

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121323\
 Data File : VW033270.D
 Acq On : 13 Dec 2023 10:42
 Operator : SY/MD
 Sample : VSTD001
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001217

Quant Time: Dec 13 23:00:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 22:59:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	142302	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	136168	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	71250	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	8272	0.718	ug/L	0.00
7) Chloroethane-d5	1.532	69	6325	0.587	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	3581	0.703	ug/L	0.00
20) 2-Butanone-d5	3.873	46	3882	2.538	ug/L	0.04
24) Chloroform-d	4.256	84	18485	0.895	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.953	65	8070	0.881	ug/L	0.00
32) Benzene-d6	4.970	84	33414	0.937	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.998	67	7551	0.776	ug/L	0.00
41) Toluene-d8	7.249	98	30932	0.910	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.567	79	3385	0.861	ug/L	0.01
46) 2-Hexanone-d5	8.040	63	8032	6.169	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.159	84	5125	0.721	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.564	152	12025	0.959	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	16920	1.036	ug/L	97
3) Chloromethane	1.214	50	9835	0.682	ug/L	99
5) Vinyl chloride	1.282	62	9859	0.708	ug/L	94
6) Bromomethane	1.487	94	6083	0.615	ug/L	95
8) Chloroethane	1.548	64	6020	0.596	ug/L	91
9) Trichlorofluoromethane	1.716	101	18411	0.821	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	8262	0.675	ug/L	95
12) 1,1-Dichloroethene	2.069	96	8105	0.712	ug/L	98
13) Acetone	2.169	43	5338	3.821	ug/L	71
14) Carbon disulfide	2.240	76	25468	0.759	ug/L	100
15) Methyl Acetate	2.404	43	608	0.196	ug/L #	48
16) Methylene chloride	2.449	84	9111	0.664	ug/L	93
17) Methyl tert-butyl Ether	2.706	73	14889	0.752	ug/L	97
18) trans-1,2-Dichloroethene	2.696	96	9496	0.845	ug/L	97
19) 1,1-Dichloroethane	3.114	63	14734	0.755	ug/L	97
21) 2-Butanone	4.166	43	198	0.114	ug/L	86
22) cis-1,2-Dichloroethene	3.828	96	9600	0.824	ug/L	93
23) Bromochloromethane	4.166	128	4236	0.804	ug/L #	91
25) Chloroform	4.281	83	17413	0.797	ug/L	94
27) 1,2-Dichloroethane	5.050	62	9921	0.847	ug/L #	88
29) 1,1,1-Trichloroethane	4.516	97	19131	1.004	ug/L	97
30) Cyclohexane	4.580	56	11225	0.857	ug/L #	91
31) Carbon tetrachloride	4.735	117	16897	1.009	ug/L	100
33) Benzene	5.015	78	34813	0.879	ug/L	100
34) Trichloroethene	5.838	95	10264	0.923	ug/L	95
35) Methylcyclohexane	6.050	83	14714	0.974	ug/L	98
37) 1,2-Dichloropropane	6.104	63	7127	0.754	ug/L #	96
38) Bromodichloromethane	6.436	83	11269	0.829	ug/L	99
39) cis-1,3-Dichloropropene	6.963	75	10693	0.786	ug/L	88
40) 4-Methyl-2-pentanone	7.169	43	22351	6.065	ug/L	96
42) Toluene	7.320	91	37811	0.861	ug/L	98
44) trans-1,3-Dichloropropene	7.590	75	9221	0.837	ug/L	96

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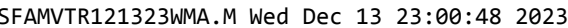
Quant Time: Dec 13 23:00:37 2023
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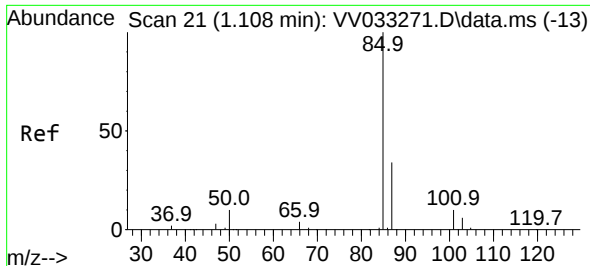
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.776	97	5373	0.774	ug/L	97
47) Tetrachloroethene	7.908	164	9538	0.992	ug/L	97
48) 2-Hexanone	8.088	43	15074	5.475	ug/L	96
49) Dibromochloromethane	8.182	129	7734	0.896	ug/L	98
50) 1,2-Dibromoethane	8.291	107	5182	0.782	ug/L #	80
51) Chlorobenzene	8.818	112	27536	0.930	ug/L	94
52) Ethylbenzene	8.950	91	41570	0.896	ug/L	94
53) m,p-Xylene	9.075	106	16395	0.896	ug/L	95
54) o-Xylene	9.481	106	16381	0.949	ug/L	90
55) Styrene	9.500	104	25973	0.880	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.182	83	5309	0.700	ug/L	94
59) Bromoform	9.670	173	4296	0.944	ug/L	99
60) Isopropylbenzene	9.870	105	44190	0.978	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	3619	0.730	ug/L	93
62) 1,3,5-Trimethylbenzene	10.477	105	34001	0.945	ug/L	98
63) 1,2,4-Trimethylbenzene	10.854	105	34009	0.944	ug/L	98
64) 1,3-Dichlorobenzene	11.120	146	22571	0.943	ug/L	94
65) 1,4-Dichlorobenzene	11.210	146	22393	0.919	ug/L	97
67) 1,2-Dichlorobenzene	11.583	146	20524	0.973	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.371	75	958	0.786	ug/L #	80
69) 1,3,5-Trichlorobenzene	12.583	180	17718	0.976	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	13054	0.891	ug/L	98
71) Naphthalene	13.445	128	14636	0.753	ug/L	98
72) 1,2,3-Trichlorobenzene	13.683	180	10871	0.875	ug/L	97

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

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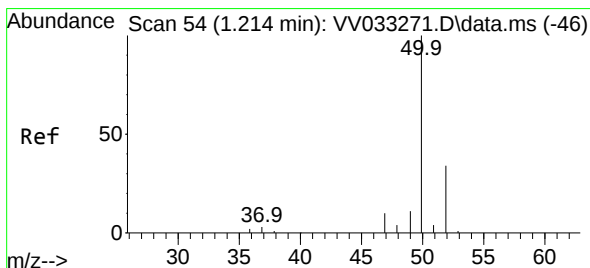
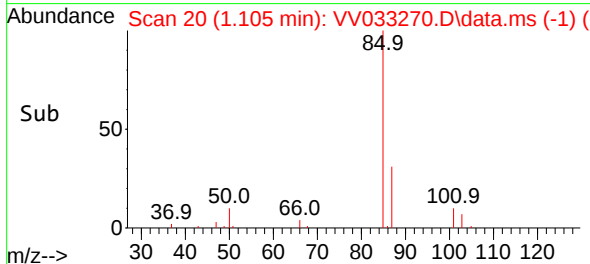
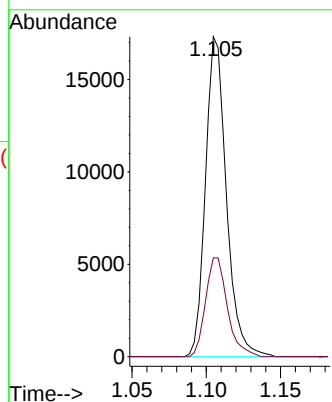
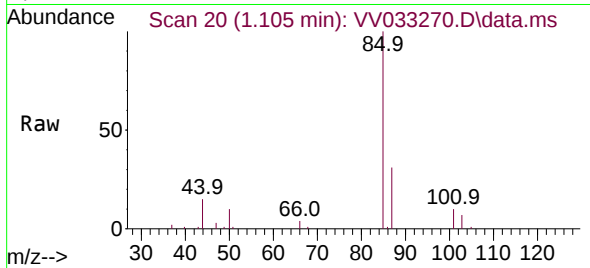




#2
 Dichlorodifluoromethane
 Concen: 1.036 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV033270.D
 Acq: 13 Dec 2023 10:42

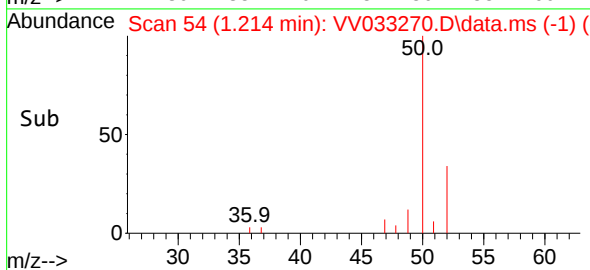
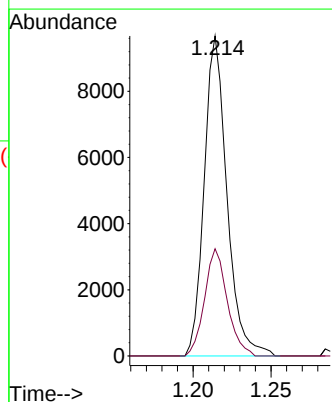
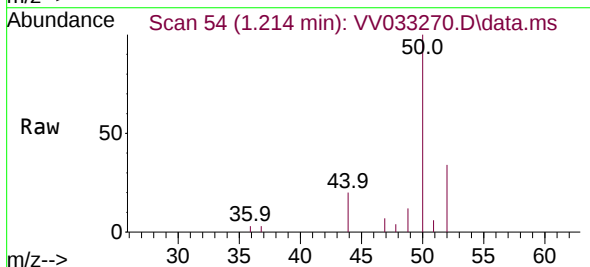
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001217

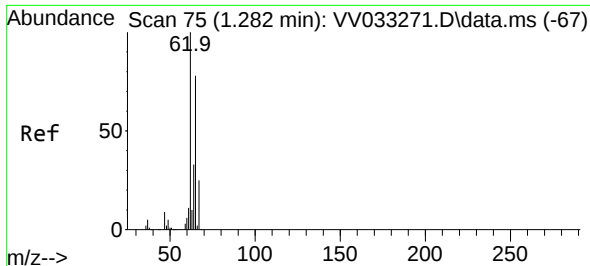
Tgt Ion: 85 Resp: 16920
 Ion Ratio Lower Upper
 85 100
 87 32.3 27.4 41.2



#3
 Chloromethane
 Concen: 0.682 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV033270.D
 Acq: 13 Dec 2023 10:42

Tgt Ion: 50 Resp: 9835
 Ion Ratio Lower Upper
 50 100
 52 33.5 23.8 44.2

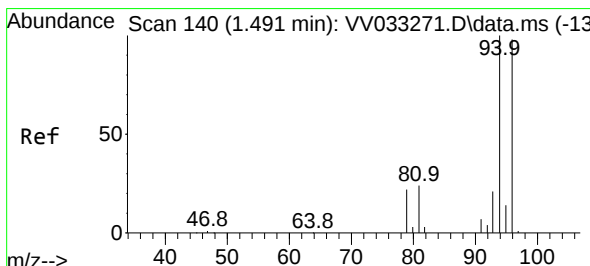
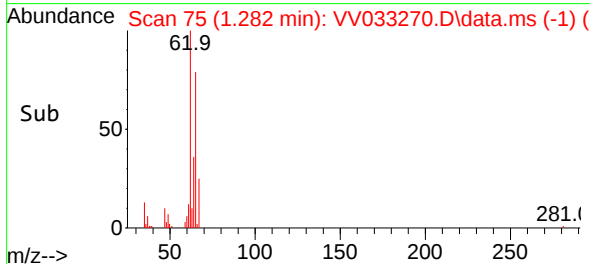
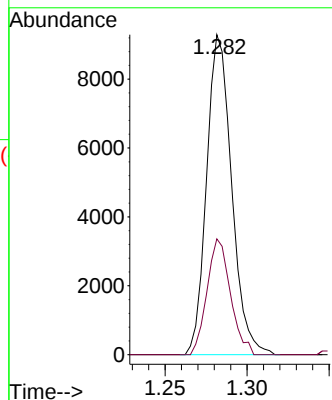
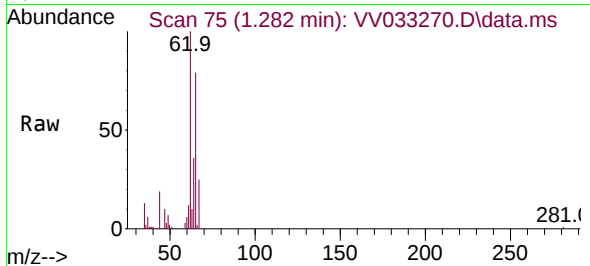




#5
 Vinyl chloride
 Concen: 0.708 ug/L
 RT: 1.282 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VV033270.D
 Acq: 13 Dec 2023 10:42

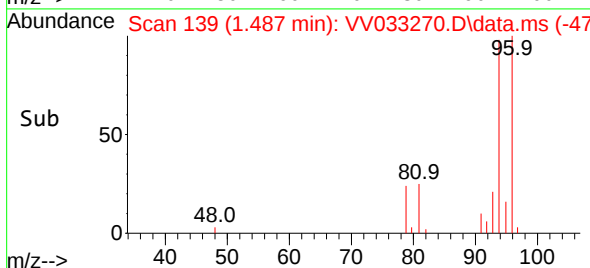
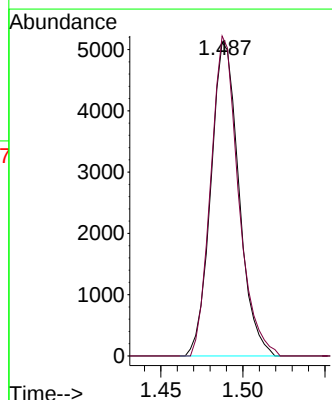
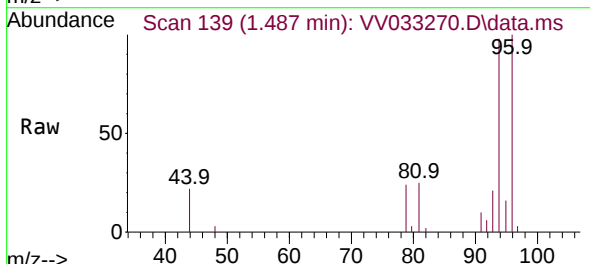
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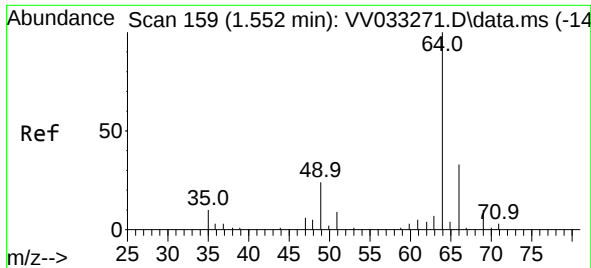
Tgt Ion: 62 Resp: 9859
 Ion Ratio Lower Upper
 62 100
 64 36.2 23.0 42.8



#6
 Bromomethane
 Concen: 0.615 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.003 min
 Lab File: VV033270.D
 Acq: 13 Dec 2023 10:42

Tgt Ion: 94 Resp: 6083
 Ion Ratio Lower Upper
 94 100
 96 102.0 68.3 126.8





#8

Chloroethane

Concen: 0.596 ug/L

RT: 1.548 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV033270.D

Acq: 13 Dec 2023 10:42

Instrument :

MSVOA_V

ClientSampleId :

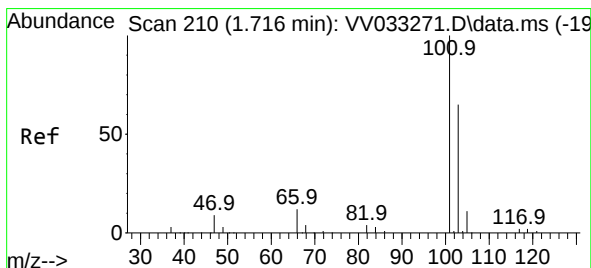
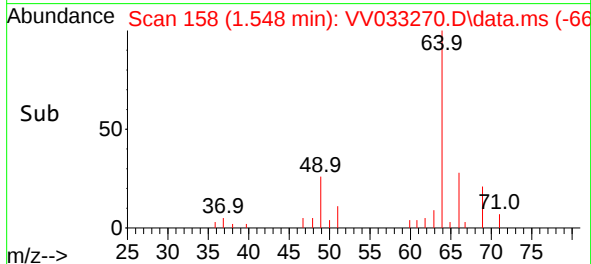
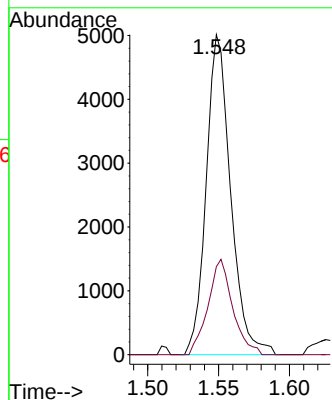
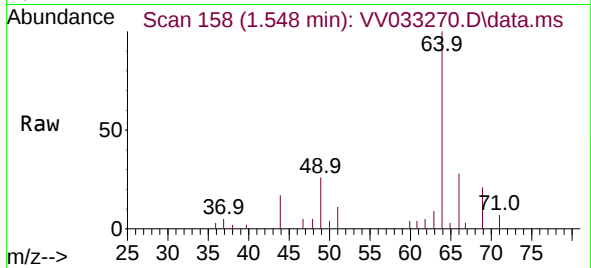
VSTD001217

