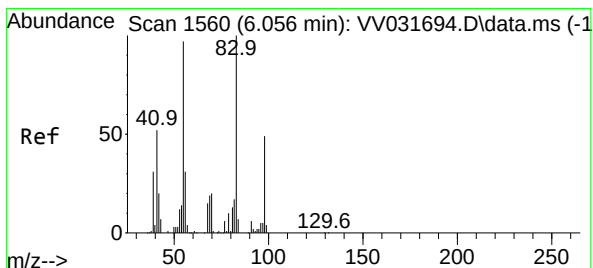
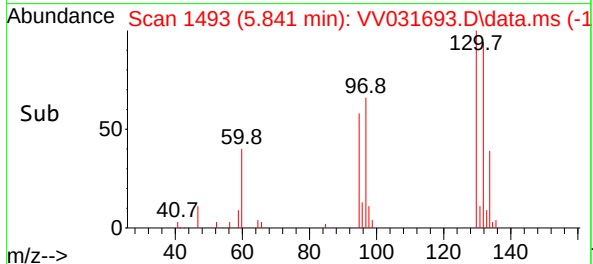
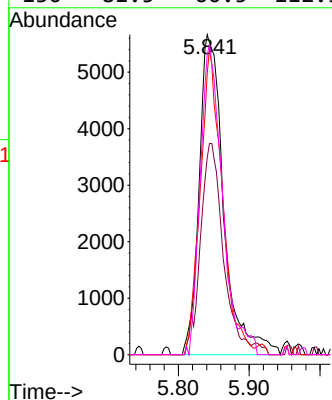
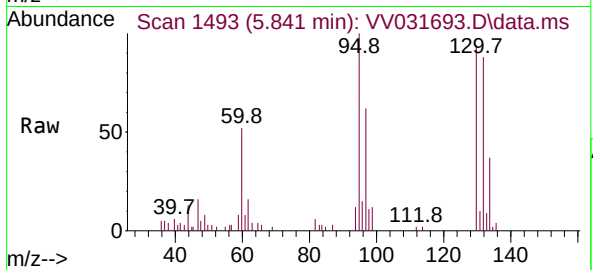


#34
Trichloroethene
Concen: 1.061 ug/L
RT: 5.841 min Scan# 1492
Delta R.T. 0.003 min
Lab File: VV031693.D
Acq: 13 Jul 2023 13:31

Instrument :
MSVOA_V
ClientSampleId :
VSTD001261

Tgt Ion: 95 Resp: 13573

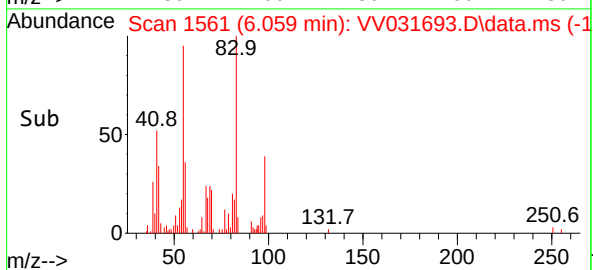
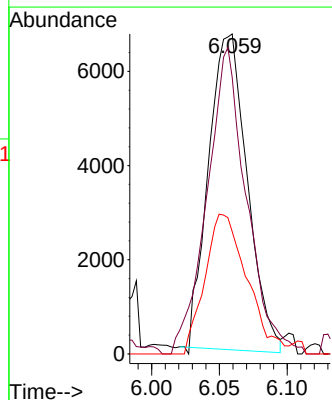
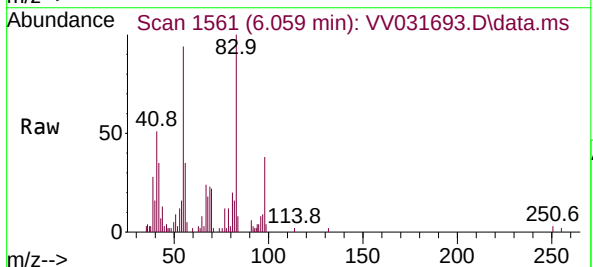
Ion	Ratio	Lower	Upper
95	100		
97	53.5	43.3	80.5
132	76.4	58.3	108.3
130	81.5	60.5	112.5

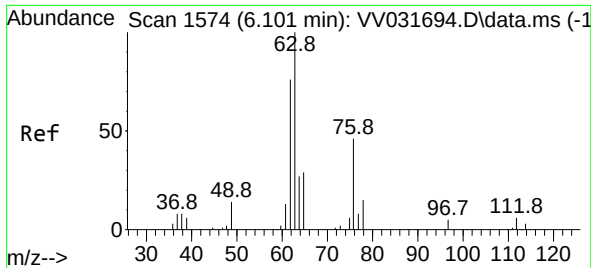


#35
Methylcyclohexane
Concen: 0.832 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.003 min
Lab File: VV031693.D
Acq: 13 Jul 2023 13:31

Tgt Ion: 83 Resp: 13314

Ion	Ratio	Lower	Upper
83	100		
55	98.9	73.8	110.6
98	48.4	35.1	52.7

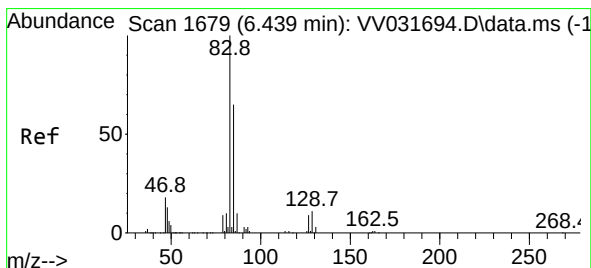
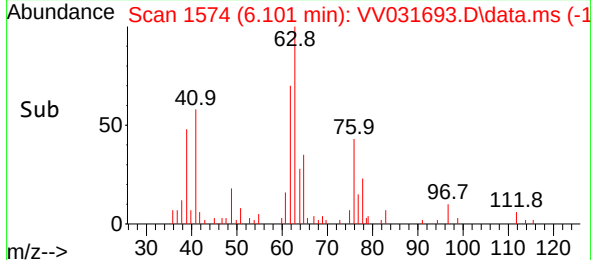
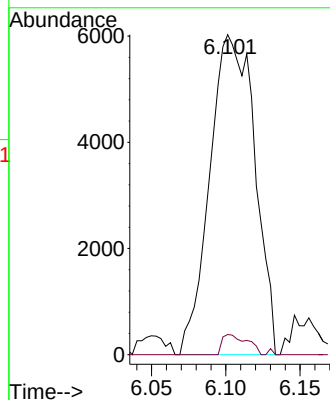
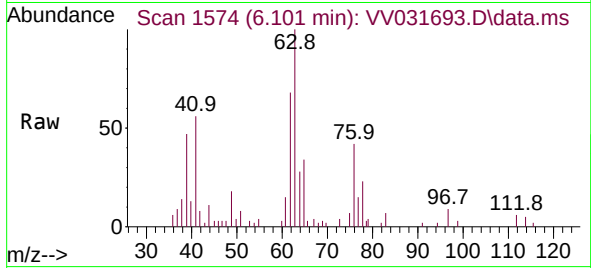




#37
1,2-Dichloropropane
Concen: 0.980 ug/L
RT: 6.101 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV031693.D
Acq: 13 Jul 2023 13:31

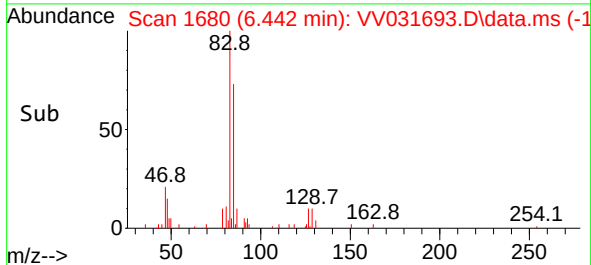
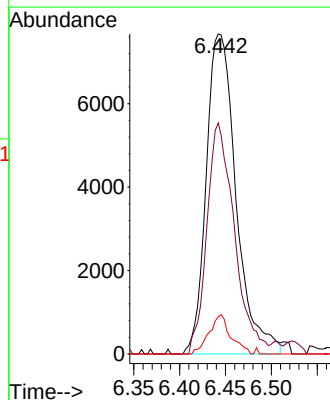
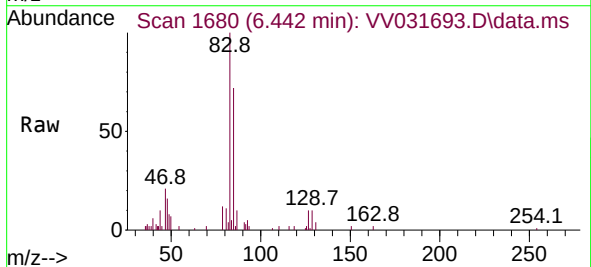
Instrument :
MSVOA_V
ClientSampleId :
VSTD001261

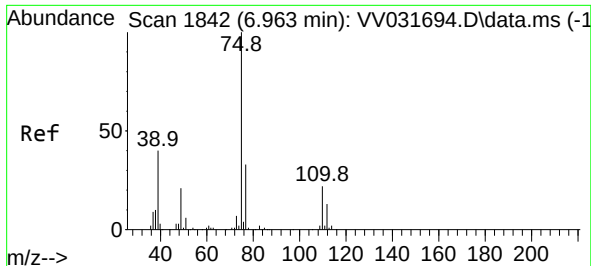
Tgt Ion: 63 Resp: 12683
Ion Ratio Lower Upper
63 100
112 3.5 1.4 2.2#



