

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021722\
 Data File : VW024716.D
 Acq On : 17 Feb 2022 12:19
 Operator : SY/MD
 Sample : VSTD001
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001215

Quant Time: Feb 18 07:06:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR021722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 18 07:05:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	168832	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	157049	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	71860	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	14174	0.993	ug/L	0.00
7) Chloroethane-d5	1.571	69	11768	0.983	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.111	63	26398	0.877	ug/L	0.00
20) 2-Butanone-d5	3.921	46	18011	7.765	ug/L	0.03
24) Chloroform-d	4.355	84	21968	0.907	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.040	65	9740	0.887	ug/L	0.00
32) Benzene-d6	5.056	84	43425	0.978	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.076	67	12589	0.916	ug/L	0.00
41) Toluene-d8	7.320	98	38961	0.942	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.632	79	3616	0.674	ug/L	0.00
46) 2-Hexanone-d5	8.095	63	14813	7.712	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.217	84	7592	0.933	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.625	152	12303	1.058	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.130	85	16749	0.801	ug/L	98
3) Chloromethane	1.243	50	16748	0.809	ug/L	96
5) Vinyl chloride	1.314	62	17945	0.800	ug/L	97
6) Bromomethane	1.526	94	10771	0.790	ug/L	98
8) Chloroethane	1.587	64	11330	0.823	ug/L	99
9) Trichlorofluoromethane	1.757	101	23811	0.794	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.121	101	13995	0.832	ug/L	99
12) 1,1-Dichloroethene	2.121	96	13486	0.812	ug/L	95
13) Acetone	2.192	43	13630	7.440	ug/L	98
14) Carbon disulfide	2.298	76	36153	0.693	ug/L	100
15) Methyl Acetate	2.452	43	4172	0.798	ug/L #	81
16) Methylene chloride	2.510	84	12947	0.785	ug/L	97
17) Methyl tert-butyl Ether	2.770	73	24602	0.726	ug/L	98
18) trans-1,2-Dichloroethene	2.764	96	12538	0.770	ug/L	98
19) 1,1-Dichloroethane	3.195	63	23728	0.842	ug/L	99
21) 2-Butanone	3.999	43	17983	6.119	ug/L	83
22) cis-1,2-Dichloroethene	3.918	96	13257	0.808	ug/L	100
23) Bromochloromethane	4.259	128	5049	0.808	ug/L #	94
25) Chloroform	4.381	83	24560	0.834	ug/L	99
27) 1,2-Dichloroethane	5.140	62	12695	0.786	ug/L	99
29) 1,1,1-Trichloroethane	4.613	97	20831	0.850	ug/L	100
30) Cyclohexane	4.680	56	20911	0.829	ug/L	100
31) Carbon tetrachloride	4.831	117	17447	0.842	ug/L	99
33) Benzene	5.105	78	52616	0.894	ug/L	100
34) Trichloroethene	5.921	95	13845	0.860	ug/L	97
35) Methylcyclohexane	6.130	83	21692	0.820	ug/L	95
37) 1,2-Dichloropropane	6.175	63	11456	0.803	ug/L	98
38) Bromodichloromethane	6.513	83	14755	0.785	ug/L	98
39) cis-1,3-Dichloropropene	7.034	75	15710	0.736	ug/L	98
40) 4-Methyl-2-pentanone	7.230	43	55736	7.668	ug/L	99
42) Toluene	7.391	91	54063	0.845	ug/L	97
44) trans-1,3-Dichloropropene	7.658	75	11830	0.675	ug/L	94

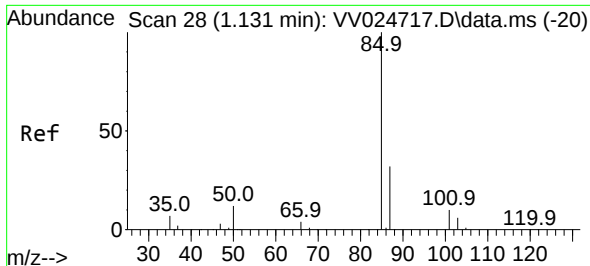
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021722\
 Data File : VW024716.D
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 18 07:05:38 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.841	97	7969	0.864	ug/L	97
47) Tetrachloroethene	7.976	164	9947	0.924	ug/L	92
48) 2-Hexanone	8.143	43	38768	7.775	ug/L	99
49) Dibromochloromethane	8.246	129	8181	0.745	ug/L	97
50) 1,2-Dibromoethane	8.355	107	7324	0.850	ug/L	96
51) Chlorobenzene	8.883	112	34580	0.881	ug/L	98
52) Ethylbenzene	9.014	91	58481	0.824	ug/L	97
53) m,p-xylene	9.140	106	21747	0.810	ug/L	100
54) o-xylene	9.545	106	21381	0.821	ug/L	92
55) Styrene	9.561	104	33519	0.783	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.239	83	7923	0.843	ug/L	99
59) Bromoform	9.731	173	3032	0.695	ug/L #	98
60) Isopropylbenzene	9.934	105	57036	0.899	ug/L	99
61) 1,2,3-Trichloropropane	10.275	75	6649	0.968	ug/L	98
62) 1,3,5-Trimethylbenzene	10.538	105	46300	0.855	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	45233	0.839	ug/L	100
64) 1,3-Dichlorobenzene	11.182	146	24331	0.938	ug/L	96
65) 1,4-Dichlorobenzene	11.272	146	24606	0.956	ug/L	97
67) 1,2-Dichlorobenzene	11.641	146	21599	0.939	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.432	75	960	0.722	ug/L #	80
69) 1,3,5-Trichlorobenzene	12.644	180	17395	0.945	ug/L	98
70) 1,2,4-trichlorobenzene	13.262	180	13450	0.913	ug/L	99
71) Naphthalene	13.503	128	21803	0.825	ug/L	98
72) 1,2,3-Trichlorobenzene	13.744	180	11444	0.923	ug/L	98

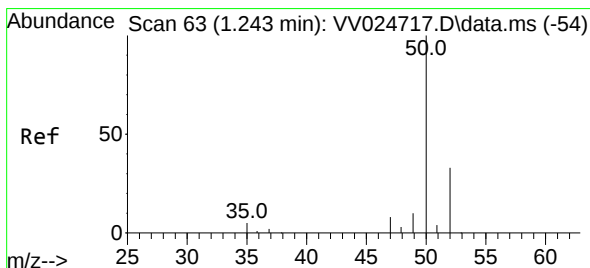
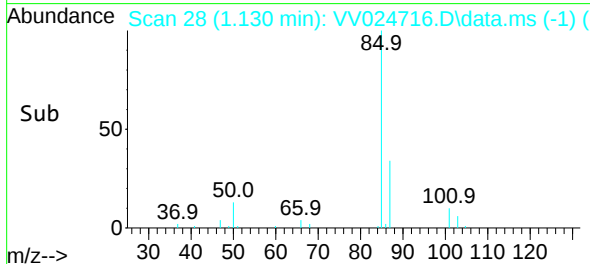
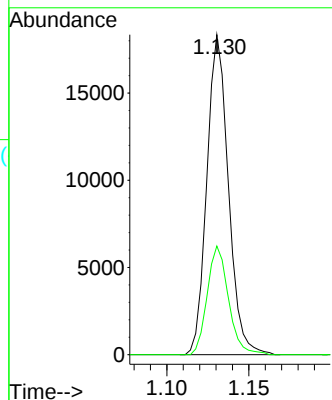
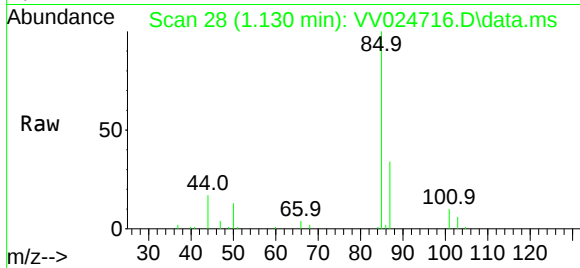
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#2
 Dichlorodifluoromethane
 Concen: 0.801 ug/L
 RT: 1.130 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VV024716.D
 Acq: 17 Feb 2022 12:19

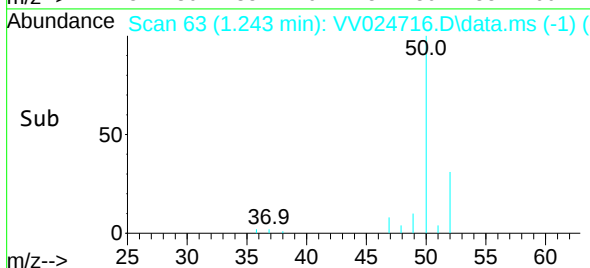
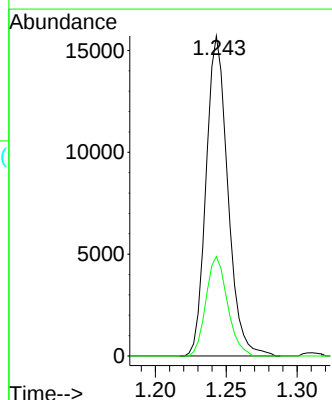
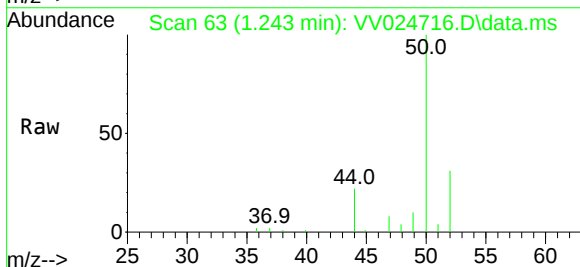
Instrument :
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 ClientSampleId :
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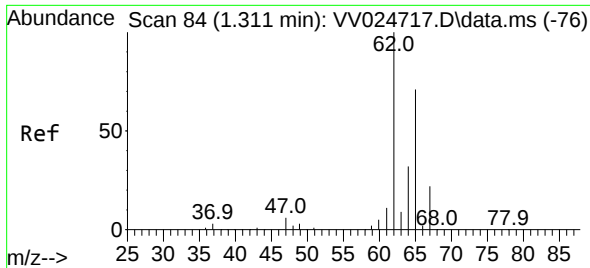
Tgt Ion: 85 Resp: 16749
 Ion Ratio Lower Upper
 85 100
 87 33.4 25.9 38.9



#3
 Chloromethane
 Concen: 0.809 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. -0.000 min
 Lab File: VV024716.D
 Acq: 17 Feb 2022 12:19

Tgt Ion: 50 Resp: 16748
 Ion Ratio Lower Upper
 50 100
 52 31.1 23.3 43.3

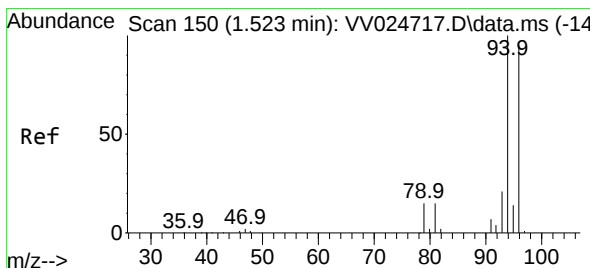
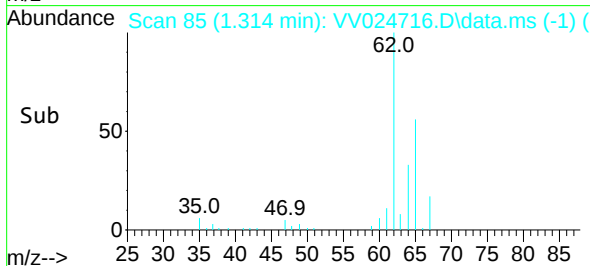
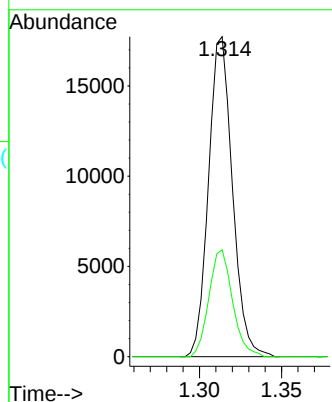
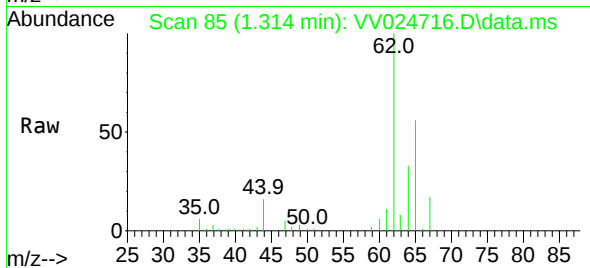




#5
 Vinyl chloride
 Concen: 0.800 ug/L
 RT: 1.314 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV024716.D
 Acq: 17 Feb 2022 12:19

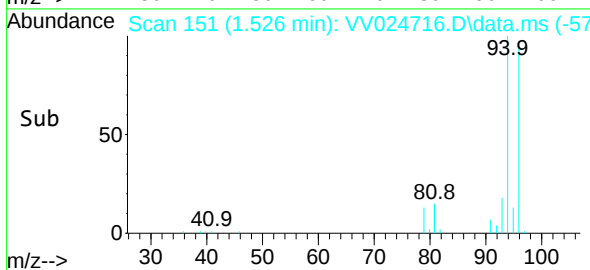
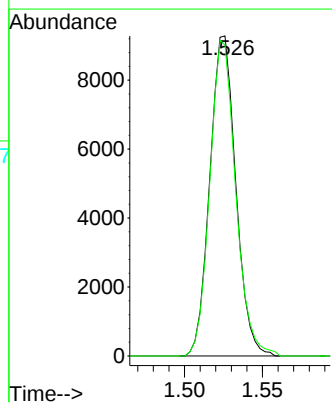
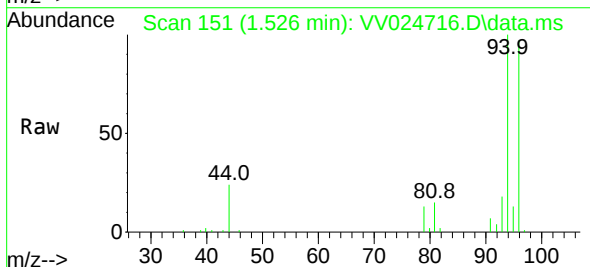
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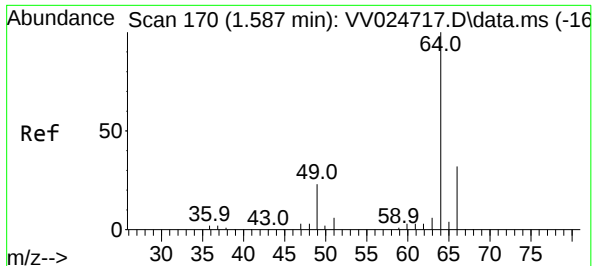
Tgt Ion: 62 Resp: 17945
 Ion Ratio Lower Upper
 62 100
 64 33.4 22.2 41.2



#6
 Bromomethane
 Concen: 0.790 ug/L
 RT: 1.526 min Scan# 151
 Delta R.T. 0.003 min
 Lab File: VV024716.D
 Acq: 17 Feb 2022 12:19

Tgt Ion: 94 Resp: 10771
 Ion Ratio Lower Upper
 94 100
 96 97.2 66.5 123.5

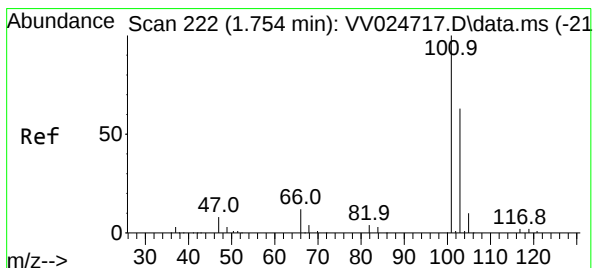
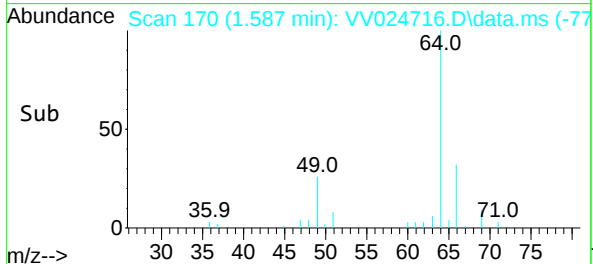
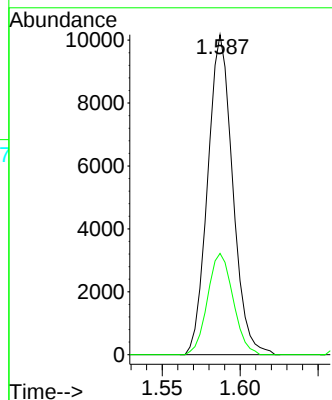
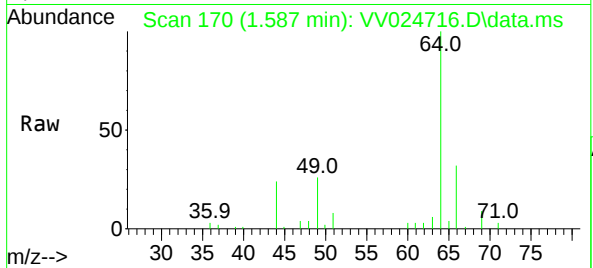




