

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021722\
 Data File : VW024721.D
 Acq On : 17 Feb 2022 14:30
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005314

Quant Time: Feb 18 07:28:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR021722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 18 07:18:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	181410	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	165097	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	75965	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	76112	4.946	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.000%
7) Chloroethane-d5	1.568	69	62871	4.981	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.600%
11) 1,1-Dichloroethene-d2	2.111	63	137276	4.868	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.400%
20) 2-Butanone-d5	3.892	46	117522	53.471	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.940%
24) Chloroform-d	4.346	84	121502	5.061	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.200%
26) 1,2-Dichloroethane-d4	5.031	65	53384	4.988	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.800%
32) Benzene-d6	5.047	84	247883	5.204	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.000%
36) 1,2-Dichloropropane-d6	6.069	67	73924	5.274	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.400%
41) Toluene-d8	7.313	98	226770	5.240	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.800%
43) trans-1,3-Dichloroprop...	7.622	79	25953	5.558	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	111.200%
46) 2-Hexanone-d5	8.085	63	99343	54.070	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.140%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	43178	5.111	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	68773	5.232	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	88399	4.997	ug/L	99
3) Chloromethane	1.243	50	88601	5.014	ug/L	100
5) Vinyl chloride	1.310	62	96445	4.972	ug/L	97
6) Bromomethane	1.523	94	57275	4.943	ug/L	97
8) Chloroethane	1.587	64	59232	4.957	ug/L	100
9) Trichlorofluoromethane	1.754	101	125903	4.944	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	72846	4.926	ug/L	99
12) 1,1-Dichloroethene	2.117	96	69408	4.913	ug/L	92
13) Acetone	2.185	43	75973	49.017	ug/L	95
14) Carbon disulfide	2.294	76	201169	5.074	ug/L	100
15) Methyl Acetate	2.439	43	19827	4.886	ug/L	94
16) Methylene chloride	2.506	84	69793	5.017	ug/L	99
17) Methyl tert-butyl Ether	2.767	73	140642	5.064	ug/L	100
18) trans-1,2-Dichloroethene	2.760	96	69037	5.004	ug/L	98
19) 1,1-Dichloroethane	3.188	63	127918	5.063	ug/L	99
21) 2-Butanone	3.976	43	129643	54.127	ug/L	98
22) cis-1,2-Dichloroethene	3.908	96	73050	5.008	ug/L	98
23) Bromochloromethane	4.249	128	28692	5.090	ug/L	91
25) Chloroform	4.375	83	130531	4.946	ug/L	100

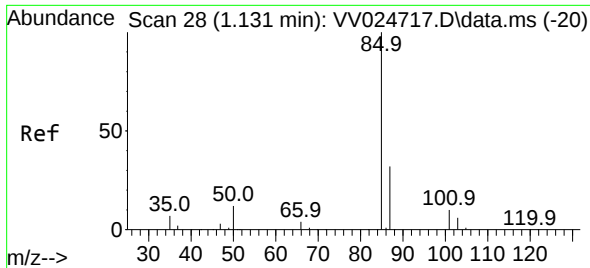
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 Data File : VW024721.D
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 ALS Vial : 10 Sample Multiplier: 1

Instrument :
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Quant Time: Feb 18 07:28:36 2022
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	69729	4.950	ug/L	100
29) 1,1,1-Trichloroethane	4.606	97	114296	5.158	ug/L	99
30) Cyclohexane	4.674	56	115348	5.133	ug/L	100
31) Carbon tetrachloride	4.825	117	96472	5.179	ug/L	98
33) Benzene	5.098	78	286710	5.129	ug/L	100
34) Trichloroethene	5.911	95	75894	5.125	ug/L	98
35) Methylcyclohexane	6.127	83	124736	5.214	ug/L	99
37) 1,2-Dichloropropane	6.172	63	68792	5.209	ug/L	100
38) Bromodichloromethane	6.506	83	87399	5.258	ug/L	99
39) cis-1,3-Dichloropropene	7.024	75	98122	5.357	ug/L	100
40) 4-Methyl-2-pentanone	7.223	43	330209	52.564	ug/L	100
42) Toluene	7.384	91	310867	5.224	ug/L	99
44) trans-1,3-Dichloropropene	7.648	75	77656	5.306	ug/L	98
45) 1,1,2-Trichloroethane	7.837	97	44901	5.226	ug/L	99
47) Tetrachloroethene	7.973	164	50897	5.048	ug/L	94
48) 2-Hexanone	8.136	43	231602	52.435	ug/L	100
49) Dibromochloromethane	8.243	129	50289	5.275	ug/L	97
50) 1,2-Dibromoethane	8.352	107	39869	5.086	ug/L	99
51) Chlorobenzene	8.879	112	192603	5.173	ug/L	98
52) Ethylbenzene	9.011	91	339153	5.222	ug/L	99
53) m,p-xylene	9.136	106	129612	5.279	ug/L	99
54) o-xylene	9.542	106	125952	5.249	ug/L	97
55) Styrene	9.558	104	207797	5.324	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	46103	5.074	ug/L	98
59) Bromoform	9.728	173	20891	5.433	ug/L	99
60) Isopropylbenzene	9.931	105	338150	5.381	ug/L	100
61) 1,2,3-Trichloropropane	10.271	75	36096	5.243	ug/L	98
62) 1,3,5-Trimethylbenzene	10.535	105	286949	5.478	ug/L	99
63) 1,2,4-Trimethylbenzene	10.911	105	286646	5.513	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	141793	5.351	ug/L	97
65) 1,4-Dichlorobenzene	11.271	146	140715	5.316	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	123113	5.267	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.426	75	6605	5.611	ug/L	97
69) 1,3,5-Trichlorobenzene	12.644	180	99636	5.302	ug/L	98
70) 1,2,4-trichlorobenzene	13.258	180	80034	5.406	ug/L	99
71) Naphthalene	13.500	128	136783	5.433	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	65973	5.324	ug/L	99

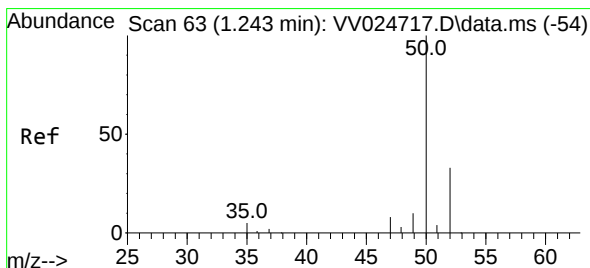
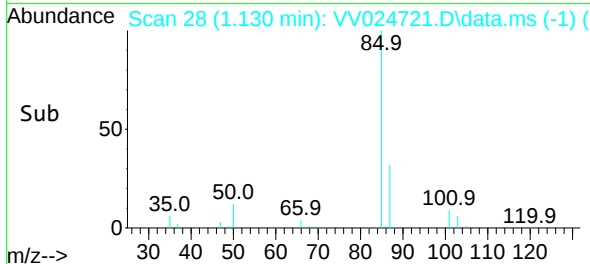
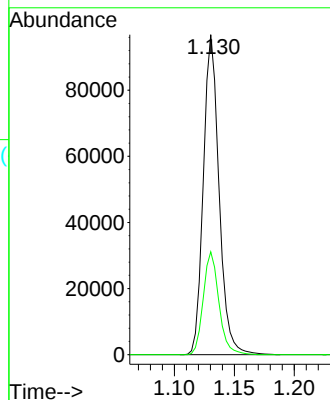
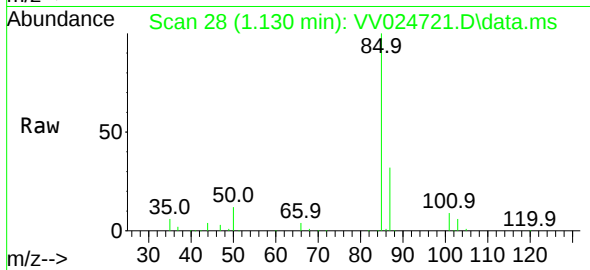
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.997 ug/L
 RT: 1.130 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VV024721.D
 Acq: 17 Feb 2022 14:30

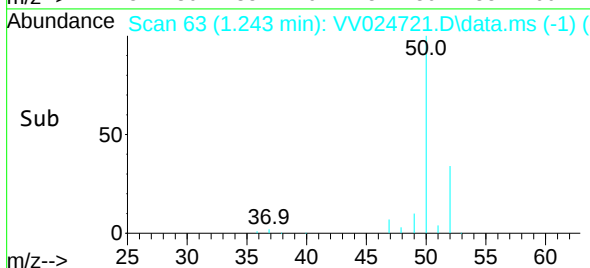
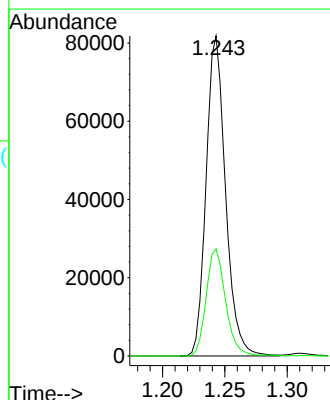
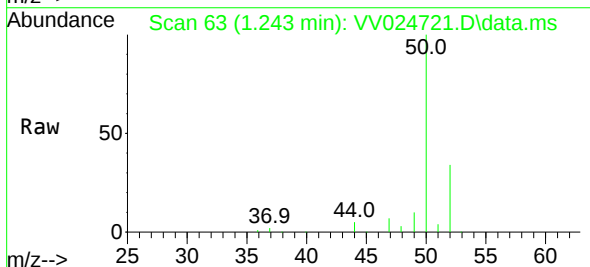
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005314

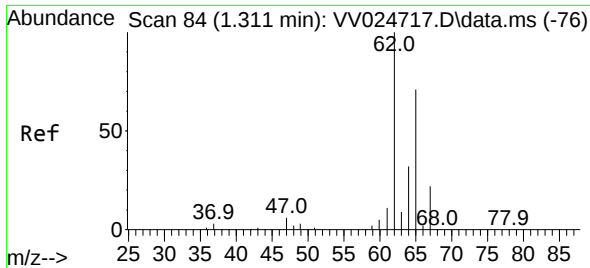
Tgt Ion: 85 Resp: 88399
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.9 38.9



#3
 Chloromethane
 Concen: 5.014 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. -0.000 min
 Lab File: VV024721.D
 Acq: 17 Feb 2022 14:30

Tgt Ion: 50 Resp: 88601
 Ion Ratio Lower Upper
 50 100
 52 33.5 23.3 43.3

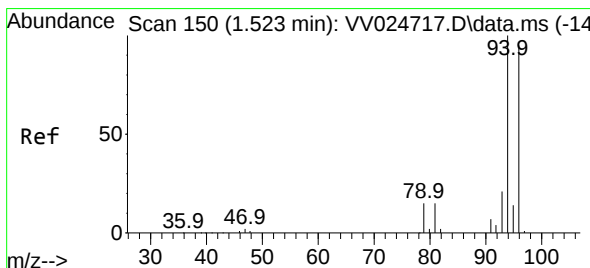
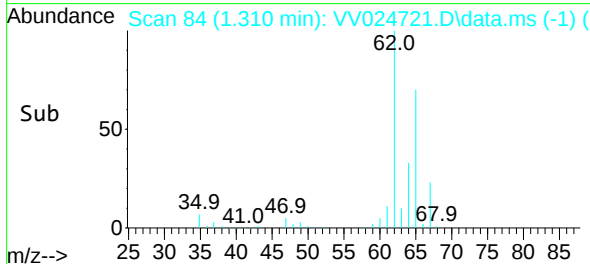
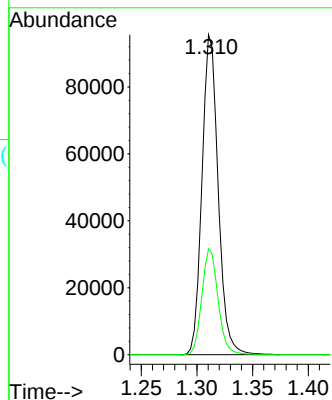
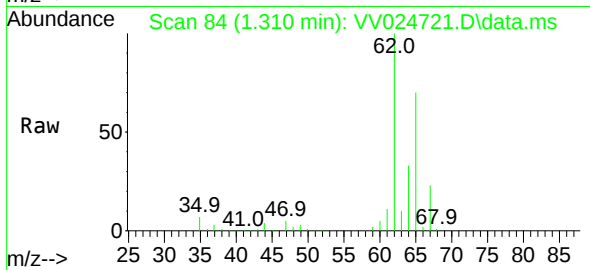




#5
 Vinyl chloride
 Concen: 4.972 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV024721.D
 Acq: 17 Feb 2022 14:30