#38
Bromodichloromethane
Concen: 1.013 ug/L
RT: 6.442 min Scan# 1680
Delta R.T. 0.003 min
Lab File: VV031693.D
Acq: 13 Jul 2023 13:31

Tgt Ion: 83 Resp: 17403
Ion Ratio Lower Upper
83 100
85 72.2 45.5 84.5
127 11.6 6.9 10.3#





#39

cis-1,3-Dichloropropene

Concen: 0.917 ug/L

RT: 6.966 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV031693.D

Acq: 13 Jul 2023 13:31

Instrument :

MSVOA_V

ClientSampleId :

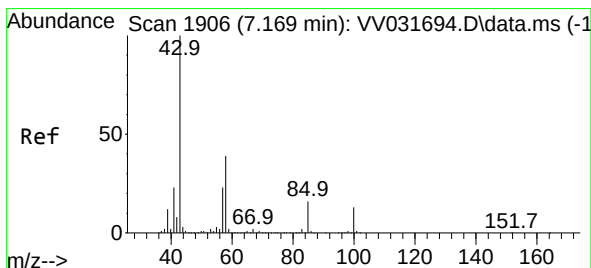
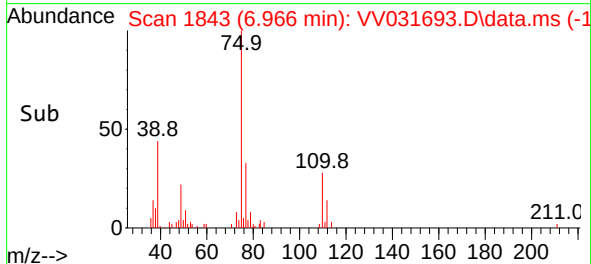
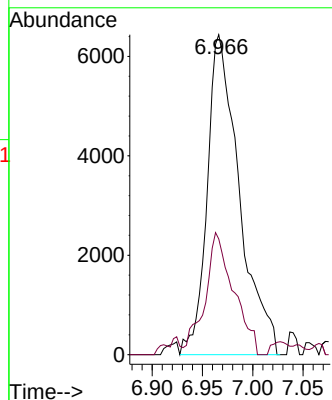
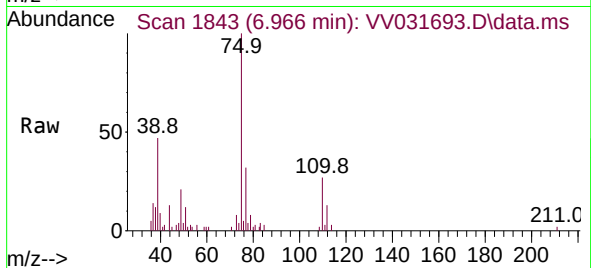
VSTD001261

Tgt Ion: 75 Resp: 14294

Ion Ratio Lower Upper

75 100

77 36.1 23.0 42.6



#40

4-Methyl-2-pentanone

Concen: 7.846 ug/L

RT: 7.172 min Scan# 1907

Delta R.T. 0.003 min

Lab File: VV031693.D

Acq: 13 Jul 2023 13:31

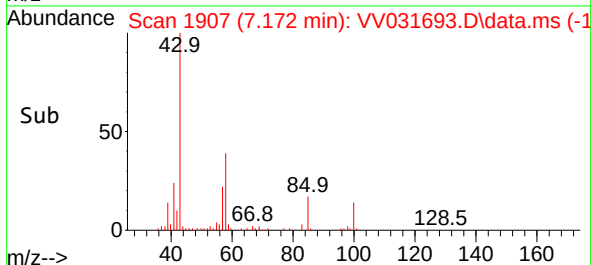
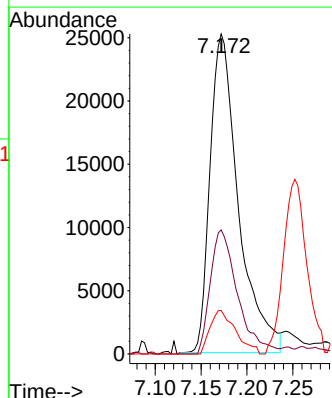
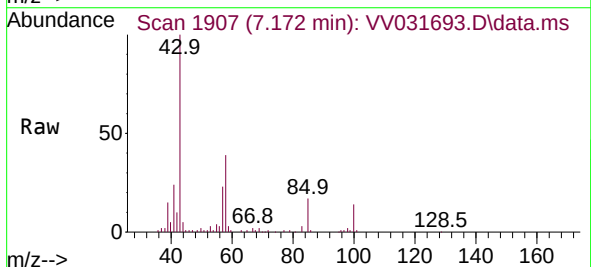
Tgt Ion: 43 Resp: 54290

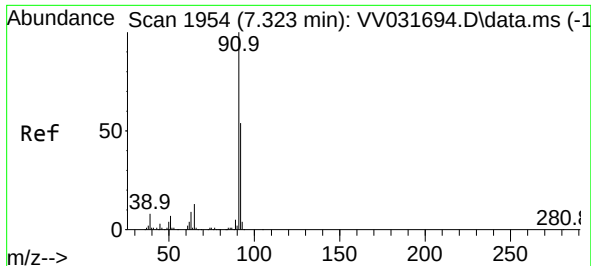
Ion Ratio Lower Upper

43 100

58 37.4 30.3 45.5

100 12.3 9.7 14.5





#42

Toluene

Concen: 0.844 ug/L

RT: 7.326 min Scan# 1954

Delta R.T. 0.003 min

Lab File: VV031693.D

Acq: 13 Jul 2023 13:31

Instrument :

MSVOA_V

ClientSampleId :

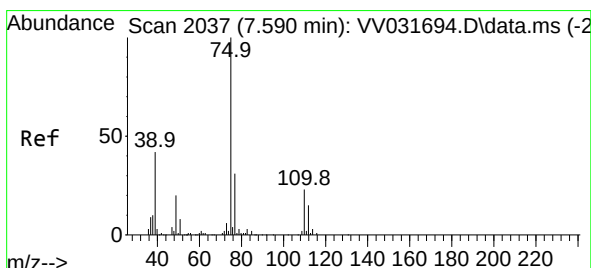
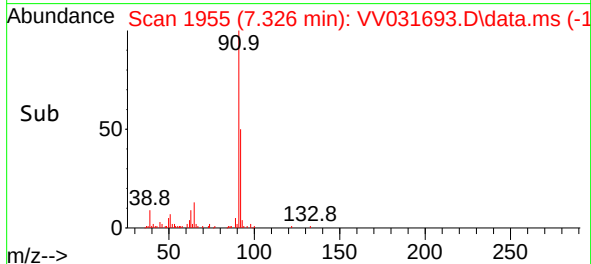
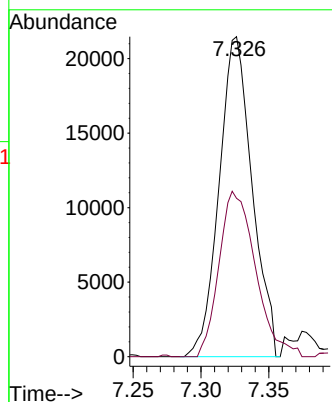
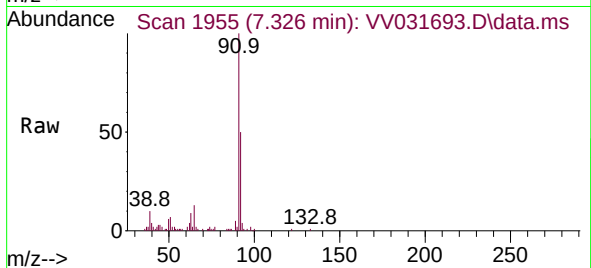
VSTD001261

Tgt Ion: 91 Resp: 36381

Ion Ratio Lower Upper

91 100

92 49.5 38.1 70.7



#44

trans-1,3-Dichloropropene

Concen: 0.961 ug/L

RT: 7.596 min Scan# 2039

Delta R.T. 0.006 min

Lab File: VV031693.D

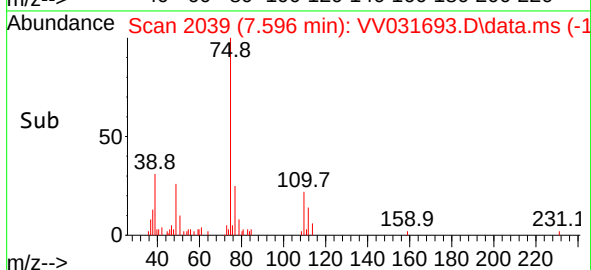
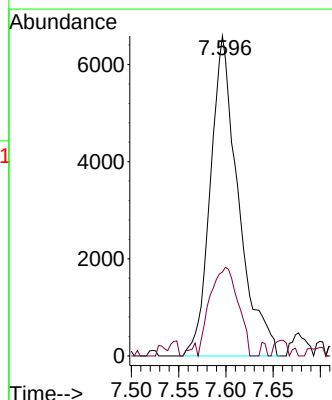
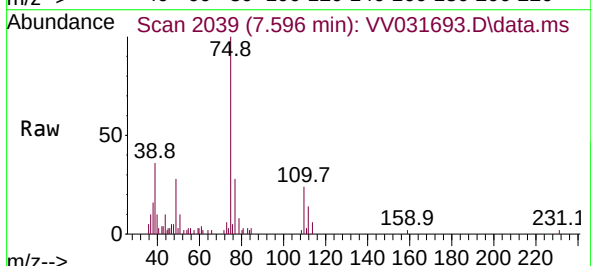
Acq: 13 Jul 2023 13:31