#8
Chloroethane
Concen: 0.823 ug/L
RT: 1.587 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV024716.D
Acq: 17 Feb 2022 12:19

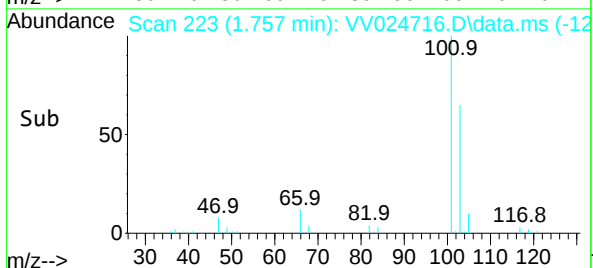
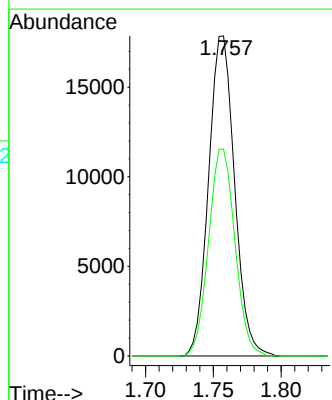
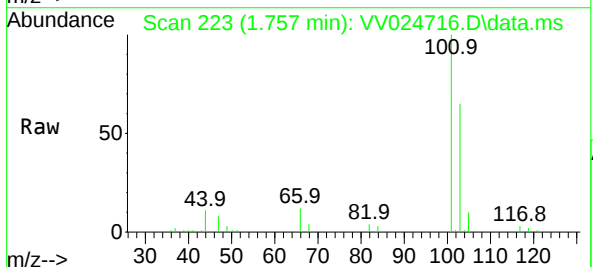
Instrument :
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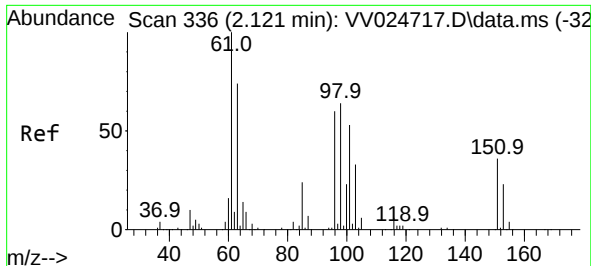
Tgt Ion: 64 Resp: 11330
Ion Ratio Lower Upper
64 100
66 31.7 22.5 41.9



#9
Trichlorofluoromethane
Concen: 0.794 ug/L
RT: 1.757 min Scan# 223
Delta R.T. 0.003 min
Lab File: VV024716.D
Acq: 17 Feb 2022 12:19

Tgt Ion:101 Resp: 23811
Ion Ratio Lower Upper
101 100
103 65.5 50.7 76.1

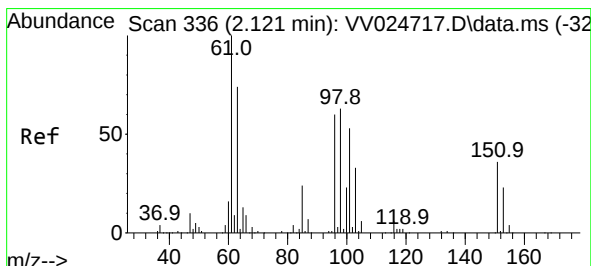
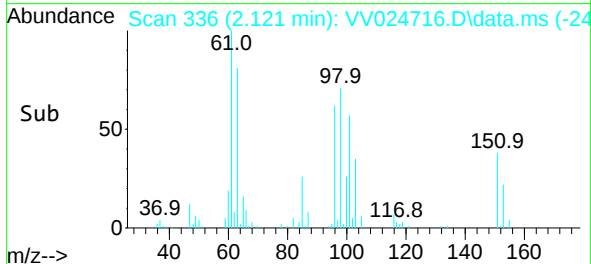
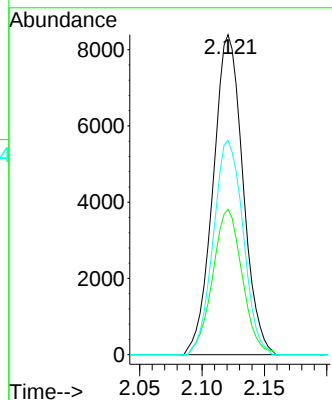
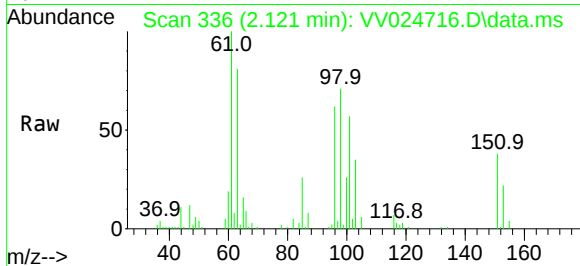




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.832 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. -0.000 min
 Lab File: VV024716.D
 Acq: 17 Feb 2022 12:19

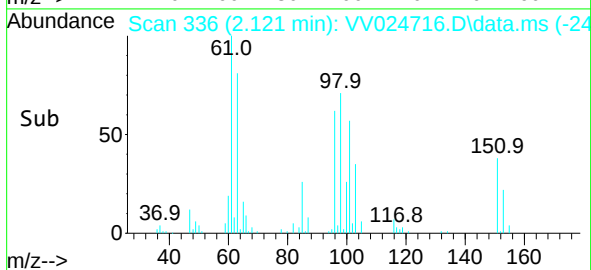
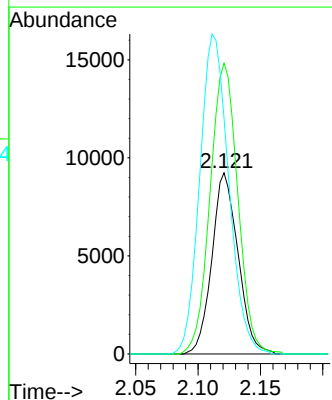
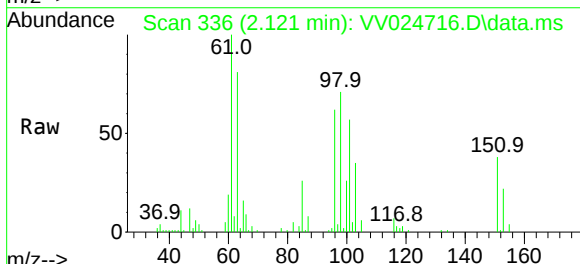
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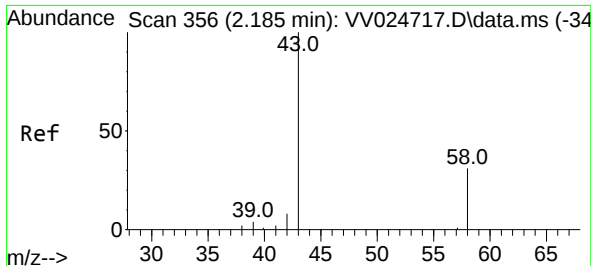
Tgt Ion:101 Resp: 13995
 Ion Ratio Lower Upper
 101 100
 85 45.0 34.7 52.1
 151 66.8 53.5 80.3



#12
 1,1-Dichloroethene
 Concen: 0.812 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. -0.000 min
 Lab File: VV024716.D
 Acq: 17 Feb 2022 12:19

Tgt Ion: 96 Resp: 13486
 Ion Ratio Lower Upper
 96 100
 61 160.5 116.3 216.1
 63 130.3 86.0 159.6





#13

Acetone

Concen: 7.440 ug/L

RT: 2.192 min Scan# 358

Delta R.T. 0.006 min

Lab File: VV024716.D

Acq: 17 Feb 2022 12:19

Instrument :

MSVOA_V

ClientSampleId :

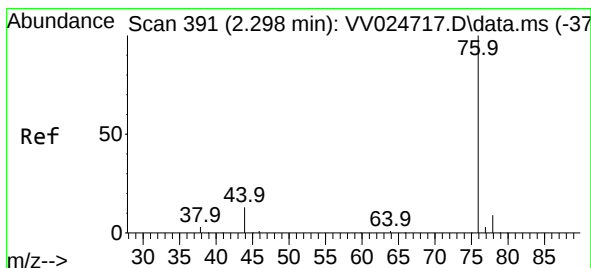
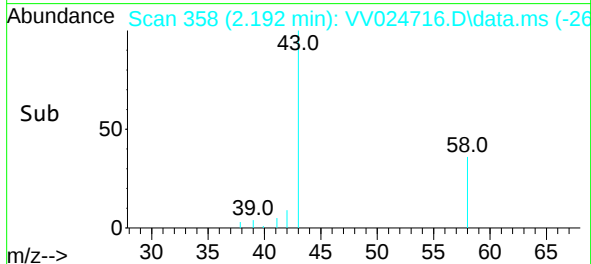
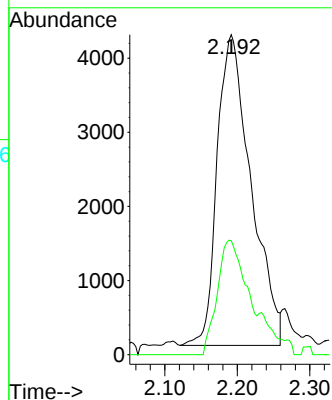
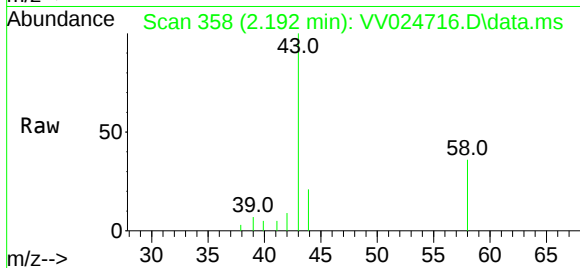
VSTD001215

Tgt Ion: 43 Resp: 13630

Ion Ratio Lower Upper

43 100

58 30.9 0.0 63.6



#14

Carbon disulfide

Concen: 0.693 ug/L

RT: 2.298 min Scan# 391

Delta R.T. -0.000 min

Lab File: VV024716.D

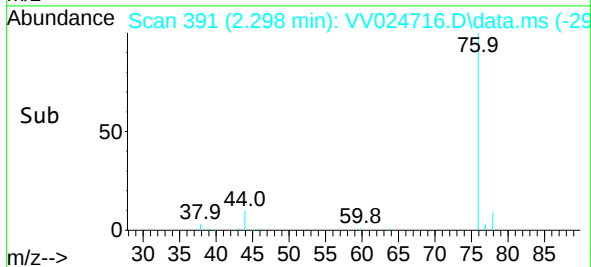
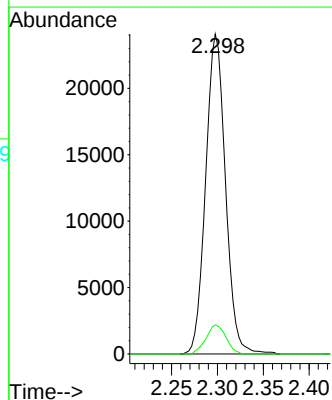
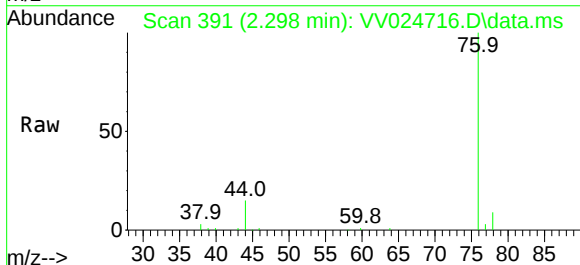
Acq: 17 Feb 2022 12:19

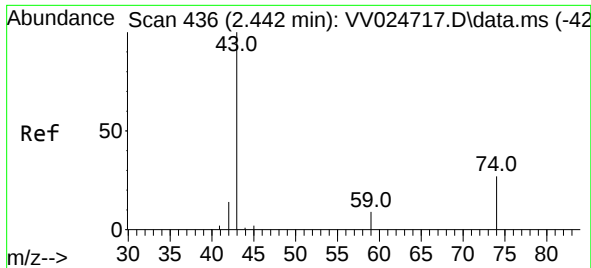
Tgt Ion: 76 Resp: 36153

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





#15

Methyl Acetate

Concen: 0.798 ug/L

RT: 2.452 min Scan# 41

Delta R.T. 0.010 min

Lab File: VV024716.D

Acq: 17 Feb 2022 12:19

Instrument :

MSVOA_V

ClientSampleId :

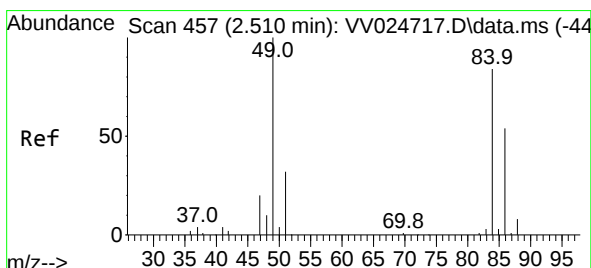
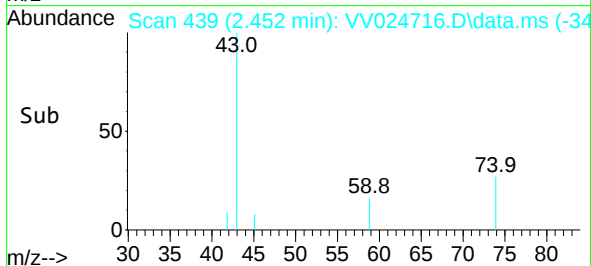
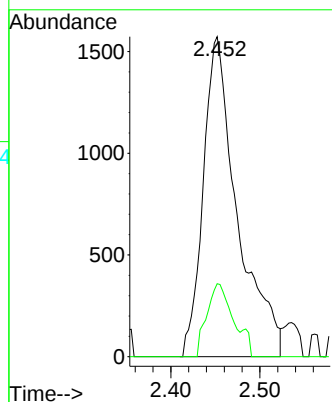
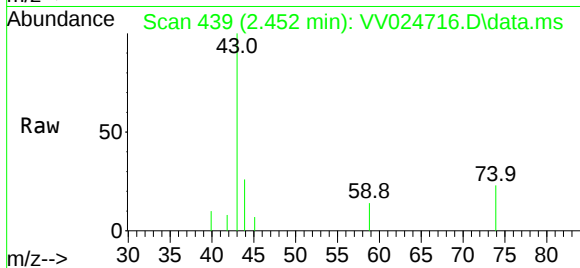
VSTD001215

Tgt Ion: 43 Resp: 4172

Ion Ratio Lower Upper

43 100

74 16.1 20.8 31.2#



#16

Methylene chloride

Concen: 0.785 ug/L

RT: 2.510 min Scan# 457

Delta R.T. -0.000 min

Lab File: VV024716.D

Acq: 17 Feb 2022 12:19

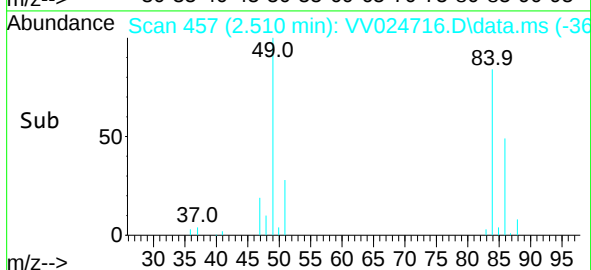
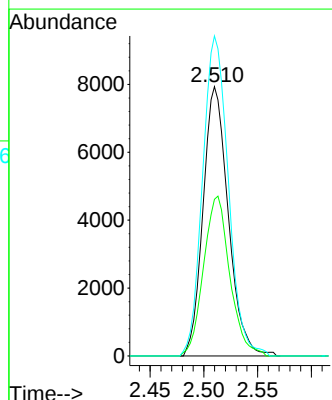
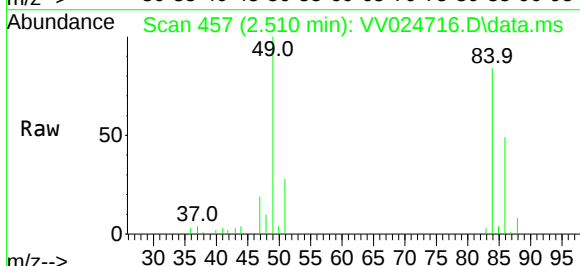
Tgt Ion: 84 Resp: 12947