Tgt Ion: 64 Resp: 6020

Ion Ratio Lower Upper

64 100

66 27.5 22.9 42.5



#9

Trichlorofluoromethane

Concen: 0.821 ug/L

RT: 1.716 min Scan# 210

Delta R.T. -0.000 min

Lab File: VV033270.D

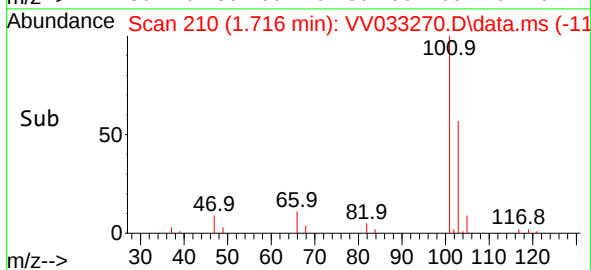
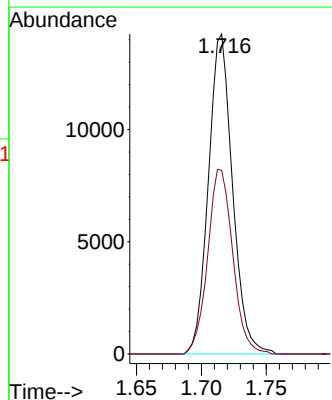
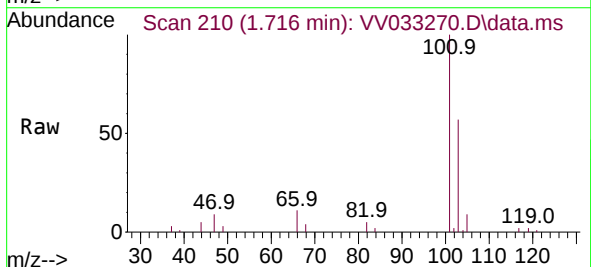
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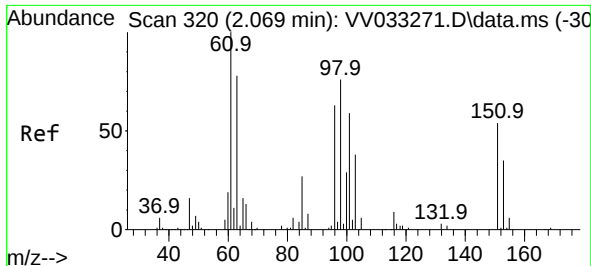
Tgt Ion:101 Resp: 18411

Ion Ratio Lower Upper

101 100

103 59.9 51.8 77.8





#10

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

Concen: 0.675 ug/L

RT: 2.066 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV033270.D

Acq: 13 Dec 2023 10:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD001217

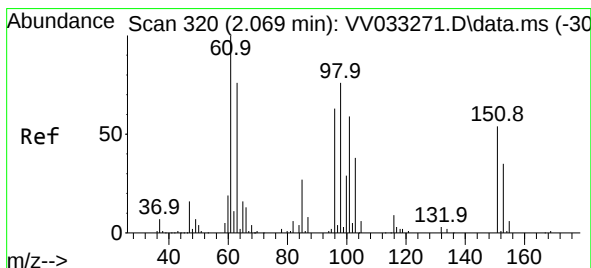
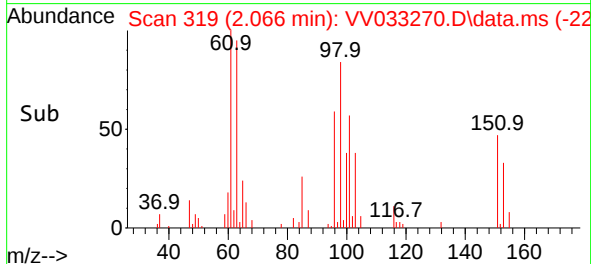
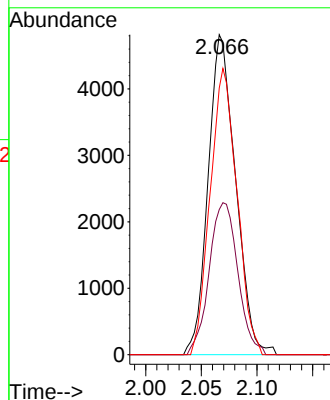
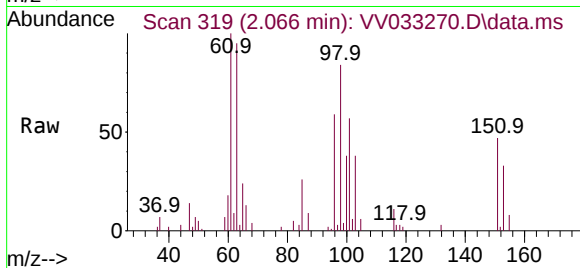
Tgt Ion:101 Resp: 8262

Ion Ratio Lower Upper

101 100

85 49.5 36.2 54.2

151 87.1 72.8 109.2



#12

1,1-Dichloroethene

Concen: 0.712 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV033270.D

Acq: 13 Dec 2023 10:42

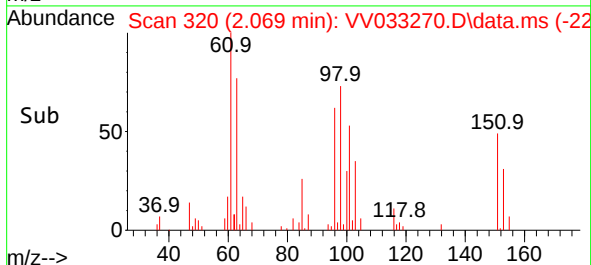
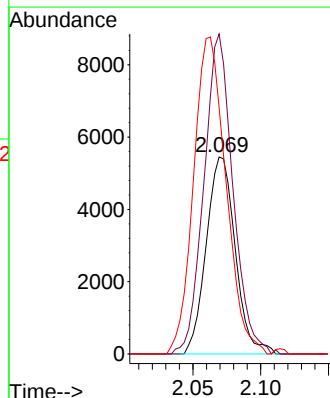
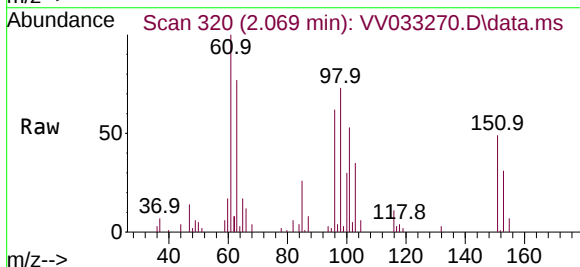
Tgt Ion: 96 Resp: 8105

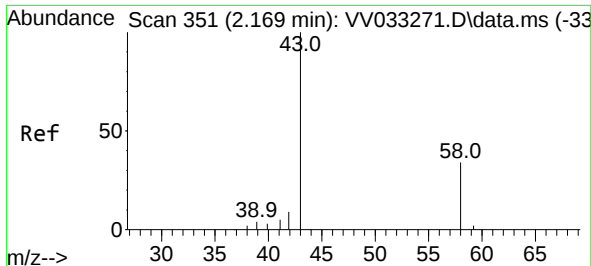
Ion Ratio Lower Upper

96 100

61 162.5 111.6 207.2

63 125.3 87.1 161.7





#13

Acetone

Concen: 3.821 ug/L

RT: 2.169 min Scan# 351

Delta R.T. -0.000 min

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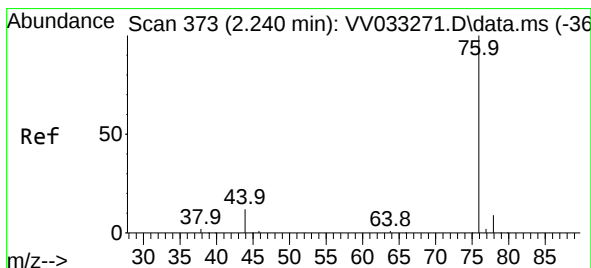
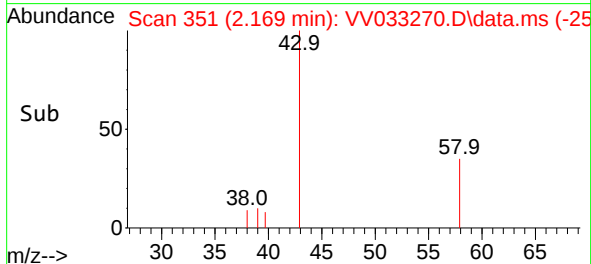
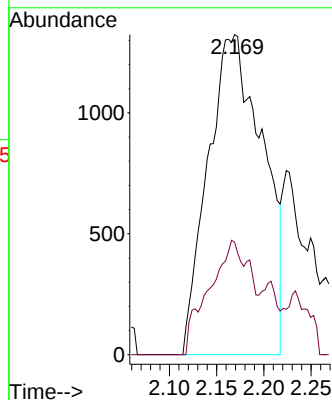
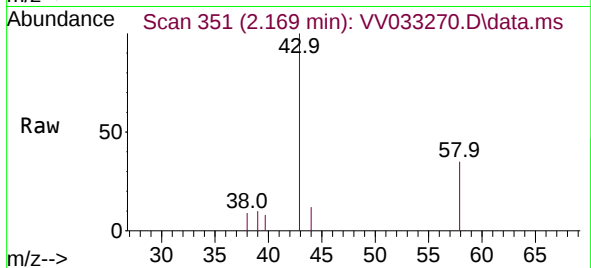
VSTD001217

Tgt Ion: 43 Resp: 5338

Ion Ratio Lower Upper

43 100

58 27.2 0.0 30.2



#14

Carbon disulfide

Concen: 0.759 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV033270.D

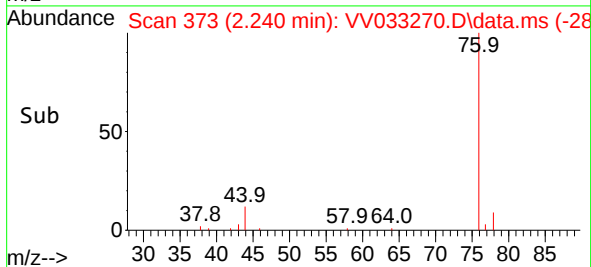
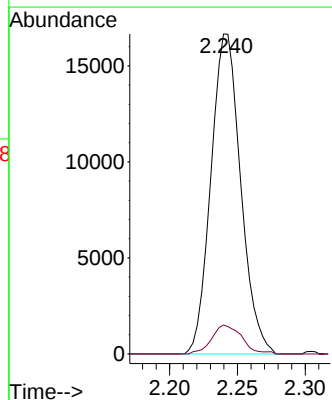
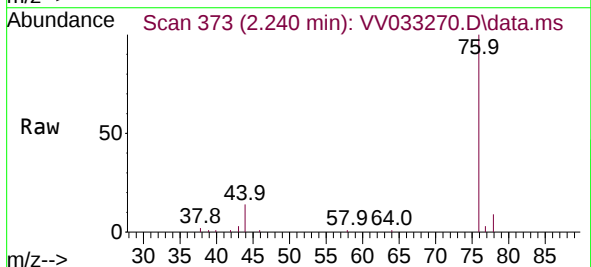
Acq: 13 Dec 2023 10:42

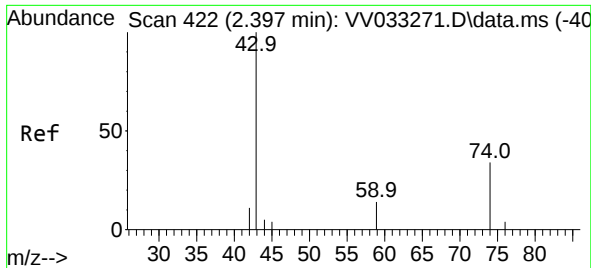
Tgt Ion: 76 Resp: 25468

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

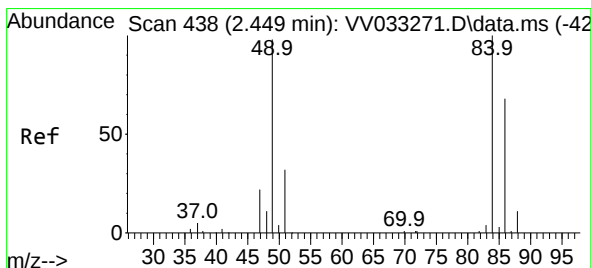
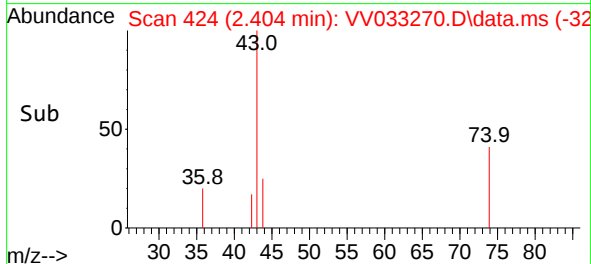
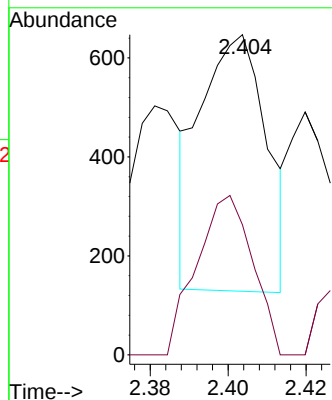
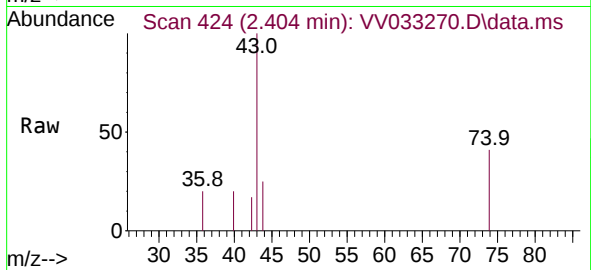




#15
Methyl Acetate
Concen: 0.196 ug/L
RT: 2.404 min Scan# 431
Delta R.T. 0.006 min
Lab File: VV033270.D
Acq: 13 Dec 2023 10:42

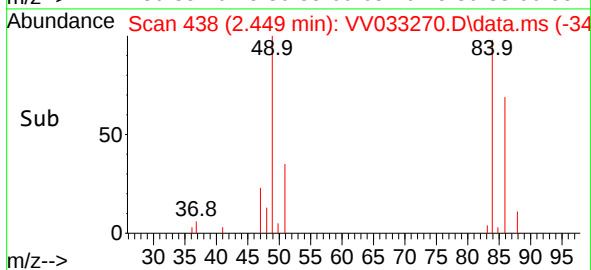
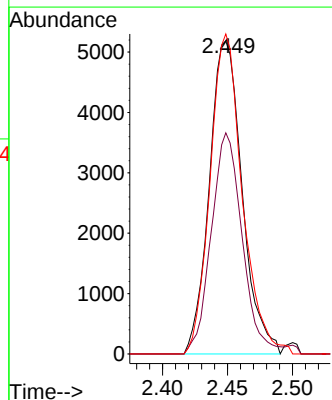
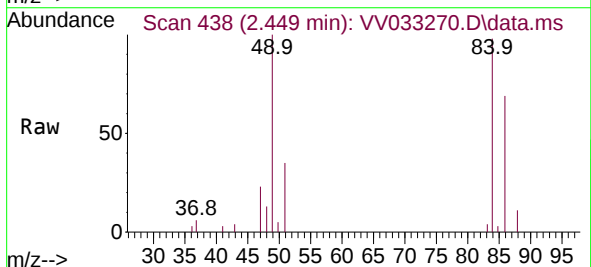
Instrument :
MSVOA_V
ClientSampleId :
VSTD001217

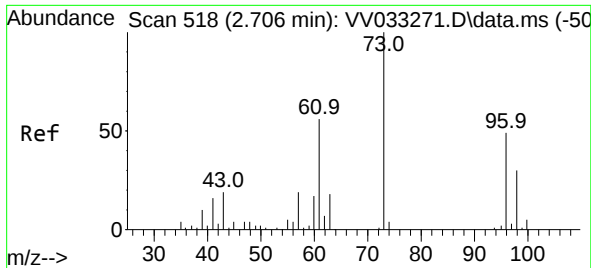
Tgt Ion: 43 Resp: 608
Ion Ratio Lower Upper
43 100
74 53.0 21.0 31.6#



#16
Methylene chloride
Concen: 0.664 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.000 min
Lab File: VV033270.D
Acq: 13 Dec 2023 10:42

Tgt Ion: 84 Resp: 9111
Ion Ratio Lower Upper
84 100
86 70.6 47.5 88.1
49 106.9 68.9 127.9