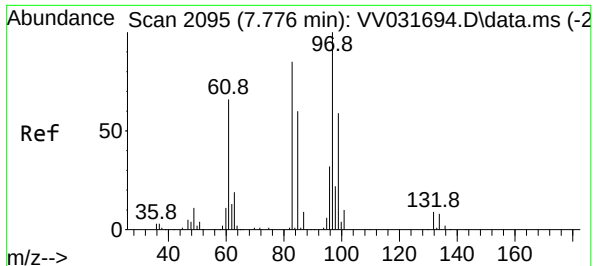
Tgt Ion: 75 Resp: 13508

Ion Ratio Lower Upper

75 100

77 26.3 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 1.024 ug/L

RT: 7.780 min Scan# 2095

Delta R.T. 0.003 min

Lab File: VV031693.D

Acq: 13 Jul 2023 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD001261

Tgt Ion: 97 Resp: 9847

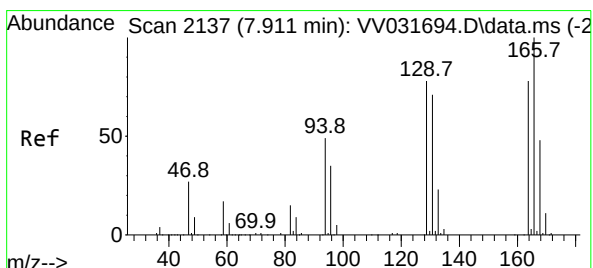
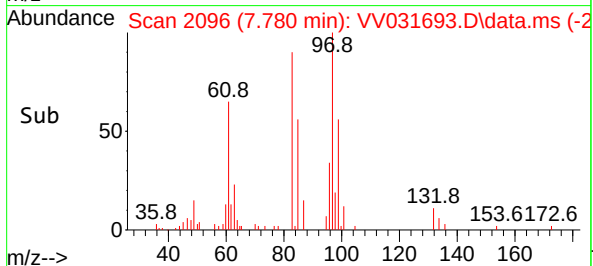
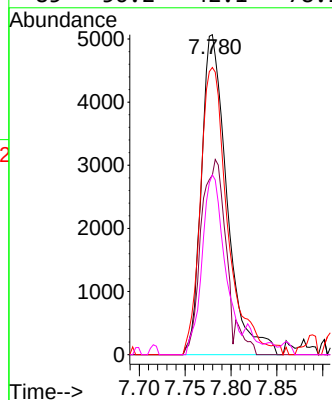
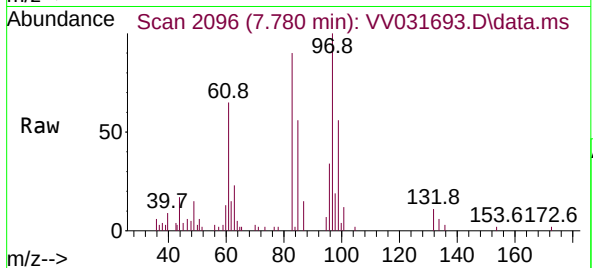
Ion Ratio Lower Upper

97 100

99 56.1 40.9 76.0

83 89.7 59.7 110.9

85 56.2 42.1 78.1



#47

Tetrachloroethene

Concen: 0.957 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VV031693.D

Acq: 13 Jul 2023 13:31

Tgt Ion: 164 Resp: 8451

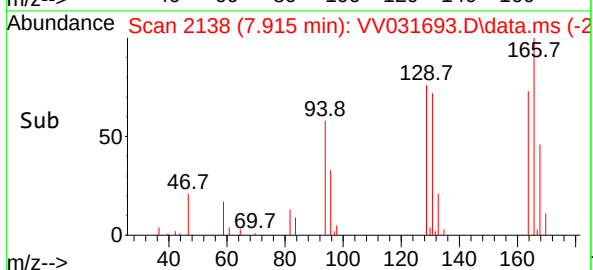
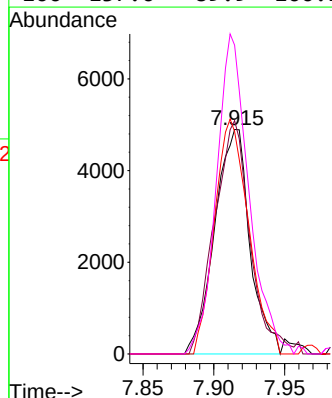
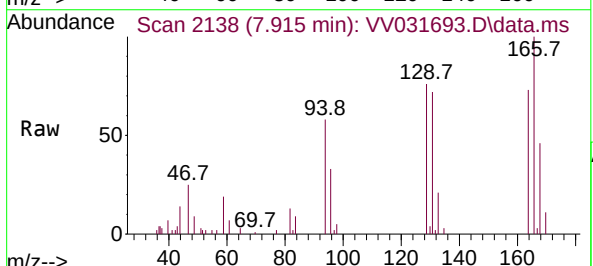
Ion Ratio Lower Upper

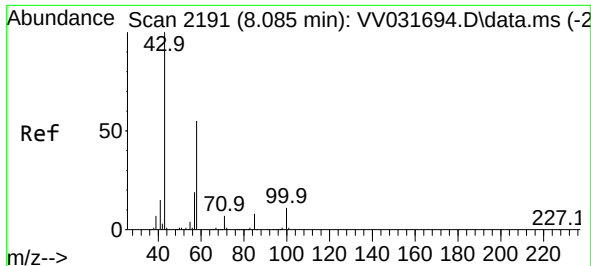
164 100

129 103.9 70.5 130.9

131 99.1 64.0 118.8

166 137.6 89.9 166.9

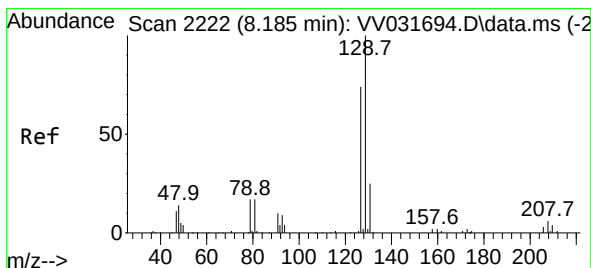
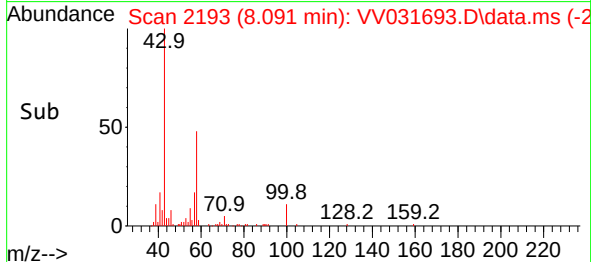
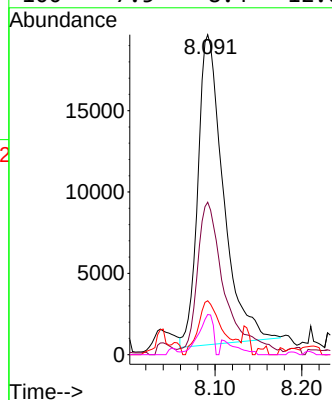
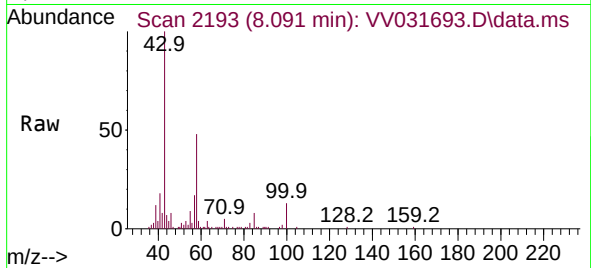




#48
2-Hexanone
Concen: 7.485 ug/L
RT: 8.091 min Scan# 2191
Delta R.T. 0.006 min
Lab File: VV031693.D
Acq: 13 Jul 2023 13:31

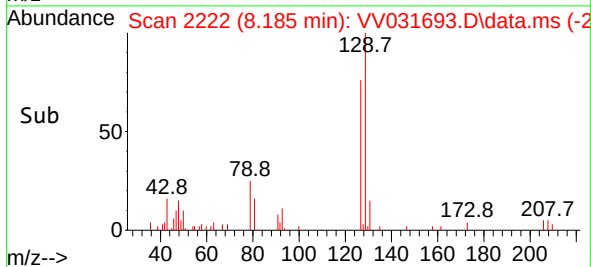
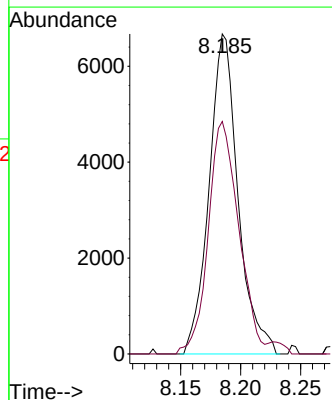
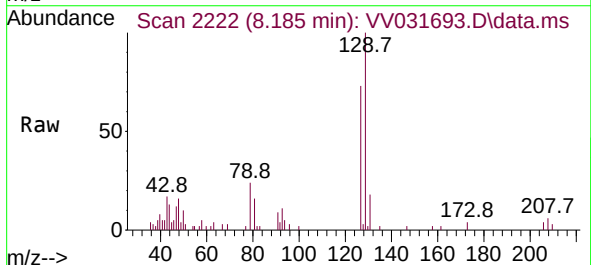
Instrument :
MSVOA_V
ClientSampleId :
VSTD001261