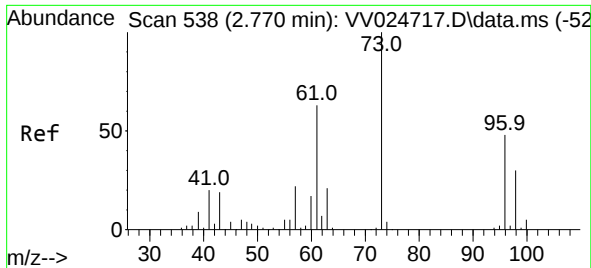
Ion Ratio Lower Upper

84 100

86 58.1 45.1 83.7

49 118.8 83.5 155.1

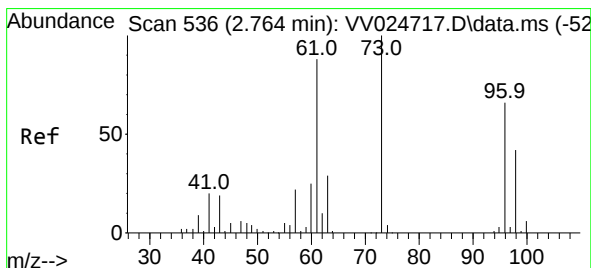
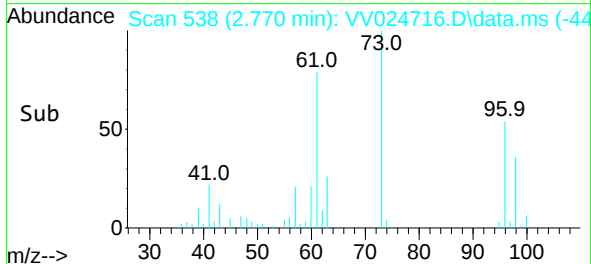
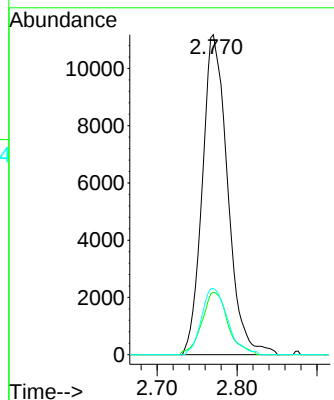
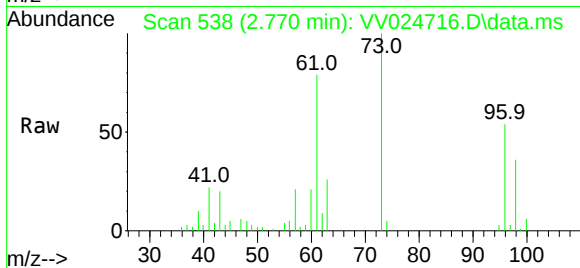




#17
Methyl tert-butyl Ether
Concen: 0.726 ug/L
RT: 2.770 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV024716.D
Acq: 17 Feb 2022 12:19

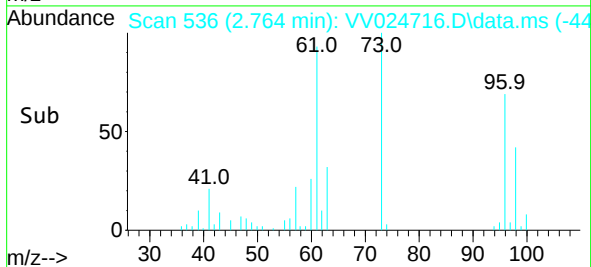
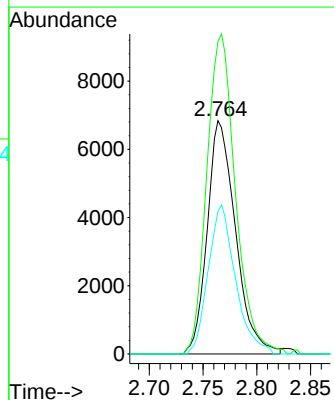
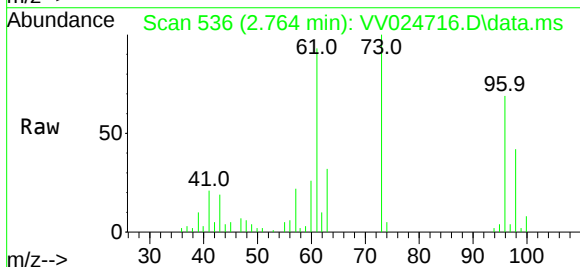
Instrument :
MSVOA_V
ClientSampleId :
VSTD001215

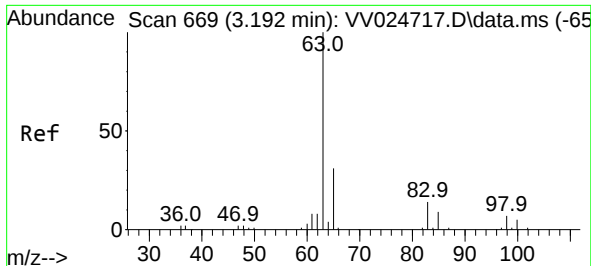
Tgt Ion: 73	Resp: 24602
Ion Ratio	Lower Upper
73 100	
43 20.1	15.1 22.7
57 21.4	17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 0.770 ug/L
RT: 2.764 min Scan# 536
Delta R.T. -0.000 min
Lab File: VV024716.D
Acq: 17 Feb 2022 12:19

Tgt Ion: 96	Resp: 12538
Ion Ratio	Lower Upper
96 100	
61 134.0	92.9 172.5
98 61.1	44.5 82.7





#19

1,1-Dichloroethane

Concen: 0.842 ug/L

RT: 3.195 min Scan# 61

Delta R.T. 0.003 min

Lab File: VV024716.D

Acq: 17 Feb 2022 12:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD001215

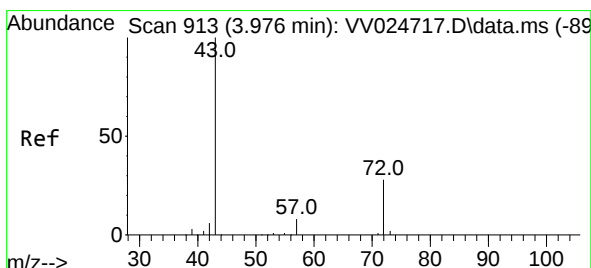
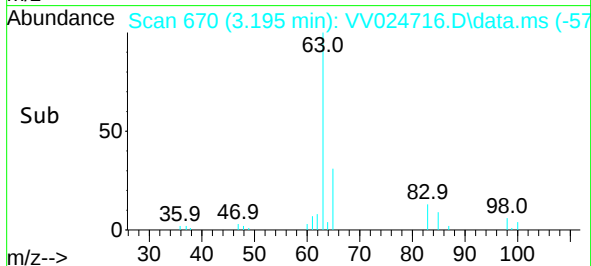
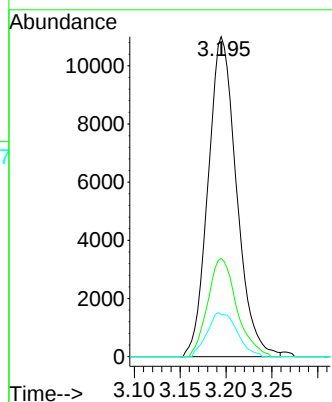
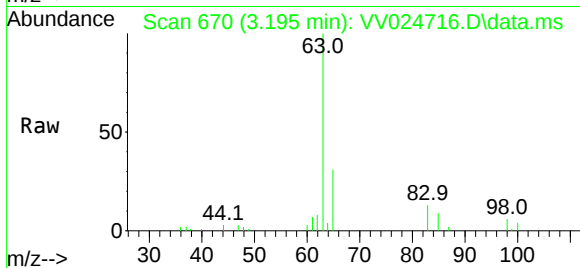
Tgt Ion: 63 Resp: 23728

Ion Ratio Lower Upper

63 100

65 30.7 22.0 40.8

83 13.2 9.5 17.7



#21

2-Butanone

Concen: 6.119 ug/L

RT: 3.999 min Scan# 920

Delta R.T. 0.022 min

Lab File: VV024716.D

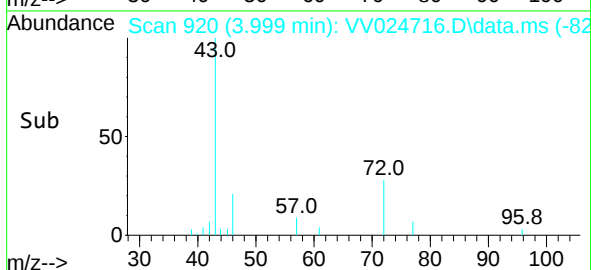
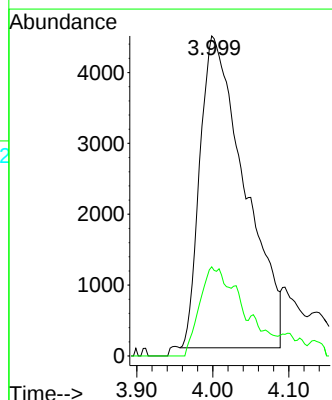
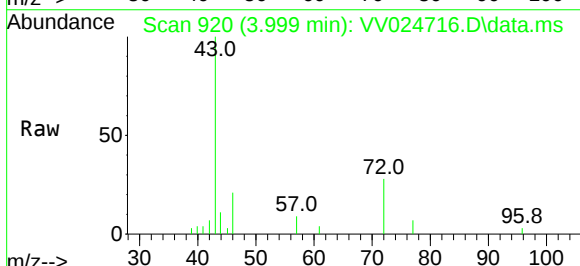
Acq: 17 Feb 2022 12:19

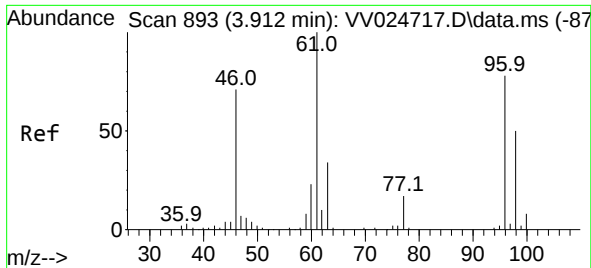
Tgt Ion: 43 Resp: 17983

Ion Ratio Lower Upper

43 100

72 17.8 13.2 39.6

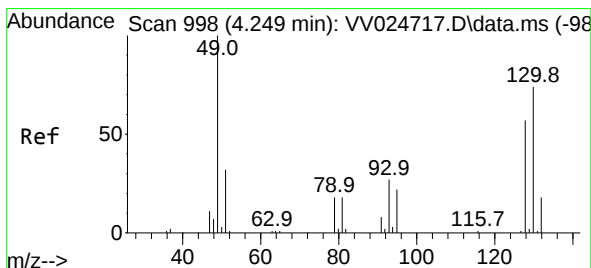
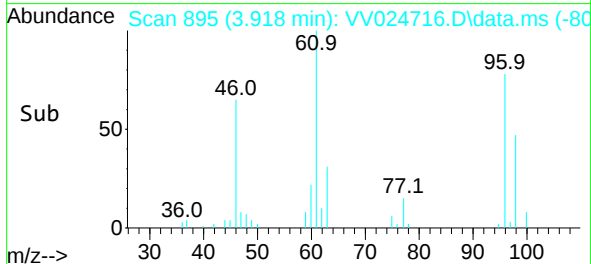
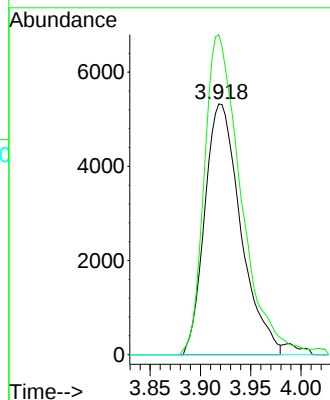
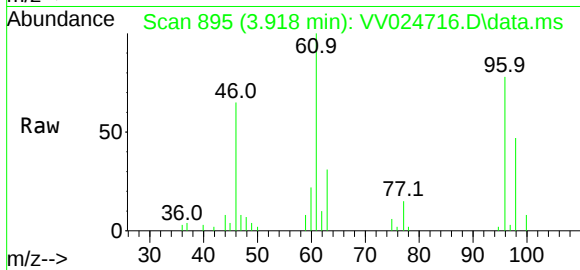




#22
 cis-1,2-Dichloroethene
 Concen: 0.808 ug/L
 RT: 3.918 min Scan# 895
 Delta R.T. 0.006 min
 Lab File: VV024716.D
 Acq: 17 Feb 2022 12:19

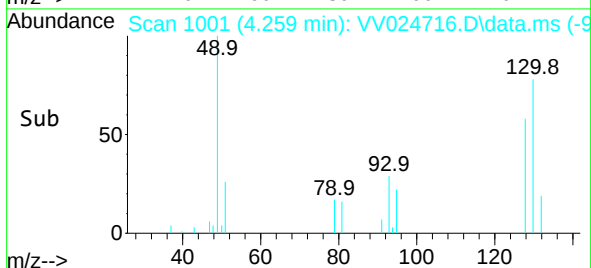
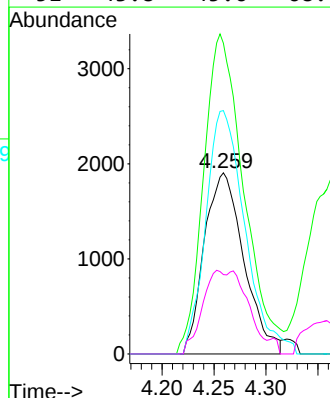
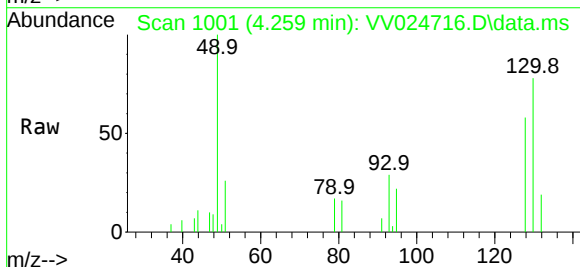
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001215

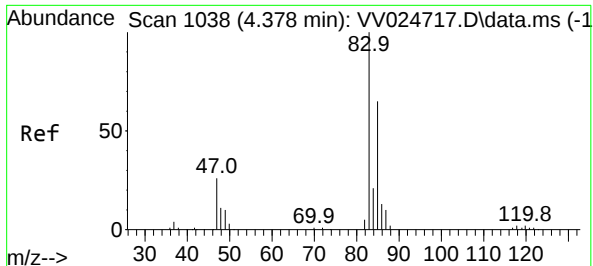
Tgt Ion: 96 Resp: 13257
 Ion Ratio Lower Upper
 96 100
 61 127.6 89.7 166.5
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 0.808 ug/L
 RT: 4.259 min Scan# 1001
 Delta R.T. 0.010 min
 Lab File: VV024716.D
 Acq: 17 Feb 2022 12:19

Tgt Ion: 128 Resp: 5049
 Ion Ratio Lower Upper
 128 100
 49 171.5 124.2 230.6
 130 134.4 92.1 171.1
 51 43.8 45.6 68.4#





#25

Chloroform

Concen: 0.834 ug/L

RT: 4.381 min Scan# 1038

Delta R.T. 0.003 min

Lab File: VV024716.D

Acq: 17 Feb 2022 12:19

Instrument :

MSVOA_V

ClientSampleId :

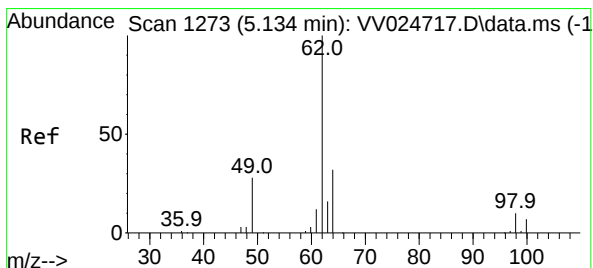
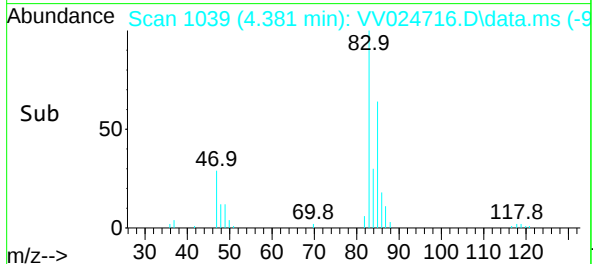
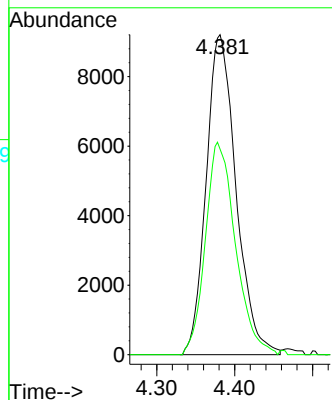
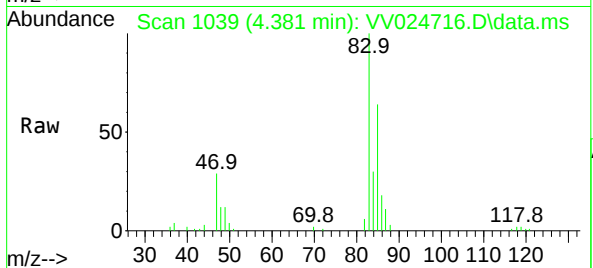
VSTD001215