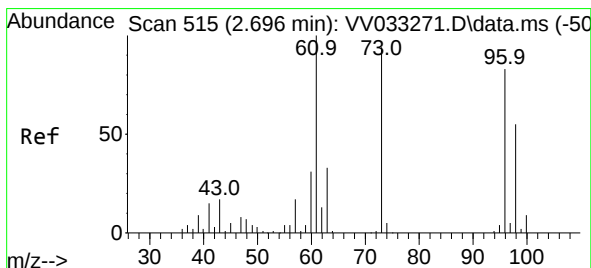
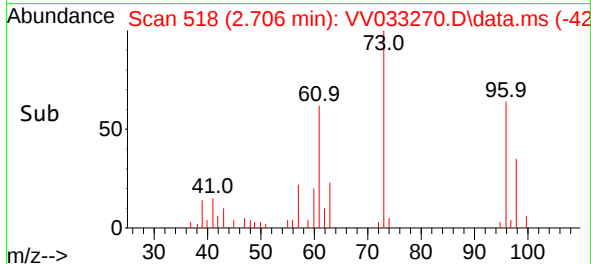
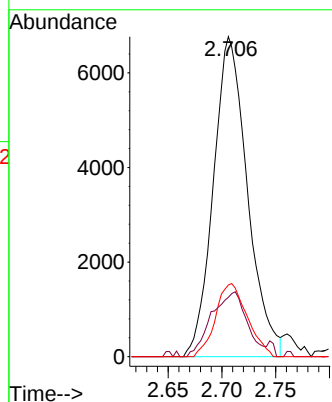
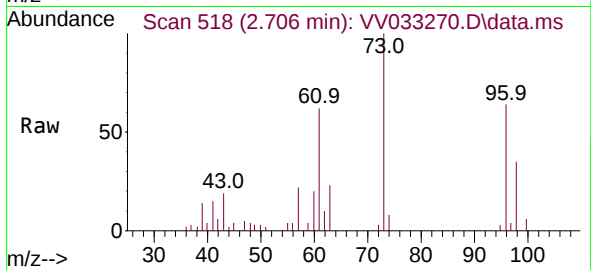




#17
Methyl tert-butyl Ether
Concen: 0.752 ug/L
RT: 2.706 min Scan# 518
Delta R.T. -0.000 min
Lab File: VV033270.D
Acq: 13 Dec 2023 10:42

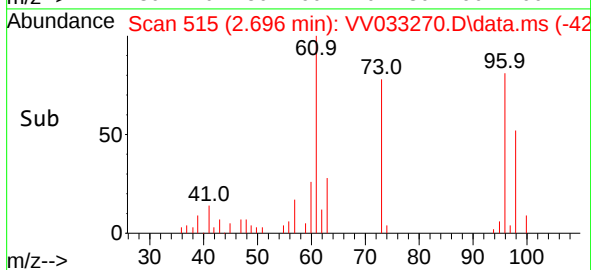
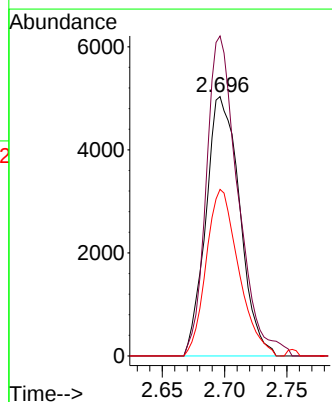
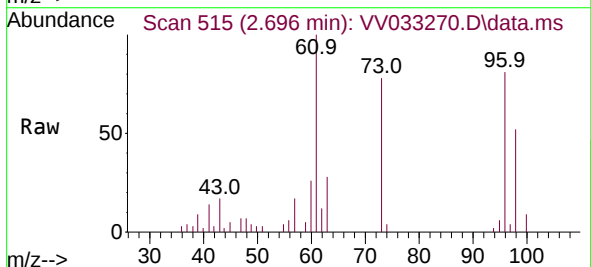
Instrument :
MSVOA_V
ClientSampleId :
VSTD001217

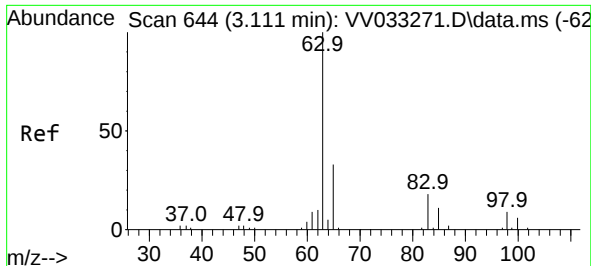
Tgt Ion: 73	Resp: 14889
Ion Ratio	Lower Upper
73 100	
43 21.2	16.0 24.0
57 21.3	15.6 23.4



#18
trans-1,2-Dichloroethene
Concen: 0.845 ug/L
RT: 2.696 min Scan# 515
Delta R.T. -0.000 min
Lab File: VV033270.D
Acq: 13 Dec 2023 10:42

Tgt Ion: 96	Resp: 9496
Ion Ratio	Lower Upper
96 100	
61 123.4	84.6 157.2
98 64.3	46.7 86.7





#19

1,1-Dichloroethane

Concen: 0.755 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV033270.D

Acq: 13 Dec 2023 10:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD001217

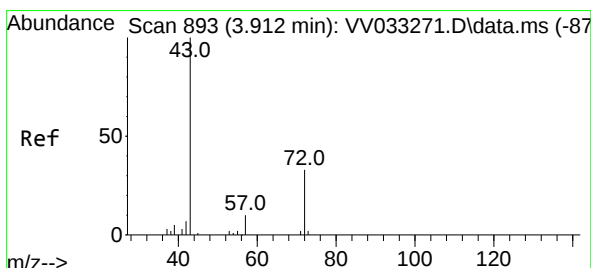
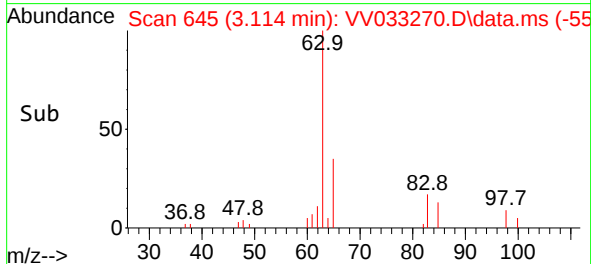
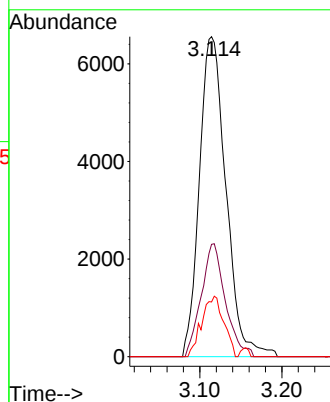
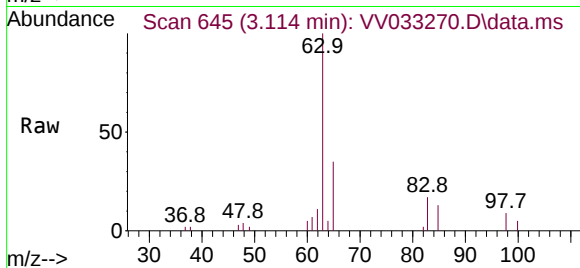
Tgt Ion: 63 Resp: 14734

Ion Ratio Lower Upper

63 100

65 35.1 22.9 42.5

83 17.1 12.6 23.4



#21

2-Butanone

Concen: 0.114 ug/L

RT: 4.166 min Scan# 972

Delta R.T. 0.254 min

Lab File: VV033270.D

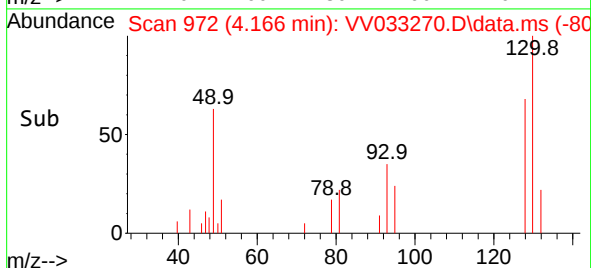
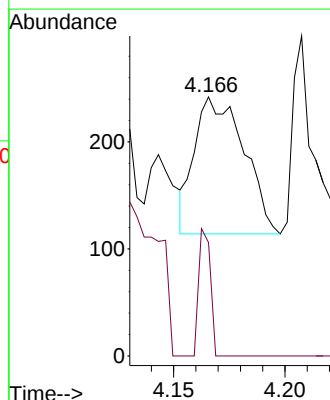
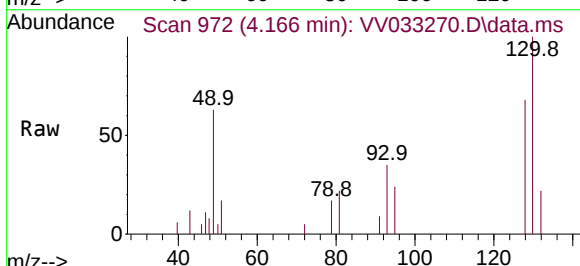
Acq: 13 Dec 2023 10:42

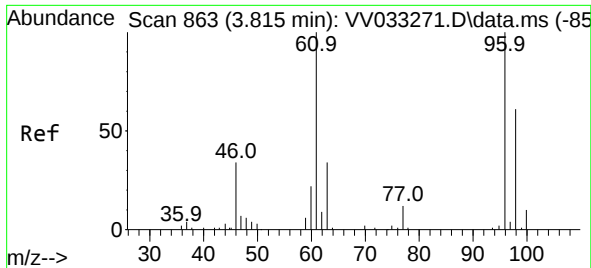
Tgt Ion: 43 Resp: 198

Ion Ratio Lower Upper

43 100

72 21.7 14.8 44.3

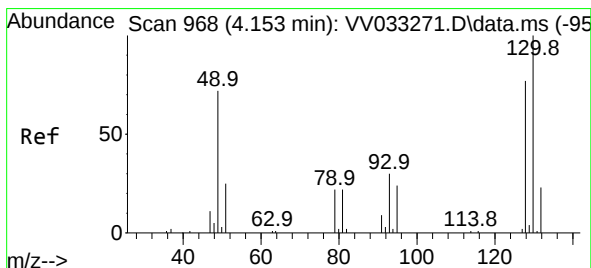
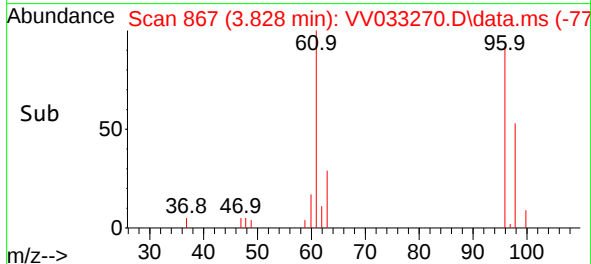
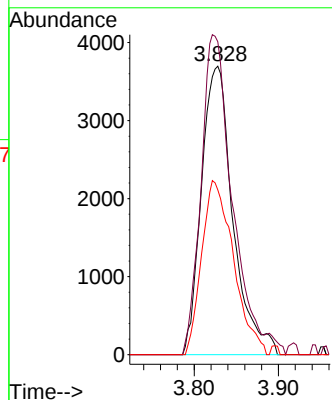
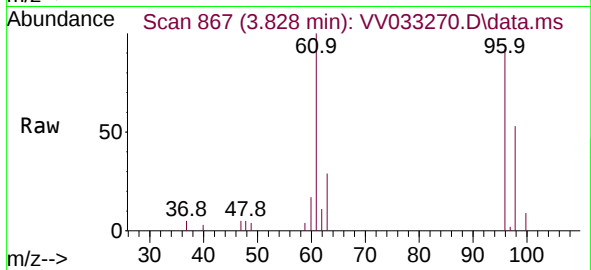




#22
cis-1,2-Dichloroethene
Concen: 0.824 ug/L
RT: 3.828 min Scan# 867
Delta R.T. 0.013 min
Lab File: VV033270.D
Acq: 13 Dec 2023 10:42

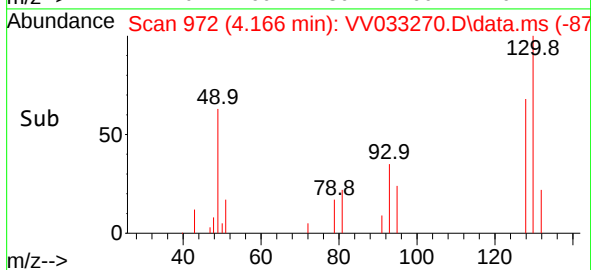
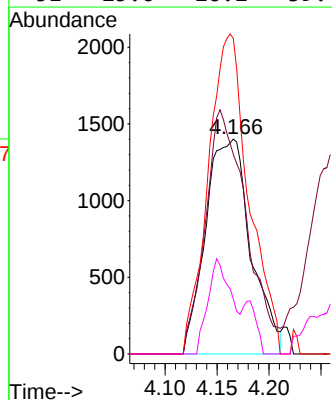
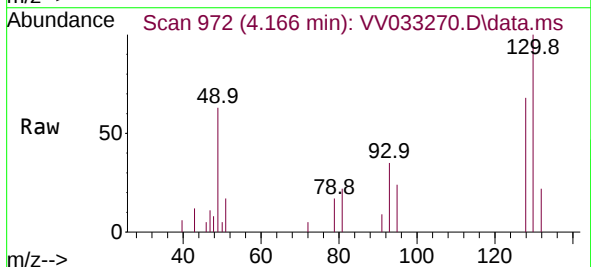
Instrument :
MSVOA_V
ClientSampleId :
VSTD001217

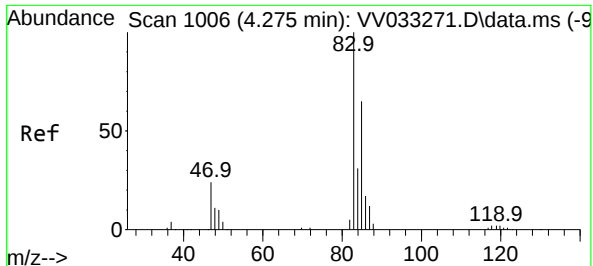
Tgt Ion: 96 Resp: 9600
Ion Ratio Lower Upper
96 100
61 108.5 69.9 129.9
98 57.2 42.4 78.8



#23
Bromochloromethane
Concen: 0.804 ug/L
RT: 4.166 min Scan# 972
Delta R.T. 0.013 min
Lab File: VV033270.D
Acq: 13 Dec 2023 10:42

Tgt Ion: 128 Resp: 4236
Ion Ratio Lower Upper
128 100
49 92.9 65.8 122.2
130 146.9 91.1 169.3
51 25.6 26.2 39.4#





#25

Chloroform

Concen: 0.797 ug/L

RT: 4.281 min Scan# 1006

Delta R.T. 0.006 min

Lab File: VV033270.D

Acq: 13 Dec 2023 10:42

Instrument :

MSVOA_V

ClientSampleId :

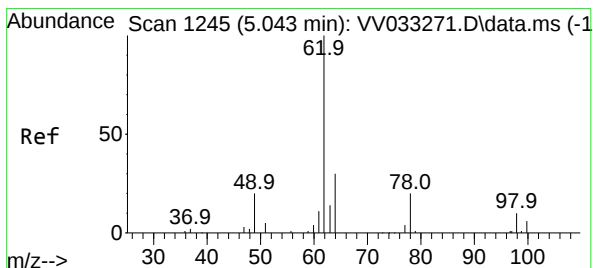
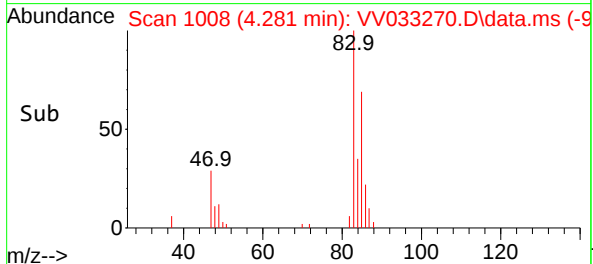
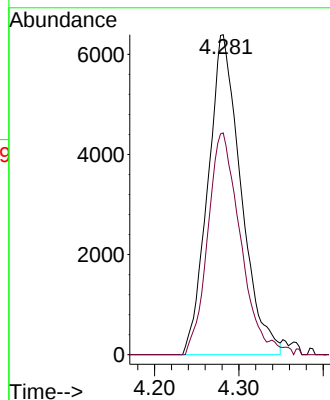
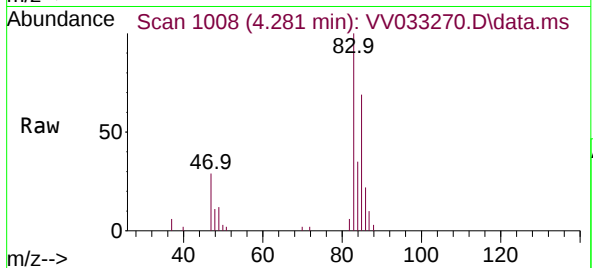
VSTD001217