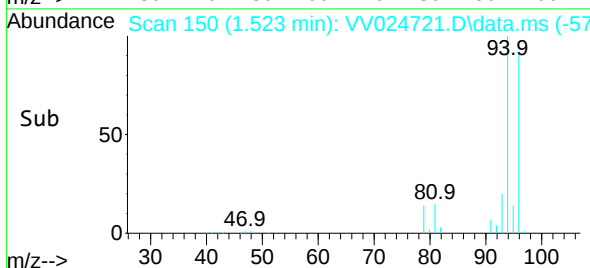
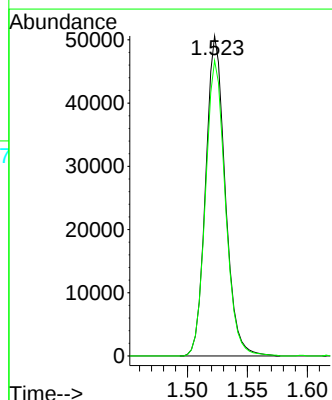
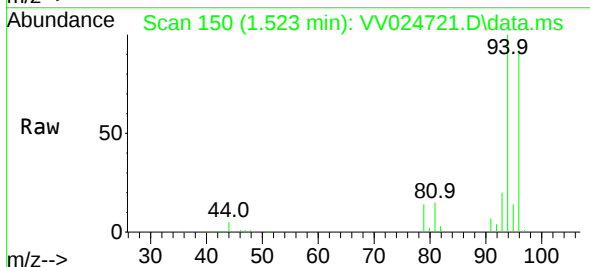
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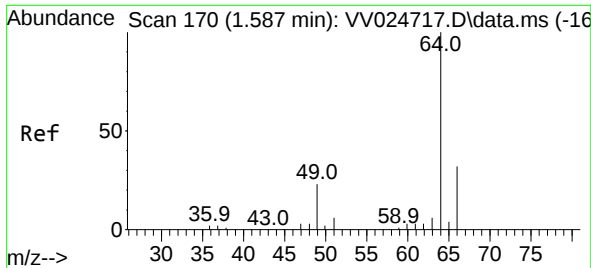
Tgt Ion: 62 Resp: 96445
 Ion Ratio Lower Upper
 62 100
 64 33.1 22.2 41.2



#6
 Bromomethane
 Concen: 4.943 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. -0.000 min
 Lab File: VV024721.D
 Acq: 17 Feb 2022 14:30

Tgt Ion: 94 Resp: 57275
 Ion Ratio Lower Upper
 94 100
 96 92.3 66.5 123.5

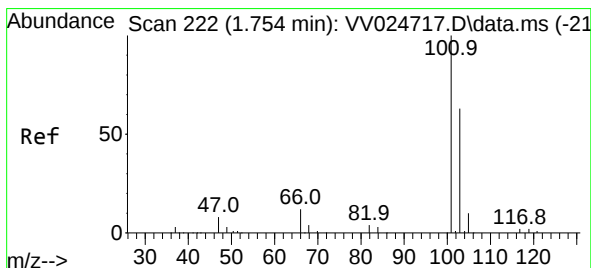
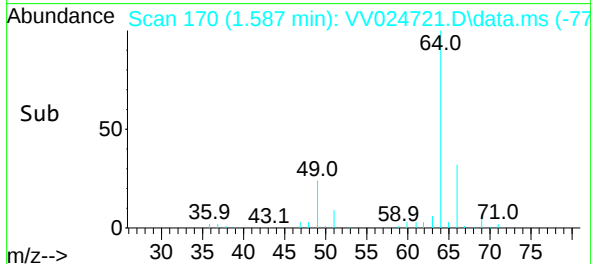
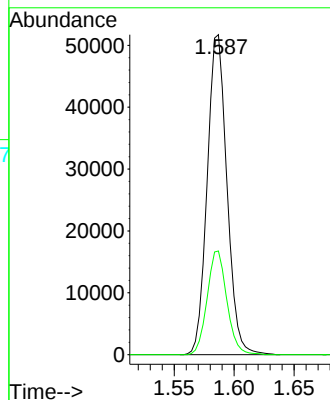
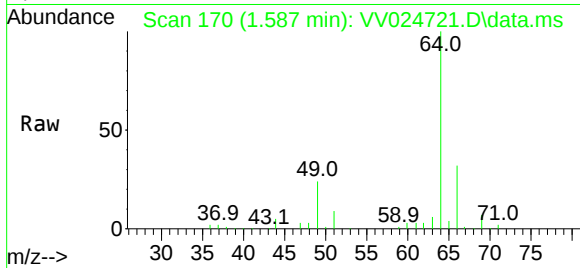




#8
Chloroethane
Concen: 4.957 ug/L
RT: 1.587 min Scan# 170
Delta R.T. -0.000 min
Lab File: VV024721.D
Acq: 17 Feb 2022 14:30

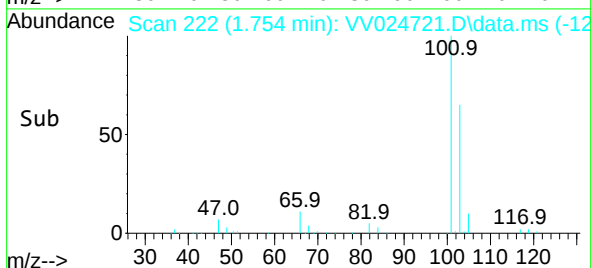
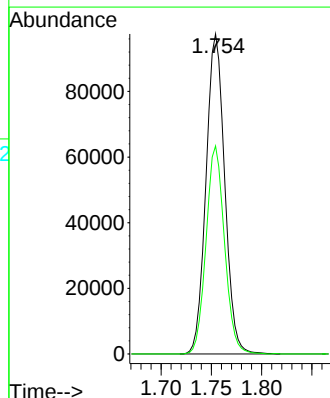
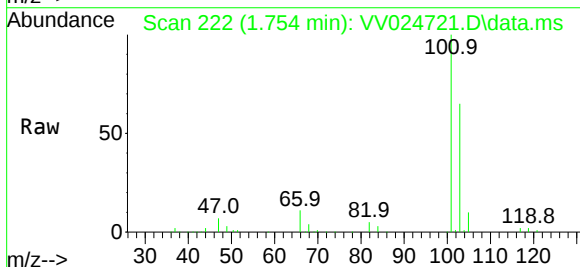
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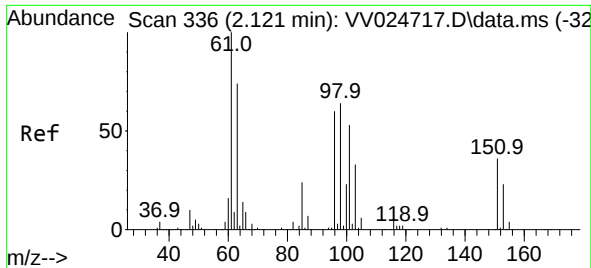
Tgt Ion: 64 Resp: 59232
Ion Ratio Lower Upper
64 100
66 32.4 22.5 41.9



#9
Trichlorofluoromethane
Concen: 4.944 ug/L
RT: 1.754 min Scan# 222
Delta R.T. -0.000 min
Lab File: VV024721.D
Acq: 17 Feb 2022 14:30

Tgt Ion: 101 Resp: 125903
Ion Ratio Lower Upper
101 100
103 64.3 50.7 76.1

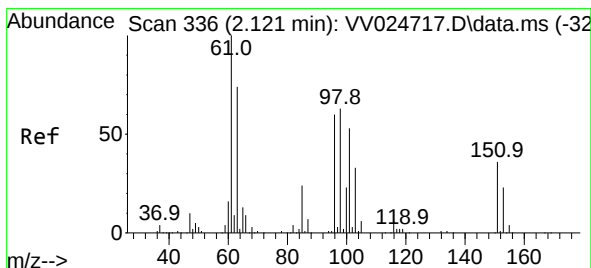
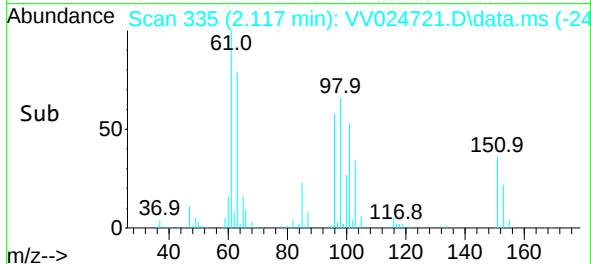
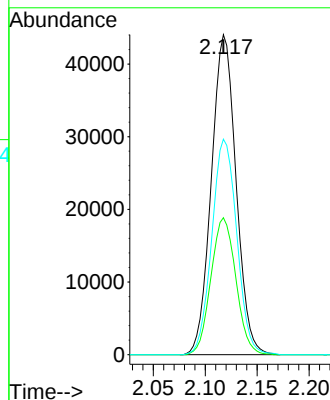
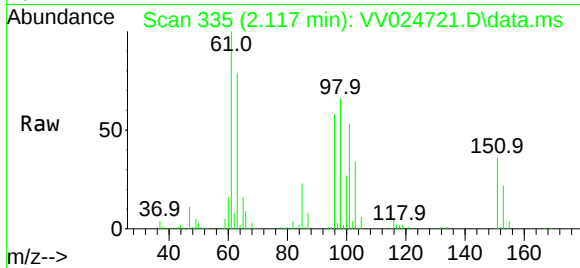




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.926 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. -0.003 min
 Lab File: VV024721.D
 Acq: 17 Feb 2022 14:30

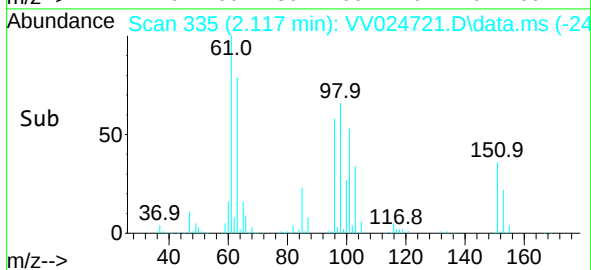
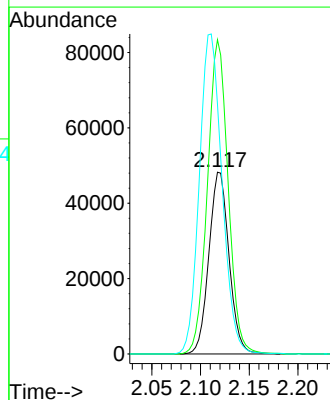
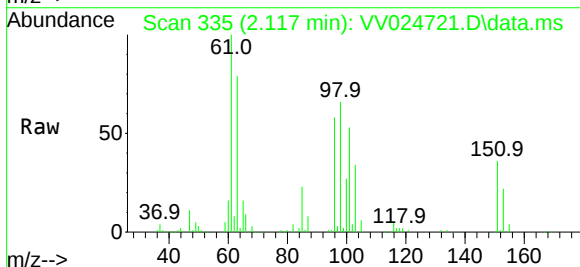
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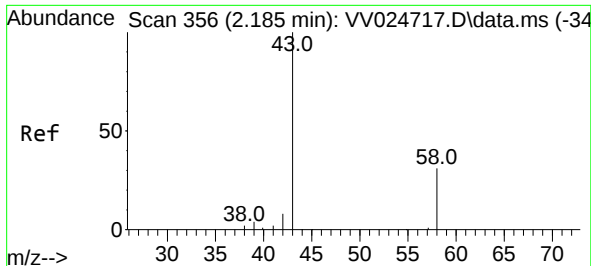
Tgt Ion:101 Resp: 72846
 Ion Ratio Lower Upper
 101 100
 85 43.1 34.7 52.1
 151 68.2 53.5 80.3



#12
 1,1-Dichloroethene
 Concen: 4.913 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. -0.003 min
 Lab File: VV024721.D
 Acq: 17 Feb 2022 14:30

Tgt Ion: 96 Resp: 69408
 Ion Ratio Lower Upper
 96 100
 61 172.9 116.3 216.1
 63 137.3 86.0 159.6





#13

Acetone

Concen: 49.017 ug/L

RT: 2.185 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV024721.D

Acq: 17 Feb 2022 14:30

Instrument :

MSVOA_V

ClientSampleId :

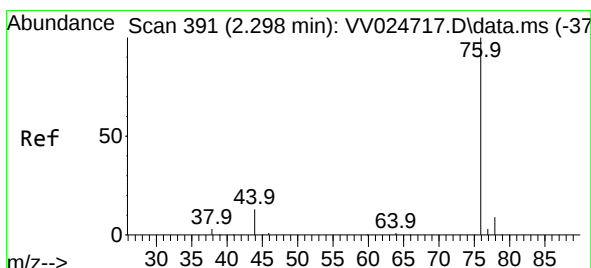
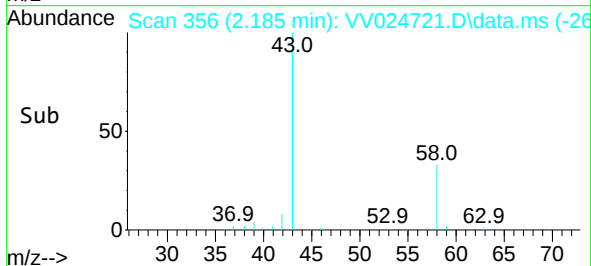
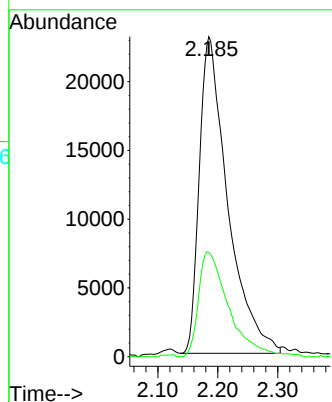
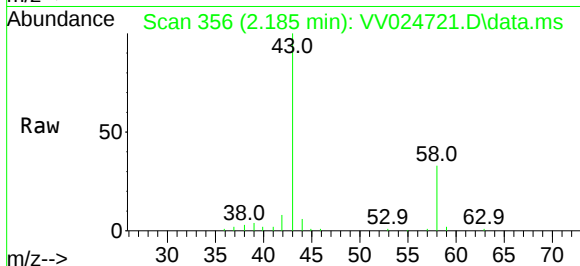
VSTD005314