Tgt Ion: 83 Resp: 24560

Ion Ratio Lower Upper

83 100

85 64.3 45.5 84.5



#27

1,2-Dichloroethane

Concen: 0.786 ug/L

RT: 5.140 min Scan# 1275

Delta R.T. 0.006 min

Lab File: VV024716.D

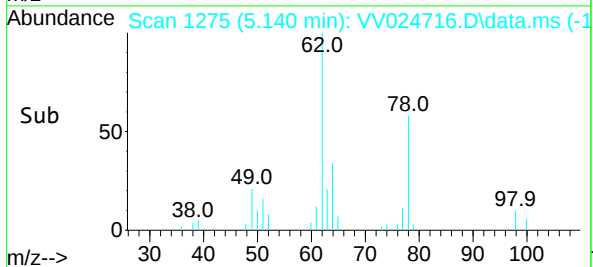
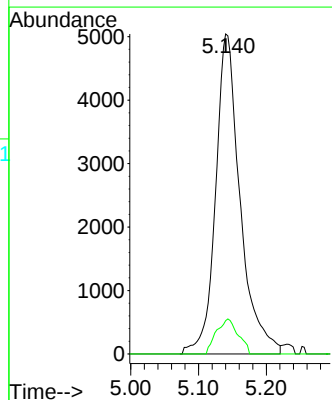
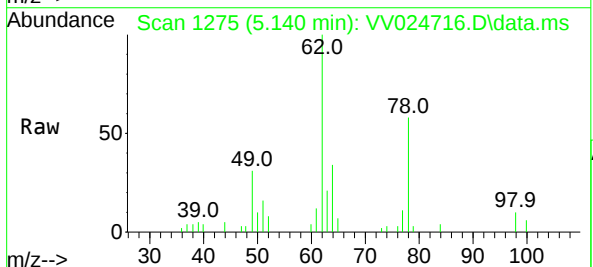
Acq: 17 Feb 2022 12:19

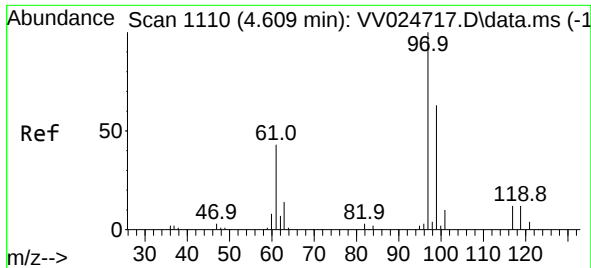
Tgt Ion: 62 Resp: 12695

Ion Ratio Lower Upper

62 100

98 10.4 8.2 12.2





#29

1,1,1-Trichloroethane

Concen: 0.850 ug/L

RT: 4.613 min Scan# 1111

Delta R.T. 0.003 min

Lab File: VV024716.D

Acq: 17 Feb 2022 12:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD001215

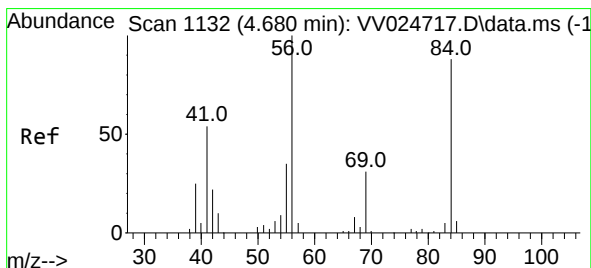
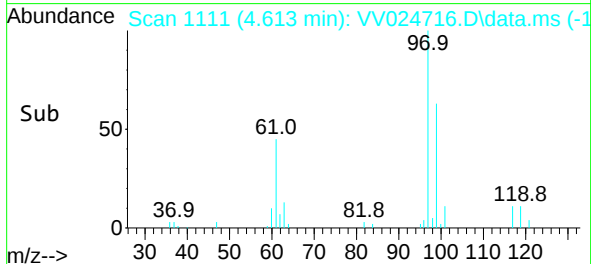
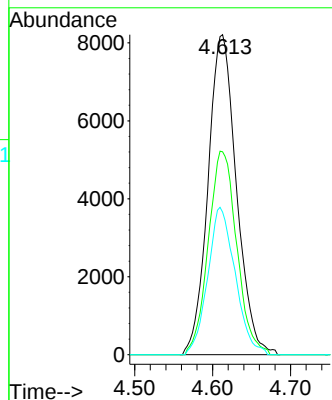
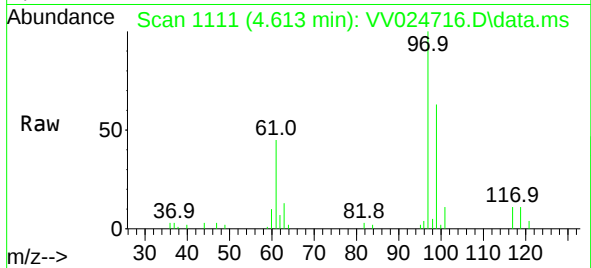
Tgt Ion: 97 Resp: 20831

Ion Ratio Lower Upper

97 100

99 63.5 50.5 75.7

61 44.5 35.8 53.6



#30

Cyclohexane

Concen: 0.829 ug/L

RT: 4.680 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VV024716.D

Acq: 17 Feb 2022 12:19

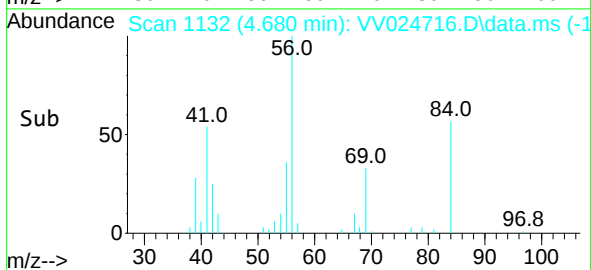
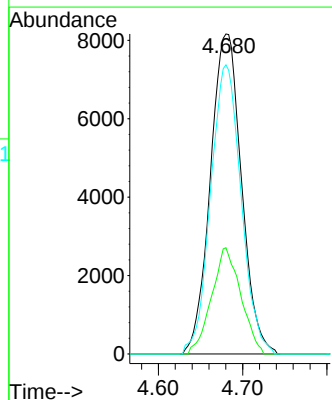
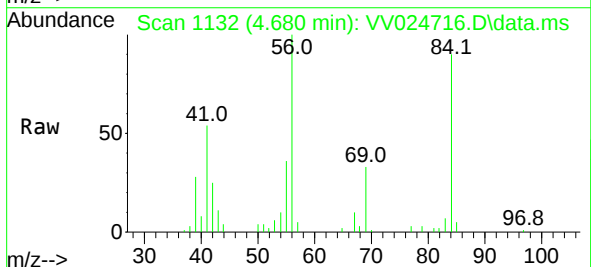
Tgt Ion: 56 Resp: 20911

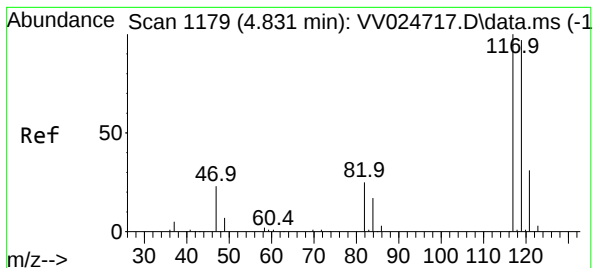
Ion Ratio Lower Upper

56 100

69 31.1 24.6 37.0

84 88.8 71.4 107.0





#31

Carbon tetrachloride

Concen: 0.842 ug/L

RT: 4.831 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VV024716.D

Acq: 17 Feb 2022 12:19

Instrument :

MSVOA_V

ClientSampleId :

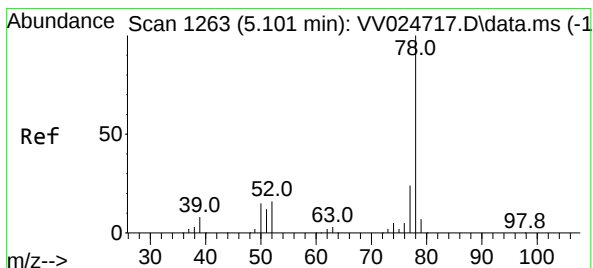
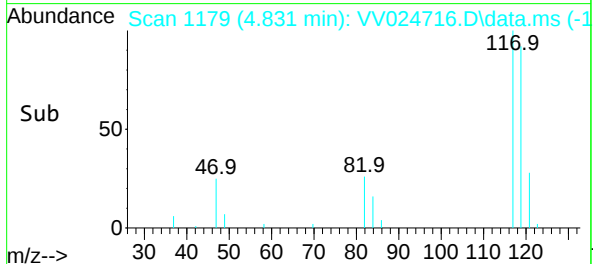
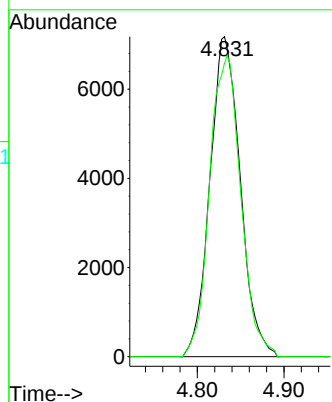
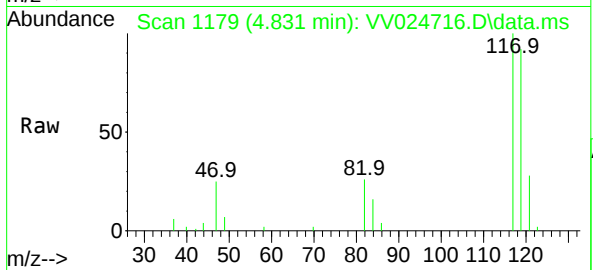
VSTD001215

Tgt Ion:117 Resp: 17447

Ion Ratio Lower Upper

117 100

119 96.6 76.6 115.0



#33

Benzene

Concen: 0.894 ug/L

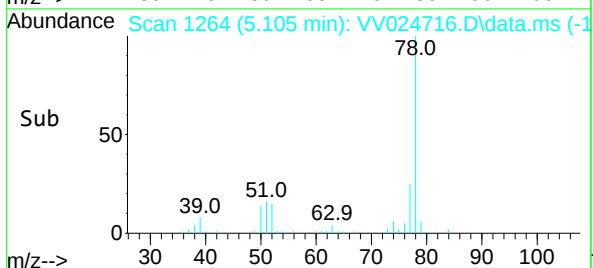
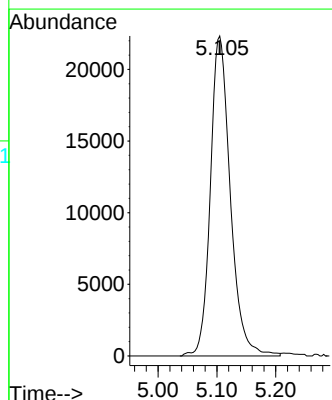
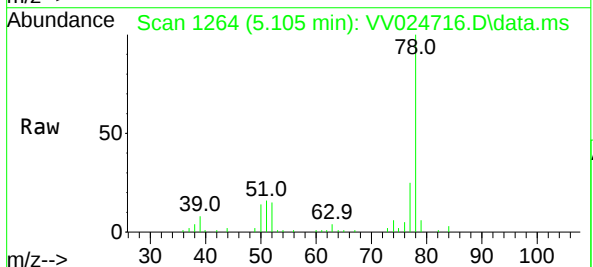
RT: 5.105 min Scan# 1264

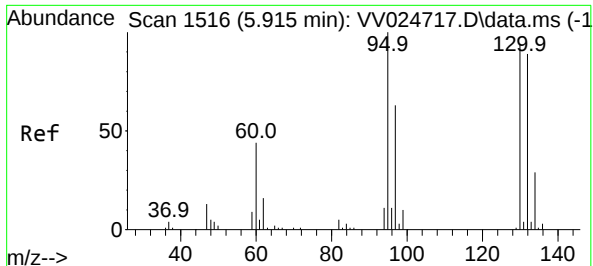
Delta R.T. 0.003 min

Lab File: VV024716.D

Acq: 17 Feb 2022 12:19

Tgt Ion: 78 Resp: 52616





#34

Trichloroethene

Concen: 0.860 ug/L

RT: 5.921 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV024716.D

Acq: 17 Feb 2022 12:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD001215

Tgt Ion: 95 Resp: 13845

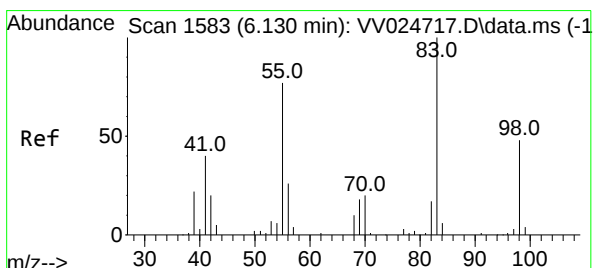
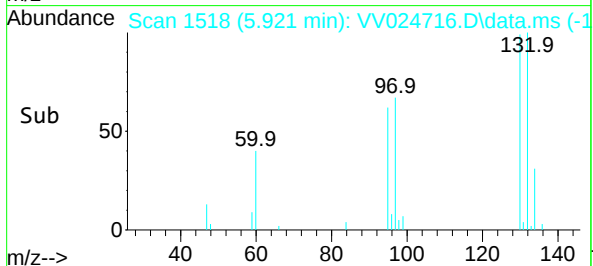
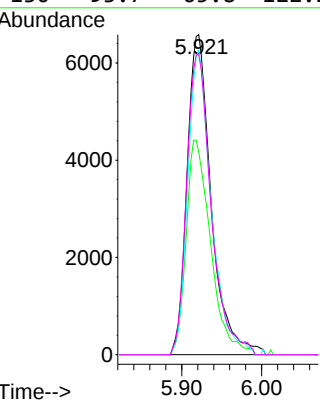
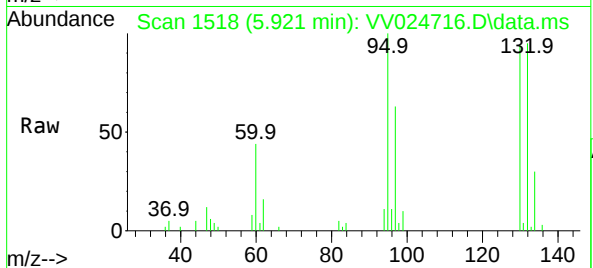
Ion Ratio Lower Upper

95 100

97 63.4 44.2 82.0

132 95.1 62.1 115.3

130 93.7 65.8 122.2



#35

Methylcyclohexane

Concen: 0.820 ug/L

RT: 6.130 min Scan# 1583

Delta R.T. -0.000 min

Lab File: VV024716.D

Acq: 17 Feb 2022 12:19

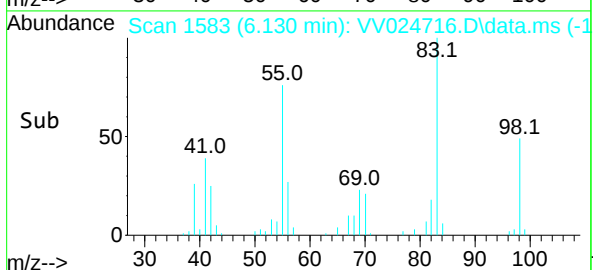
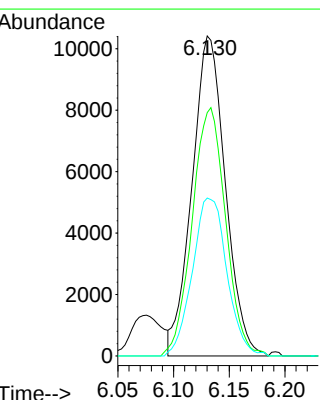
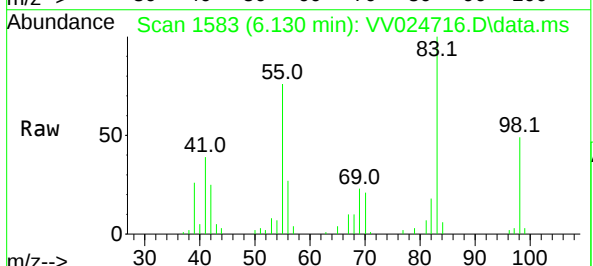
Tgt Ion: 83 Resp: 21692

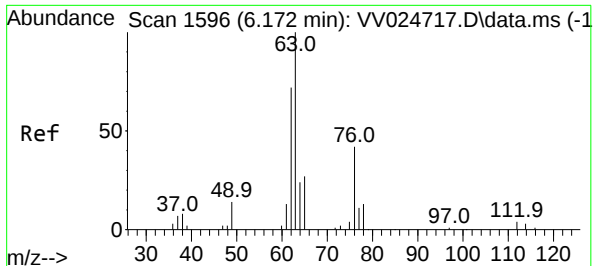
Ion Ratio Lower Upper

83 100

55 77.8 58.8 88.2

98 51.0 38.6 58.0





#37

1,2-Dichloropropane

Concen: 0.803 ug/L

RT: 6.175 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV024716.D

Acq: 17 Feb 2022 12:19

Instrument :

MSVOA_V

ClientSampleId :