Tgt Ion: 83 Resp: 17413

Ion Ratio Lower Upper

83 100

85 69.3 45.3 84.1



#27

1,2-Dichloroethane

Concen: 0.847 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. 0.006 min

Lab File: VV033270.D

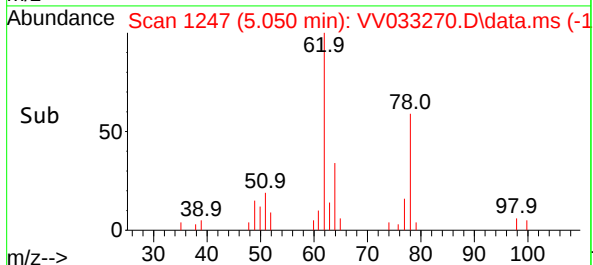
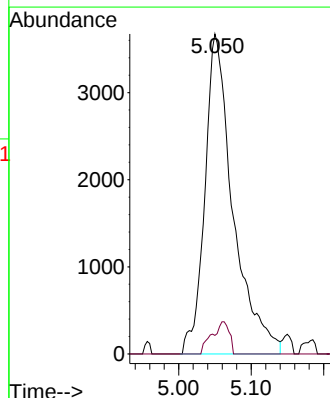
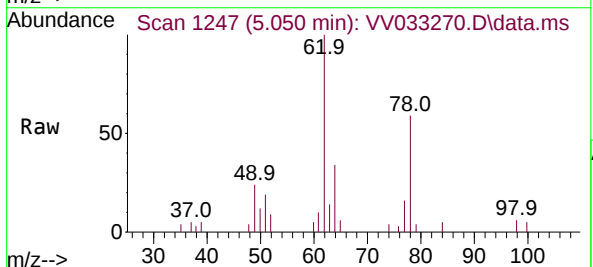
Acq: 13 Dec 2023 10:42

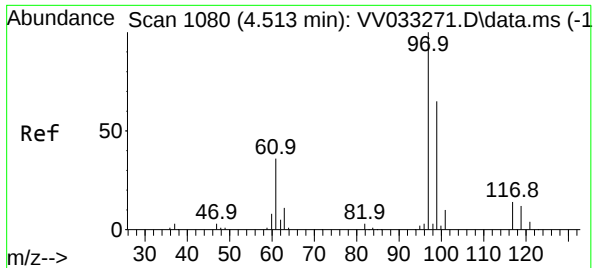
Tgt Ion: 62 Resp: 9921

Ion Ratio Lower Upper

62 100

98 5.8 8.2 12.4#

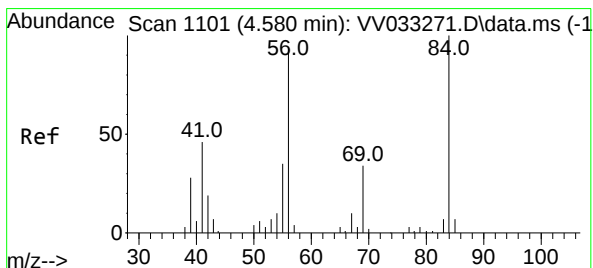
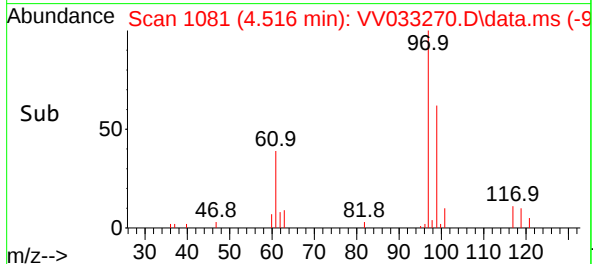
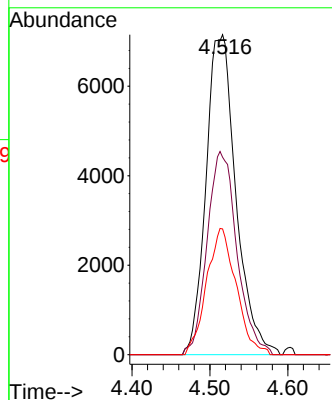
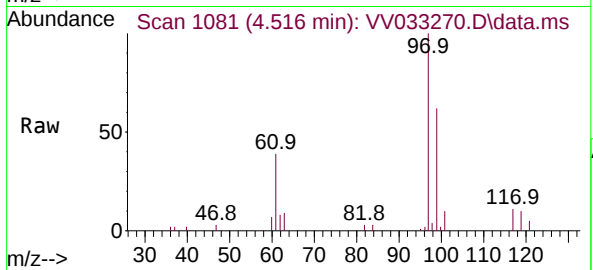




#29
1,1,1-Trichloroethane
Concen: 1.004 ug/L
RT: 4.516 min Scan# 1080
Delta R.T. 0.003 min
Lab File: VV033270.D
Acq: 13 Dec 2023 10:42

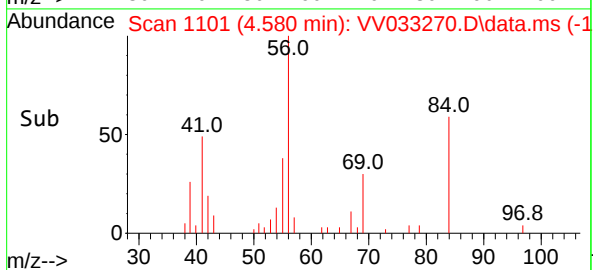
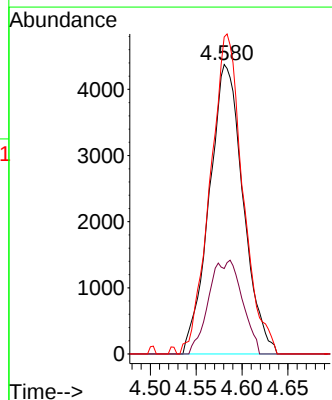
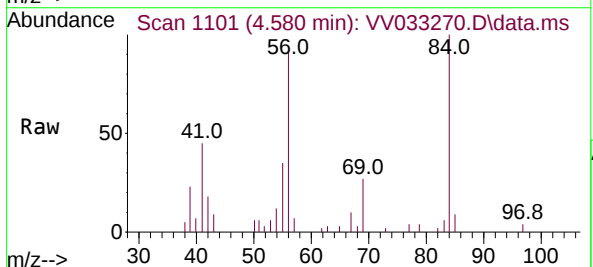
Instrument :
MSVOA_V
ClientSampleId :
VSTD001217

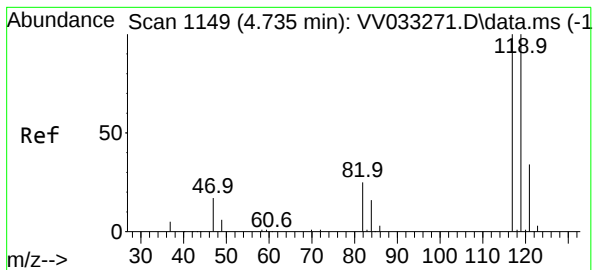
Tgt Ion: 97	Resp:	19131
Ion	Ratio	Lower Upper
97	100	
99	63.3	52.8 79.2
61	39.0	30.3 45.5



#30
Cyclohexane
Concen: 0.857 ug/L
RT: 4.580 min Scan# 1101
Delta R.T. -0.000 min
Lab File: VV033270.D
Acq: 13 Dec 2023 10:42

Tgt Ion: 56	Resp:	11225
Ion	Ratio	Lower Upper
56	100	
69	16.0	28.8 43.2
84	106.5	86.2 129.4





#31

Carbon tetrachloride

Concen: 1.009 ug/L

RT: 4.735 min Scan# 1149

Delta R.T. -0.000 min

Lab File: VV033270.D

Acq: 13 Dec 2023 10:42

Instrument :

MSVOA_V

ClientSampleId :

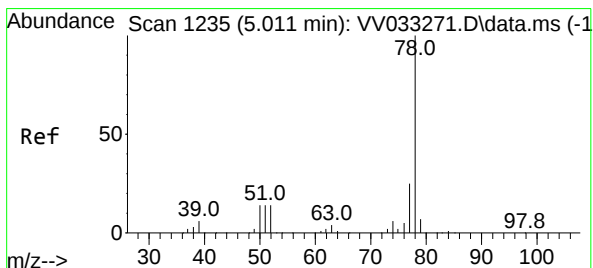
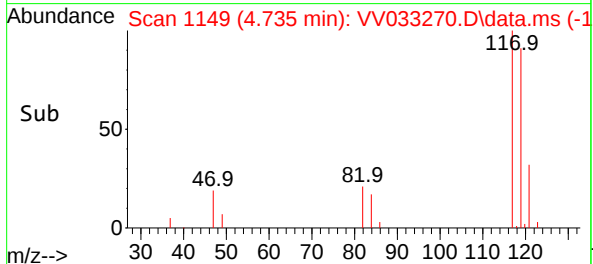
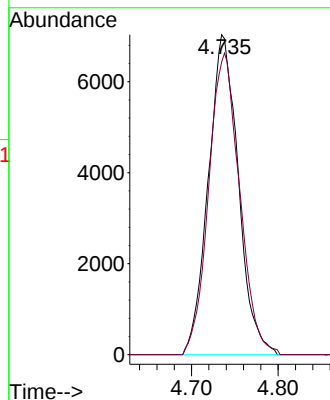
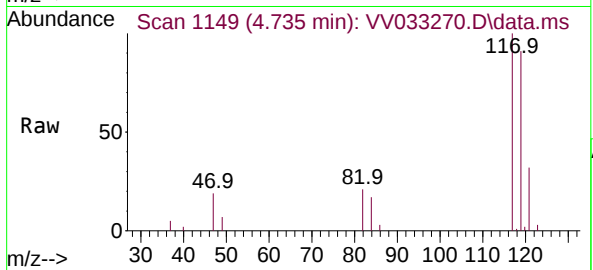
VSTD001217

Tgt Ion:117 Resp: 16897

Ion Ratio Lower Upper

117 100

119 97.3 77.8 116.8



#33

Benzene

Concen: 0.879 ug/L

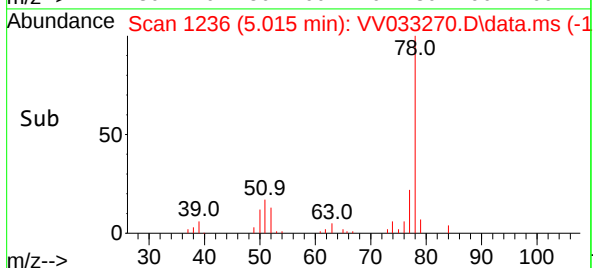
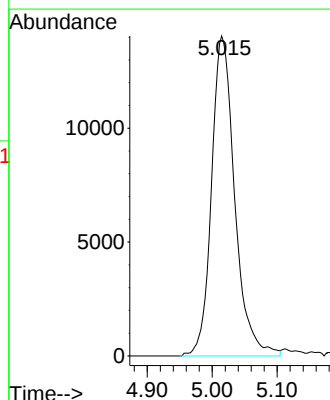
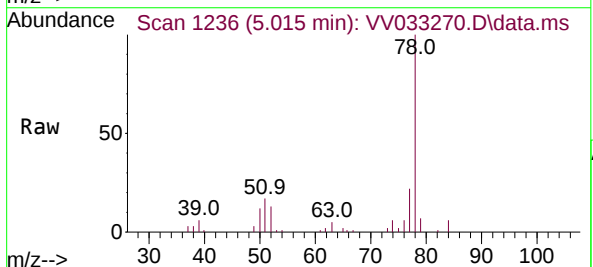
RT: 5.015 min Scan# 1236

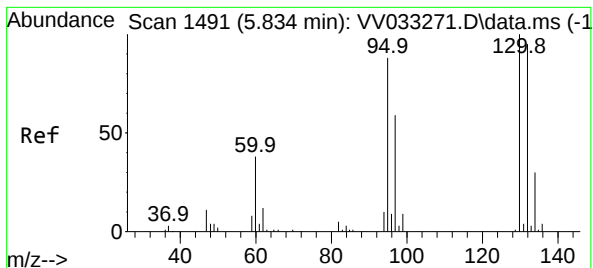
Delta R.T. 0.003 min

Lab File: VV033270.D

Acq: 13 Dec 2023 10:42

Tgt Ion: 78 Resp: 34813





#34

Trichloroethene

Concen: 0.923 ug/L

RT: 5.838 min Scan# 1491

Delta R.T. 0.003 min

Lab File: VV033270.D

Acq: 13 Dec 2023 10:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD001217

Tgt Ion: 95 Resp: 10264

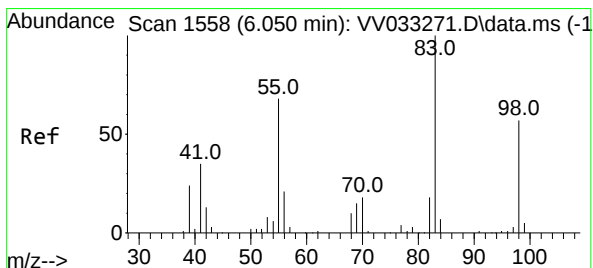
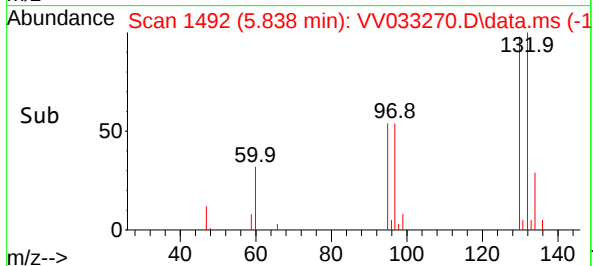
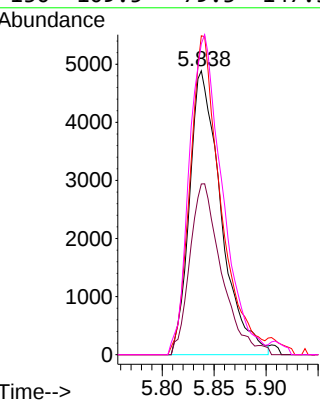
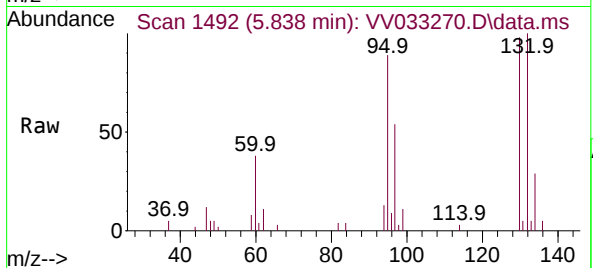
Ion Ratio Lower Upper

95 100

97 60.1 46.5 86.5

132 112.3 75.1 139.5

130 109.5 79.3 147.3



#35

Methylcyclohexane

Concen: 0.974 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. -0.000 min

Lab File: VV033270.D

Acq: 13 Dec 2023 10:42

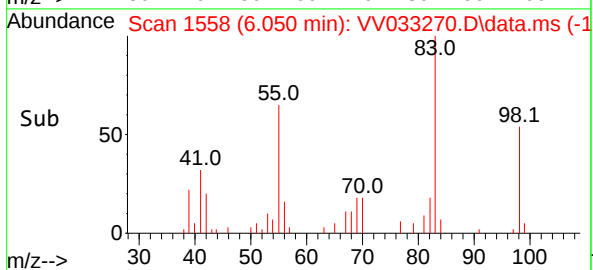
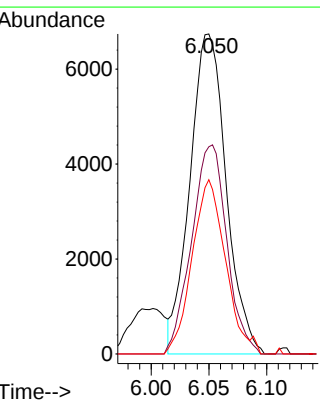
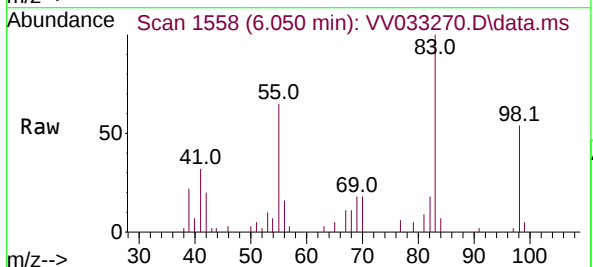
Tgt Ion: 83 Resp: 14714