Tgt Ion: 43 Resp: 75973

Ion Ratio Lower Upper

43 100

58 34.8 0.0 63.6



#14

Carbon disulfide

Concen: 5.074 ug/L

RT: 2.294 min Scan# 390

Delta R.T. -0.003 min

Lab File: VV024721.D

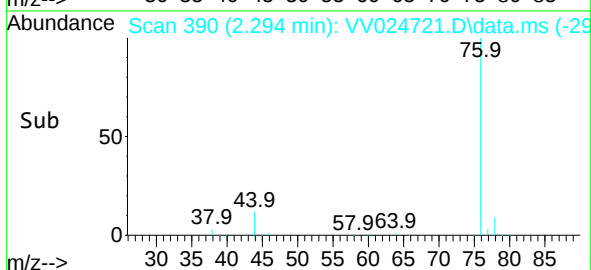
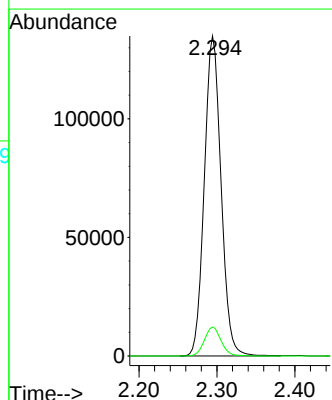
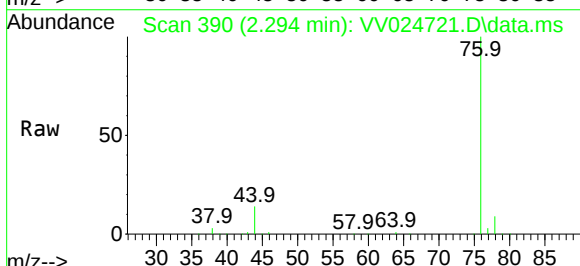
Acq: 17 Feb 2022 14:30

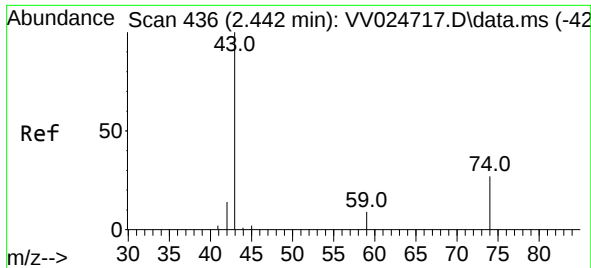
Tgt Ion: 76 Resp: 201169

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





#15

Methyl Acetate

Concen: 4.886 ug/L

RT: 2.439 min Scan# 41

Delta R.T. -0.003 min

Lab File: VV024721.D

Acq: 17 Feb 2022 14:30

Instrument :

MSVOA_V

ClientSampleId :

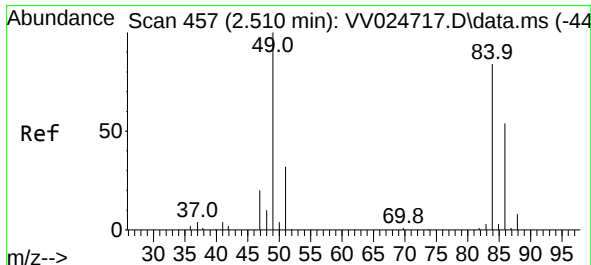
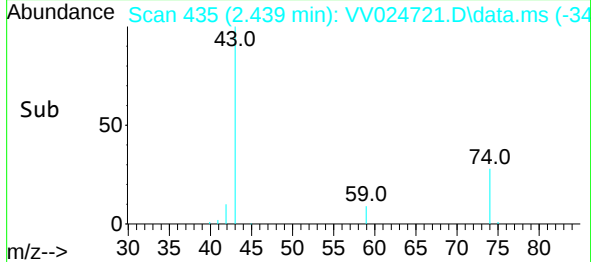
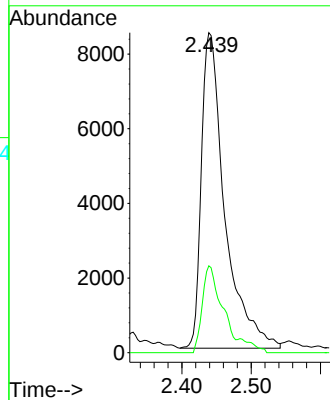
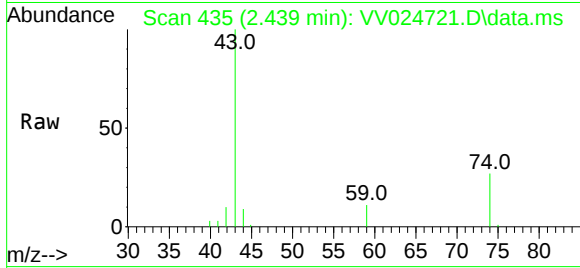
VSTD005314

Tgt Ion: 43 Resp: 19827

Ion Ratio Lower Upper

43 100

74 23.1 20.8 31.2



#16

Methylene chloride

Concen: 5.017 ug/L

RT: 2.506 min Scan# 456

Delta R.T. -0.003 min

Lab File: VV024721.D

Acq: 17 Feb 2022 14:30

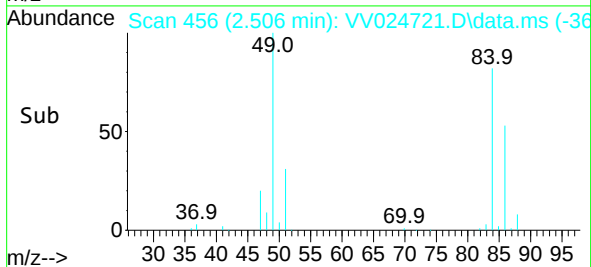
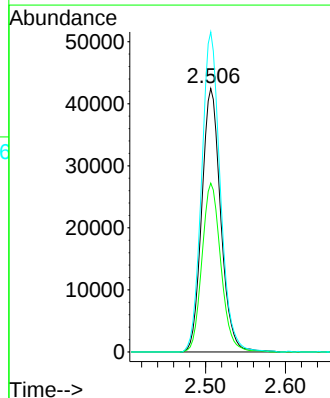
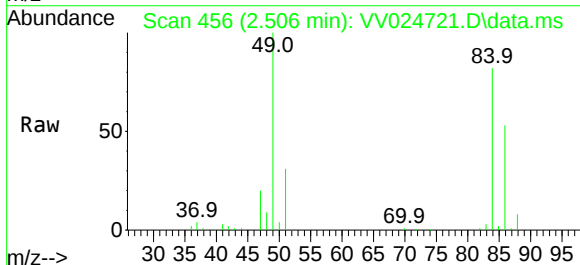
Tgt Ion: 84 Resp: 69793

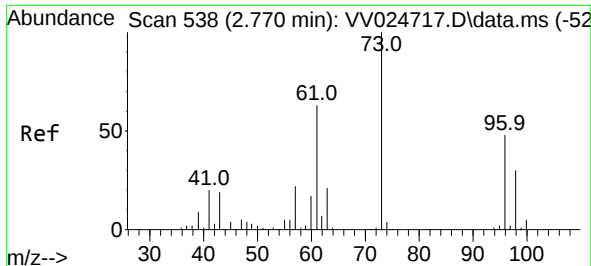
Ion Ratio Lower Upper

84 100

86 64.0 45.1 83.7

49 121.4 83.5 155.1

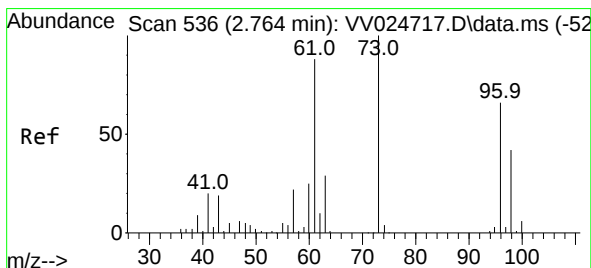
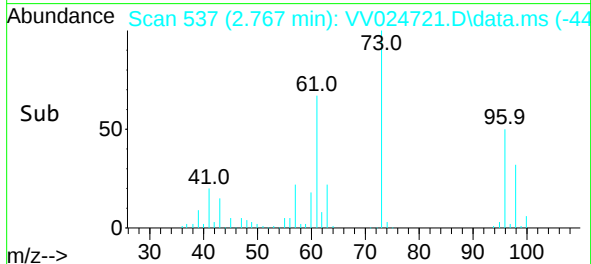
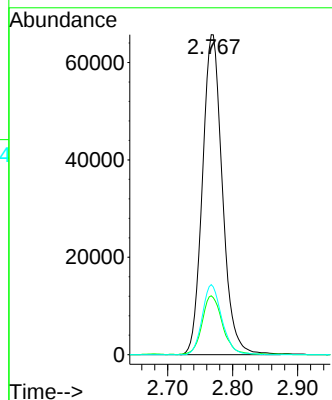
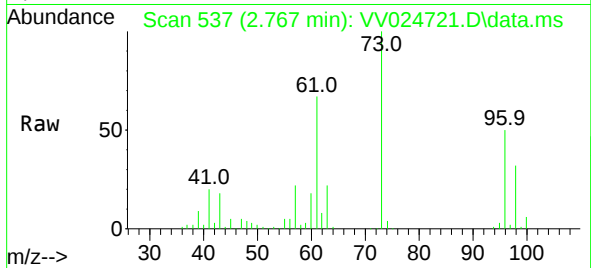




#17
Methyl tert-butyl Ether
Concen: 5.064 ug/L
RT: 2.767 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV024721.D
Acq: 17 Feb 2022 14:30

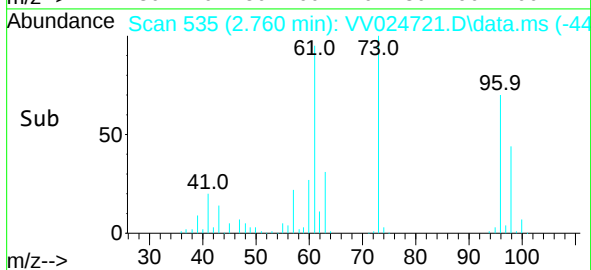
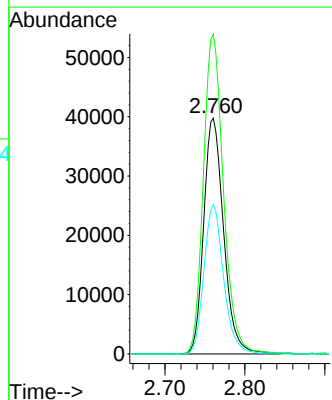
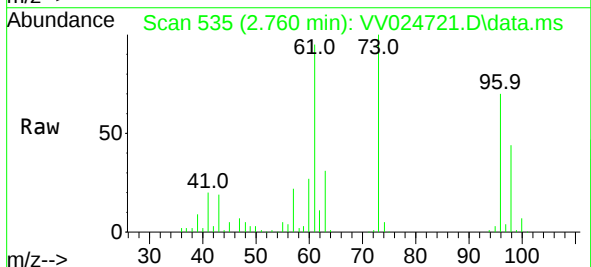
Instrument :
MSVOA_V
ClientSampleId :
VSTD005314

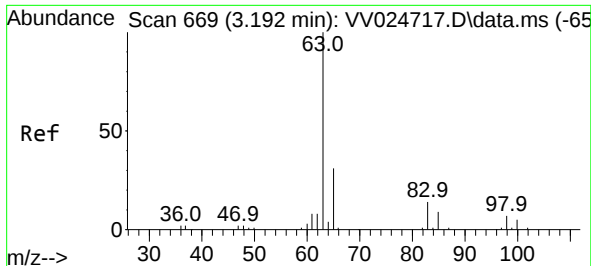
Tgt Ion: 73 Resp: 140642
Ion Ratio Lower Upper
73 100
43 18.9 15.1 22.7
57 21.4 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 5.004 ug/L
RT: 2.760 min Scan# 535
Delta R.T. -0.003 min
Lab File: VV024721.D
Acq: 17 Feb 2022 14:30

Tgt Ion: 96 Resp: 69037
Ion Ratio Lower Upper
96 100
61 135.8 92.9 172.5
98 63.4 44.5 82.7





#19

1,1-Dichloroethane

Concen: 5.063 ug/L

RT: 3.188 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV024721.D

Acq: 17 Feb 2022 14:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005314

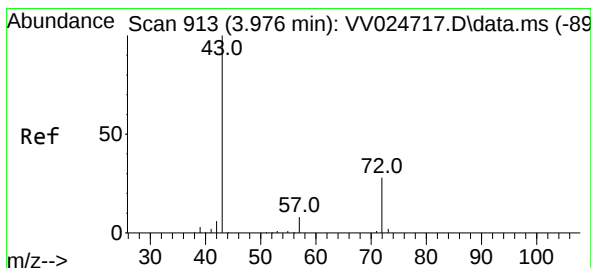
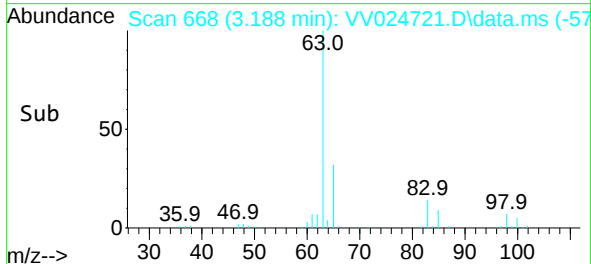
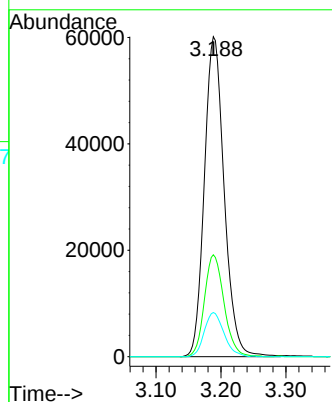
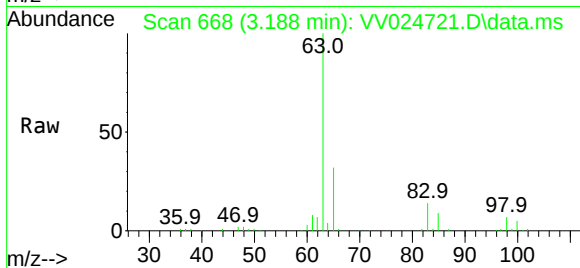
Tgt Ion: 63 Resp: 127918