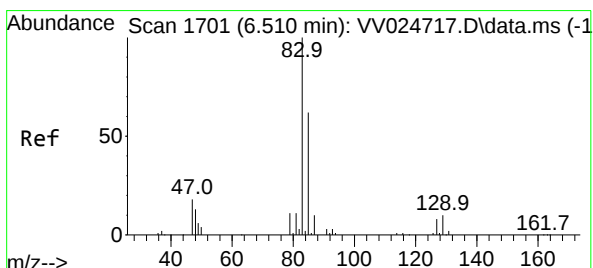
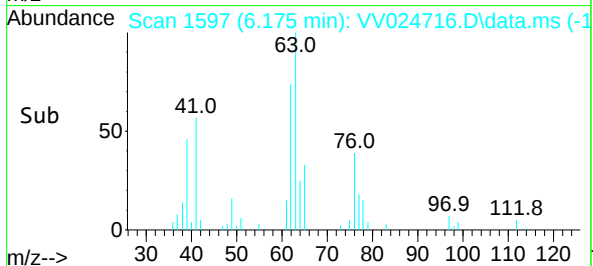
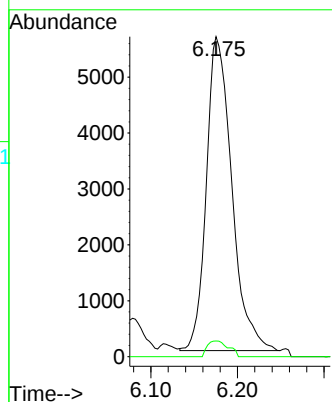
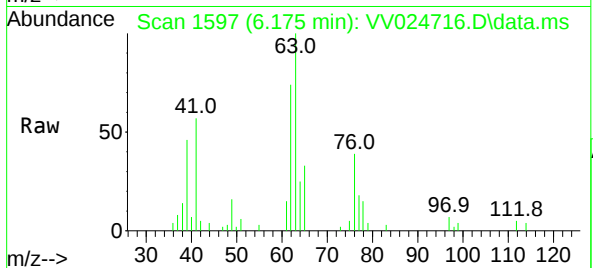
VSTD001215

Tgt Ion: 63 Resp: 11456

Ion Ratio Lower Upper

63 100

112 4.1 3.8 5.6



#38

Bromodichloromethane

Concen: 0.785 ug/L

RT: 6.513 min Scan# 1702

Delta R.T. 0.003 min

Lab File: VV024716.D

Acq: 17 Feb 2022 12:19

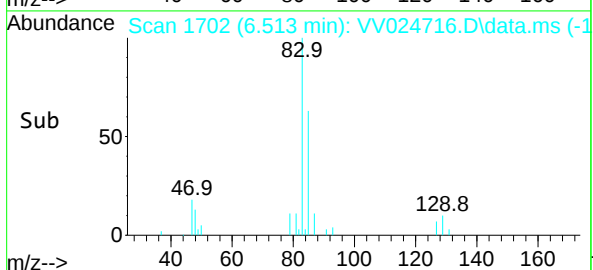
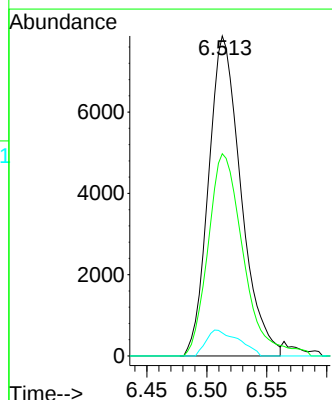
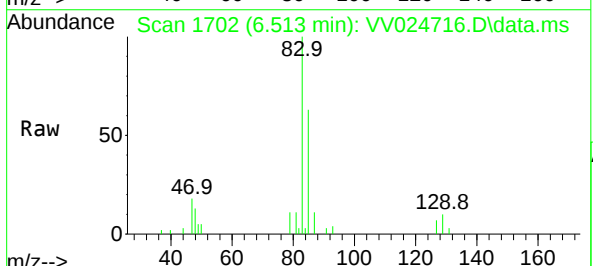
Tgt Ion: 83 Resp: 14755

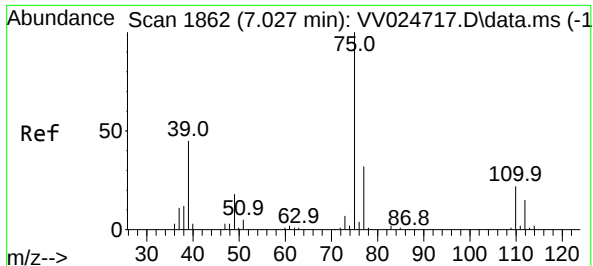
Ion Ratio Lower Upper

83 100

85 63.2 43.5 80.9

127 7.2 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 0.736 ug/L

RT: 7.034 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV024716.D

Acq: 17 Feb 2022 12:19

Instrument :

MSVOA_V

ClientSampleId :

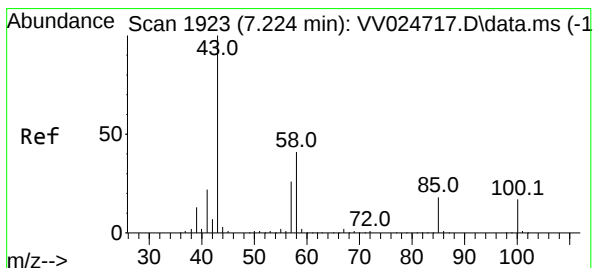
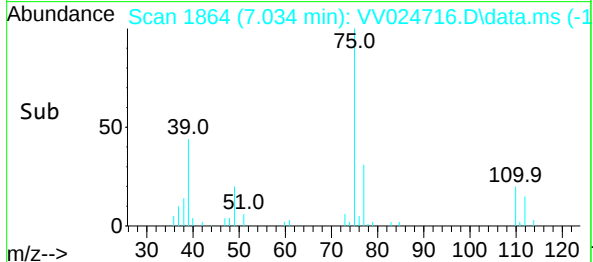
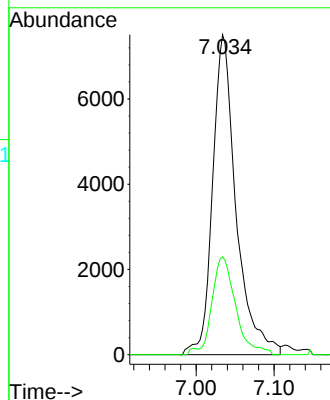
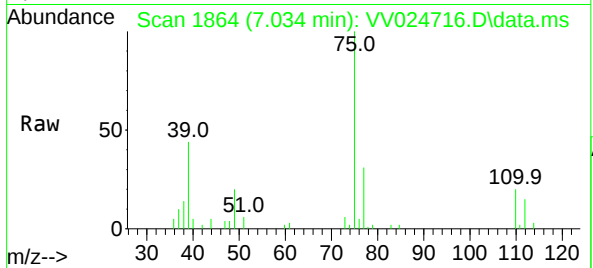
VSTD001215

Tgt Ion: 75 Resp: 15710

Ion Ratio Lower Upper

75 100

77 30.6 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 7.668 ug/L

RT: 7.230 min Scan# 1925

Delta R.T. 0.006 min

Lab File: VV024716.D

Acq: 17 Feb 2022 12:19

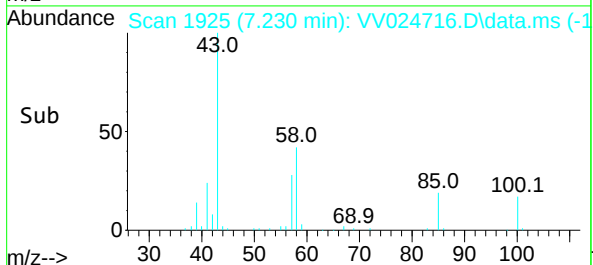
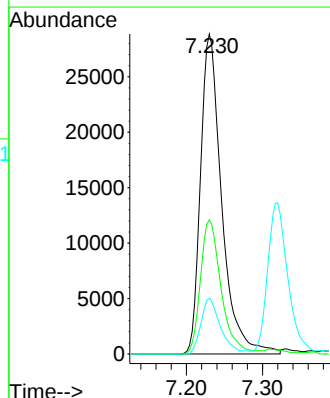
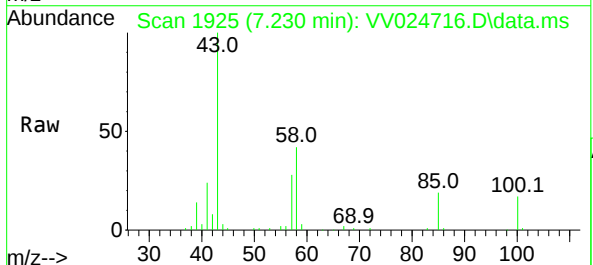
Tgt Ion: 43 Resp: 55736

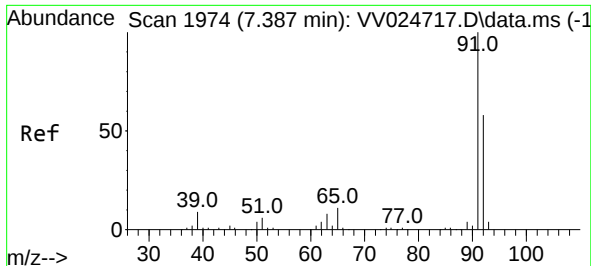
Ion Ratio Lower Upper

43 100

58 41.0 33.0 49.6

100 16.3 13.3 19.9





#42

Toluene

Concen: 0.845 ug/L

RT: 7.391 min Scan# 1974

Delta R.T. 0.003 min

Lab File: VV024716.D

Acq: 17 Feb 2022 12:19

Instrument :

MSVOA_V

ClientSampleId :

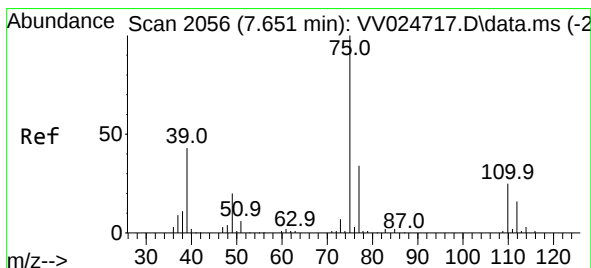
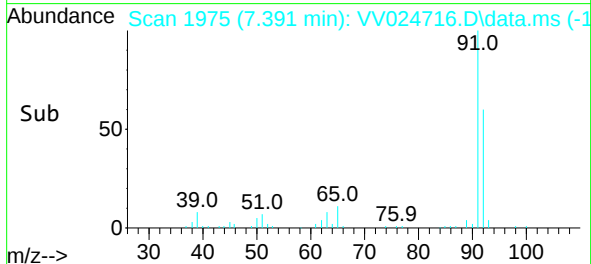
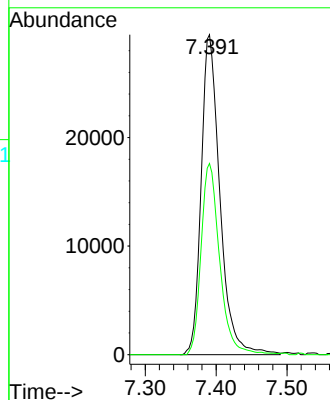
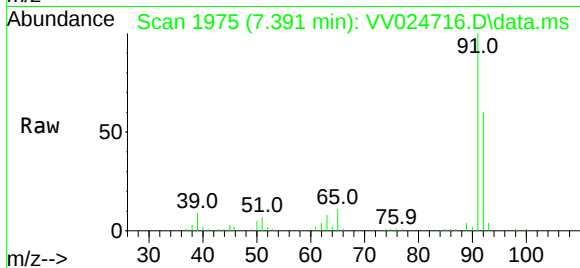
VSTD001215

Tgt Ion: 91 Resp: 54063

Ion Ratio Lower Upper

91 100

92 59.7 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 0.675 ug/L

RT: 7.658 min Scan# 2058

Delta R.T. 0.006 min

Lab File: VV024716.D

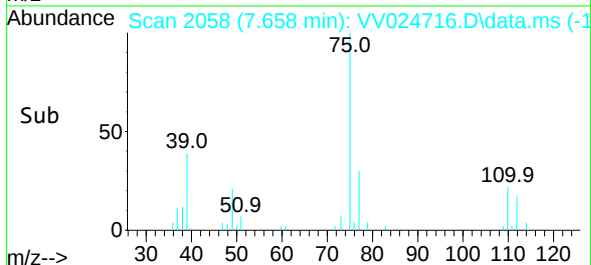
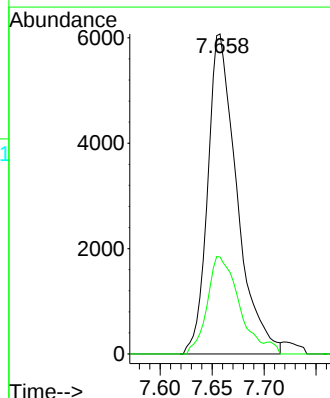
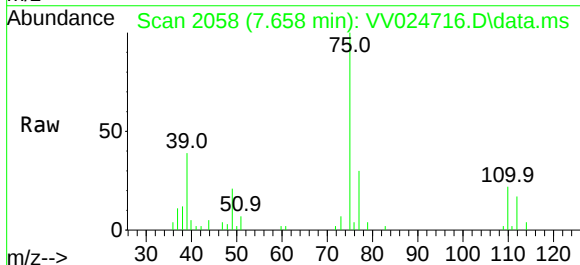
Acq: 17 Feb 2022 12:19

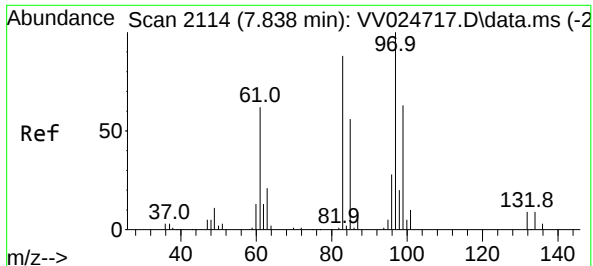
Tgt Ion: 75 Resp: 11830

Ion Ratio Lower Upper

75 100

77 30.3 23.5 43.7





#45

1,1,2-Trichloroethane

Concen: 0.864 ug/L

RT: 7.841 min Scan# 2115

Delta R.T. 0.003 min

Lab File: VV024716.D

Acq: 17 Feb 2022 12:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD001215

Tgt Ion: 97 Resp: 7969

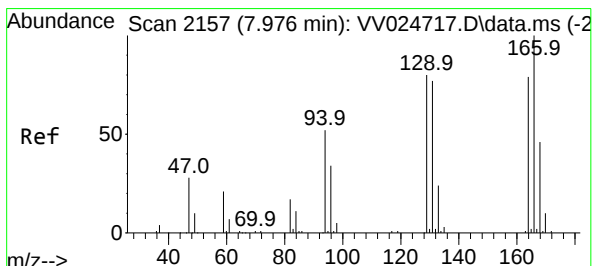
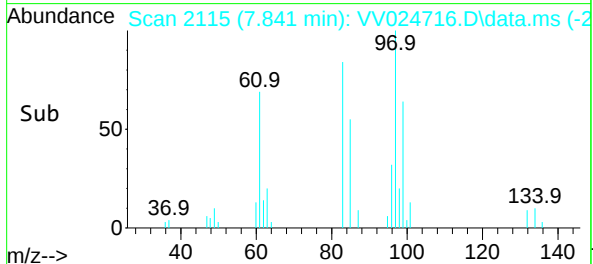
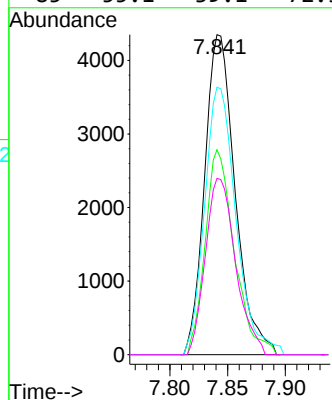
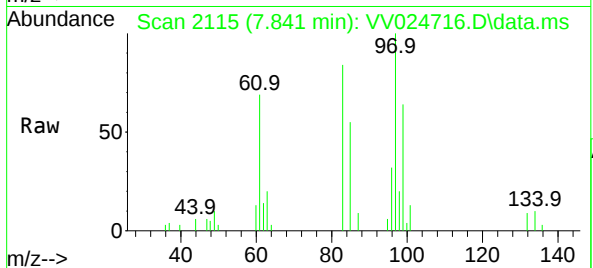
Ion Ratio Lower Upper

97 100

99 64.1 43.8 81.3

83 83.6 61.3 113.9

85 55.1 39.1 72.5



#47

Tetrachloroethene

Concen: 0.924 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.000 min

Lab File: VV024716.D

Acq: 17 Feb 2022 12:19

Tgt Ion: 164 Resp: 9947

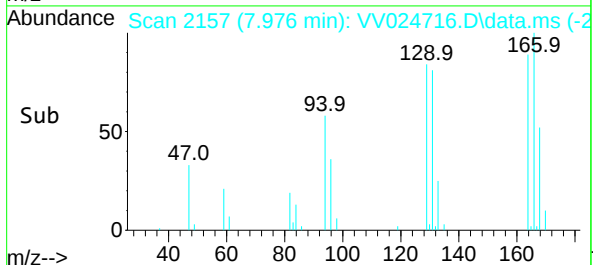
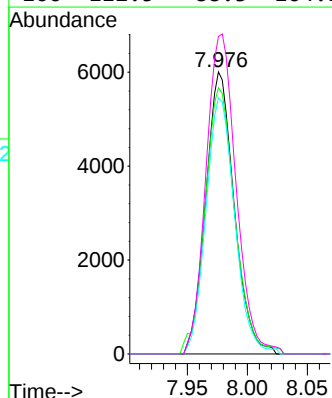
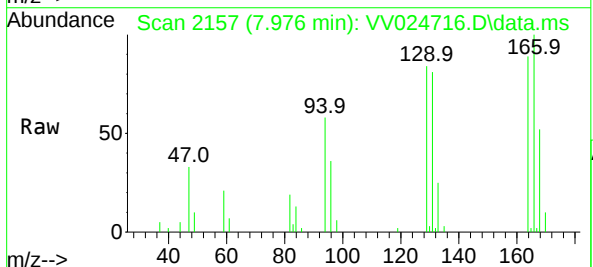
Ion Ratio Lower Upper