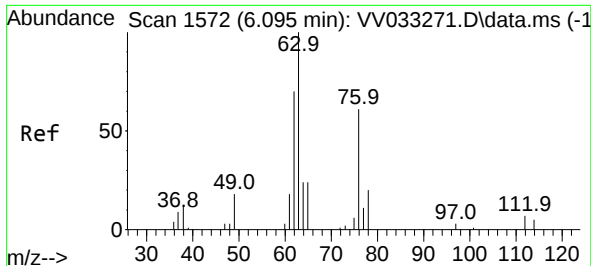
Ion Ratio Lower Upper

83 100

55 63.5 50.7 76.1

98 50.2 42.4 63.6

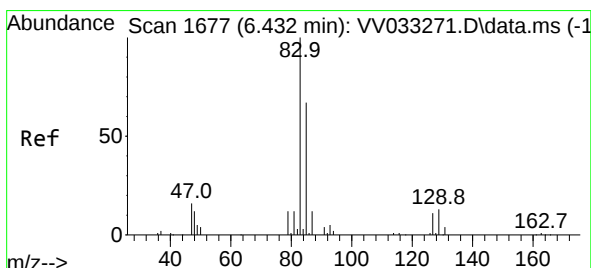
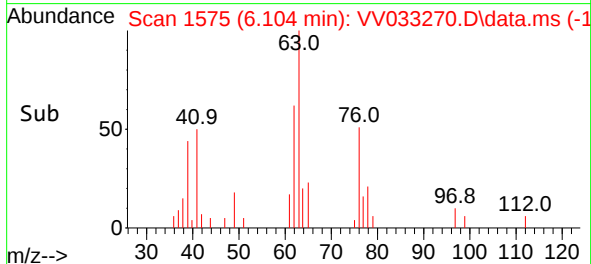
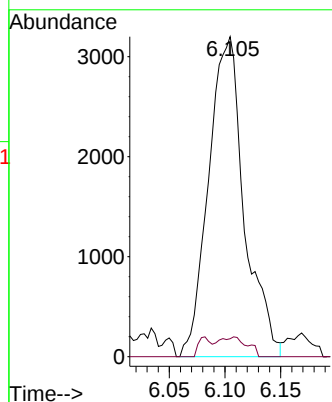
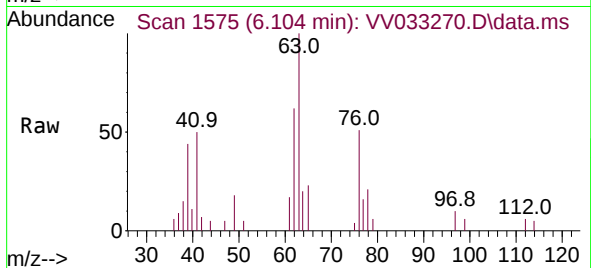




#37
1,2-Dichloropropane
Concen: 0.754 ug/L
RT: 6.104 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV033270.D
Acq: 13 Dec 2023 10:42

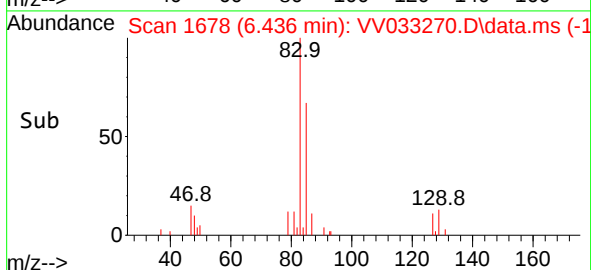
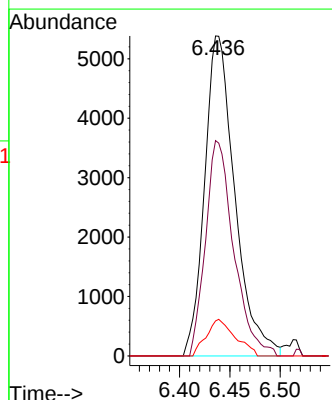
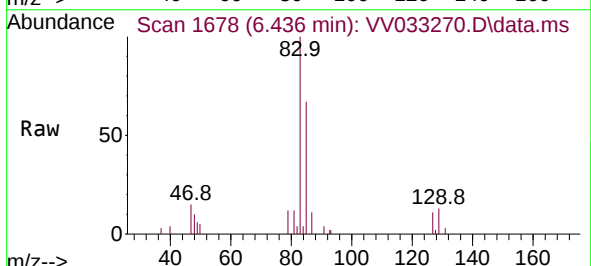
Instrument :
MSVOA_V
ClientSampleId :
VSTD001217

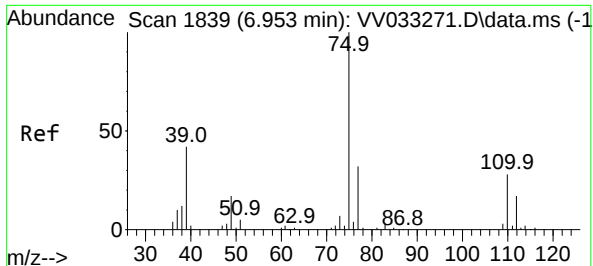
Tgt Ion: 63 Resp: 7127
Ion Ratio Lower Upper
63 100
112 4.9 5.0 7.6#



#38
Bromodichloromethane
Concen: 0.829 ug/L
RT: 6.436 min Scan# 1678
Delta R.T. 0.003 min
Lab File: VV033270.D
Acq: 13 Dec 2023 10:42

Tgt Ion: 83 Resp: 11269
Ion Ratio Lower Upper
83 100
85 67.3 46.6 86.6
127 10.9 8.6 13.0





#39

cis-1,3-Dichloropropene

Concen: 0.786 ug/L

RT: 6.963 min Scan# 11

Delta R.T. 0.010 min

Lab File: VV033270.D

Acq: 13 Dec 2023 10:42

Instrument :

MSVOA_V

ClientSampleId :

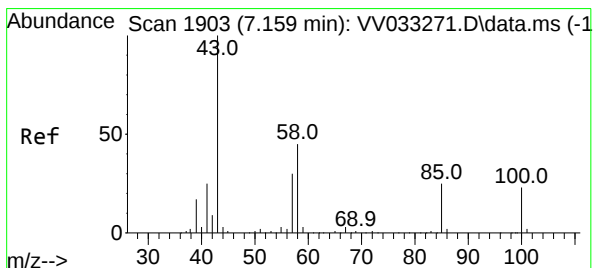
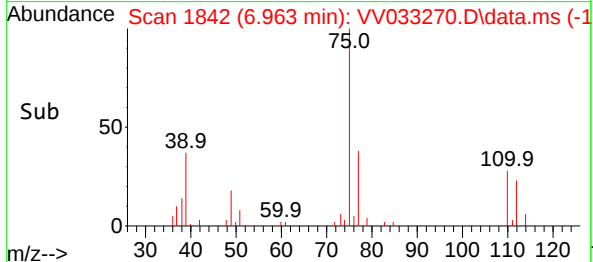
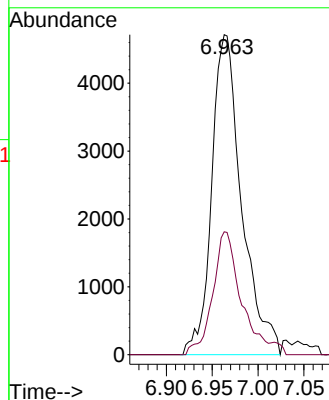
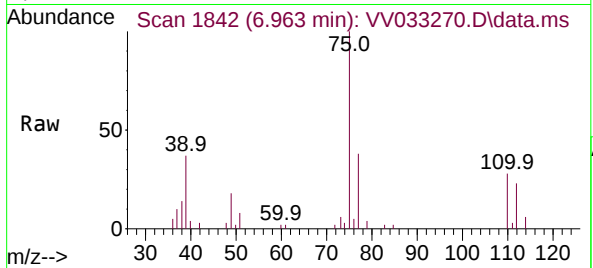
VSTD001217

Tgt Ion: 75 Resp: 10693

Ion Ratio Lower Upper

75 100

77 38.4 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 6.065 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.010 min

Lab File: VV033270.D

Acq: 13 Dec 2023 10:42

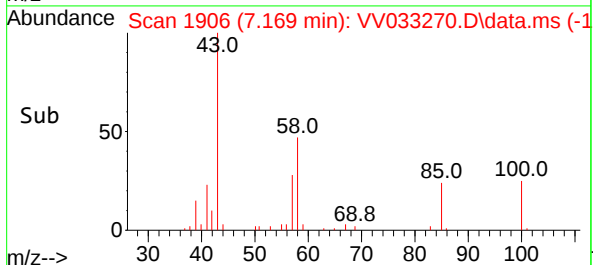
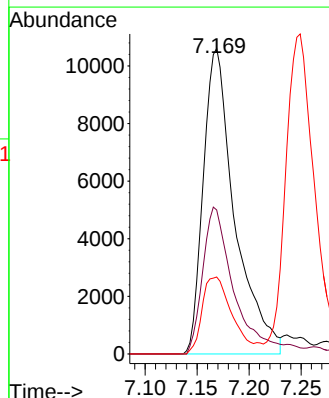
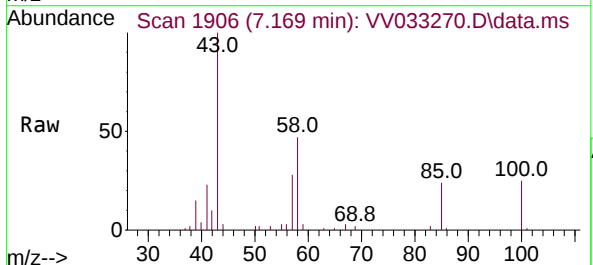
Tgt Ion: 43 Resp: 22351

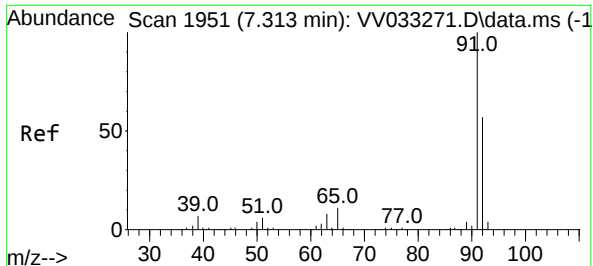
Ion Ratio Lower Upper

43 100

58 48.4 36.2 54.2

100 24.7 18.8 28.2





#42

Toluene

Concen: 0.861 ug/L

RT: 7.320 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VV033270.D

Acq: 13 Dec 2023 10:42

Instrument :

MSVOA_V

ClientSampleId :

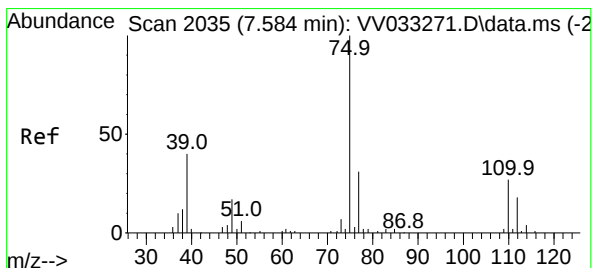
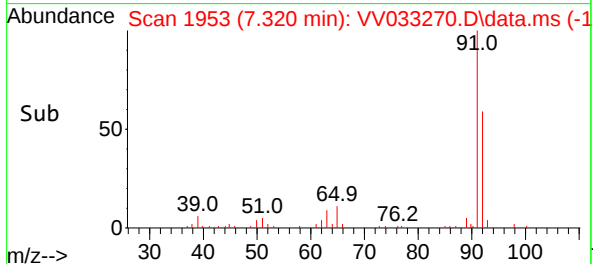
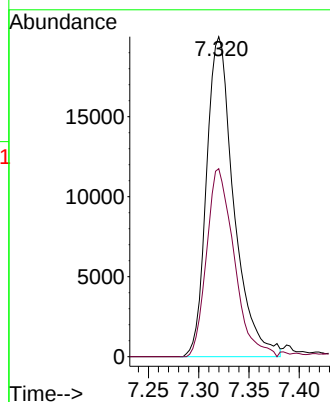
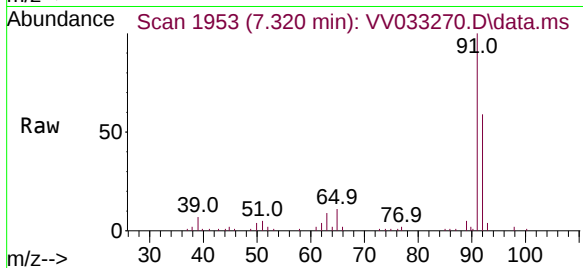
VSTD001217

Tgt Ion: 91 Resp: 37811

Ion Ratio Lower Upper

91 100

92 58.7 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 0.837 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.006 min

Lab File: VV033270.D

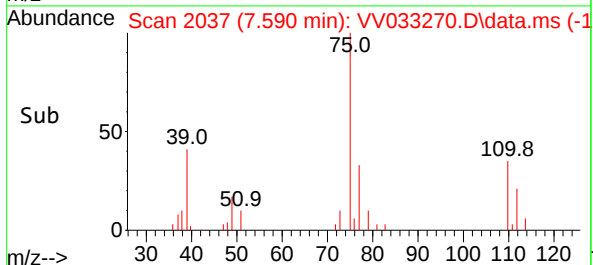
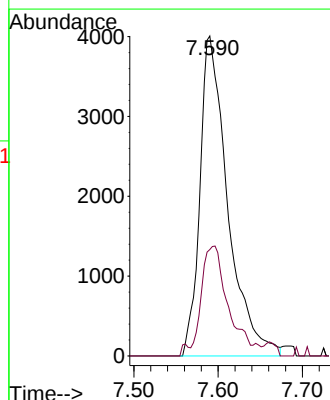
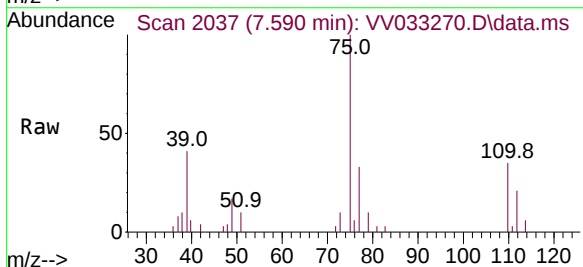
Acq: 13 Dec 2023 10:42

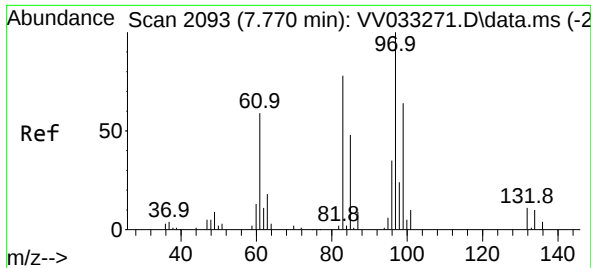
Tgt Ion: 75 Resp: 9221

Ion Ratio Lower Upper

75 100

77 33.2 21.7 40.3



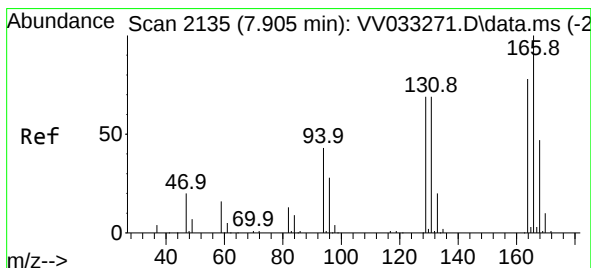
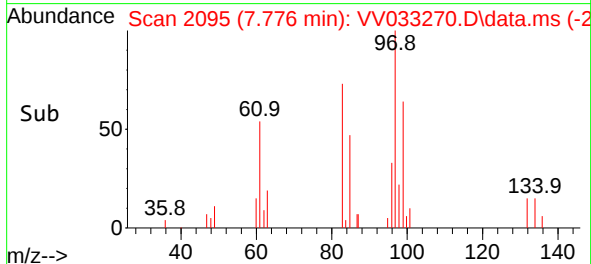
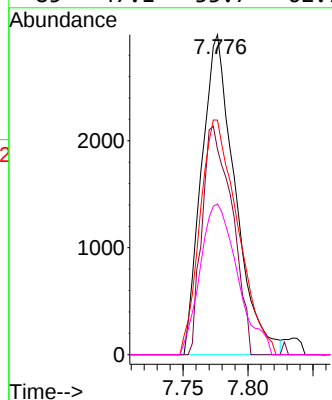
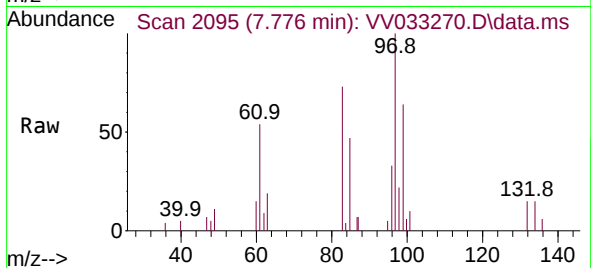


#45
1,1,2-Trichloroethane
Concen: 0.774 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. 0.006 min
Lab File: VV033270.D
Acq: 13 Dec 2023 10:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD001217

Tgt Ion: 97 Resp: 5373

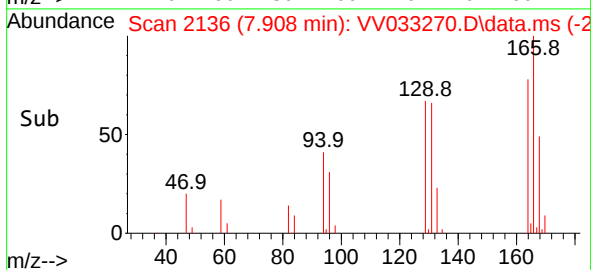
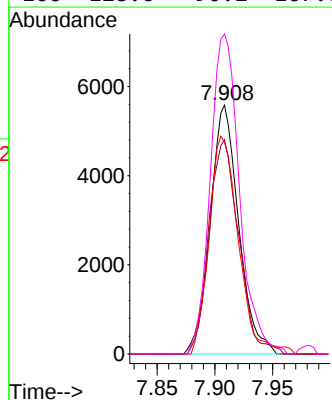
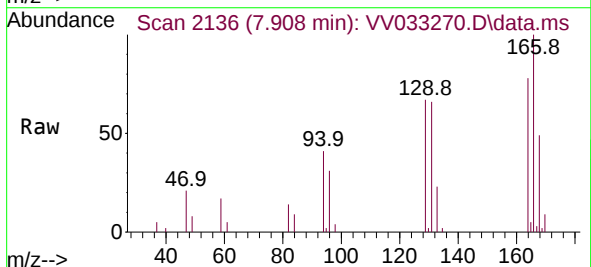
Ion	Ratio	Lower	Upper
97	100		
99	64.2	44.5	82.7
83	73.3	54.7	101.5
85	47.1	33.7	62.7