Ion Ratio Lower Upper

63 100

65 31.9 22.0 40.8

83 13.8 9.5 17.7



#21

2-Butanone

Concen: 54.127 ug/L

RT: 3.976 min Scan# 913

Delta R.T. -0.000 min

Lab File: VV024721.D

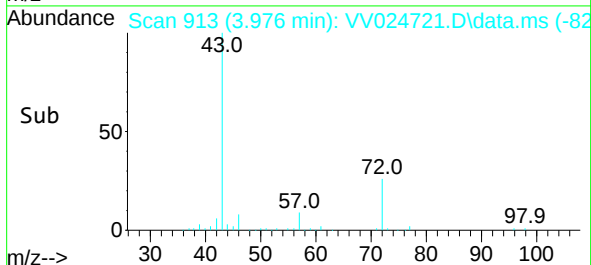
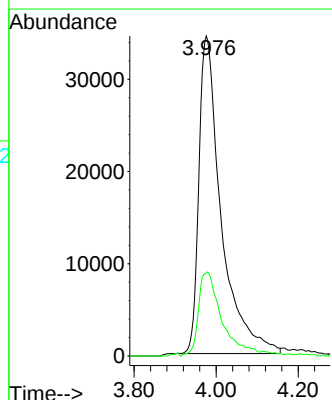
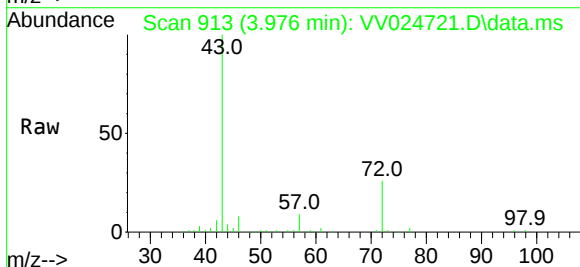
Acq: 17 Feb 2022 14:30

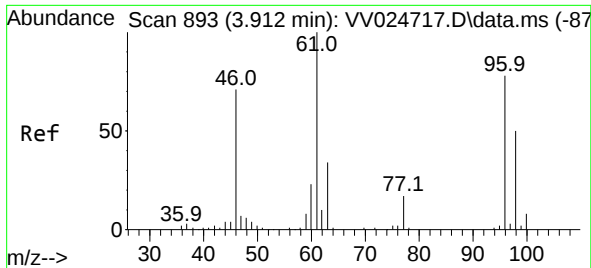
Tgt Ion: 43 Resp: 129643

Ion Ratio Lower Upper

43 100

72 27.6 13.2 39.6

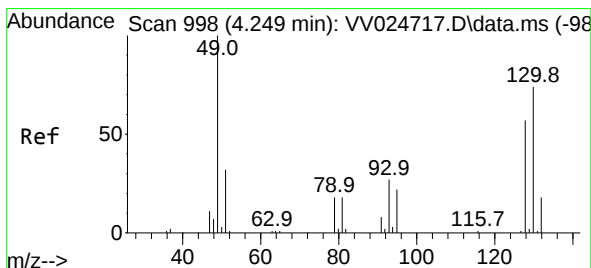
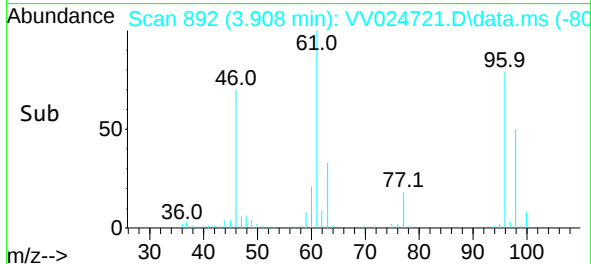
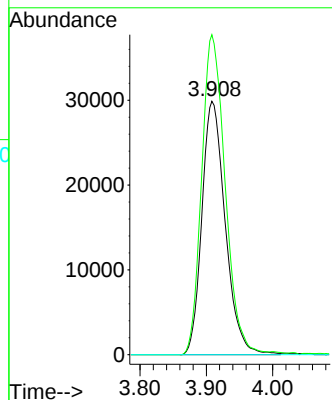
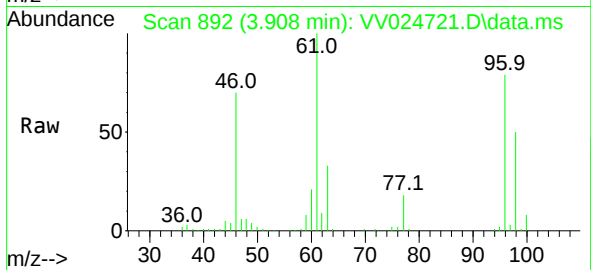




#22
 cis-1,2-Dichloroethene
 Concen: 5.008 ug/L
 RT: 3.908 min Scan# 893
 Delta R.T. -0.003 min
 Lab File: VV024721.D
 Acq: 17 Feb 2022 14:30

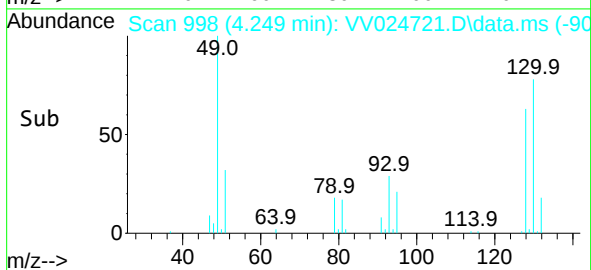
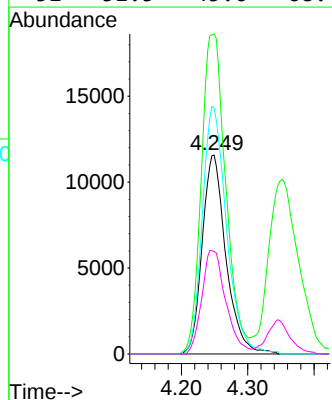
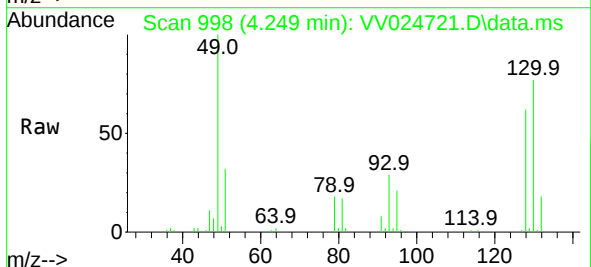
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005314

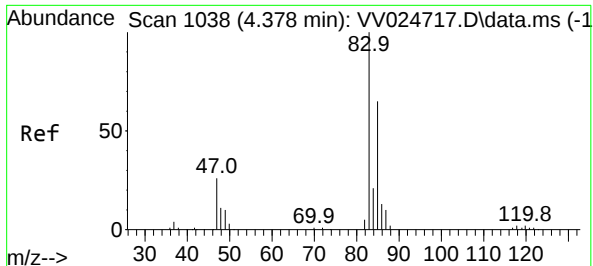
Tgt Ion: 96 Resp: 73050
 Ion Ratio Lower Upper
 96 100
 61 126.2 89.7 166.5
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.090 ug/L
 RT: 4.249 min Scan# 998
 Delta R.T. -0.000 min
 Lab File: VV024721.D
 Acq: 17 Feb 2022 14:30

Tgt Ion: 128 Resp: 28692
 Ion Ratio Lower Upper
 128 100
 49 160.9 124.2 230.6
 130 123.6 92.1 171.1
 51 51.5 45.6 68.4





#25

Chloroform

Concen: 4.946 ug/L

RT: 4.375 min Scan# 1037

Delta R.T. -0.003 min

Lab File: VV024721.D

Acq: 17 Feb 2022 14:30

Instrument :

MSVOA_V

ClientSampleId :

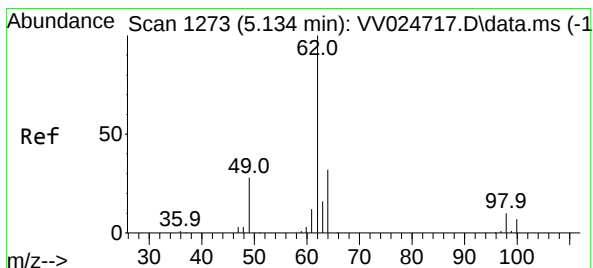
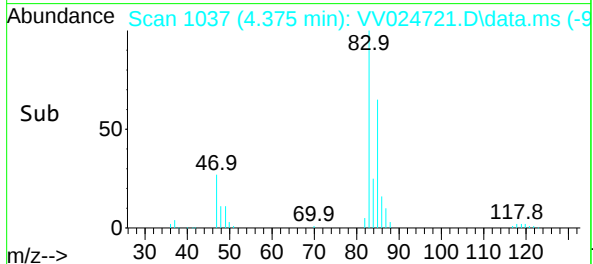
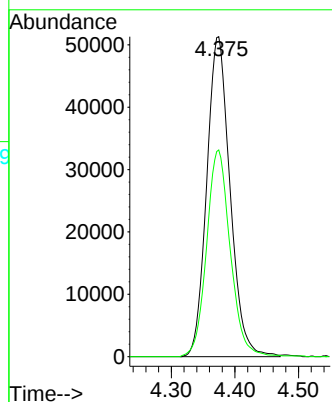
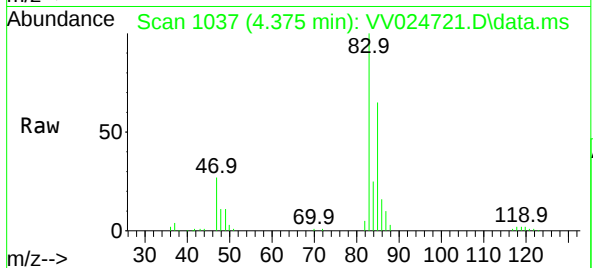
VSTD005314

Tgt Ion: 83 Resp: 130531

Ion Ratio Lower Upper

83 100

85 64.6 45.5 84.5



#27

1,2-Dichloroethane

Concen: 4.950 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. -0.003 min

Lab File: VV024721.D

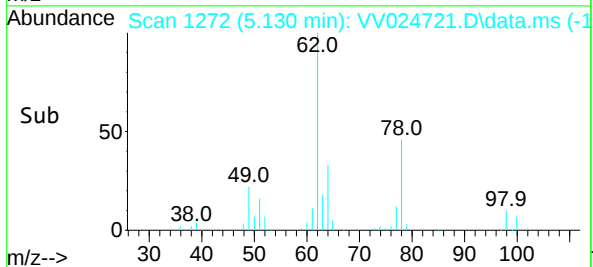
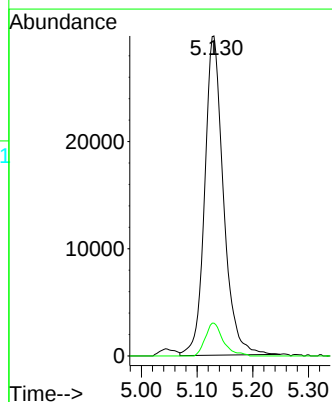
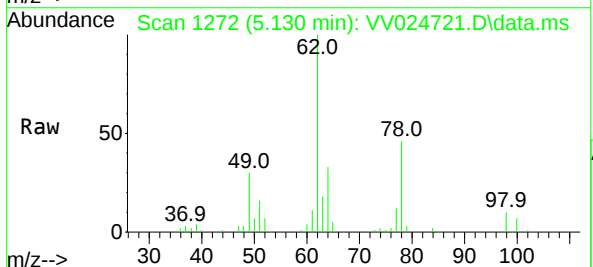
Acq: 17 Feb 2022 14:30

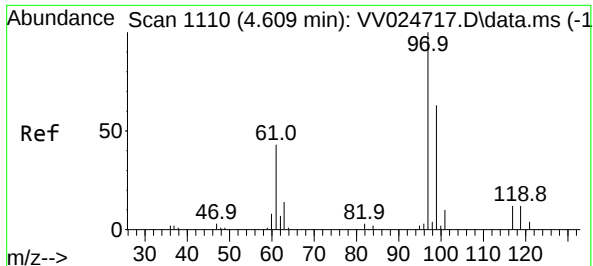
Tgt Ion: 62 Resp: 69729

Ion Ratio Lower Upper

62 100

98 10.2 8.2 12.2





#29

1,1,1-Trichloroethane

Concen: 5.158 ug/L

RT: 4.606 min Scan# 1110

Delta R.T. -0.003 min

Lab File: VV024721.D

Acq: 17 Feb 2022 14:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005314

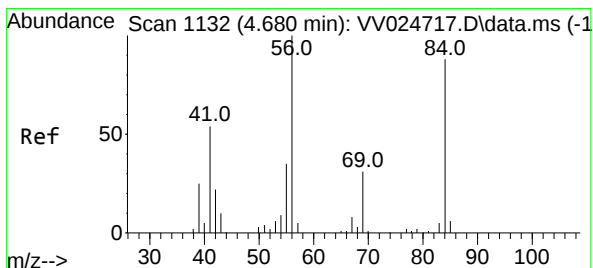
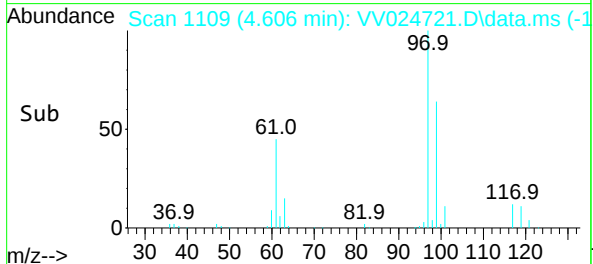
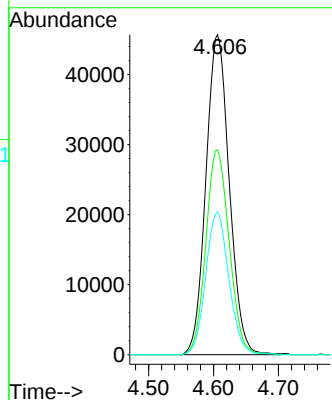
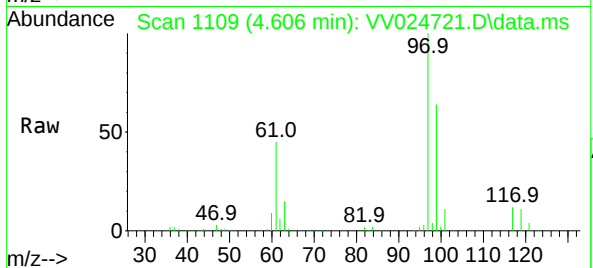
Tgt Ion: 97 Resp: 114296