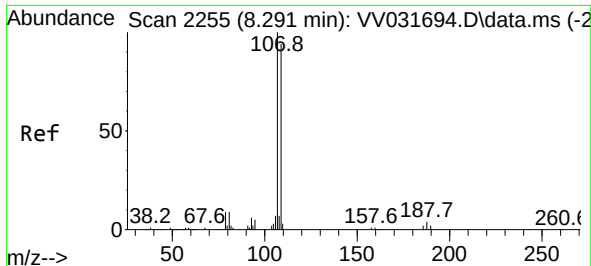
Tgt Ion: 43 Resp: 38881
Ion Ratio Lower Upper
43 100
58 51.2 42.6 64.0
57 16.2 14.6 21.8
100 7.5 8.4 12.6#



#49
Dibromochloromethane
Concen: 1.083 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. -0.000 min
Lab File: VV031693.D
Acq: 13 Jul 2023 13:31

Tgt Ion: 129 Resp: 11191
Ion Ratio Lower Upper
129 100
127 72.7 51.7 96.1





#50

1,2-Dibromoethane

Concen: 1.010 ug/L

RT: 8.294 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV031693.D

Acq: 13 Jul 2023 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD001261

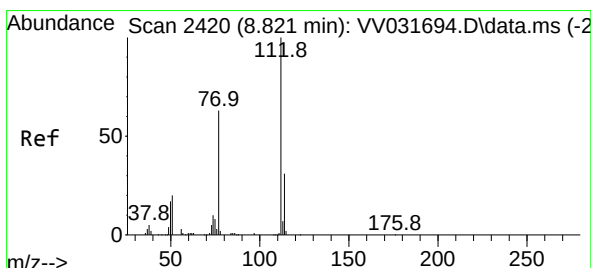
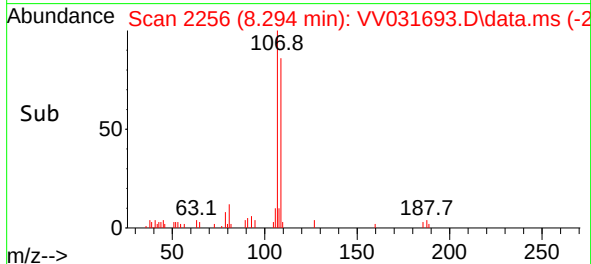
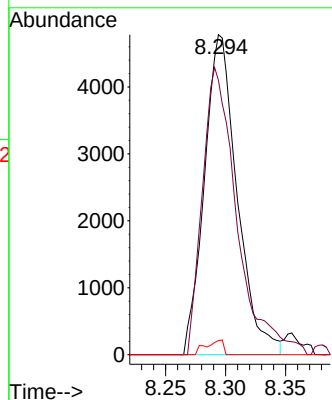
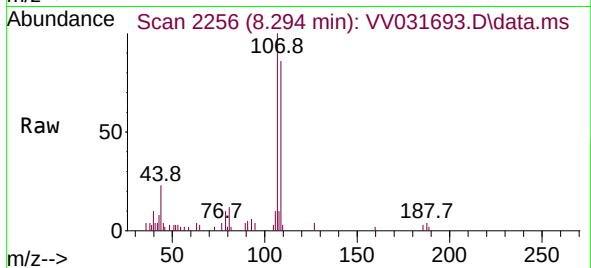
Tgt Ion:107 Resp: 9084

Ion Ratio Lower Upper

107 100

109 88.7 67.6 125.6

188 4.4 3.0 4.6



#51

Chlorobenzene

Concen: 0.989 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV031693.D

Acq: 13 Jul 2023 13:31

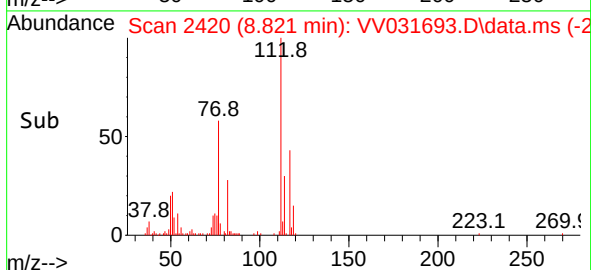
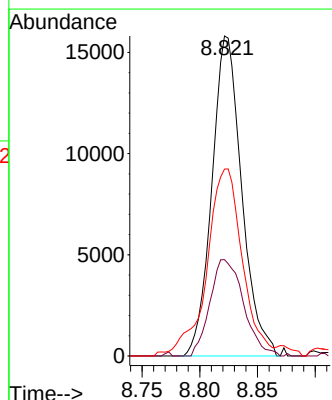
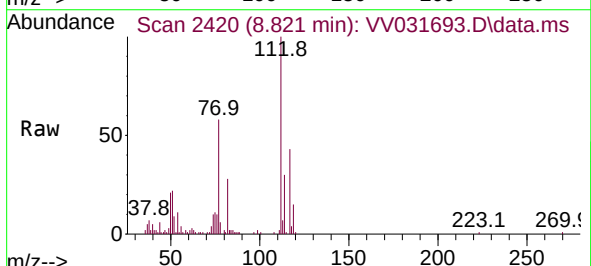
Tgt Ion:112 Resp: 28408

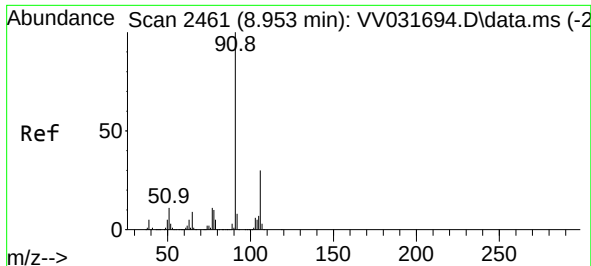
Ion Ratio Lower Upper

112 100

114 28.2 21.6 40.2

77 60.0 54.2 81.4

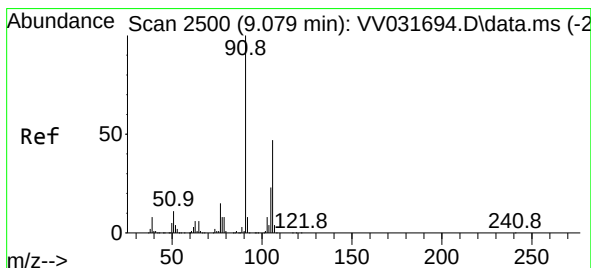
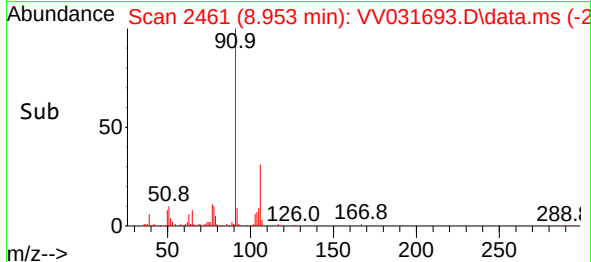
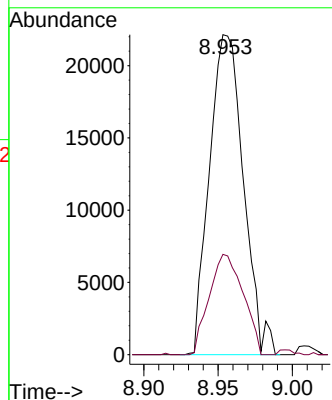
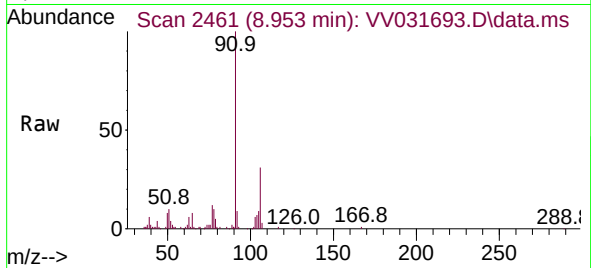




#52
Ethylbenzene
Concen: 0.817 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. -0.000 min
Lab File: VV031693.D
Acq: 13 Jul 2023 13:31

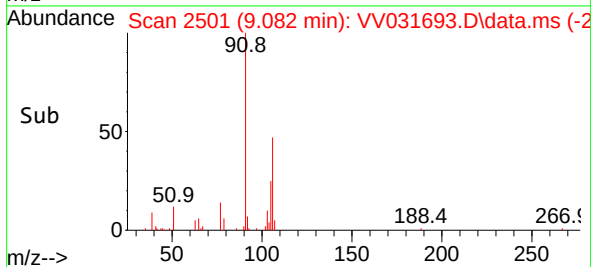
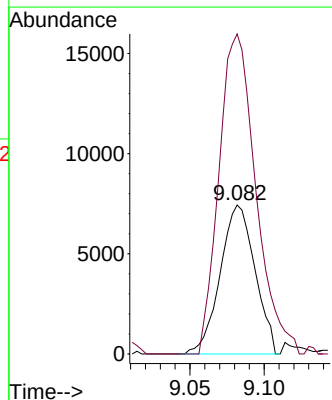
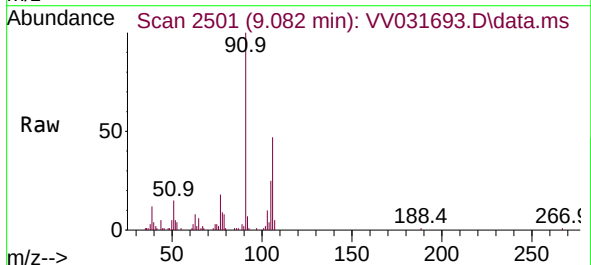
Instrument :
MSVOA_V
ClientSampleId :
VSTD001261