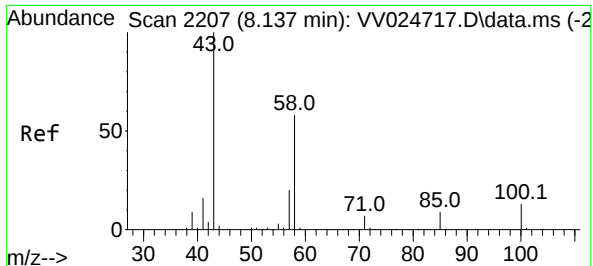
164 100

129 94.4 70.3 130.7

131 90.7 67.7 125.7

166 112.5 88.3 164.1

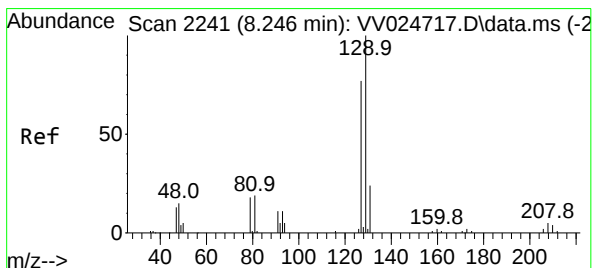
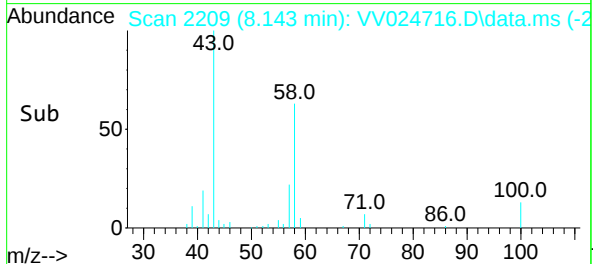
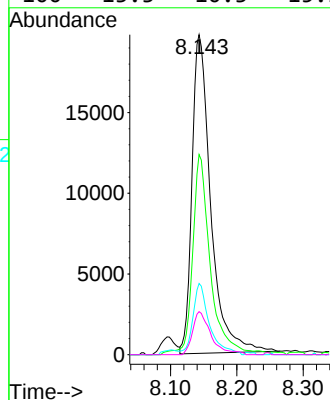
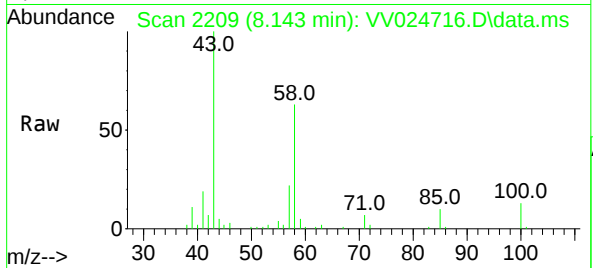




#48
2-Hexanone
Concen: 7.775 ug/L
RT: 8.143 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV024716.D
Acq: 17 Feb 2022 12:19

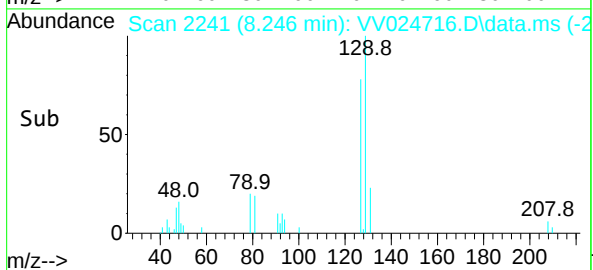
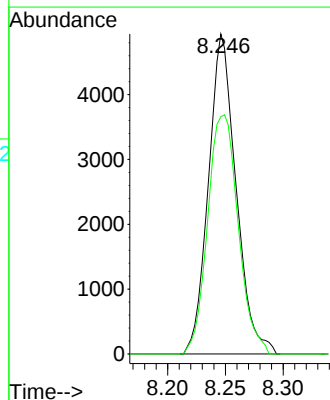
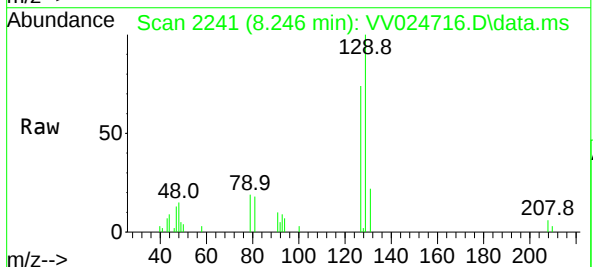
Instrument :
MSVOA_V
ClientSampleId :
VSTD001215

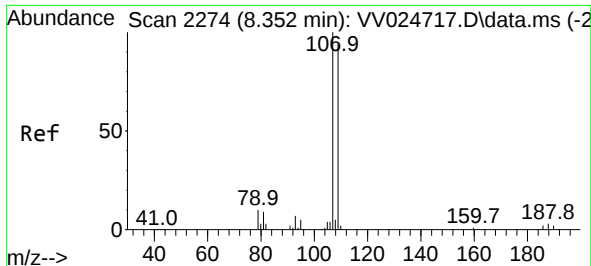
Tgt Ion: 43	Resp: 38768
Ion Ratio	Lower Upper
43 100	
58 58.8	46.0 69.0
57 19.8	15.7 23.5
100 13.3	10.3 15.5



#49
Dibromochloromethane
Concen: 0.745 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. -0.000 min
Lab File: VV024716.D
Acq: 17 Feb 2022 12:19

Tgt Ion:129	Resp:	8181	
Ion	Ratio	Lower	Upper
129	100		
127	74.2	53.6	99.6





#50

1,2-Dibromoethane

Concen: 0.850 ug/L

RT: 8.355 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV024716.D

Acq: 17 Feb 2022 12:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD001215

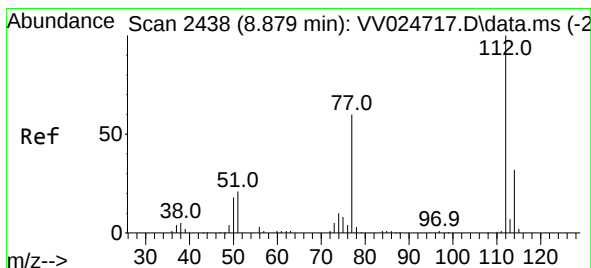
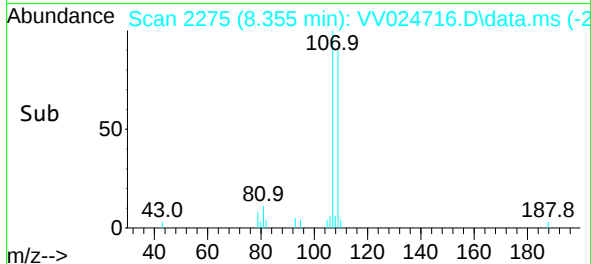
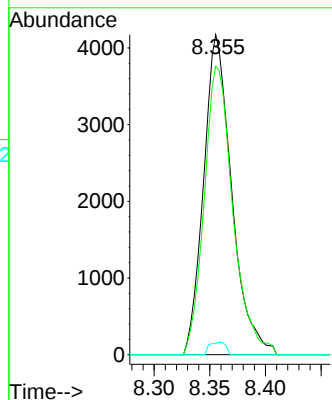
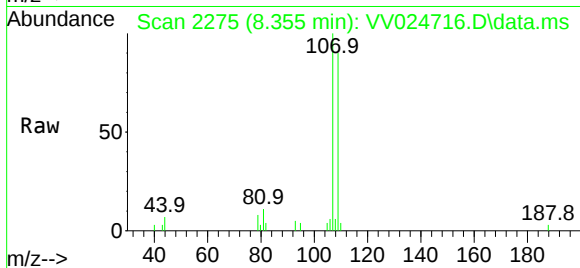
Tgt Ion:107 Resp: 7324

Ion Ratio Lower Upper

107 100

109 90.2 65.6 121.8

188 3.5 2.6 3.8



#51

Chlorobenzene

Concen: 0.881 ug/L

RT: 8.883 min Scan# 2439

Delta R.T. 0.003 min

Lab File: VV024716.D

Acq: 17 Feb 2022 12:19

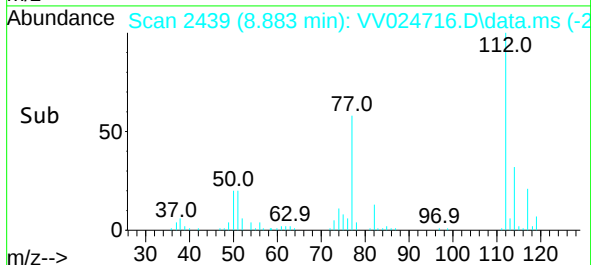
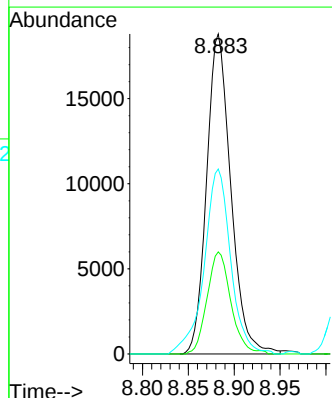
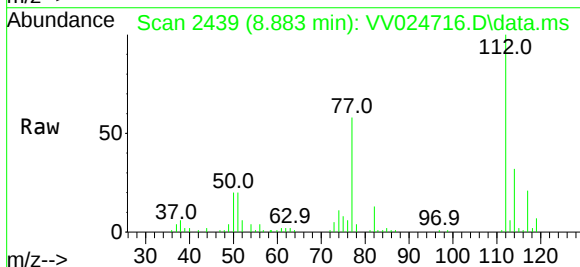
Tgt Ion:112 Resp: 34580

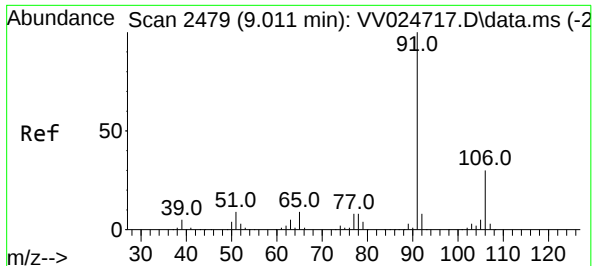
Ion Ratio Lower Upper

112 100

114 31.9 22.3 41.5

77 57.8 48.4 72.6





#52

Ethylbenzene

Concen: 0.824 ug/L

RT: 9.014 min Scan# 2479

Delta R.T. 0.003 min

Lab File: VV024716.D

Acq: 17 Feb 2022 12:19

Instrument :

MSVOA_V

ClientSampleId :

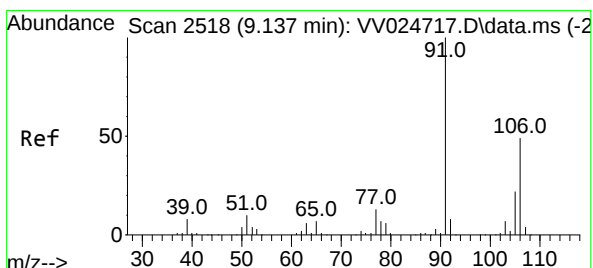
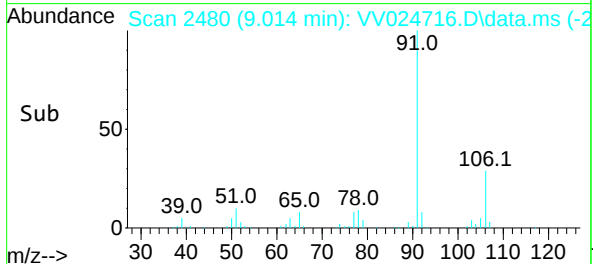
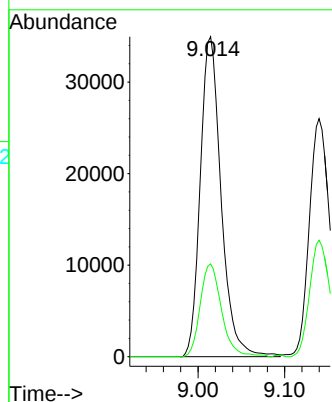
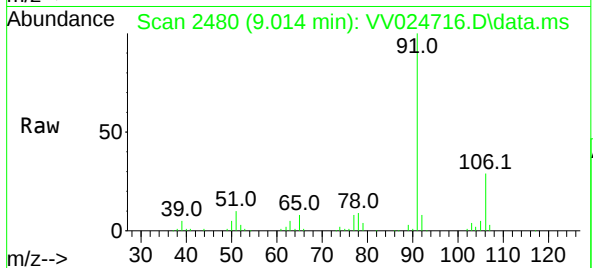
VSTD001215

Tgt Ion: 91 Resp: 58481

Ion Ratio Lower Upper

91 100

106 29.0 21.3 39.5



#53

m,p-xylene

Concen: 0.810 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.003 min

Lab File: VV024716.D

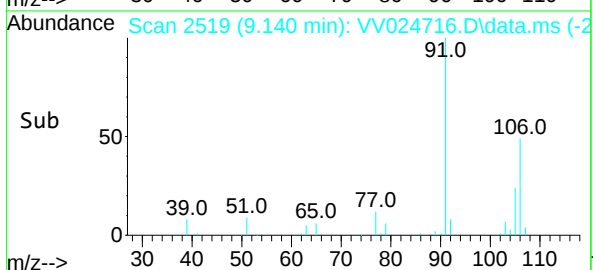
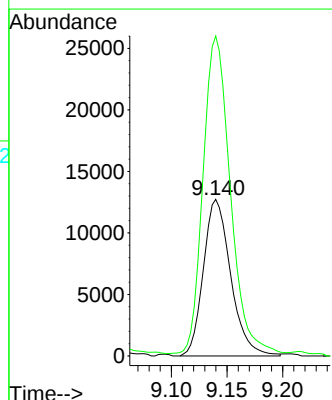
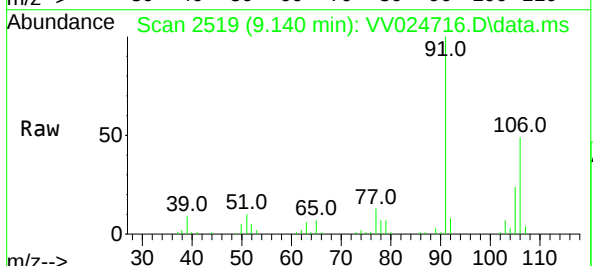
Acq: 17 Feb 2022 12:19

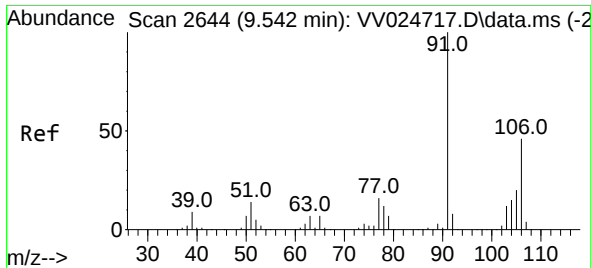
Tgt Ion: 106 Resp: 21747

Ion Ratio Lower Upper

106 100

91 204.4 143.6 266.6

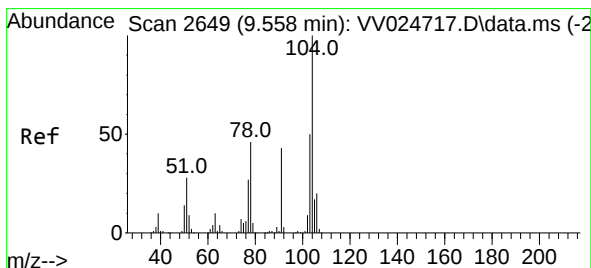
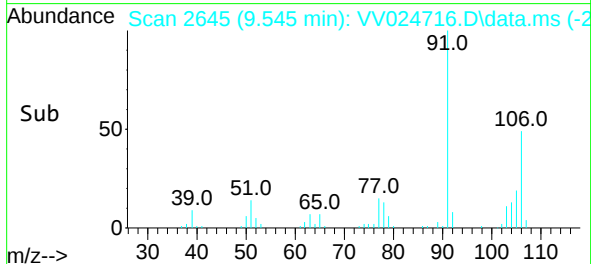
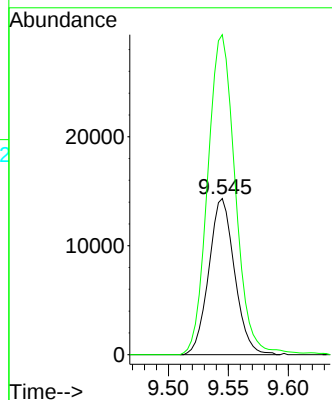
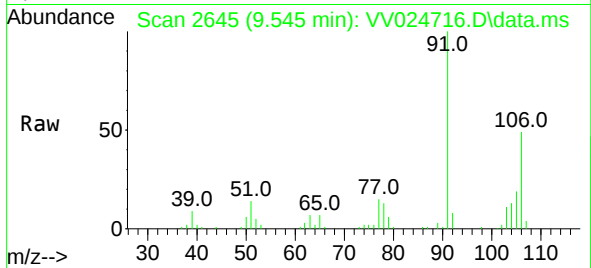