Ion Ratio Lower Upper

97 100

99 63.9 50.5 75.7

61 44.4 35.8 53.6



#30

Cyclohexane

Concen: 5.133 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. -0.007 min

Lab File: VV024721.D

Acq: 17 Feb 2022 14:30

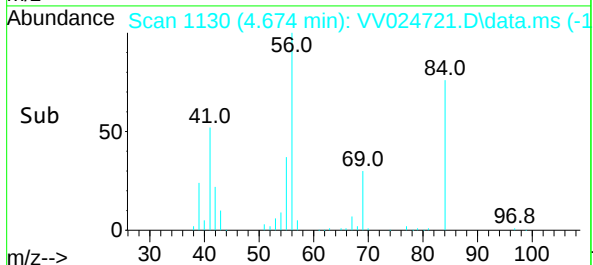
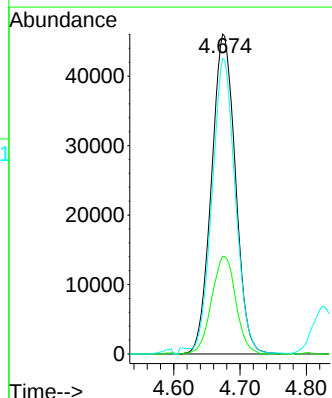
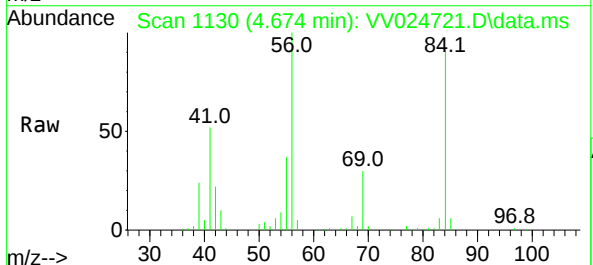
Tgt Ion: 56 Resp: 115348

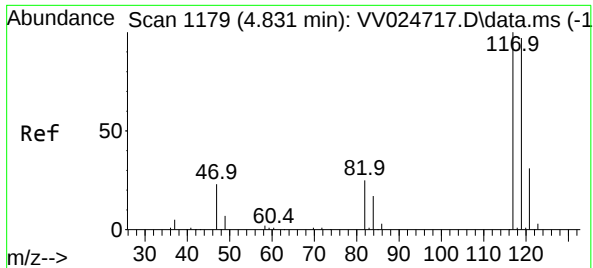
Ion Ratio Lower Upper

56 100

69 30.9 24.6 37.0

84 89.1 71.4 107.0

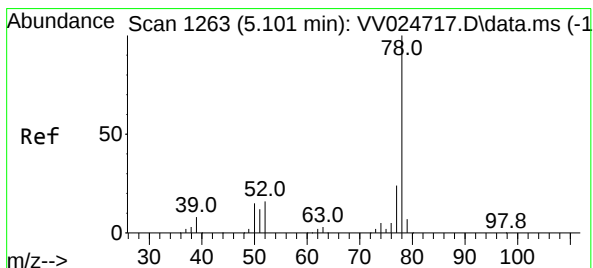
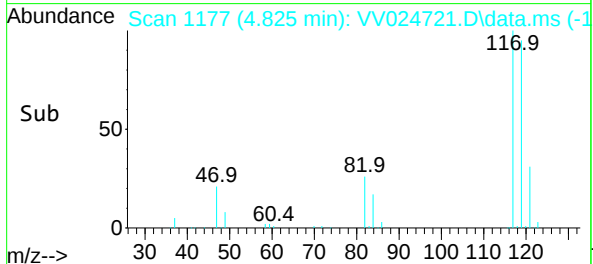
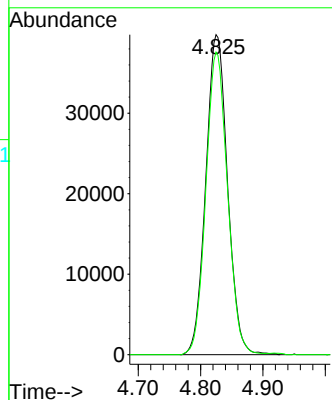
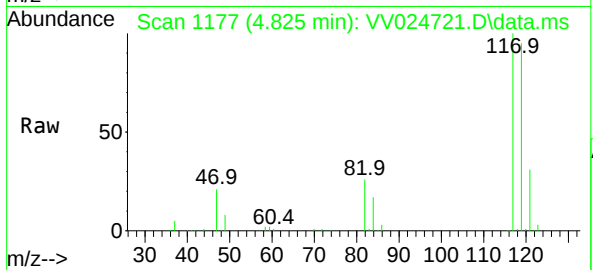




#31
Carbon tetrachloride
Concen: 5.179 ug/L
RT: 4.825 min Scan# 1177
Delta R.T. -0.007 min
Lab File: VV024721.D
Acq: 17 Feb 2022 14:30

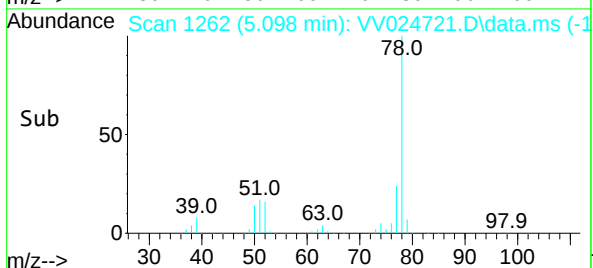
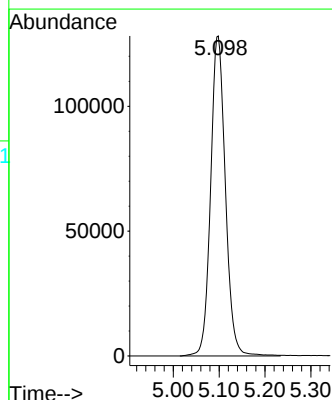
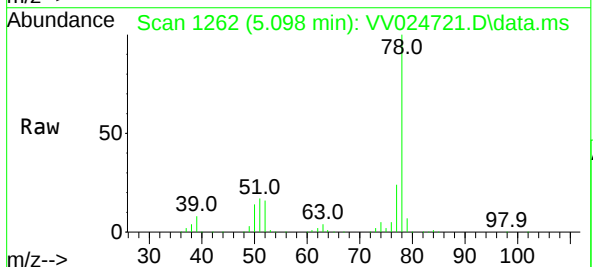
Instrument :
MSVOA_V
ClientSampleId :
VSTD005314

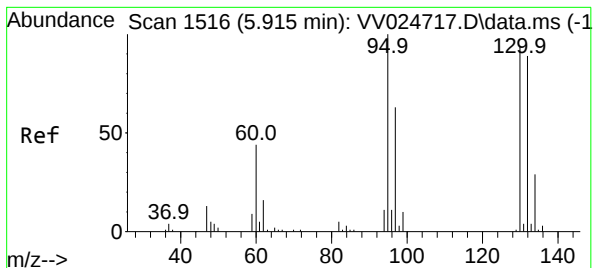
Tgt Ion:117 Resp: 96472
Ion Ratio Lower Upper
117 100
119 93.8 76.6 115.0



#33
Benzene
Concen: 5.129 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. -0.003 min
Lab File: VV024721.D
Acq: 17 Feb 2022 14:30

Tgt Ion: 78 Resp: 286710





#34

Trichloroethene

Concen: 5.125 ug/L

RT: 5.911 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV024721.D

Acq: 17 Feb 2022 14:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005314

Tgt Ion: 95 Resp: 75894

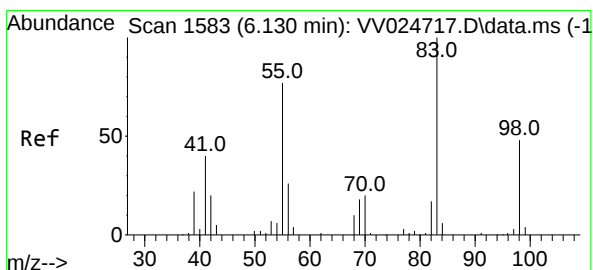
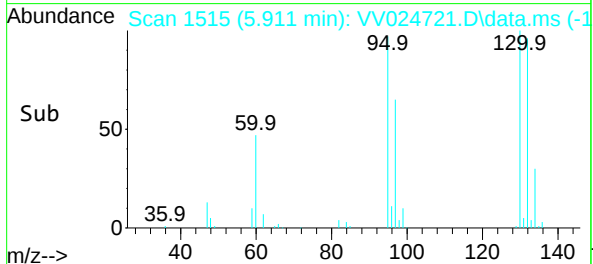
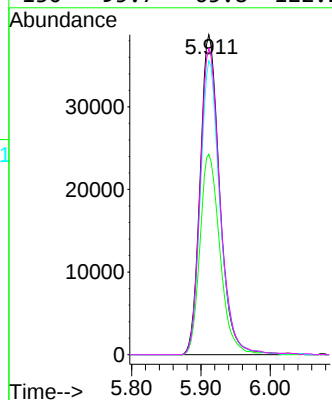
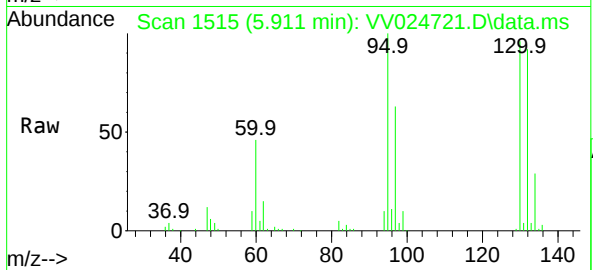
Ion Ratio Lower Upper

95 100

97 62.6 44.2 82.0

132 91.9 62.1 115.3

130 95.7 65.8 122.2



#35

Methylcyclohexane

Concen: 5.214 ug/L

RT: 6.127 min Scan# 1582

Delta R.T. -0.003 min

Lab File: VV024721.D

Acq: 17 Feb 2022 14:30

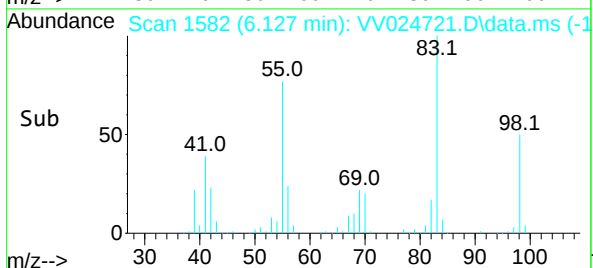
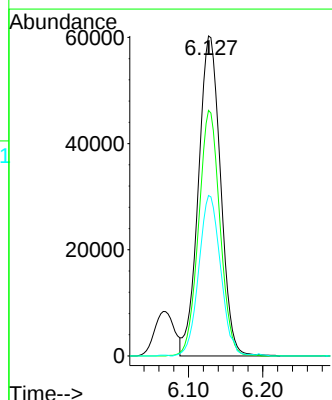
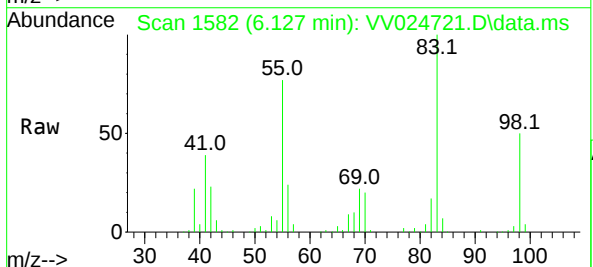
Tgt Ion: 83 Resp: 124736

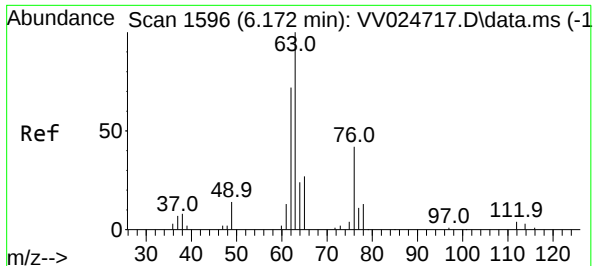
Ion Ratio Lower Upper

83 100

55 74.0 58.8 88.2

98 49.6 38.6 58.0





#37

1,2-Dichloropropane

Concen: 5.209 ug/L

RT: 6.172 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV024721.D

Acq: 17 Feb 2022 14:30

Instrument :

MSVOA_V

ClientSampleId :