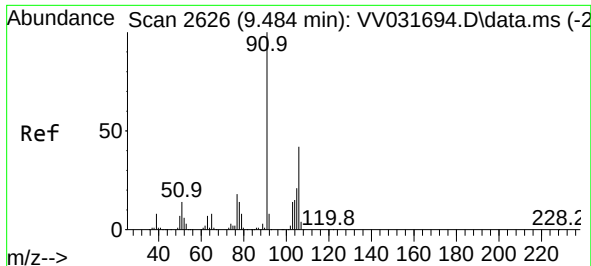
Tgt Ion: 91 Resp: 35263
Ion Ratio Lower Upper
91 100
106 31.4 21.2 39.4



#53
m,p-Xylene
Concen: 0.759 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.003 min
Lab File: VV031693.D
Acq: 13 Jul 2023 13:31

Tgt Ion: 106 Resp: 12113
Ion Ratio Lower Upper
106 100
91 214.7 149.9 278.3

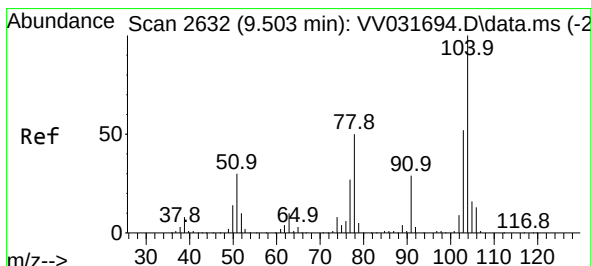
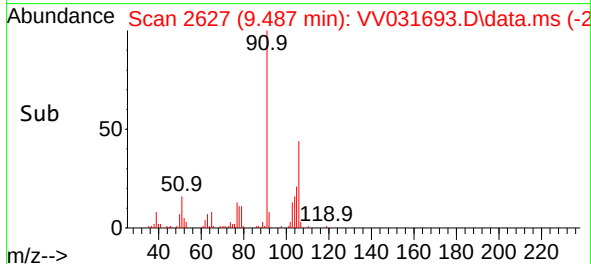
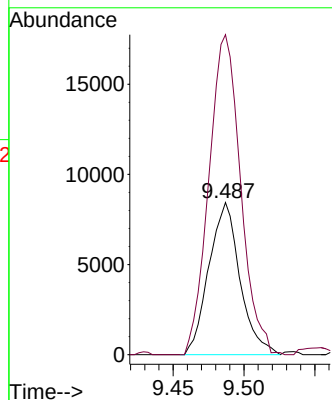
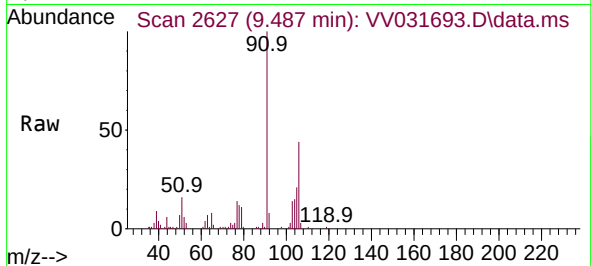




#54
o-Xylene
Concen: 0.870 ug/L
RT: 9.487 min Scan# 2626
Delta R.T. 0.003 min
Lab File: VV031693.D
Acq: 13 Jul 2023 13:31

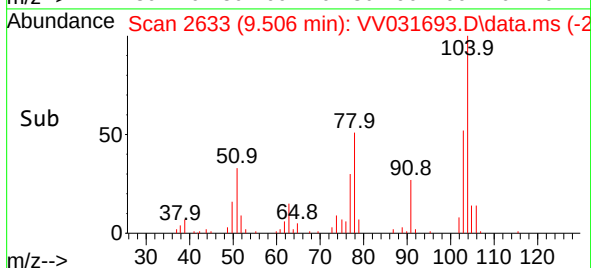
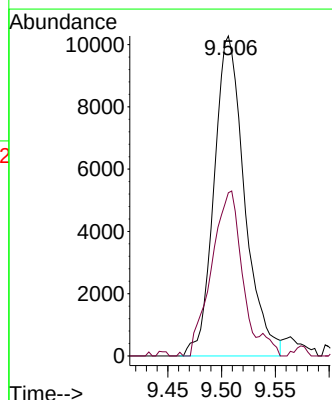
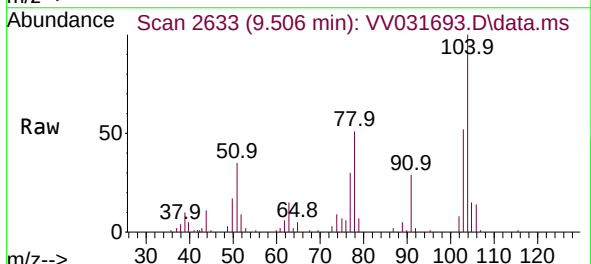
Instrument :
MSVOA_V
ClientSampleId :
VSTD001261

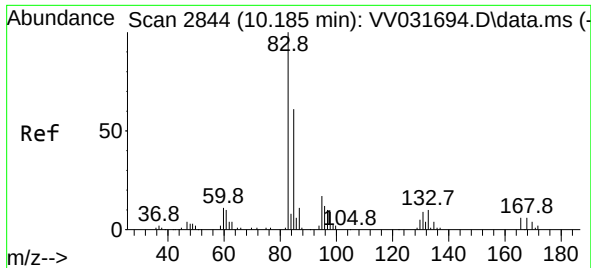
Tgt Ion:106 Resp: 12882
Ion Ratio Lower Upper
106 100
91 210.3 166.7 309.5



#55
Styrene
Concen: 0.727 ug/L
RT: 9.506 min Scan# 2633
Delta R.T. 0.003 min
Lab File: VV031693.D
Acq: 13 Jul 2023 13:31

Tgt Ion:104 Resp: 20297
Ion Ratio Lower Upper
104 100
78 44.4 35.3 65.5

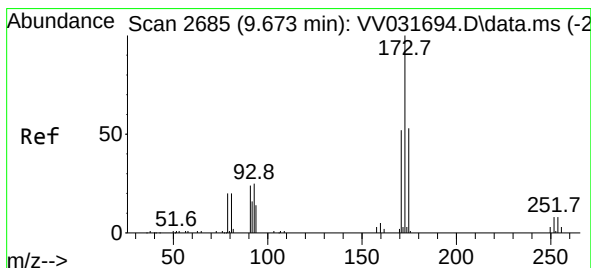
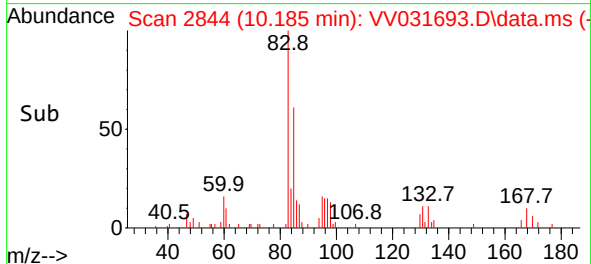
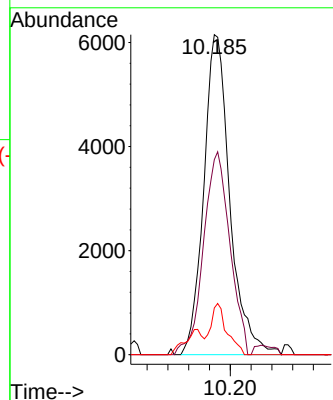
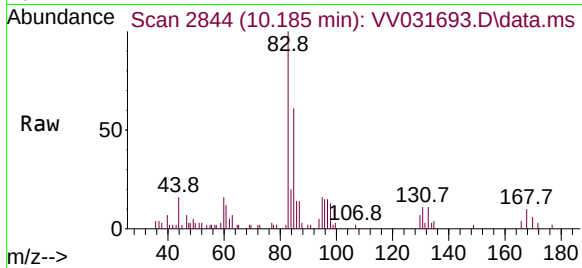




#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.056 ug/L
 RT: 10.185 min Scan# 2844
 Delta R.T. -0.000 min
 Lab File: VV031693.D
 Acq: 13 Jul 2023 13:31

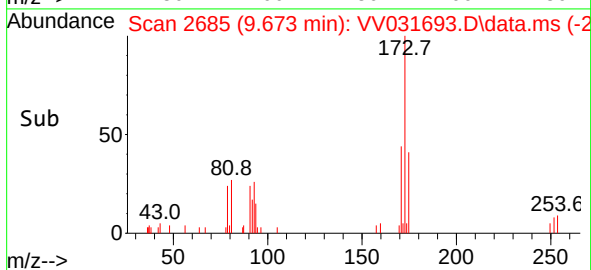
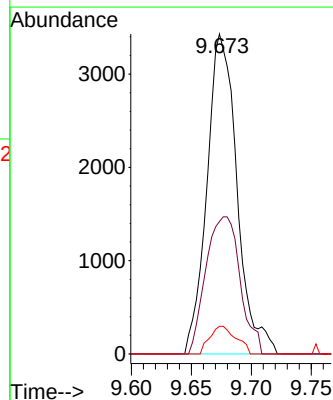
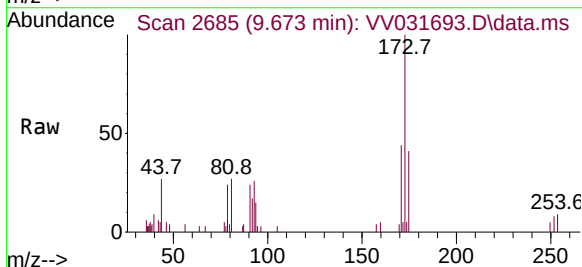
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001261