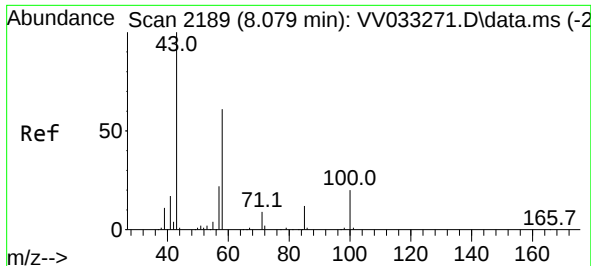


#47
Tetrachloroethene
Concen: 0.992 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.003 min
Lab File: VV033270.D
Acq: 13 Dec 2023 10:42

Tgt Ion: 164 Resp: 9538

Ion	Ratio	Lower	Upper
164	100		
129	86.1	62.6	116.3
131	84.9	62.6	116.3
166	128.6	90.2	167.6

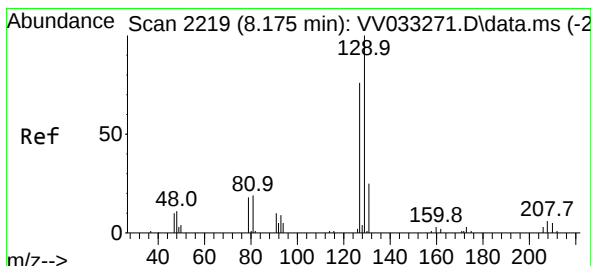
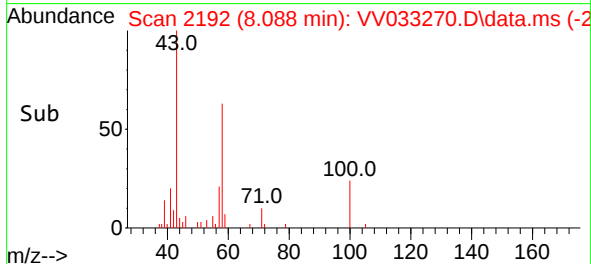
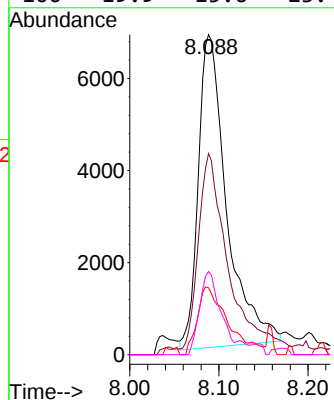
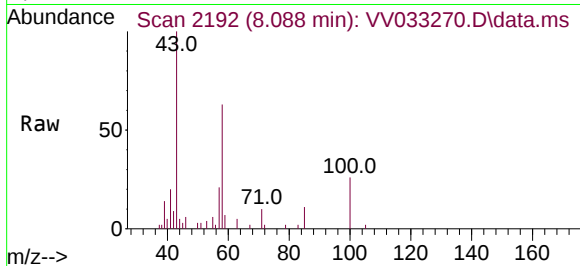




#48
2-Hexanone
Concen: 5.475 ug/L
RT: 8.088 min Scan# 2189
Delta R.T. 0.010 min
Lab File: VV033270.D
Acq: 13 Dec 2023 10:42

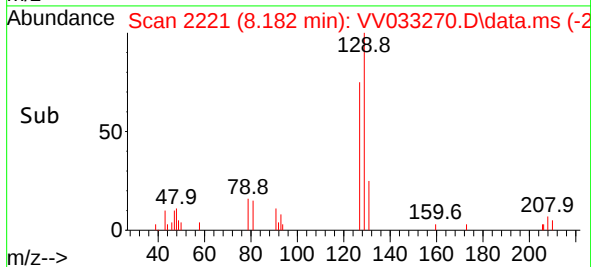
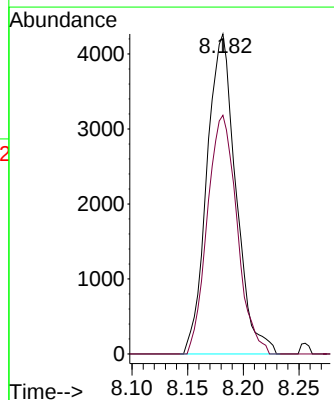
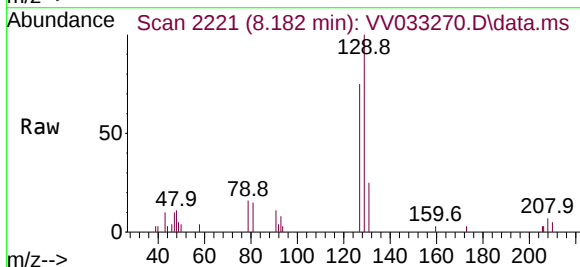
Instrument :
MSVOA_V
ClientSampleId :
VSTD001217

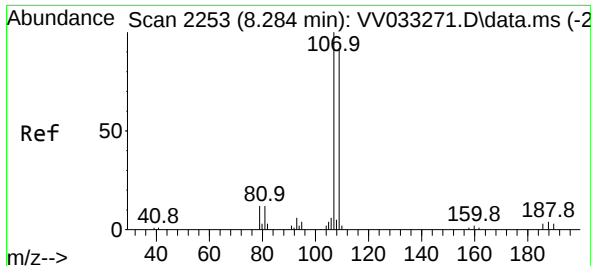
Tgt Ion:	43	Resp:	15074
Ion	Ratio	Lower	Upper
43	100		
58	65.9	48.6	72.8
57	23.3	18.1	27.1
100	19.9	15.6	23.4



#49
Dibromochloromethane
Concen: 0.896 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.006 min
Lab File: VV033270.D
Acq: 13 Dec 2023 10:42

Tgt Ion:	129	Resp:	7734
Ion	Ratio	Lower	Upper
129	100		
127	74.6	53.2	98.8





#50

1,2-Dibromoethane

Concen: 0.782 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.006 min

Lab File: VV033270.D

Acq: 13 Dec 2023 10:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD001217

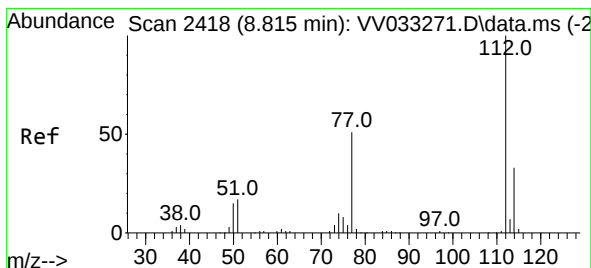
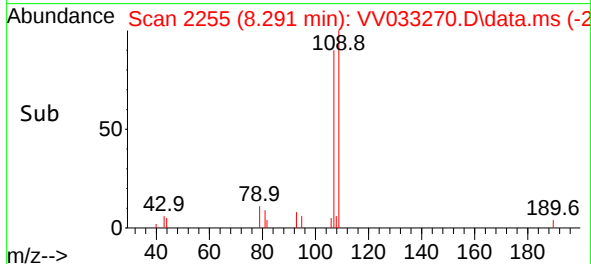
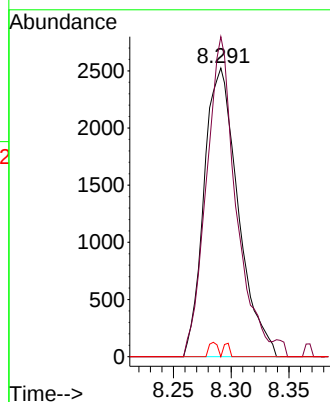
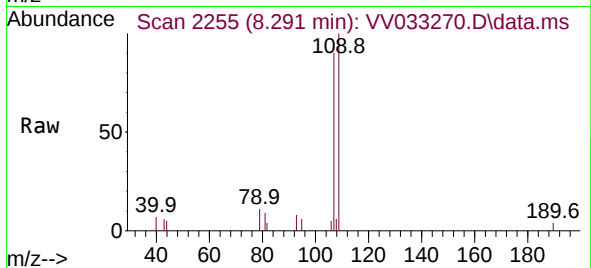
Tgt Ion:107 Resp: 5182

Ion Ratio Lower Upper

107 100

109 110.9 64.2 119.2

188 0.0 3.4 5.2#



#51

Chlorobenzene

Concen: 0.930 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.003 min

Lab File: VV033270.D

Acq: 13 Dec 2023 10:42

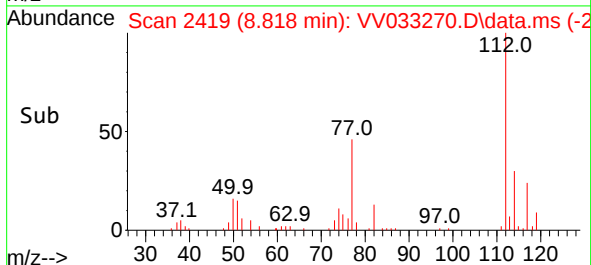
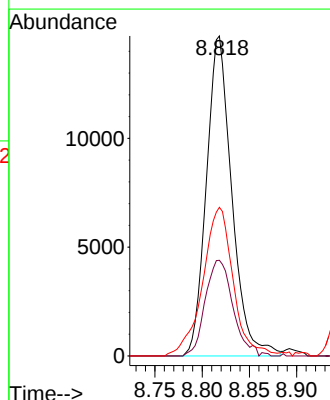
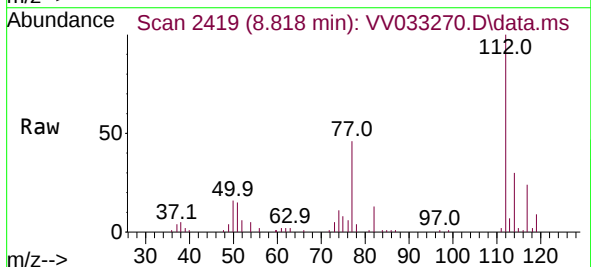
Tgt Ion:112 Resp: 27536

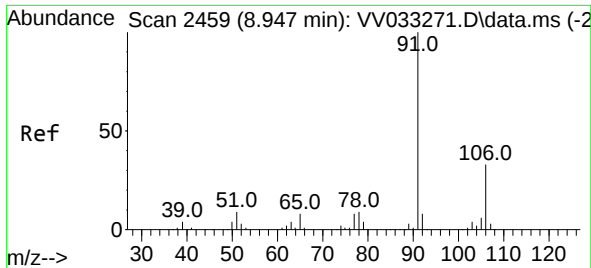
Ion Ratio Lower Upper

112 100

114 29.9 22.8 42.4

77 46.5 41.3 61.9

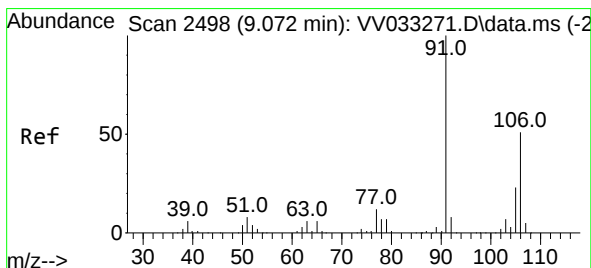
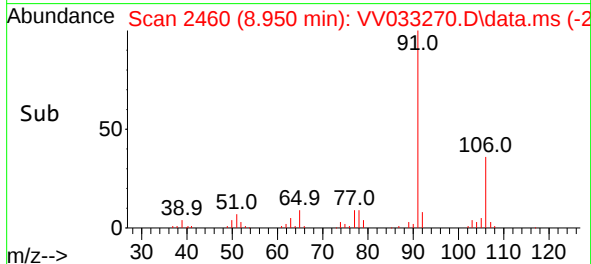
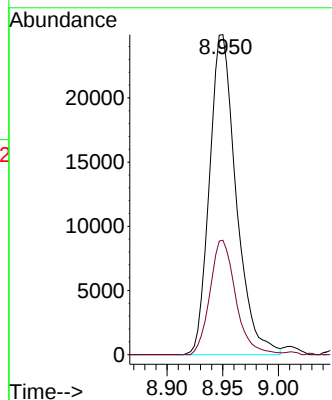
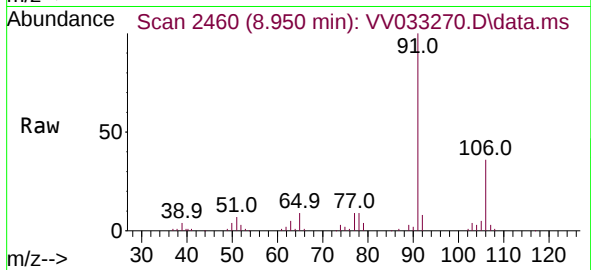




#52
Ethylbenzene
Concen: 0.896 ug/L
RT: 8.950 min Scan# 2459
Delta R.T. 0.003 min
Lab File: VV033270.D
Acq: 13 Dec 2023 10:42

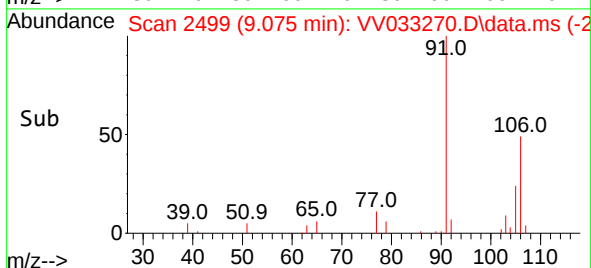
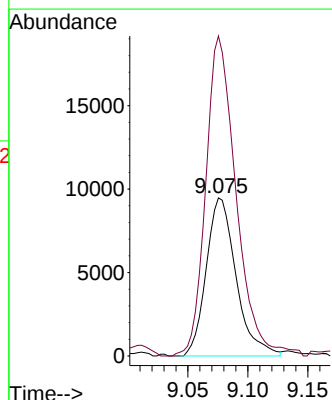
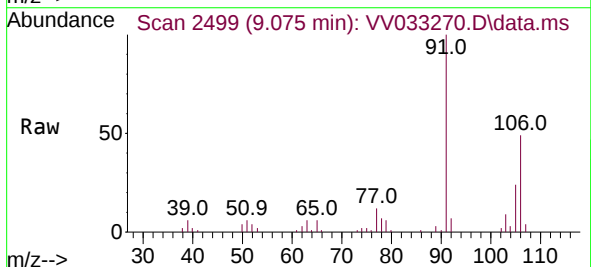
Instrument :
MSVOA_V
ClientSampleId :
VSTD001217

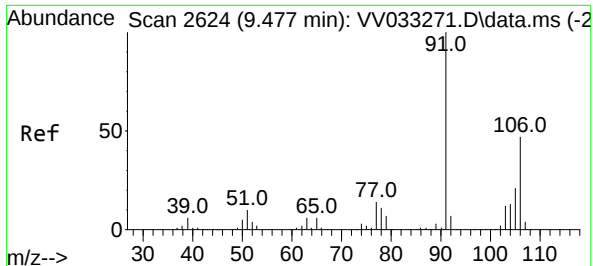
Tgt Ion: 91 Resp: 41570
Ion Ratio Lower Upper
91 100
106 35.7 22.7 42.3



#53
m,p-Xylene
Concen: 0.896 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.003 min
Lab File: VV033270.D
Acq: 13 Dec 2023 10:42

Tgt Ion: 106 Resp: 16395
Ion Ratio Lower Upper
106 100
91 202.4 136.8 254.0

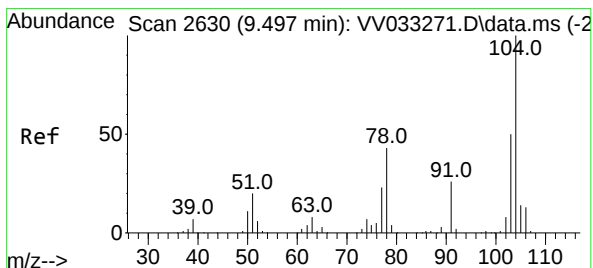
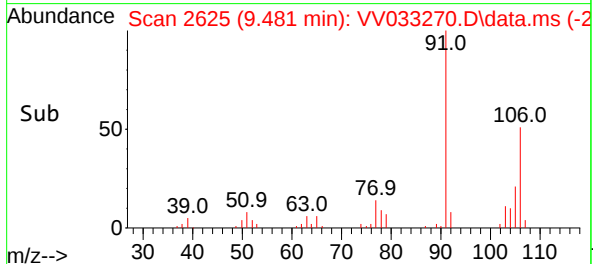
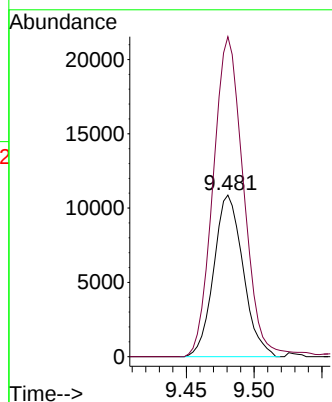
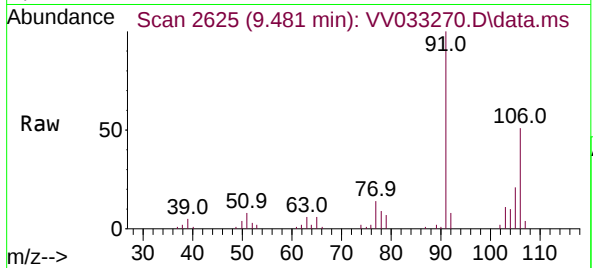