#54
o-xylene
Concen: 0.821 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV024716.D
Acq: 17 Feb 2022 12:19

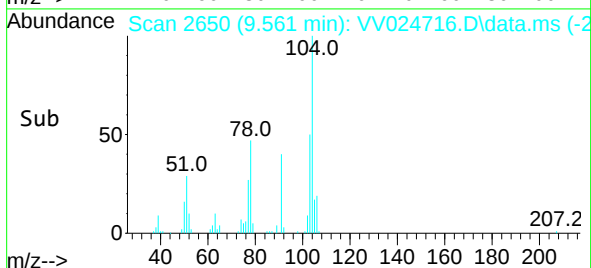
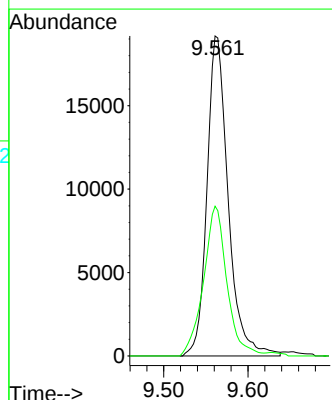
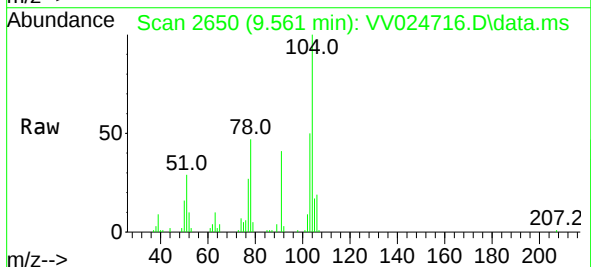
Instrument :
MSVOA_V
ClientSampleId :
VSTD001215

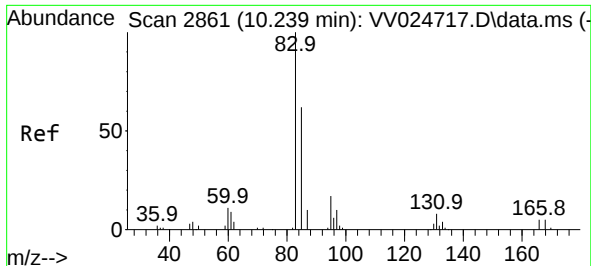
Tgt Ion:106 Resp: 21381
Ion Ratio Lower Upper
106 100
91 204.8 152.2 282.7



#55
Styrene
Concen: 0.783 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.003 min
Lab File: VV024716.D
Acq: 17 Feb 2022 12:19

Tgt Ion:104 Resp: 33519
Ion Ratio Lower Upper
104 100
78 46.8 32.0 59.4





#57

1,1,2,2-Tetrachloroethane

Concen: 0.843 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. -0.000 min

Lab File: VV024716.D

Acq: 17 Feb 2022 12:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD001215

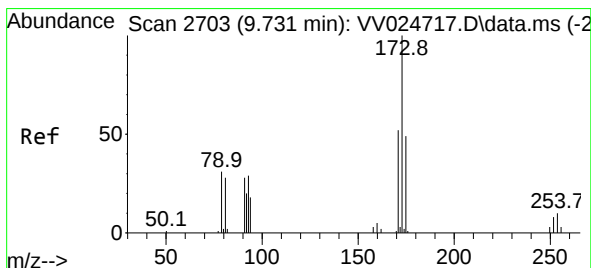
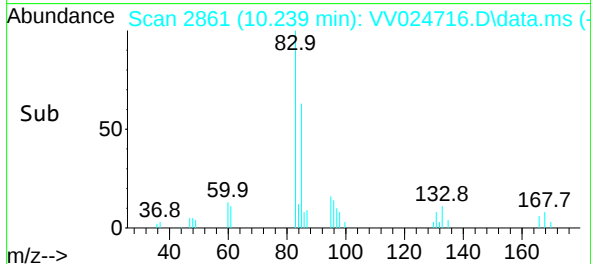
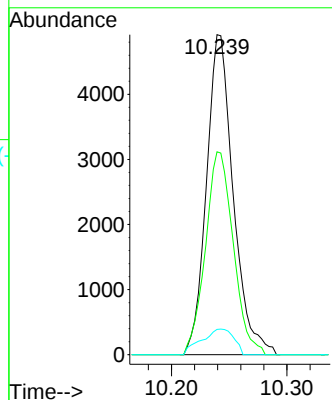
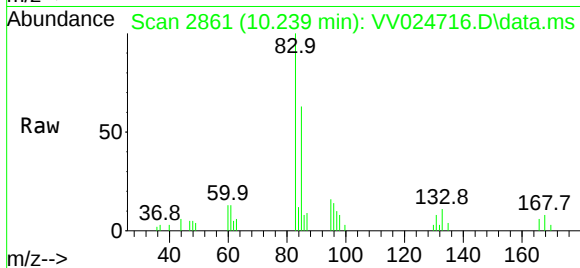
Tgt Ion: 83 Resp: 7923

Ion Ratio Lower Upper

83 100

85 63.4 43.9 81.5

131 7.9 7.0 10.4



#59

Bromoform

Concen: 0.695 ug/L

RT: 9.731 min Scan# 2703

Delta R.T. -0.000 min

Lab File: VV024716.D

Acq: 17 Feb 2022 12:19

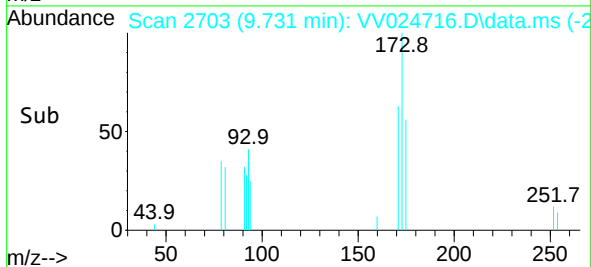
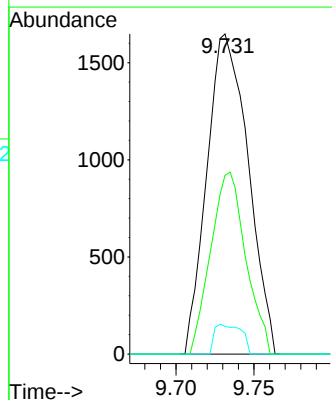
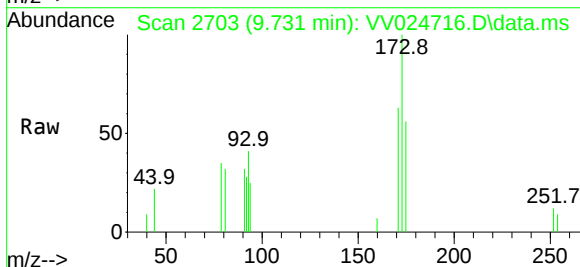
Tgt Ion: 173 Resp: 3032

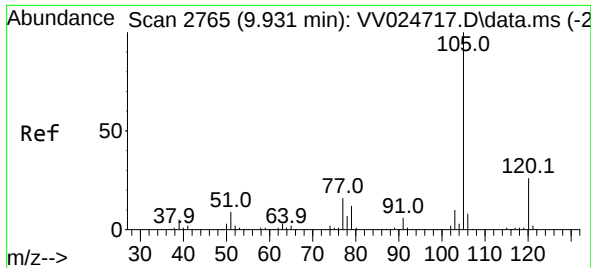
Ion Ratio Lower Upper

173 100

175 48.3 39.4 59.0

254 6.0 7.0 10.4#

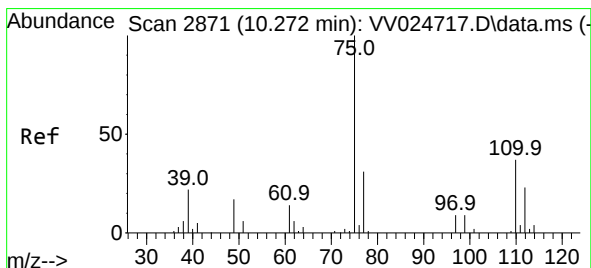
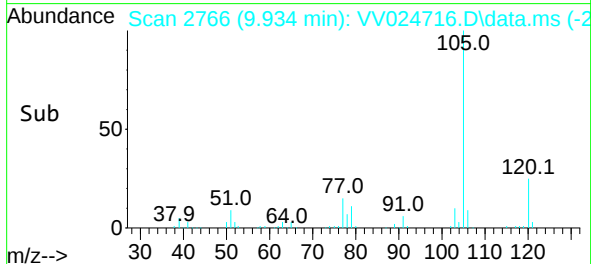
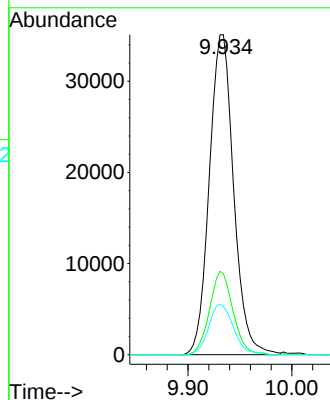
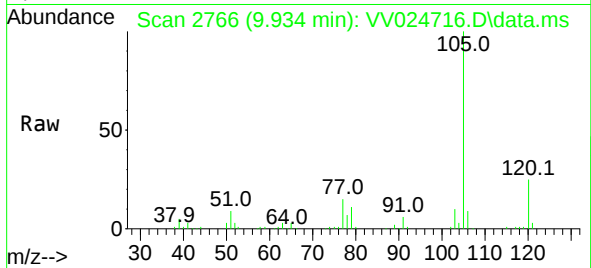




#60
Isopropylbenzene
Concen: 0.899 ug/L
RT: 9.934 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV024716.D
Acq: 17 Feb 2022 12:19

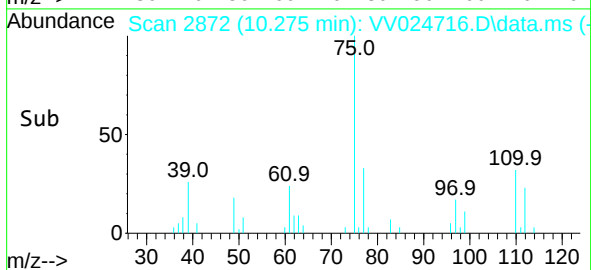
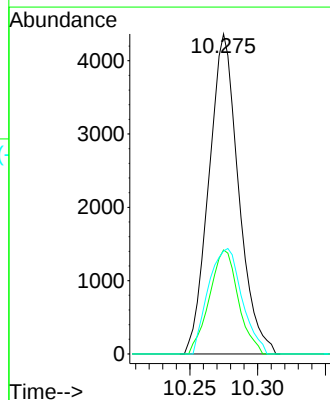
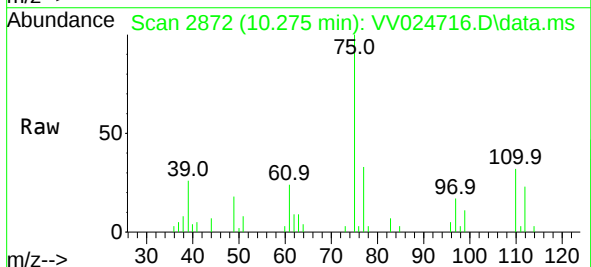
Instrument :
MSVOA_V
ClientSampleId :
VSTD001215

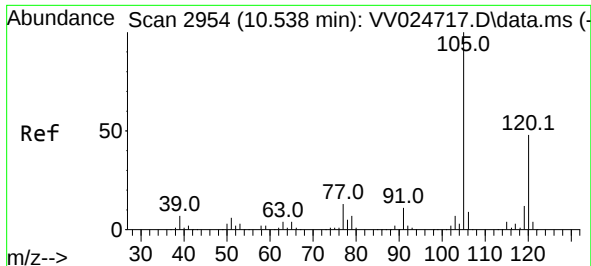
Tgt Ion:105 Resp: 57036
Ion Ratio Lower Upper
105 100
120 25.1 20.7 31.1
77 16.0 12.7 19.1



#61
1,2,3-Trichloropropane
Concen: 0.968 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. 0.003 min
Lab File: VV024716.D
Acq: 17 Feb 2022 12:19

Tgt Ion: 75 Resp: 6649
Ion Ratio Lower Upper
75 100
77 31.6 26.3 39.5
110 37.2 30.3 45.5





#62

1,3,5-Trimethylbenzene

Concen: 0.855 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. -0.000 min

Lab File: VV024716.D

Acq: 17 Feb 2022 12:19

Instrument :

MSVOA_V

ClientSampleId :

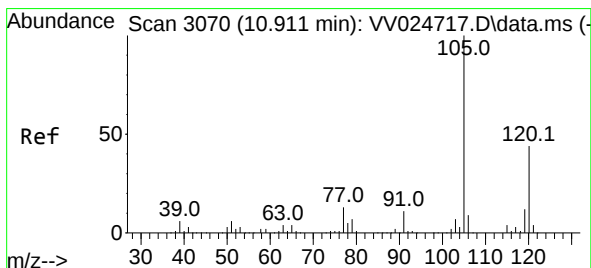
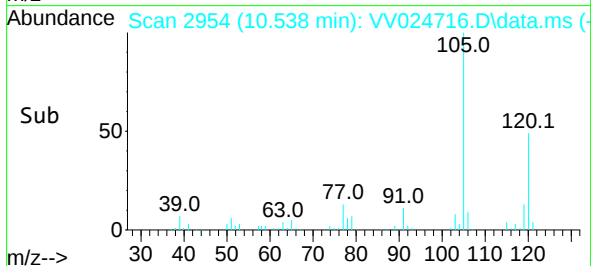
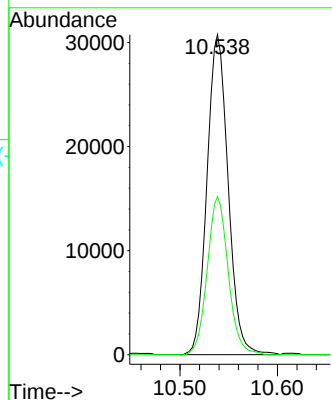
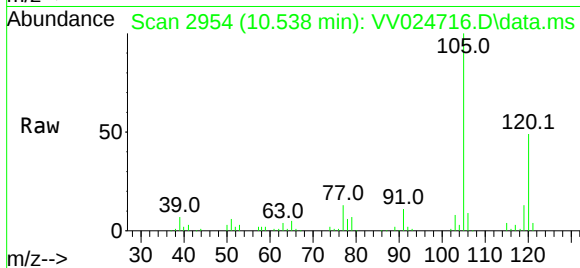
VSTD001215

Tgt Ion:105 Resp: 46300

Ion Ratio Lower Upper

105 100

120 49.0 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 0.839 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.003 min

Lab File: VV024716.D

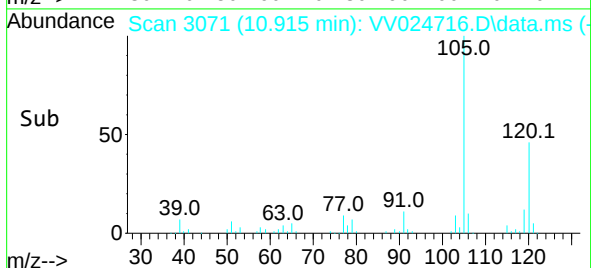
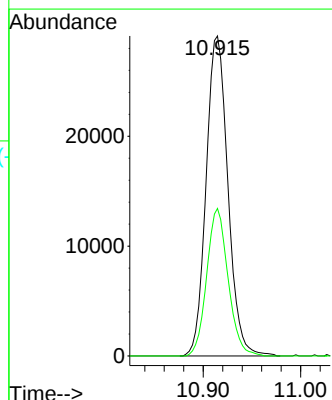
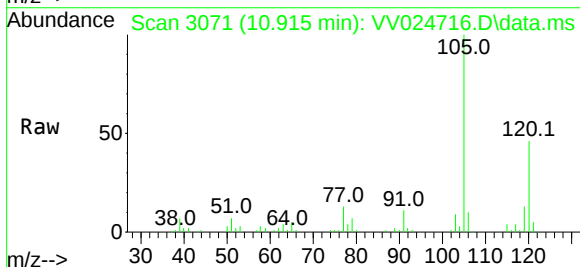
Acq: 17 Feb 2022 12:19