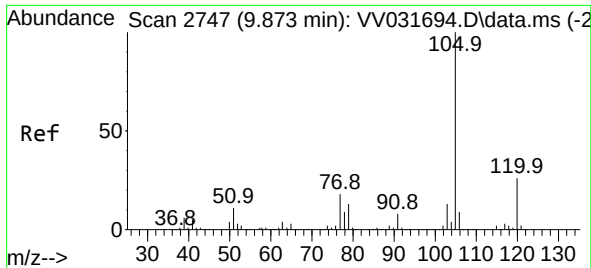
Tgt Ion: 83 Resp: 10747
 Ion Ratio Lower Upper
 83 100
 85 61.0 48.6 90.2
 131 14.6 7.0 10.6#



#59
 Bromoform
 Concen: 1.083 ug/L
 RT: 9.673 min Scan# 2685
 Delta R.T. -0.000 min
 Lab File: VV031693.D
 Acq: 13 Jul 2023 13:31

Tgt Ion: 173 Resp: 5972
 Ion Ratio Lower Upper
 173 100
 175 48.8 40.2 60.4
 254 7.6 6.4 9.6

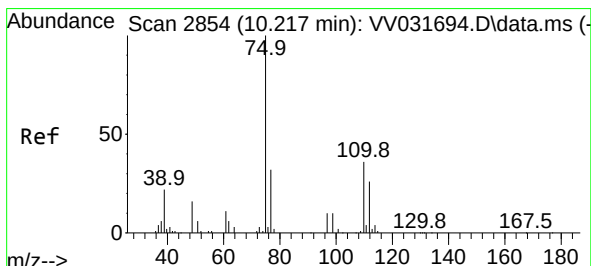
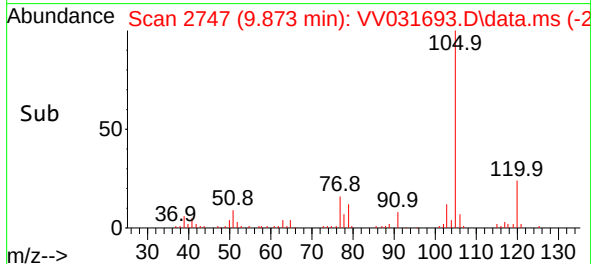
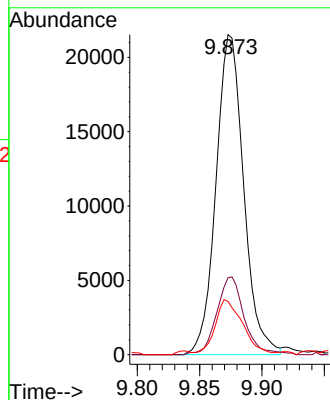
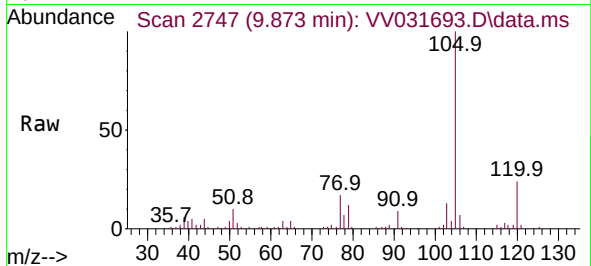




#60
Isopropylbenzene
Concen: 0.910 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031693.D
Acq: 13 Jul 2023 13:31

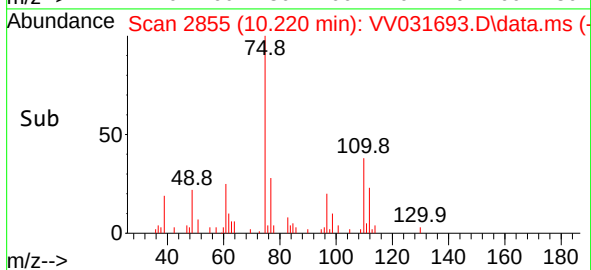
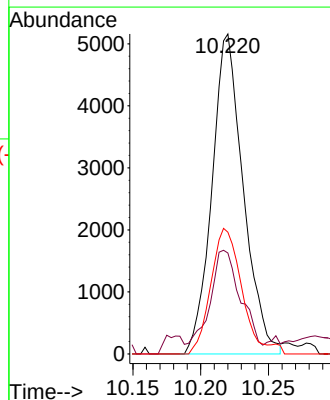
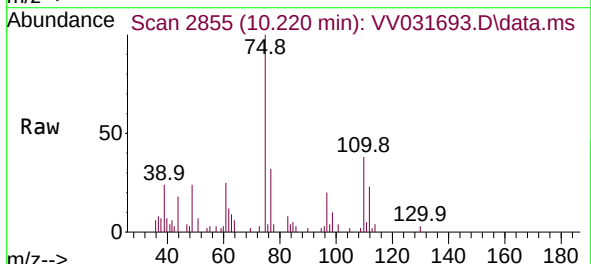
Instrument :
MSVOA_V
ClientSampleId :
VSTD001261

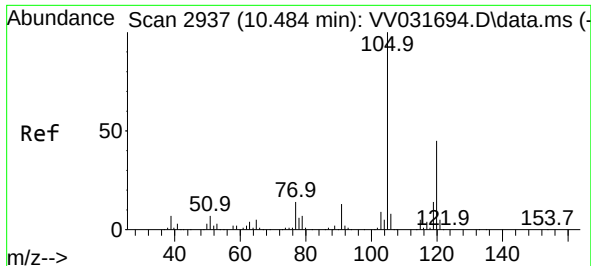
Tgt Ion:105 Resp: 33300
Ion Ratio Lower Upper
105 100
120 24.0 20.0 30.0
77 15.6 14.2 21.4



#61
1,2,3-Trichloropropane
Concen: 1.129 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.003 min
Lab File: VV031693.D
Acq: 13 Jul 2023 13:31

Tgt Ion: 75 Resp: 8286
Ion Ratio Lower Upper
75 100
77 29.5 25.9 38.9
110 39.0 28.6 42.8





#62

1,3,5-Trimethylbenzene

Concen: 0.896 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VV031693.D

Acq: 13 Jul 2023 13:31

Instrument :

MSVOA_V

ClientSampleId :

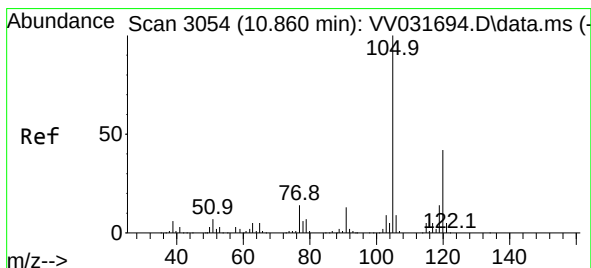
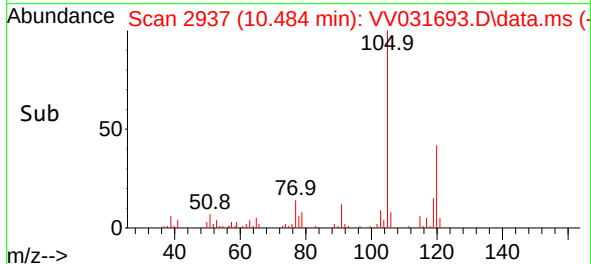
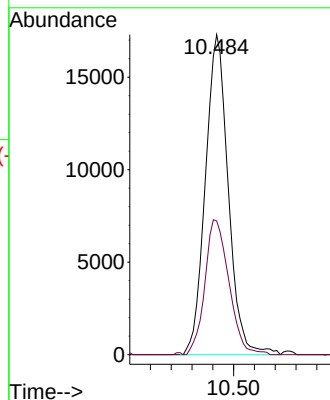
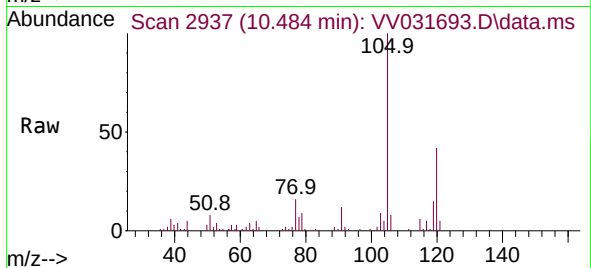
VSTD001261

Tgt Ion:105 Resp: 26460

Ion Ratio Lower Upper

105 100

120 44.2 36.2 54.4



#63

1,2,4-Trimethylbenzene

Concen: 0.886 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV031693.D

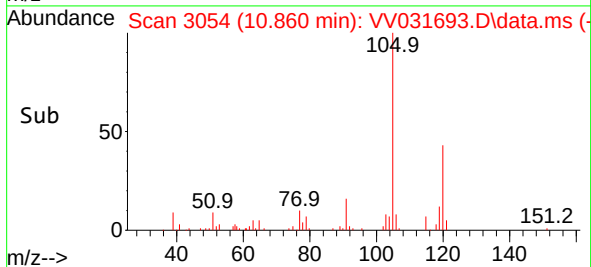
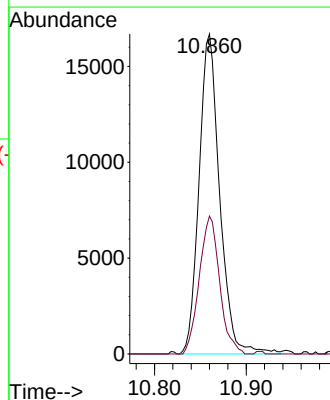
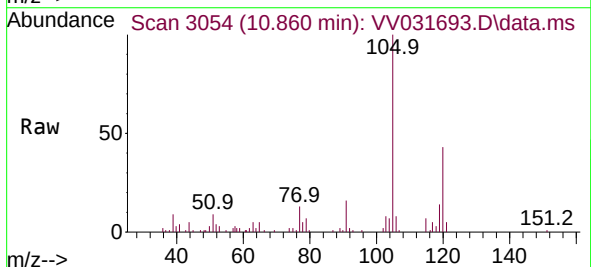
Acq: 13 Jul 2023 13:31