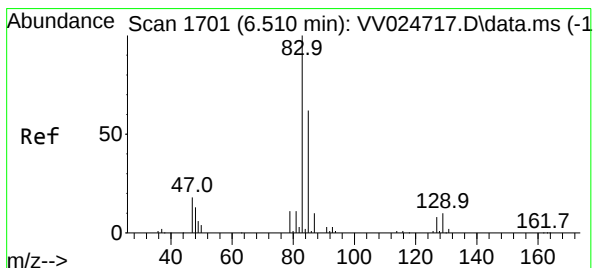
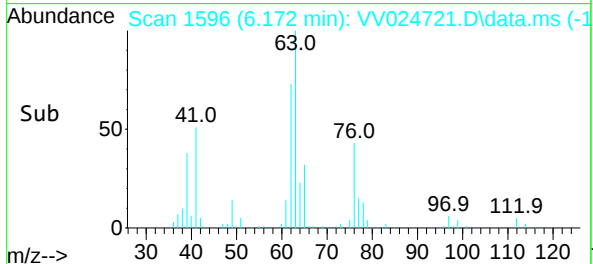
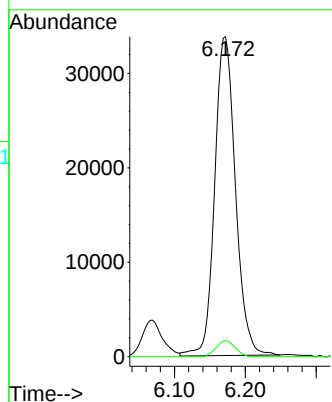
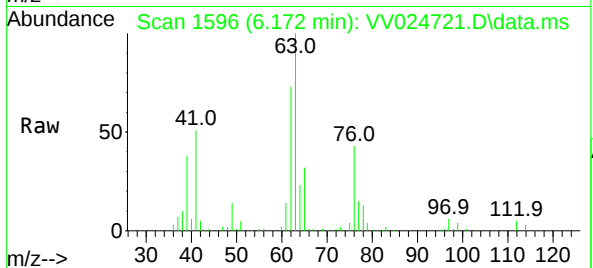
VSTD005314

Tgt Ion: 63 Resp: 68792

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.6



#38

Bromodichloromethane

Concen: 5.258 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. -0.003 min

Lab File: VV024721.D

Acq: 17 Feb 2022 14:30

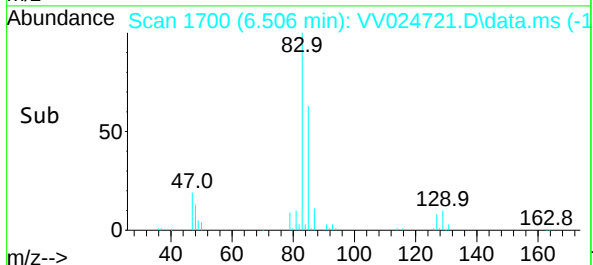
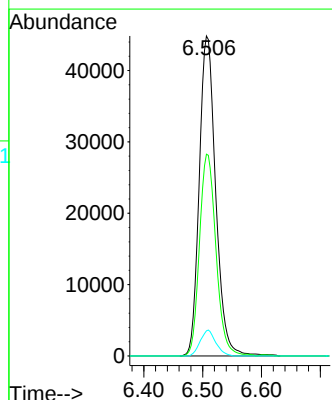
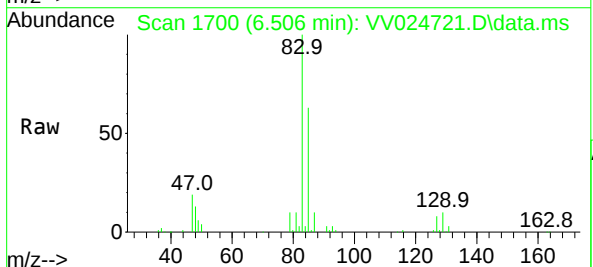
Tgt Ion: 83 Resp: 87399

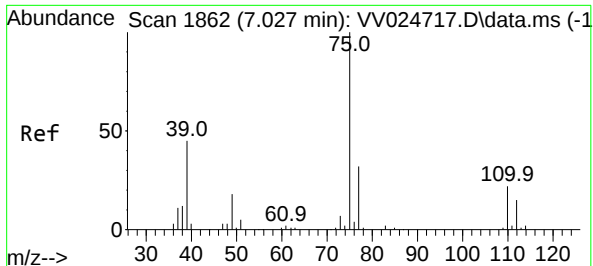
Ion Ratio Lower Upper

83 100

85 63.1 43.5 80.9

127 7.9 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 5.357 ug/L

RT: 7.024 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV024721.D

Acq: 17 Feb 2022 14:30

Instrument :

MSVOA_V

ClientSampleId :

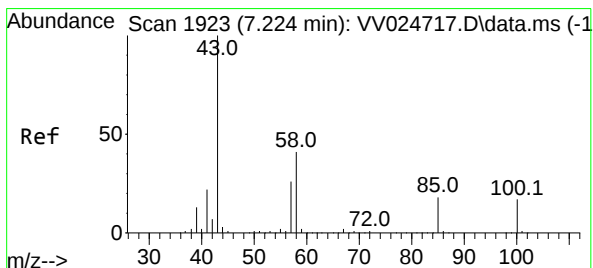
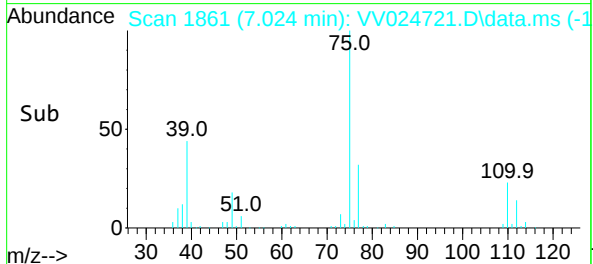
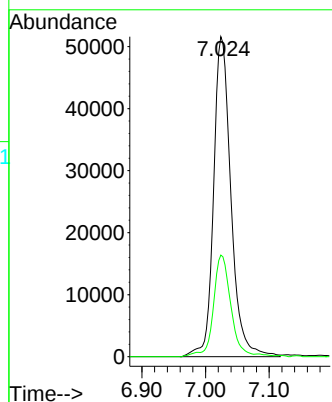
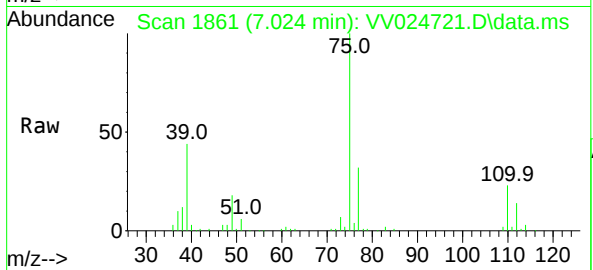
VSTD005314

Tgt Ion: 75 Resp: 98122

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 52.564 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.000 min

Lab File: VV024721.D

Acq: 17 Feb 2022 14:30

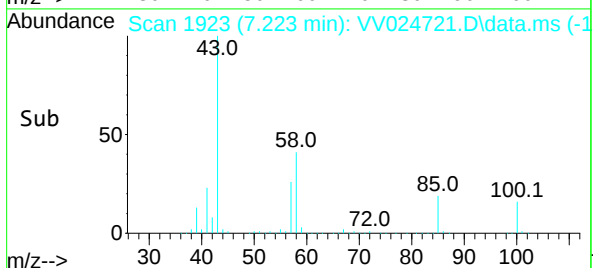
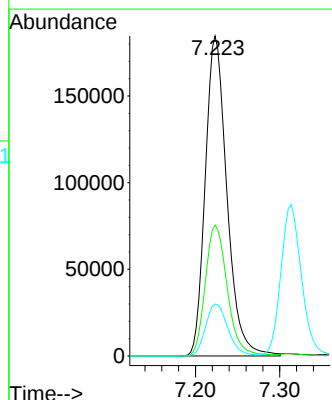
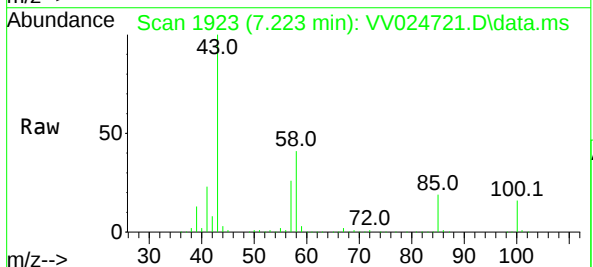
Tgt Ion: 43 Resp: 330209

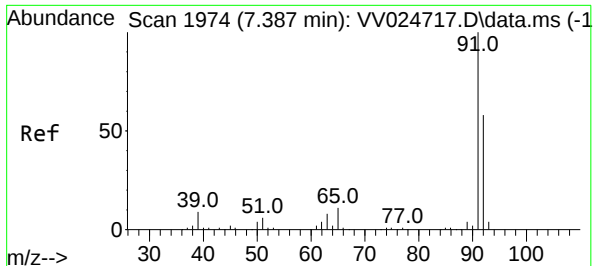
Ion Ratio Lower Upper

43 100

58 41.5 33.0 49.6

100 16.8 13.3 19.9





#42

Toluene

Concen: 5.224 ug/L

RT: 7.384 min Scan# 1974

Delta R.T. -0.003 min

Lab File: VV024721.D

Acq: 17 Feb 2022 14:30

Instrument :

MSVOA_V

ClientSampleId :

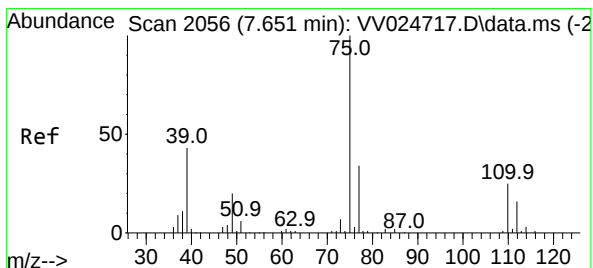
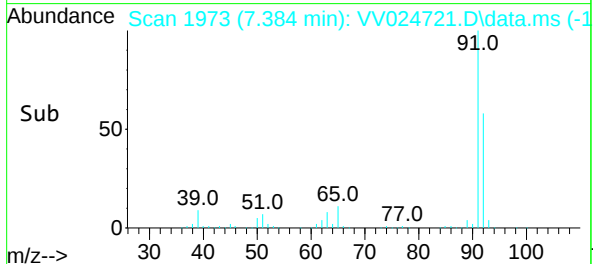
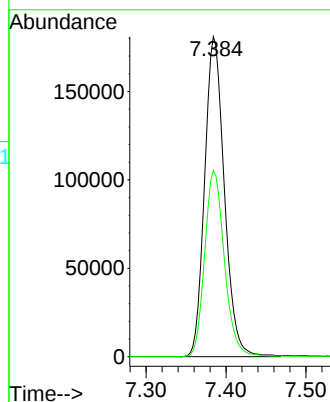
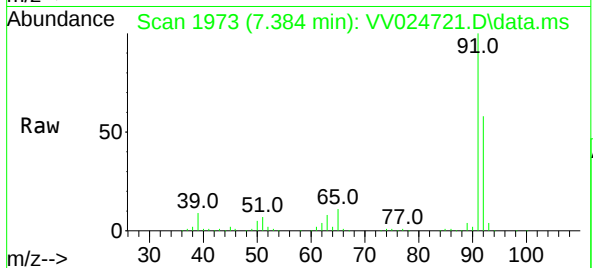
VSTD005314

Tgt Ion: 91 Resp: 310867

Ion Ratio Lower Upper

91 100

92 58.2 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 5.306 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. -0.003 min

Lab File: VV024721.D

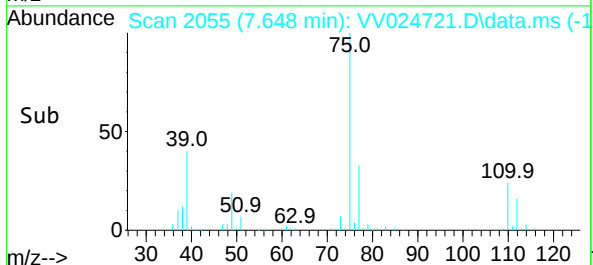
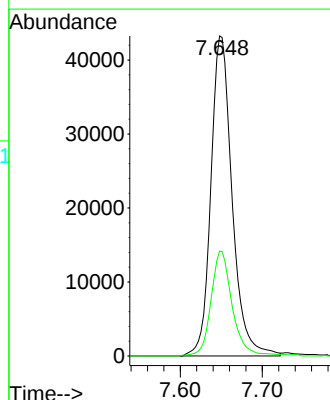
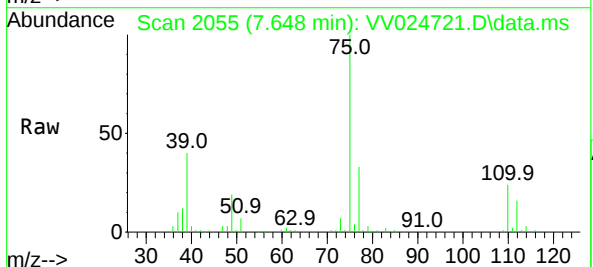
Acq: 17 Feb 2022 14:30