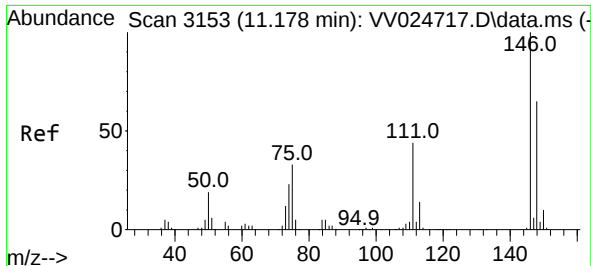
Tgt Ion:105 Resp: 45233

Ion Ratio Lower Upper

105 100

120 45.2 35.9 53.9

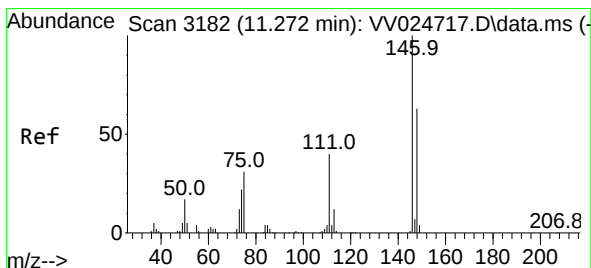
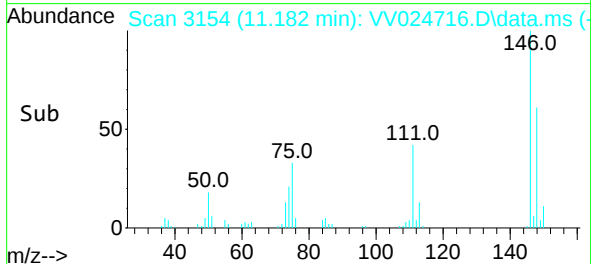
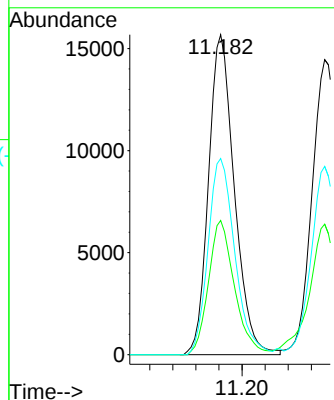
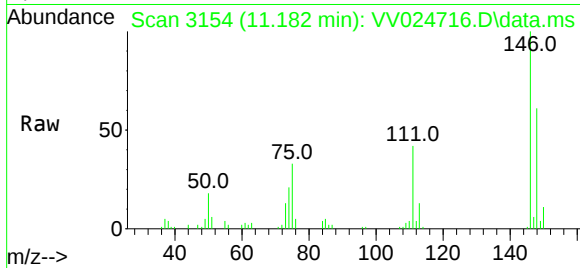




#64
1,3-Dichlorobenzene
Concen: 0.938 ug/L
RT: 11.182 min Scan# 3154
Delta R.T. 0.003 min
Lab File: VV024716.D
Acq: 17 Feb 2022 12:19

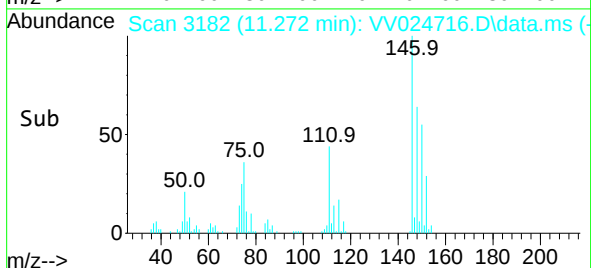
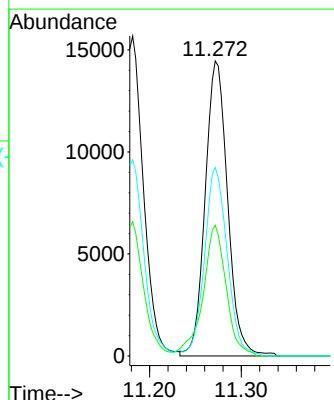
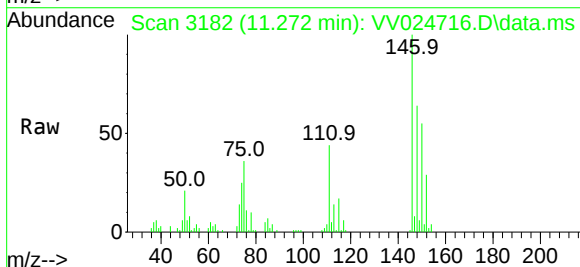
Instrument :
MSVOA_V
ClientSampleId :
VSTD001215

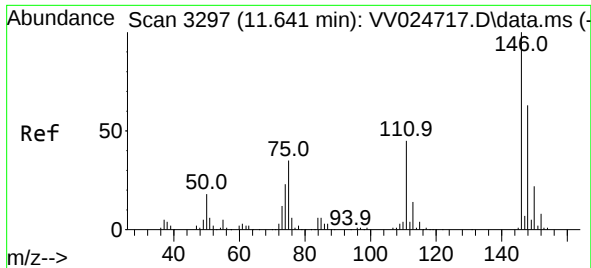
Tgt Ion:146 Resp: 24331
Ion Ratio Lower Upper
146 100
111 42.0 31.0 57.6
148 61.3 45.4 84.4



#65
1,4-Dichlorobenzene
Concen: 0.956 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. -0.000 min
Lab File: VV024716.D
Acq: 17 Feb 2022 12:19

Tgt Ion:146 Resp: 24606
Ion Ratio Lower Upper
146 100
111 44.2 28.3 52.7
148 63.9 44.0 81.8

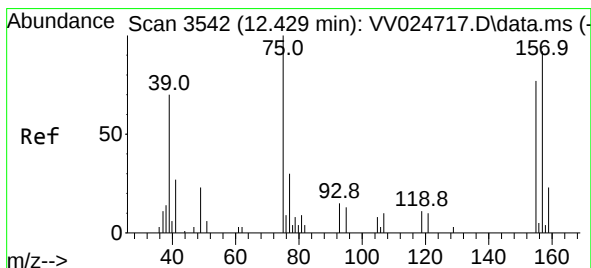
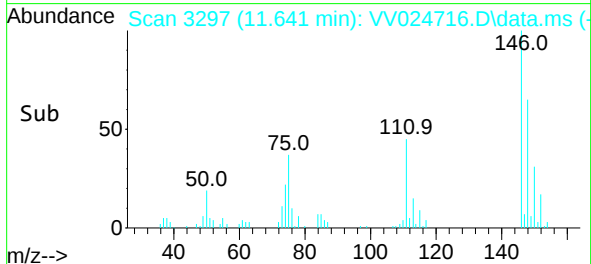
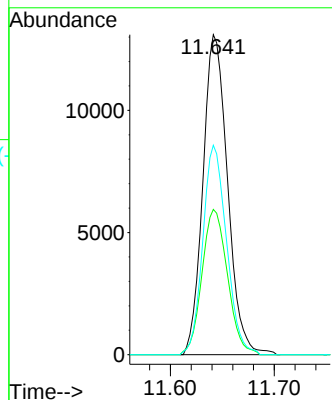
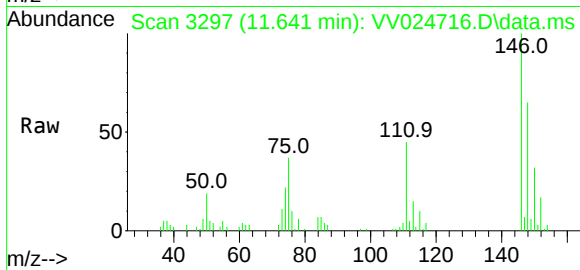




#67
1,2-Dichlorobenzene
Concen: 0.939 ug/L
RT: 11.641 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV024716.D
Acq: 17 Feb 2022 12:19

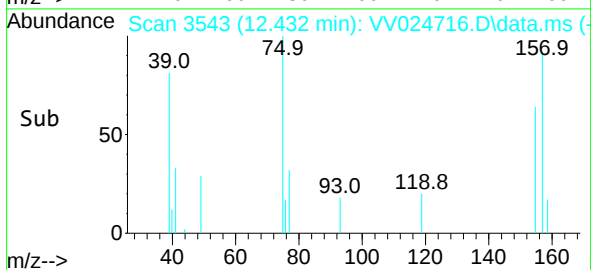
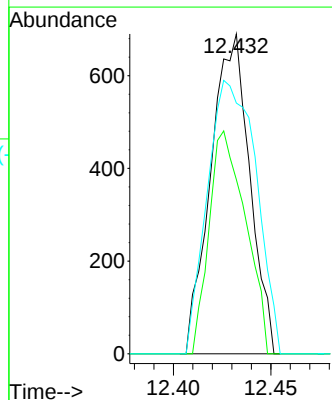
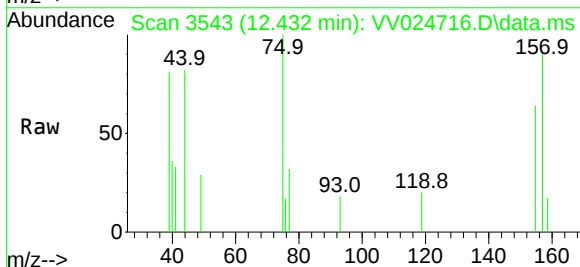
Instrument :
MSVOA_V
ClientSampleId :
VSTD001215

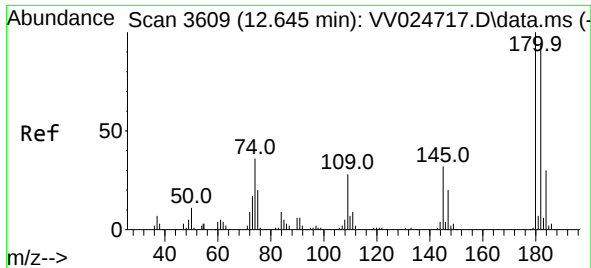
Tgt Ion:146 Resp: 21599
Ion Ratio Lower Upper
146 100
111 45.4 36.0 54.0
148 65.4 50.4 75.6



#68
1,2-Dibromo-3-chloropropane
Concen: 0.722 ug/L
RT: 12.432 min Scan# 3543
Delta R.T. 0.003 min
Lab File: VV024716.D
Acq: 17 Feb 2022 12:19

Tgt Ion: 75 Resp: 960
Ion Ratio Lower Upper
75 100
155 54.5 61.7 92.5#
157 78.4 73.5 110.3

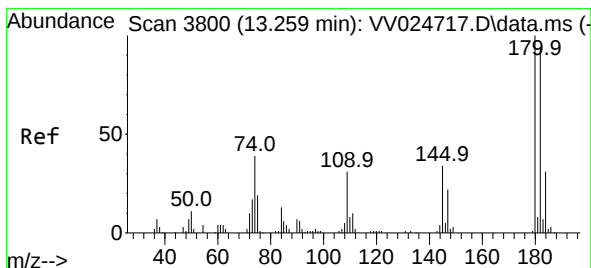
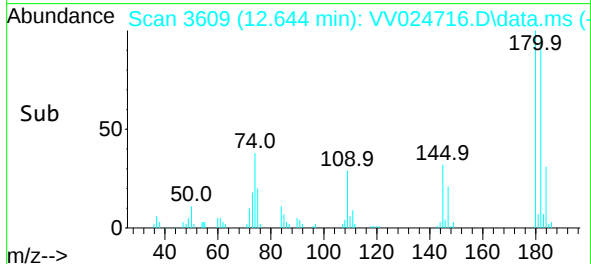
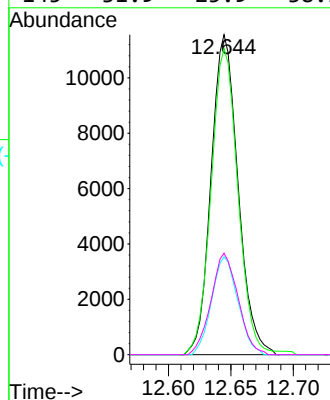
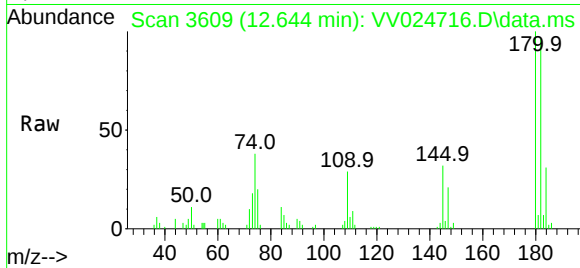




#69
 1,3,5-Trichlorobenzene
 Concen: 0.945 ug/L
 RT: 12.644 min Scan# 3609
 Delta R.T. -0.000 min
 Lab File: VV024716.D
 Acq: 17 Feb 2022 12:19

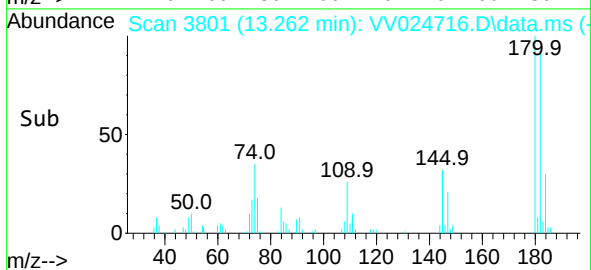
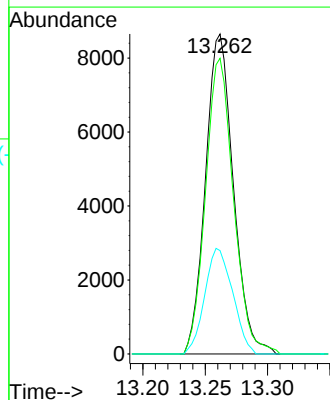
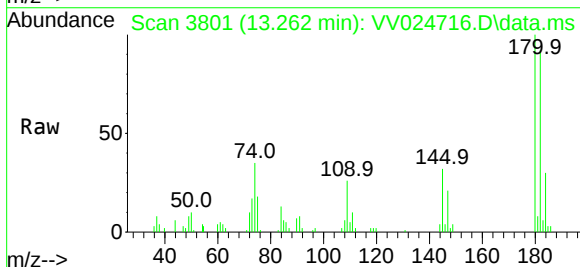
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001215

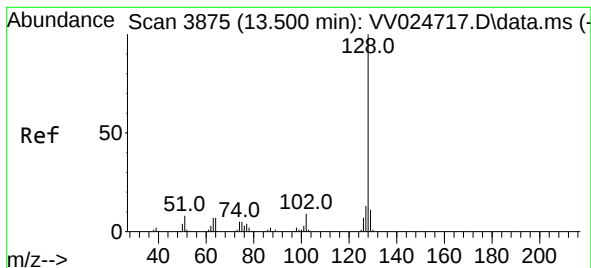
Tgt Ion:180	Resp:	17395
Ion Ratio	Lower	Upper
180	100	
182	95.4	74.6 111.8
184	29.8	23.8 35.8
145	31.9	25.9 38.9



#70
 1,2,4-trichlorobenzene
 Concen: 0.913 ug/L
 RT: 13.262 min Scan# 3801
 Delta R.T. 0.003 min
 Lab File: VV024716.D
 Acq: 17 Feb 2022 12:19

Tgt Ion:180	Resp:	13450
Ion Ratio	Lower	Upper
180	100	
182	92.9	75.0 112.6
145	33.1	26.9 40.3





#71

Naphthalene

Concen: 0.825 ug/L

RT: 13.503 min Scan# 3875

Delta R.T. 0.003 min

Lab File: VV024716.D

Acq: 17 Feb 2022 12:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD001215

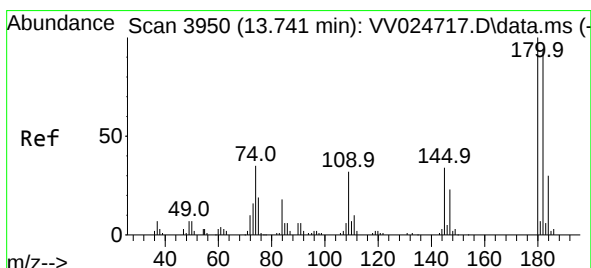
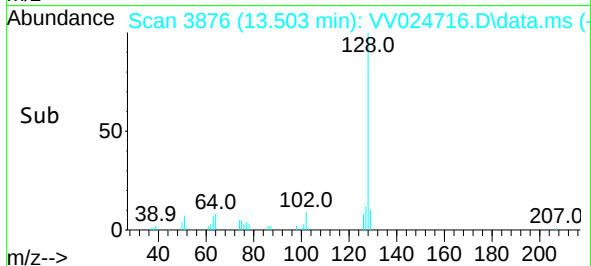
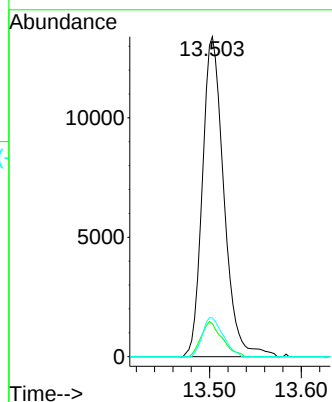
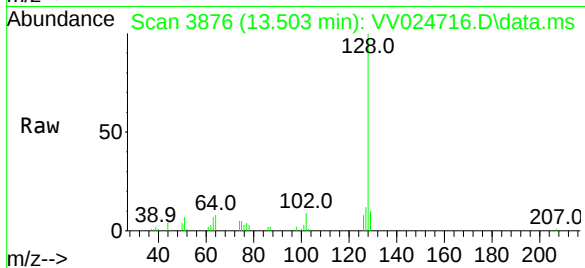
Tgt Ion:128 Resp: 21803

Ion Ratio Lower Upper

128 100

129 10.6 8.4 12.6

127 11.7 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 0.923 ug/L

RT: 13.744 min Scan# 3951

Delta R.T. 0.003 min

Lab File: VV024716.D

Acq: 17 Feb 2022 12:19

Tgt Ion:180 Resp: 11444

Ion Ratio Lower Upper

180 100

182 93.6 75.6 113.4

145 32.5 28.5 42.7