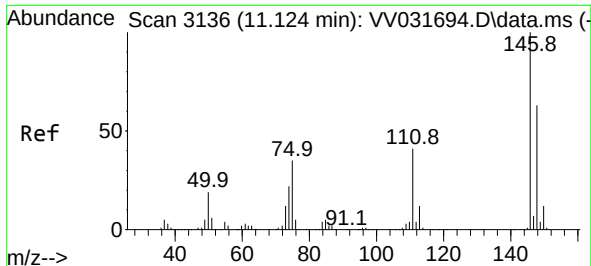
Tgt Ion:105 Resp: 26096

Ion Ratio Lower Upper

105 100

120 42.4 33.4 50.0

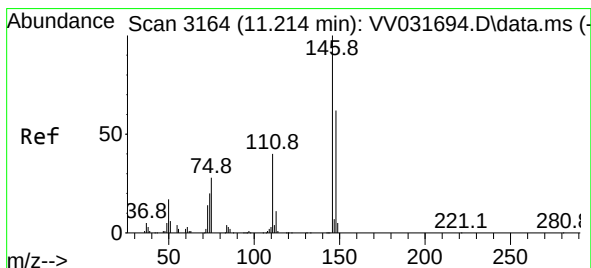
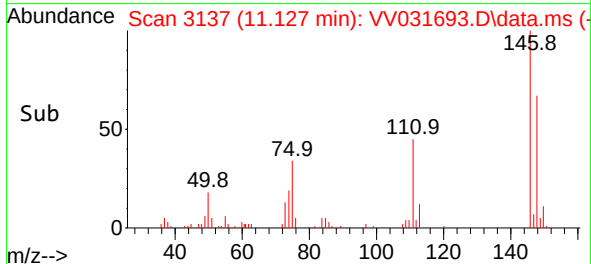
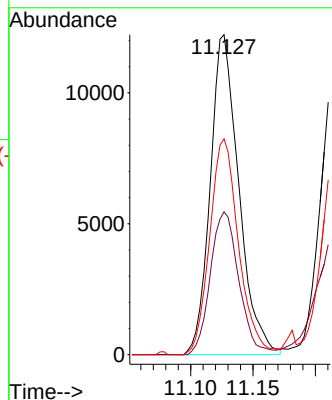
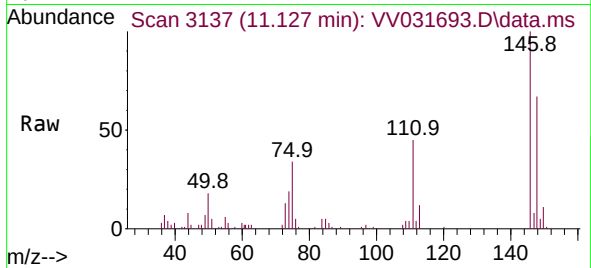




#64
1,3-Dichlorobenzene
Concen: 0.989 ug/L
RT: 11.127 min Scan# 3136
Delta R.T. 0.003 min
Lab File: VV031693.D
Acq: 13 Jul 2023 13:31

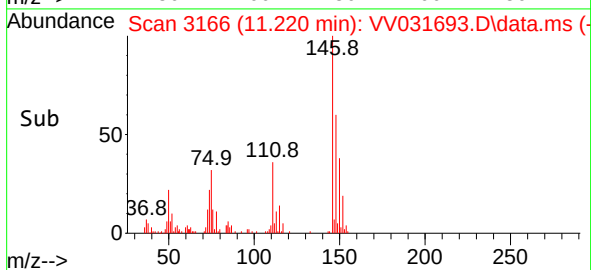
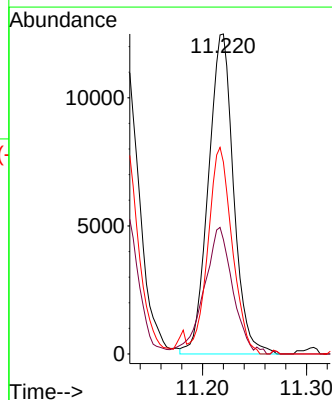
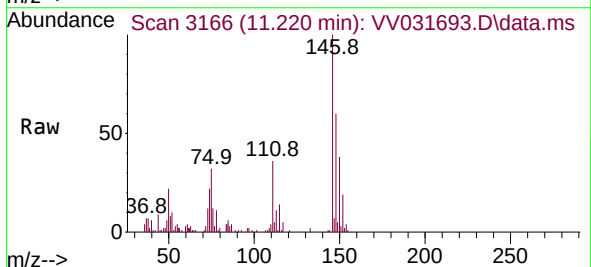
Instrument :
MSVOA_V
ClientSampleId :
VSTD001261

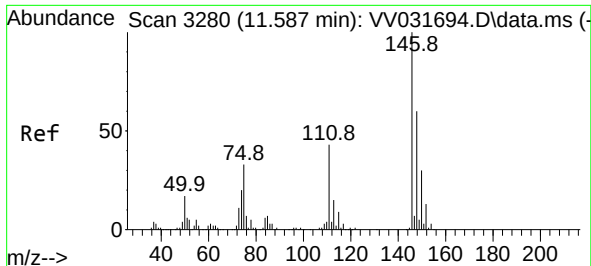
Tgt Ion:146 Resp: 19498
Ion Ratio Lower Upper
146 100
111 44.7 28.8 53.4
148 67.5 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 1.010 ug/L
RT: 11.220 min Scan# 3166
Delta R.T. 0.006 min
Lab File: VV031693.D
Acq: 13 Jul 2023 13:31

Tgt Ion:146 Resp: 21087
Ion Ratio Lower Upper
146 100
111 35.8 28.2 52.4
148 65.3 43.6 81.0





#67

1,2-Dichlorobenzene

Concen: 0.951 ug/L

RT: 11.587 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031693.D

Acq: 13 Jul 2023 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD001261

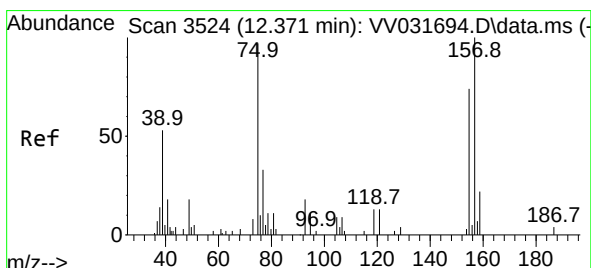
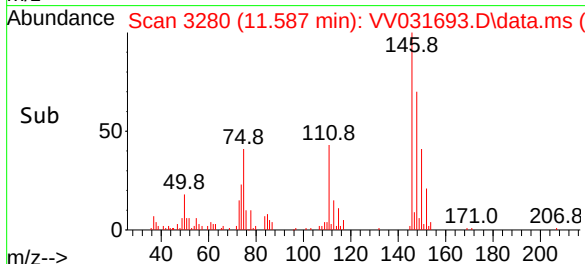
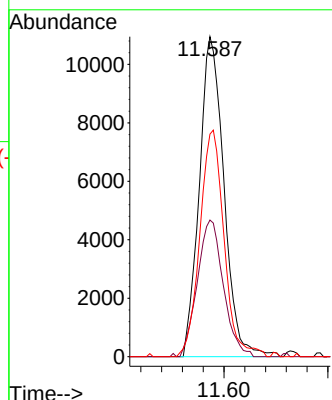
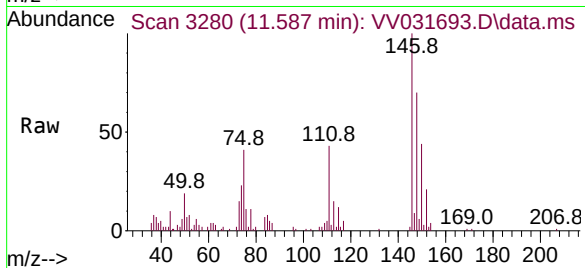
Tgt Ion:146 Resp: 17977