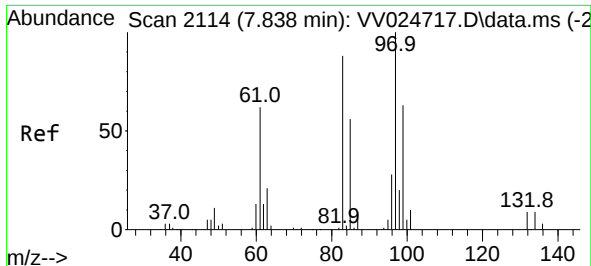
Tgt Ion: 75 Resp: 77656

Ion Ratio Lower Upper

75 100

77 32.7 23.5 43.7





#45

1,1,2-Trichloroethane

Concen: 5.226 ug/L

RT: 7.837 min Scan# 2114

Delta R.T. -0.000 min

Lab File: VV024721.D

Acq: 17 Feb 2022 14:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005314

Tgt Ion: 97 Resp: 44901

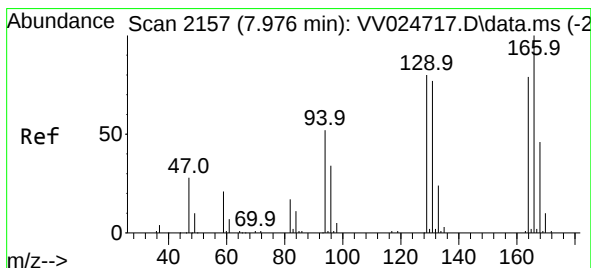
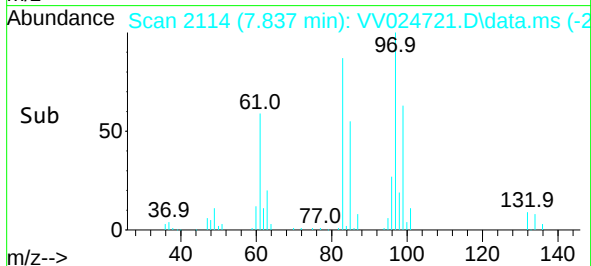
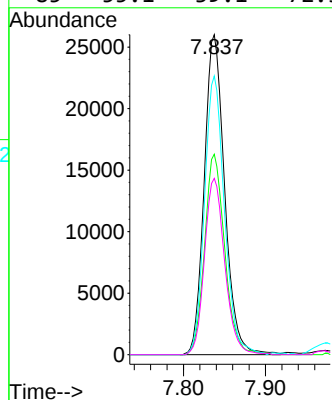
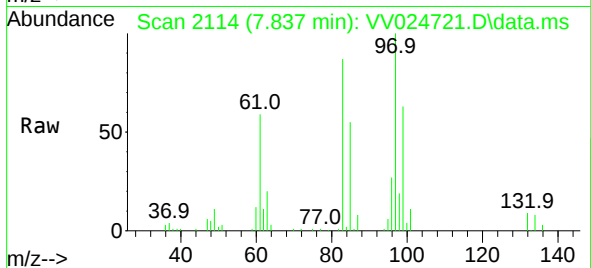
Ion Ratio Lower Upper

97 100

99 62.7 43.8 81.3

83 87.1 61.3 113.9

85 55.1 39.1 72.5



#47

Tetrachloroethene

Concen: 5.048 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.003 min

Lab File: VV024721.D

Acq: 17 Feb 2022 14:30

Tgt Ion: 164 Resp: 50897

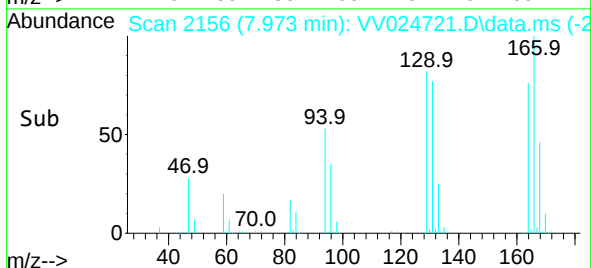
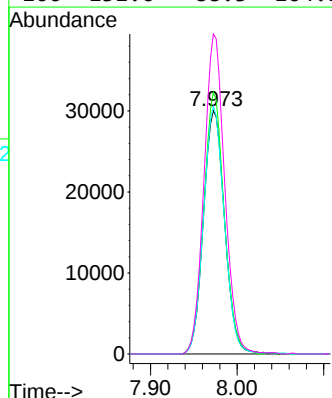
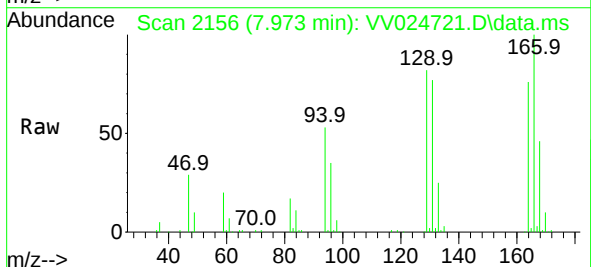
Ion Ratio Lower Upper

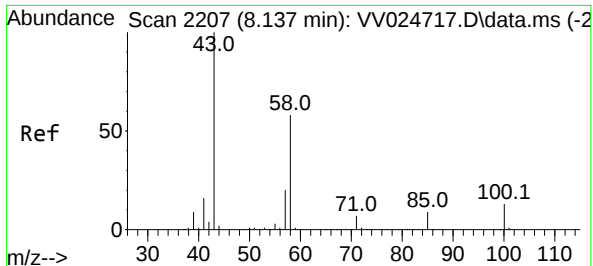
164 100

129 107.6 70.3 130.7

131 101.9 67.7 125.7

166 131.6 88.3 164.1

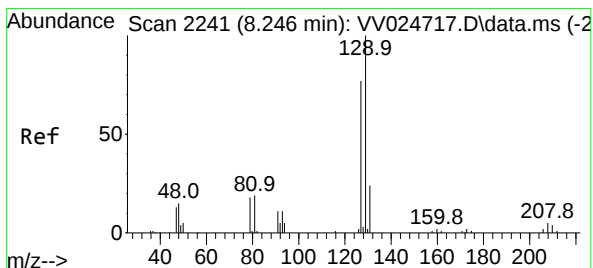
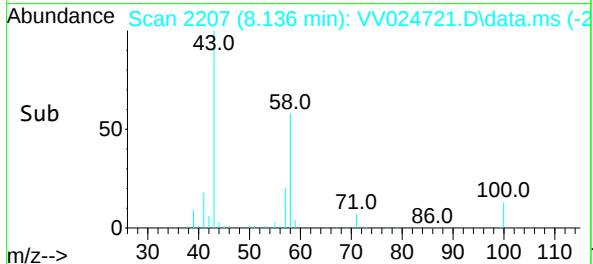
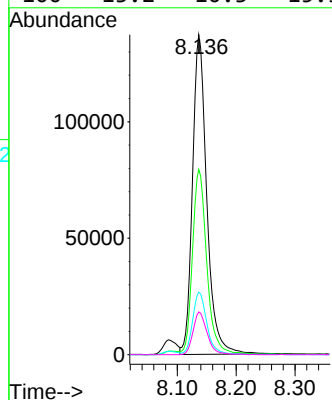
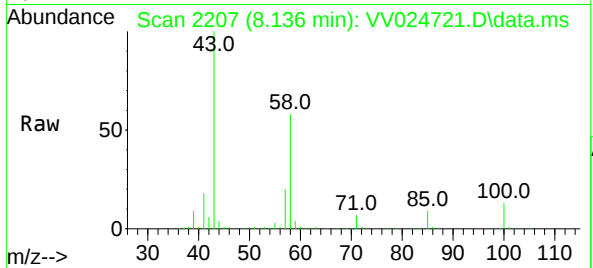




#48
2-Hexanone
Concen: 52.435 ug/L
RT: 8.136 min Scan# 21
Delta R.T. -0.001 min
Lab File: VV024721.D
Acq: 17 Feb 2022 14:30

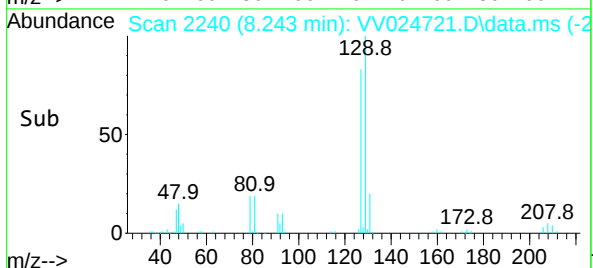
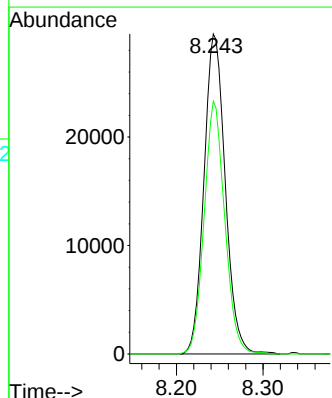
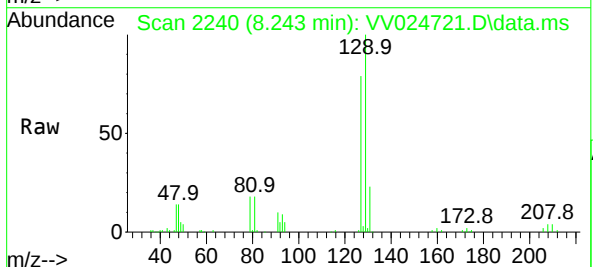
Instrument :
MSVOA_V
ClientSampleId :
VSTD005314

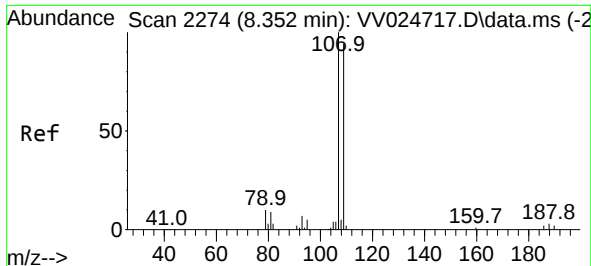
Tgt Ion: 43 Resp: 231602
Ion Ratio Lower Upper
43 100
58 57.8 46.0 69.0
57 19.5 15.7 23.5
100 13.2 10.3 15.5



#49
Dibromochloromethane
Concen: 5.275 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. -0.003 min
Lab File: VV024721.D
Acq: 17 Feb 2022 14:30

Tgt Ion: 129 Resp: 50289
Ion Ratio Lower Upper
129 100
127 79.0 53.6 99.6





#50

1,2-Dibromoethane

Concen: 5.086 ug/L

RT: 8.352 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV024721.D

Acq: 17 Feb 2022 14:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005314

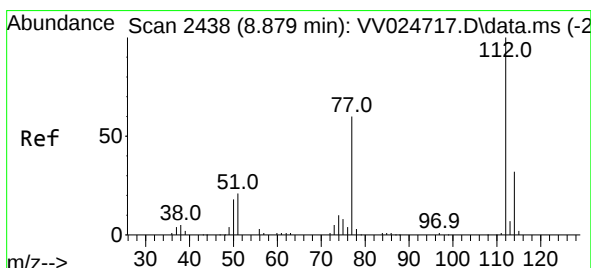
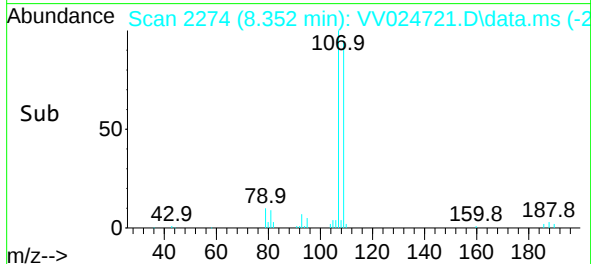
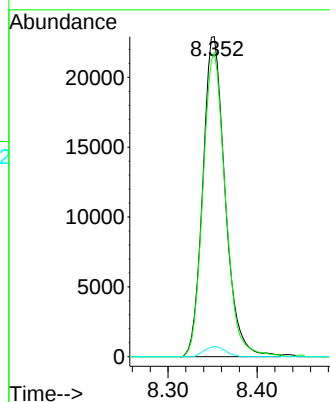
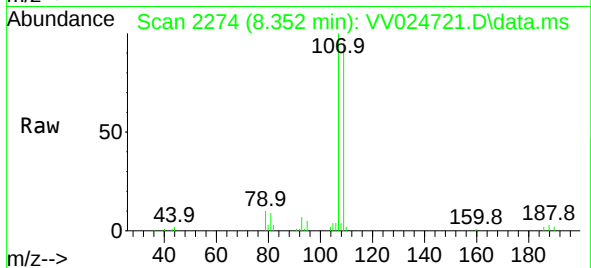
Tgt Ion:107 Resp: 39869

Ion Ratio Lower Upper

107 100

109 94.9 65.6 121.8

188 3.2 2.6 3.8



#51

Chlorobenzene

Concen: 5.173 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. -0.000 min

Lab File: VV024721.D

Acq: 17 Feb 2022 14:30

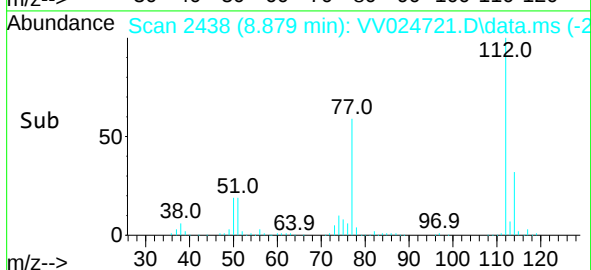
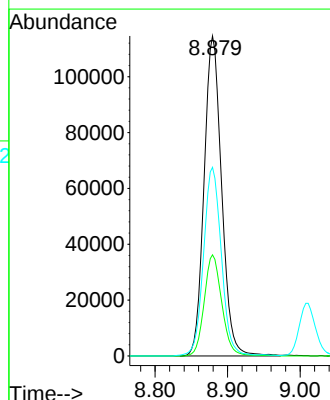
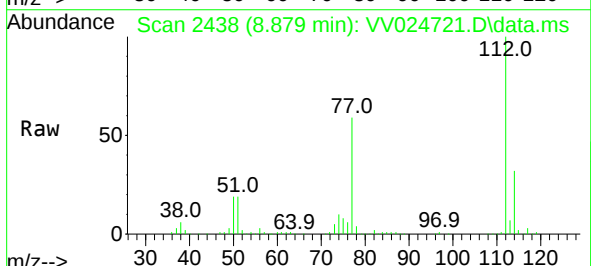
Tgt Ion:112 Resp: 192603