#54
o-Xylene
Concen: 0.949 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.003 min
Lab File: VV033270.D
Acq: 13 Dec 2023 10:42

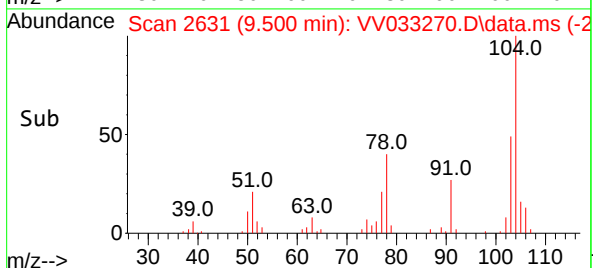
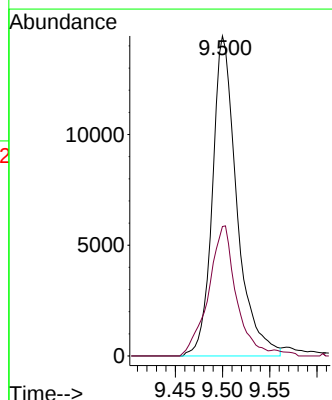
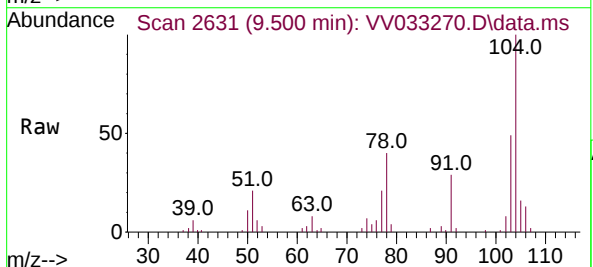
Instrument :
MSVOA_V
ClientSampleId :
VSTD001217

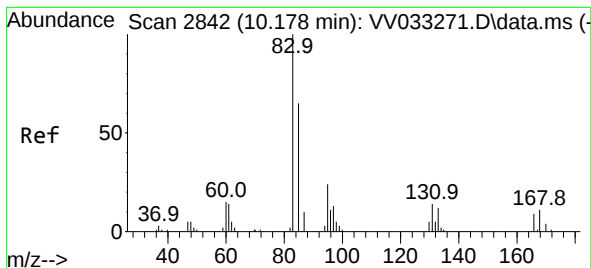
Tgt Ion:106 Resp: 16381
Ion Ratio Lower Upper
106 100
91 198.0 149.9 278.5



#55
Styrene
Concen: 0.880 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.003 min
Lab File: VV033270.D
Acq: 13 Dec 2023 10:42

Tgt Ion:104 Resp: 25973
Ion Ratio Lower Upper
104 100
78 40.4 29.9 55.5

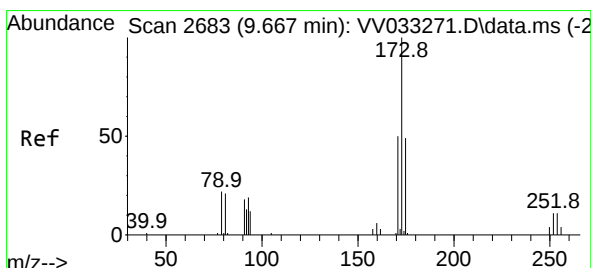
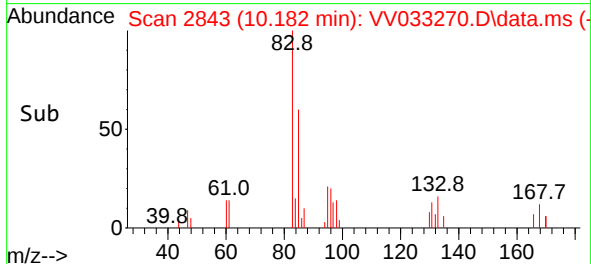
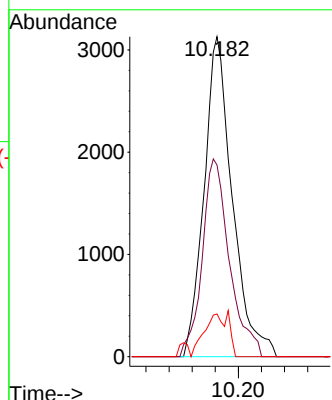
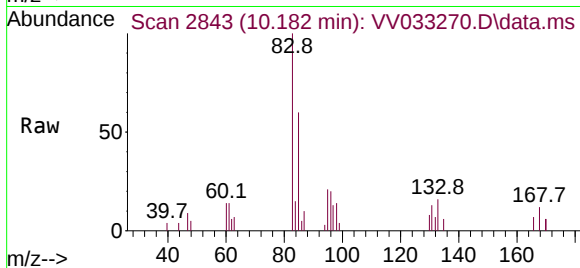




#57
1,1,2,2-Tetrachloroethane
Concen: 0.700 ug/L
RT: 10.182 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VV033270.D
Acq: 13 Dec 2023 10:42

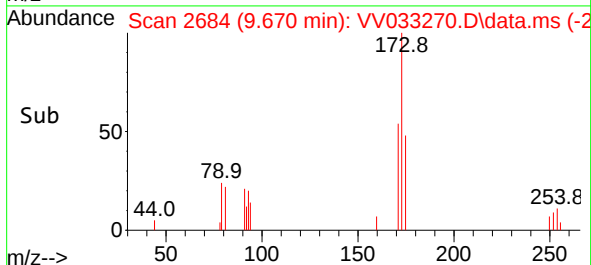
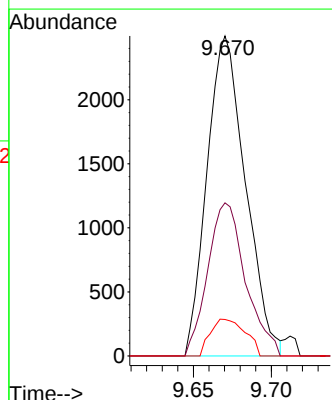
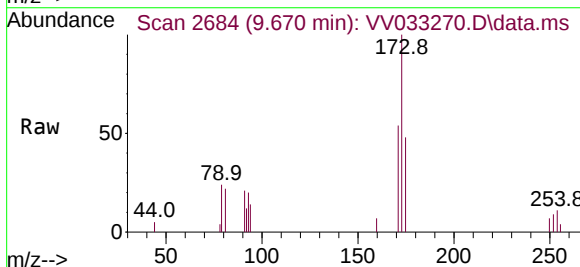
Instrument :
MSVOA_V
ClientSampleId :
VSTD001217

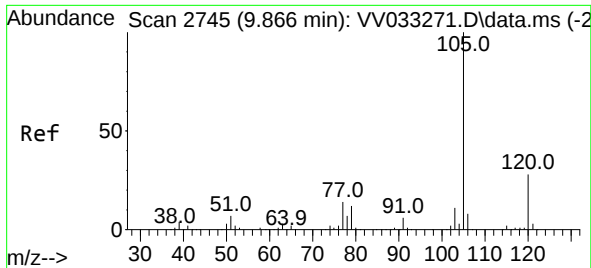
Tgt Ion: 83 Resp: 5309
Ion Ratio Lower Upper
83 100
85 59.9 45.4 84.4
131 13.4 11.5 17.3



#59
Bromoform
Concen: 0.944 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.003 min
Lab File: VV033270.D
Acq: 13 Dec 2023 10:42

Tgt Ion: 173 Resp: 4296
Ion Ratio Lower Upper
173 100
175 47.0 37.0 55.4
254 10.4 8.5 12.7

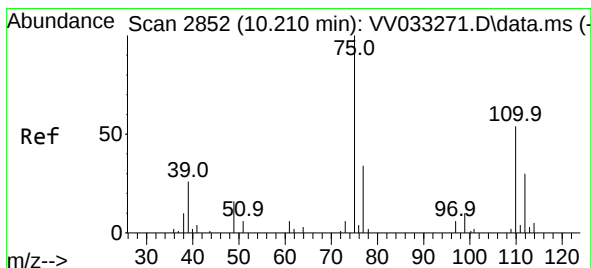
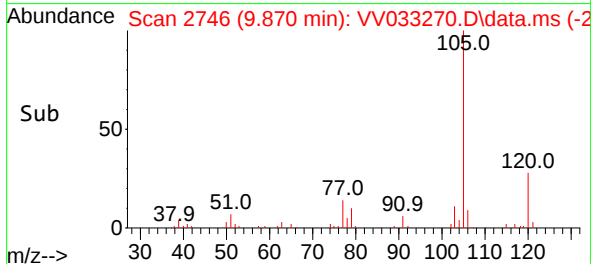
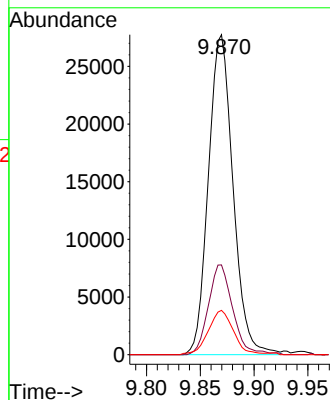
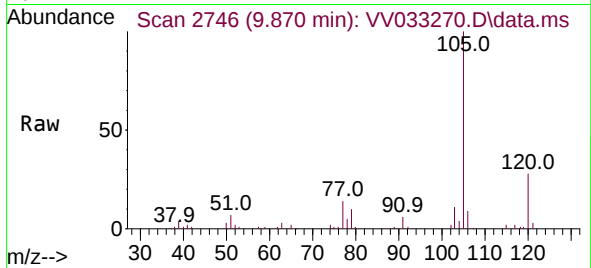




#60
Isopropylbenzene
Concen: 0.978 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV033270.D
Acq: 13 Dec 2023 10:42

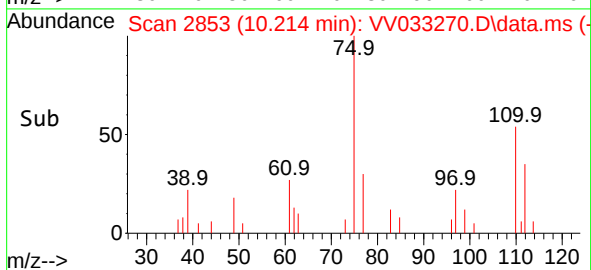
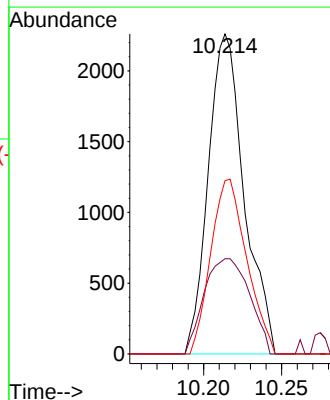
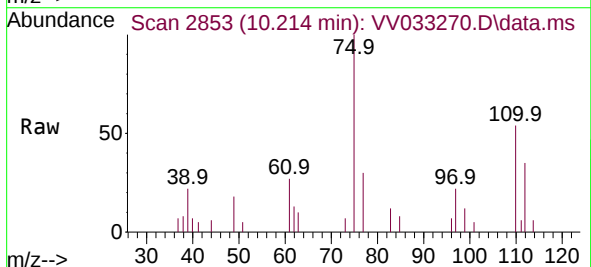
Instrument :
MSVOA_V
ClientSampleId :
VSTD001217

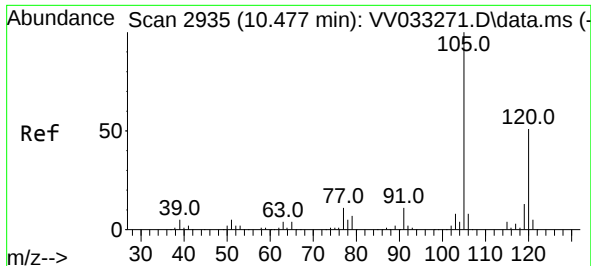
Tgt Ion:105 Resp: 44190
Ion Ratio Lower Upper
105 100
120 27.7 22.2 33.4
77 14.1 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 0.730 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.003 min
Lab File: VV033270.D
Acq: 13 Dec 2023 10:42

Tgt Ion: 75 Resp: 3619
Ion Ratio Lower Upper
75 100
77 37.6 27.4 41.2
110 54.7 39.4 59.2

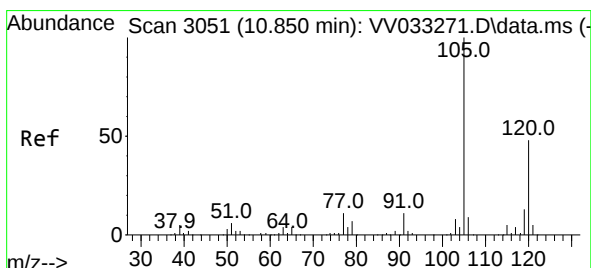
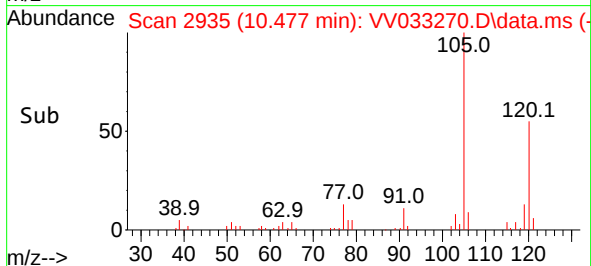
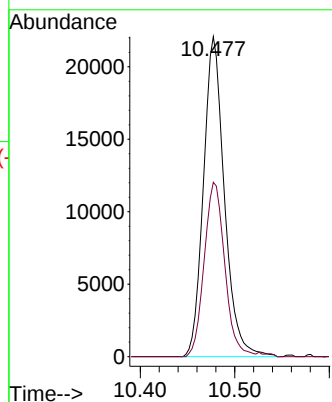
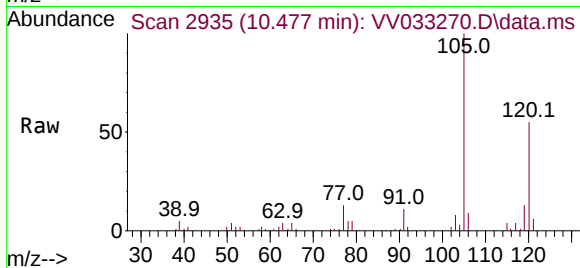




#62
1,3,5-Trimethylbenzene
Concen: 0.945 ug/L
RT: 10.477 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VV033270.D
Acq: 13 Dec 2023 10:42

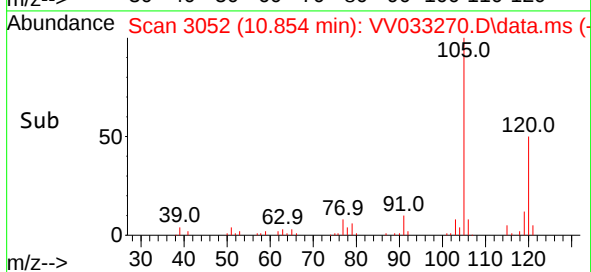
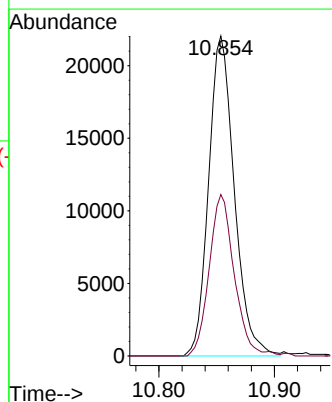
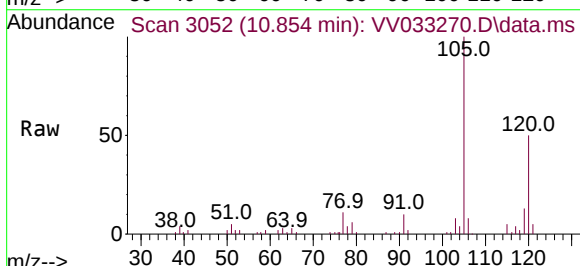
Instrument :
MSVOA_V
ClientSampleId :
VSTD001217

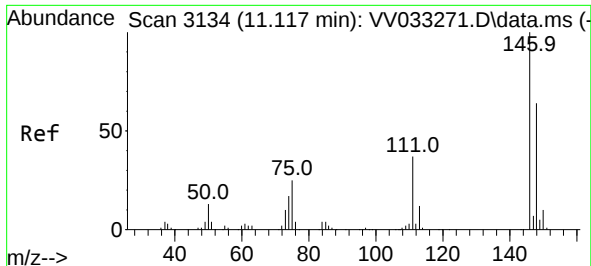
Tgt Ion:105 Resp: 34001
Ion Ratio Lower Upper
105 100
120 53.5 41.7 62.5