Ion Ratio Lower Upper

146 100

111 46.1 34.2 51.4

148 69.6 48.1 72.1



#68

1,2-Dibromo-3-chloropropane

Concen: 1.238 ug/L

RT: 12.377 min Scan# 3526

Delta R.T. 0.006 min

Lab File: VV031693.D

Acq: 13 Jul 2023 13:31

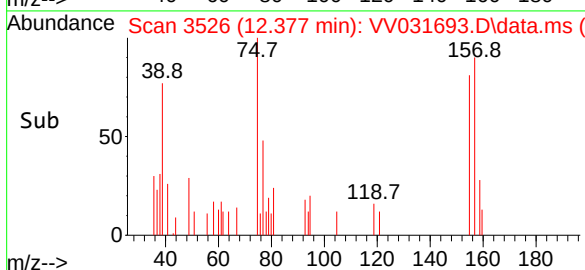
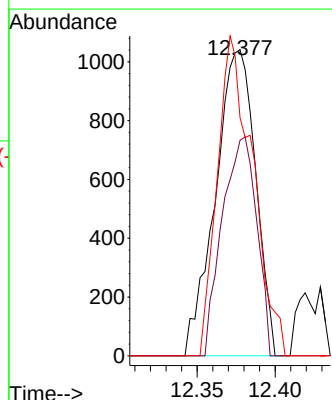
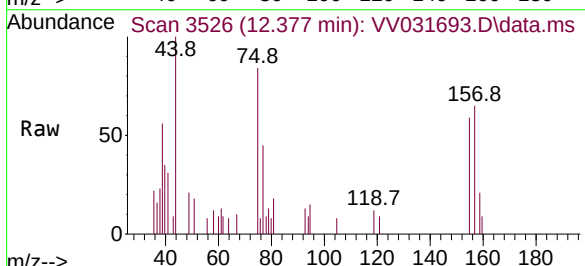
Tgt Ion: 75 Resp: 1867

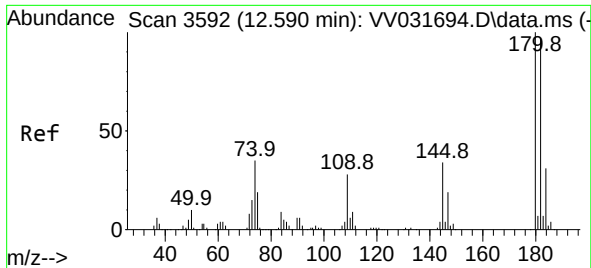
Ion Ratio Lower Upper

75 100

155 70.3 61.4 92.0

157 77.7 82.8 124.2#





#69

1,3,5-Trichlorobenzene

Concen: 1.027 ug/L

RT: 12.590 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031693.D

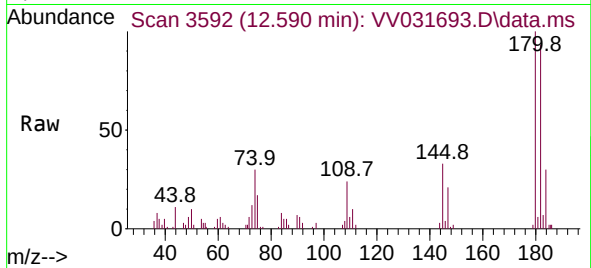
Acq: 13 Jul 2023 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD001261



Tgt Ion:180 Resp: 14810

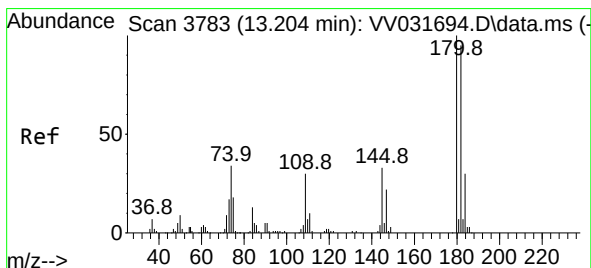
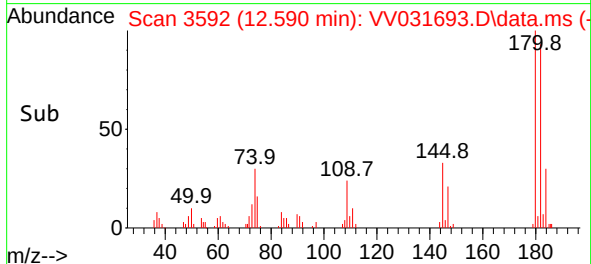
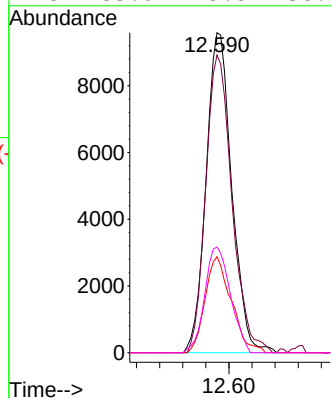
Ion Ratio Lower Upper

180 100

182 94.8 78.3 117.5

184 30.6 24.5 36.7

145 33.0 25.8 38.6



#70

1,2,4-trichlorobenzene

Concen: 1.021 ug/L

RT: 13.210 min Scan# 3785

Delta R.T. 0.006 min

Lab File: VV031693.D

Acq: 13 Jul 2023 13:31

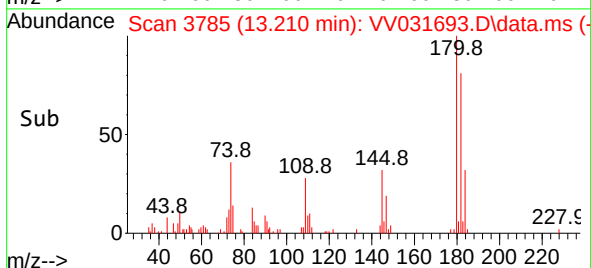
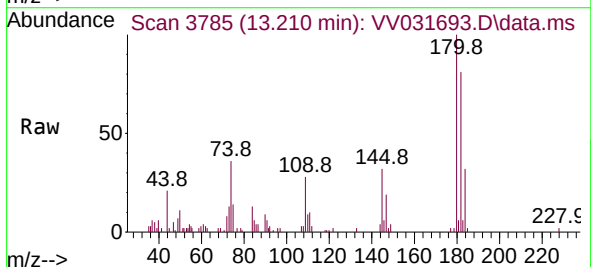
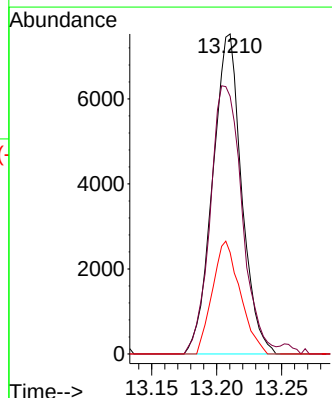
Tgt Ion:180 Resp: 11671

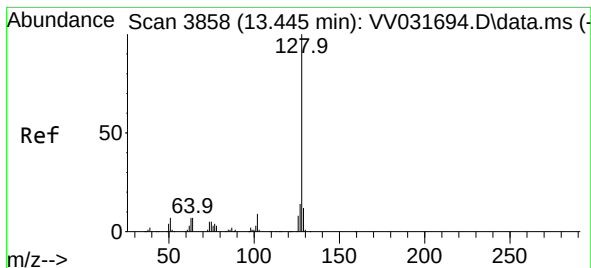
Ion Ratio Lower Upper

180 100

182 92.0 76.0 114.0

145 33.8 26.2 39.4





#71

Naphthalene

Concen: 0.938 ug/L

RT: 13.448 min Scan# 3858

Delta R.T. 0.003 min

Lab File: VV031693.D

Acq: 13 Jul 2023 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD001261

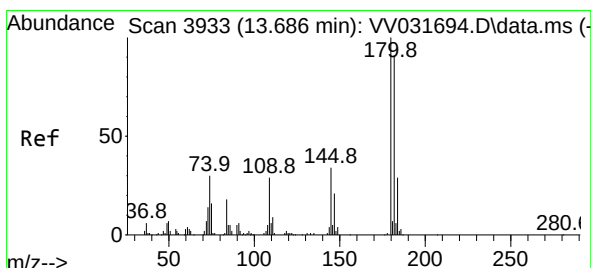
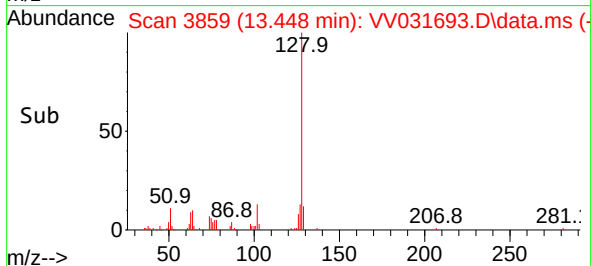
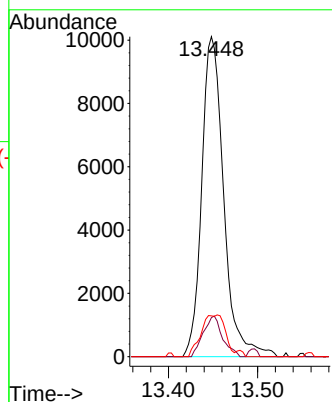
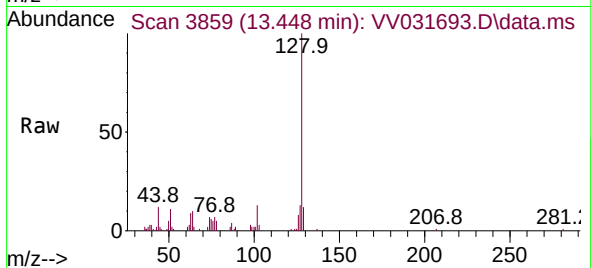
Tgt Ion:128 Resp: 17291

Ion Ratio Lower Upper

128 100

129 11.1 9.1 13.7

127 14.3 11.6 17.4



#72

1,2,3-Trichlorobenzene

Concen: 0.997 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.003 min

Lab File: VV031693.D

Acq: 13 Jul 2023 13:31

Tgt Ion:180 Resp: 10519

Ion Ratio Lower Upper

180 100

182 95.6 74.6 111.8

145 36.4 27.4 41.0