#63
1,2,4-Trimethylbenzene
Concen: 0.944 ug/L
RT: 10.854 min Scan# 3052
Delta R.T. 0.003 min
Lab File: VV033270.D
Acq: 13 Dec 2023 10:42

Tgt Ion:105 Resp: 34009
Ion Ratio Lower Upper
105 100
120 49.3 38.1 57.1

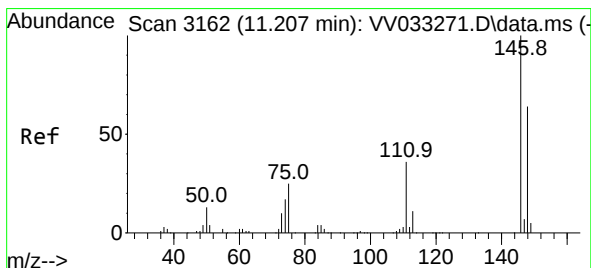
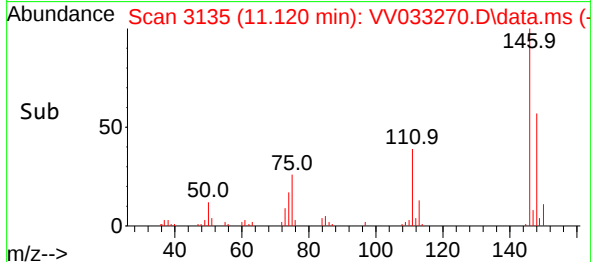
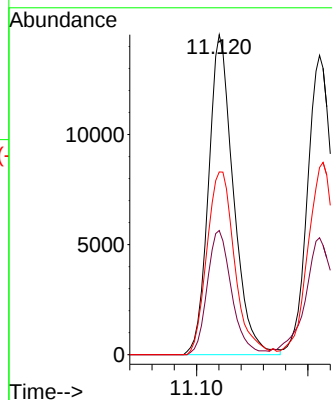
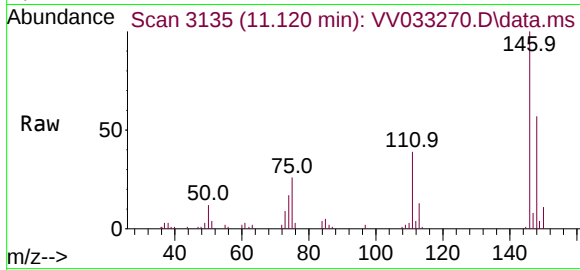




#64
1,3-Dichlorobenzene
Concen: 0.943 ug/L
RT: 11.120 min Scan# 3134
Delta R.T. 0.003 min
Lab File: VV033270.D
Acq: 13 Dec 2023 10:42

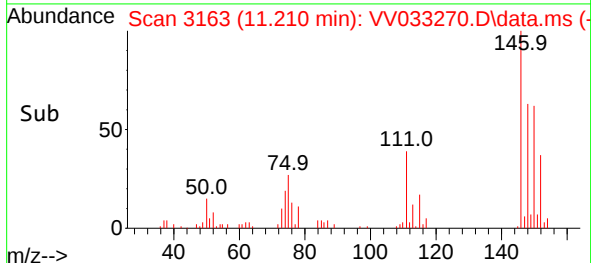
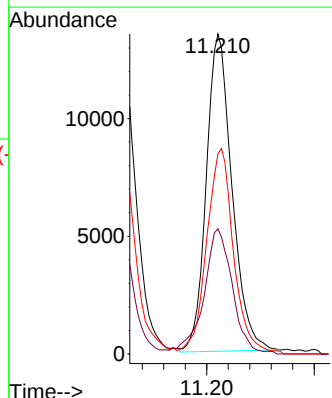
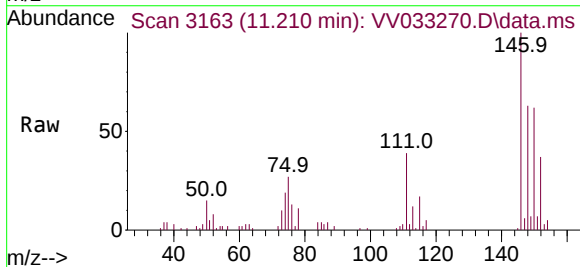
Instrument :
MSVOA_V
ClientSampleId :
VSTD001217

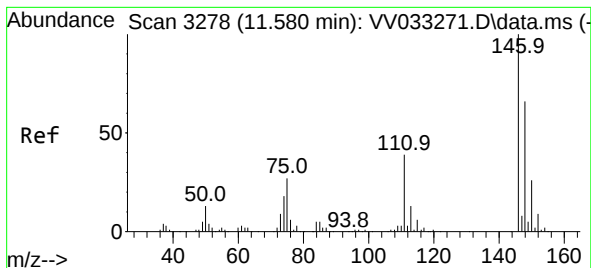
Tgt Ion:146 Resp: 22571
Ion Ratio Lower Upper
146 100
111 38.8 26.0 48.2
148 57.1 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 0.919 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VV033270.D
Acq: 13 Dec 2023 10:42

Tgt Ion:146 Resp: 22393
Ion Ratio Lower Upper
146 100
111 39.1 25.6 47.4
148 62.6 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 0.973 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV033270.D

Acq: 13 Dec 2023 10:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD001217

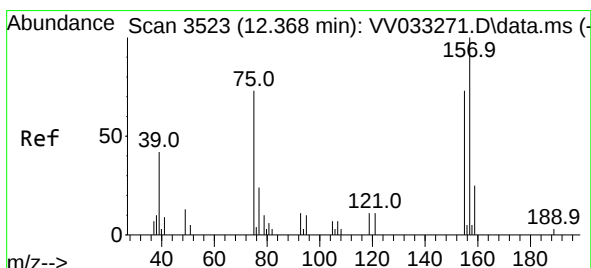
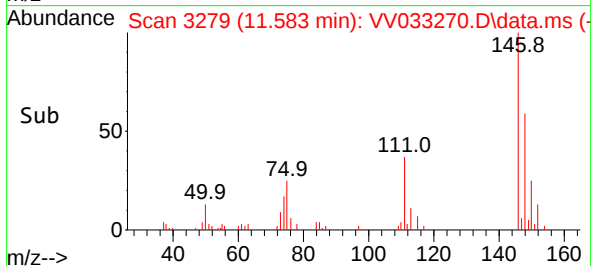
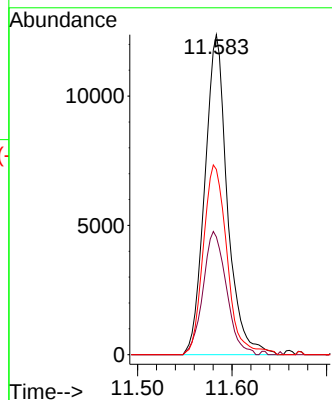
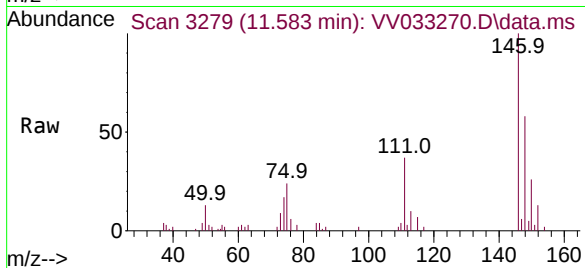
Tgt Ion:146 Resp: 20524

Ion Ratio Lower Upper

146 100

111 36.8 31.0 46.4

148 57.9 52.6 79.0



#68

1,2-Dibromo-3-chloropropane

Concen: 0.786 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.003 min

Lab File: VV033270.D

Acq: 13 Dec 2023 10:42

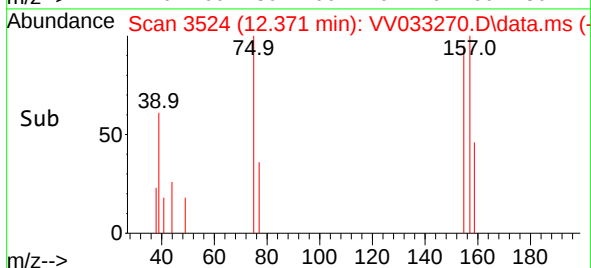
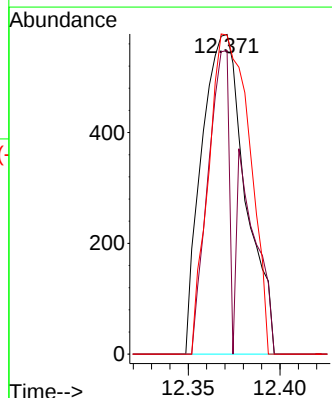
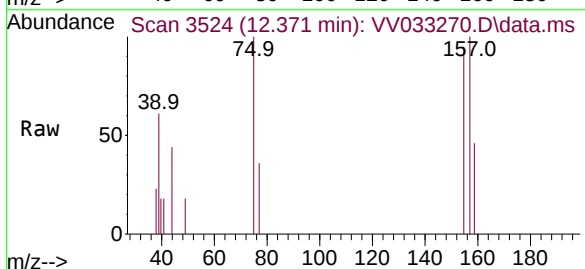
Tgt Ion: 75 Resp: 958

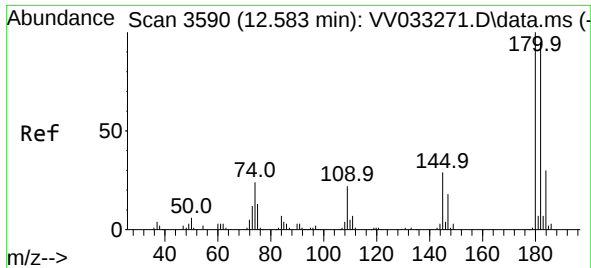
Ion Ratio Lower Upper

75 100

155 95.0 79.8 119.8

157 99.8 110.2 165.2#





#69

1,3,5-Trichlorobenzene

Concen: 0.976 ug/L

RT: 12.583 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033270.D

Acq: 13 Dec 2023 10:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD001217

Tgt Ion:180 Resp: 17718

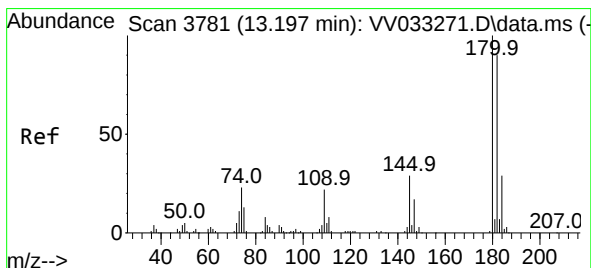
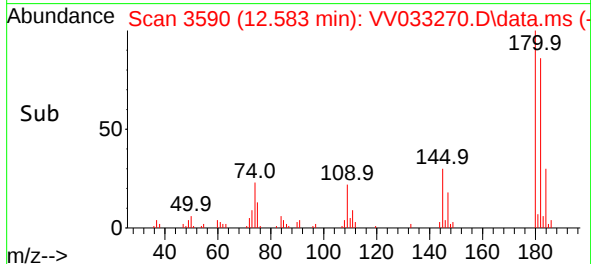
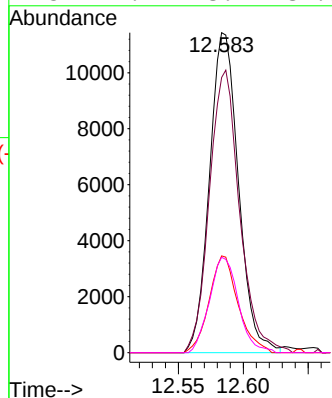
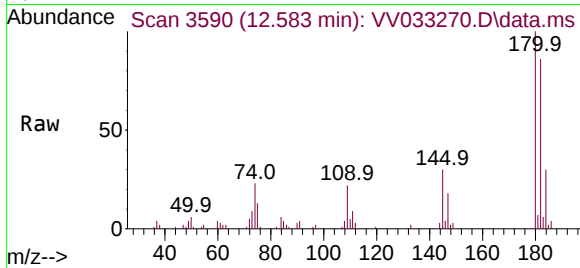
Ion Ratio Lower Upper

180 100

182 91.9 76.1 114.1

184 30.3 24.5 36.7

145 29.7 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 0.891 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.003 min

Lab File: VV033270.D

Acq: 13 Dec 2023 10:42

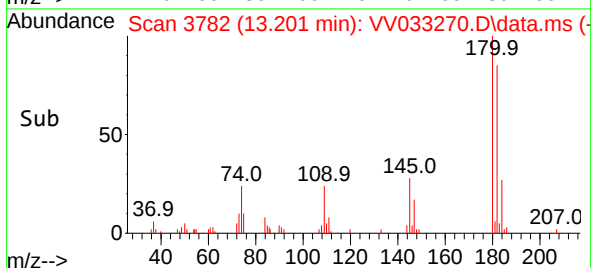
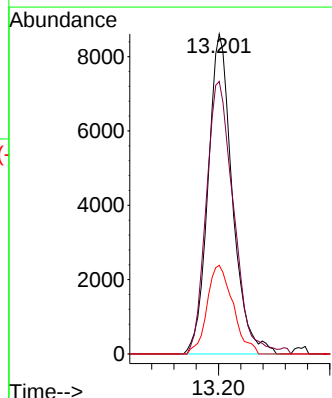
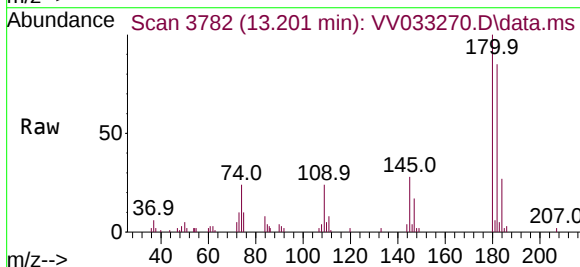
Tgt Ion:180 Resp: 13054

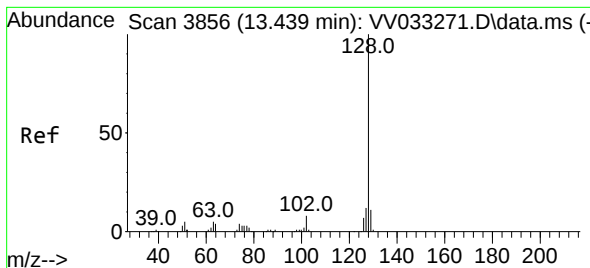
Ion Ratio Lower Upper

180 100

182 95.2 74.2 111.4

145 29.5 22.6 34.0





#71

Naphthalene

Concen: 0.753 ug/L

RT: 13.445 min Scan# 3856

Delta R.T. 0.006 min

Lab File: VV033270.D

Acq: 13 Dec 2023 10:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD001217

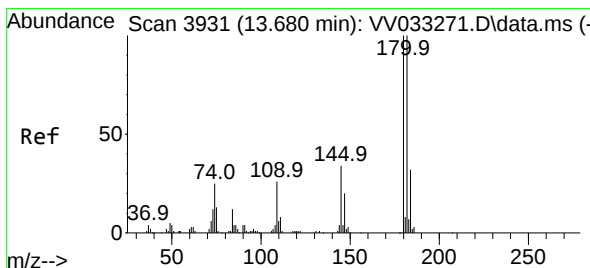
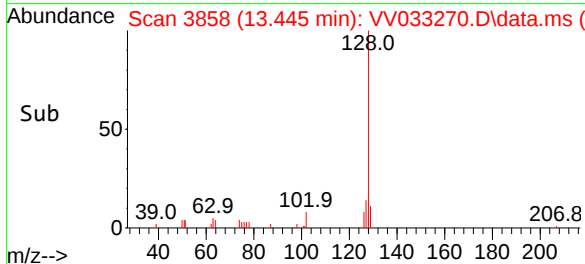
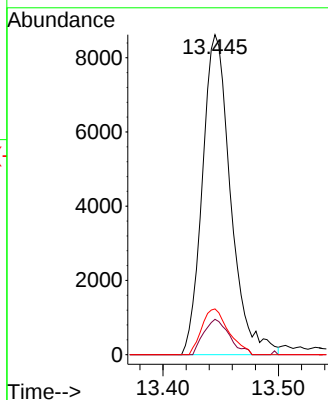
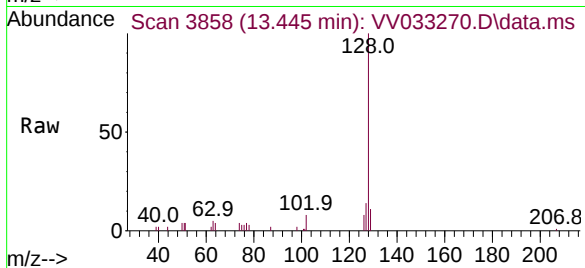
Tgt Ion:128 Resp: 14636

Ion Ratio Lower Upper

128 100

129 10.1 8.8 13.2

127 13.6 10.1 15.1



#72

1,2,3-Trichlorobenzene

Concen: 0.875 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.003 min

Lab File: VV033270.D

Acq: 13 Dec 2023 10:42

Tgt Ion:180 Resp: 10871

Ion Ratio Lower Upper

180 100

182 95.9 78.8 118.2

145 30.4 26.6 40.0