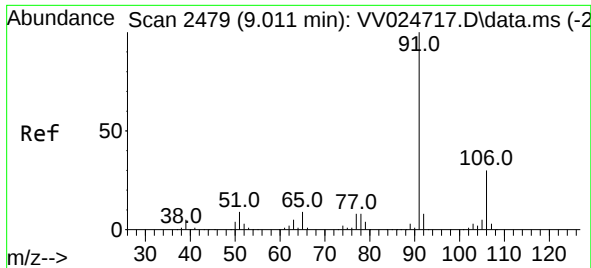
Ion Ratio Lower Upper

112 100

114 31.6 22.3 41.5

77 59.0 48.4 72.6





#52

Ethylbenzene

Concen: 5.222 ug/L

RT: 9.011 min Scan# 2479

Delta R.T. -0.000 min

Lab File: VV024721.D

Acq: 17 Feb 2022 14:30

Instrument :

MSVOA_V

ClientSampleId :

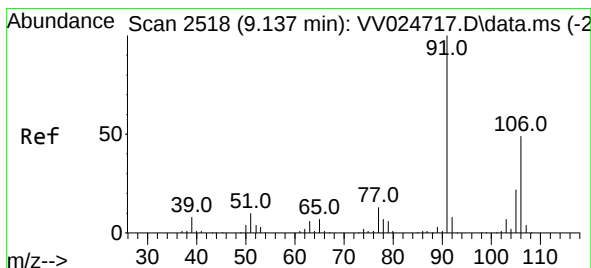
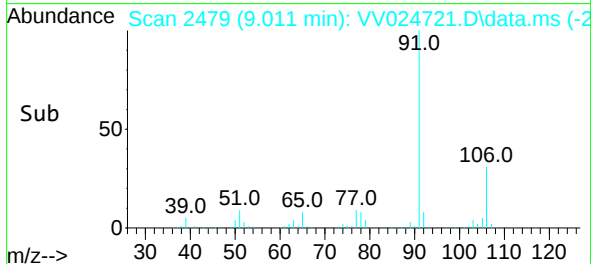
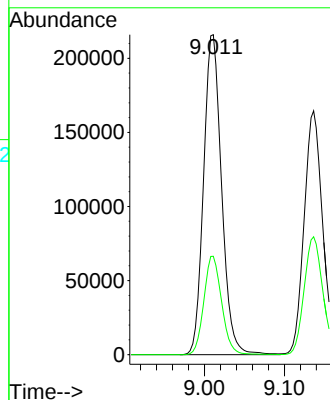
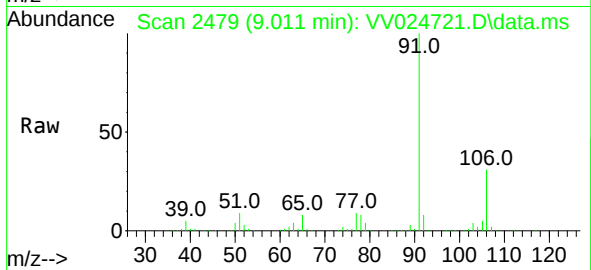
VSTD005314

Tgt Ion: 91 Resp: 339153

Ion Ratio Lower Upper

91 100

106 30.8 21.3 39.5



#53

m,p-xylene

Concen: 5.279 ug/L

RT: 9.136 min Scan# 2518

Delta R.T. -0.000 min

Lab File: VV024721.D

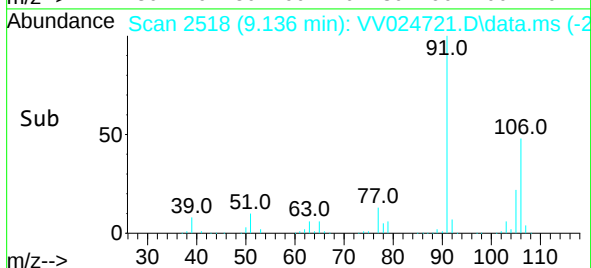
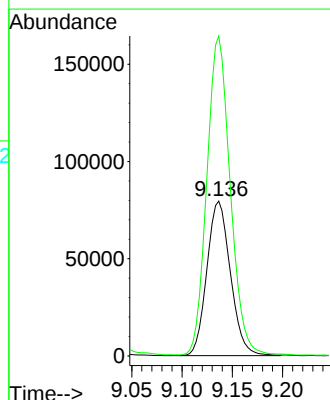
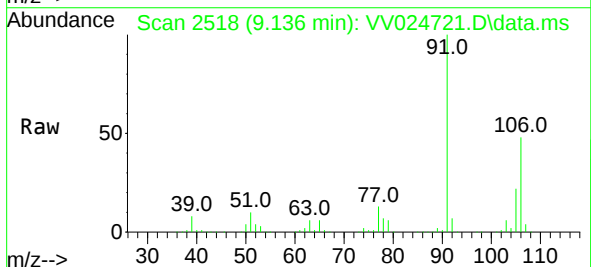
Acq: 17 Feb 2022 14:30

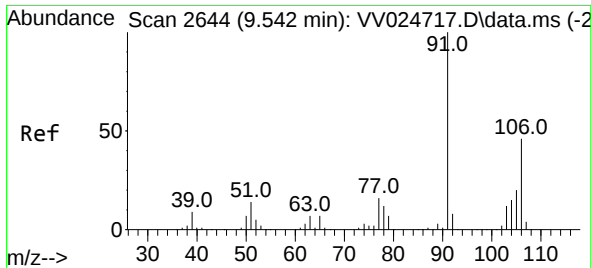
Tgt Ion: 106 Resp: 129612

Ion Ratio Lower Upper

106 100

91 206.6 143.6 266.6

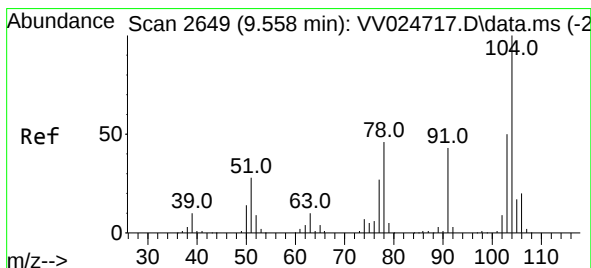
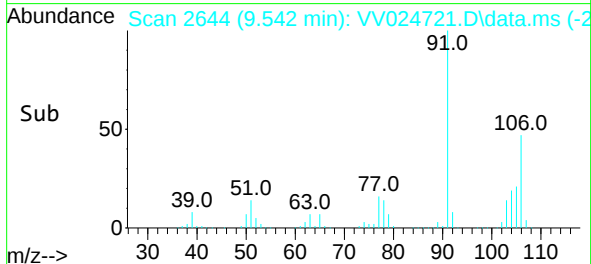
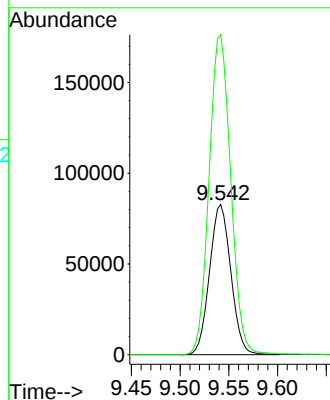
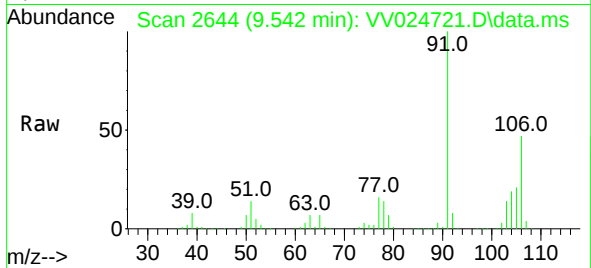




#54
o-xylene
Concen: 5.249 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. -0.000 min
Lab File: VV024721.D
Acq: 17 Feb 2022 14:30

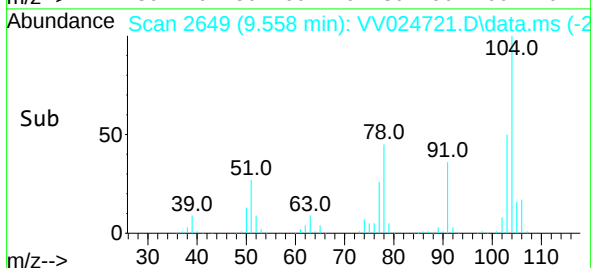
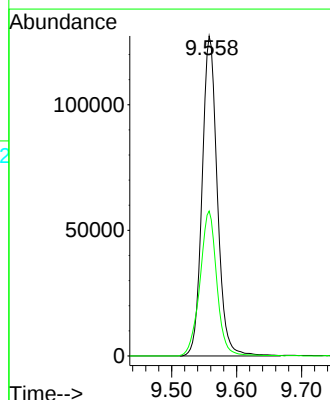
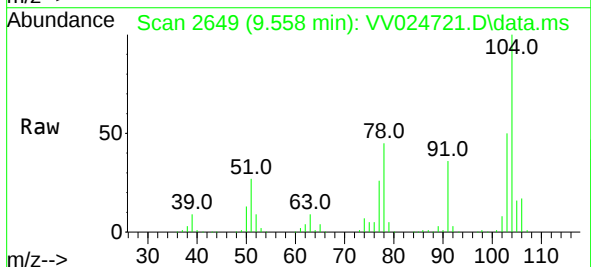
Instrument :
MSVOA_V
ClientSampleId :
VSTD005314

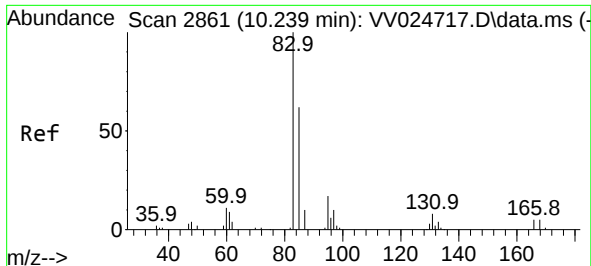
Tgt Ion:106 Resp: 125952
Ion Ratio Lower Upper
106 100
91 213.0 152.2 282.7



#55
Styrene
Concen: 5.324 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. -0.000 min
Lab File: VV024721.D
Acq: 17 Feb 2022 14:30

Tgt Ion:104 Resp: 207797
Ion Ratio Lower Upper
104 100
78 45.3 32.0 59.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.074 ug/L

RT: 10.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV024721.D

Acq: 17 Feb 2022 14:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005314

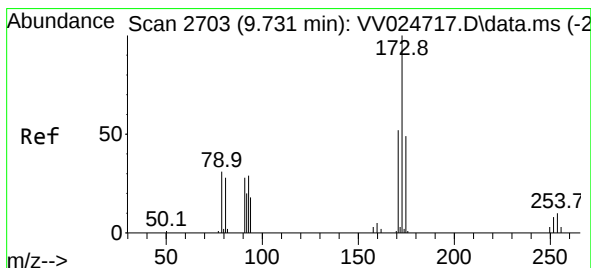
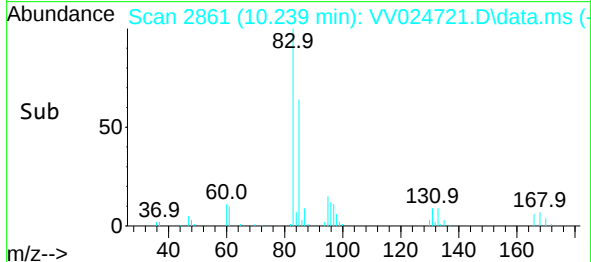
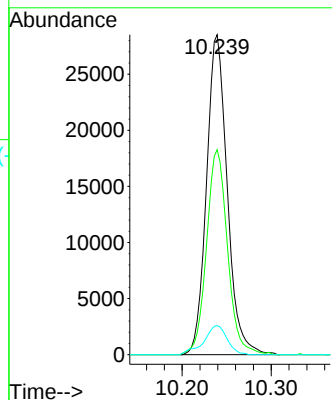
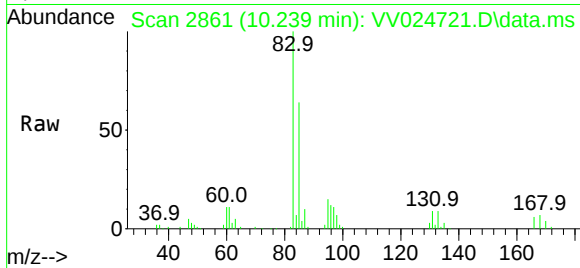
Tgt Ion: 83 Resp: 46103

Ion Ratio Lower Upper

83 100

85 64.0 43.9 81.5

131 9.1 7.0 10.4



#59

Bromoform

Concen: 5.433 ug/L

RT: 9.728 min Scan# 2702

Delta R.T. -0.003 min

Lab File: VV024721.D

Acq: 17 Feb 2022 14:30

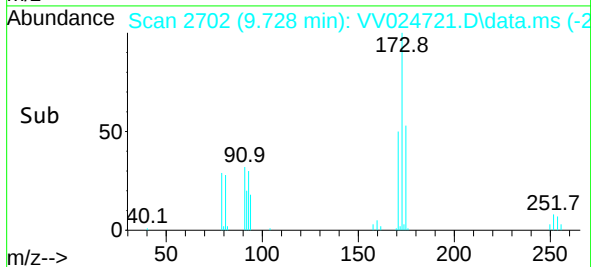
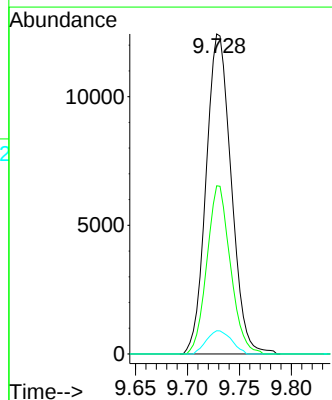
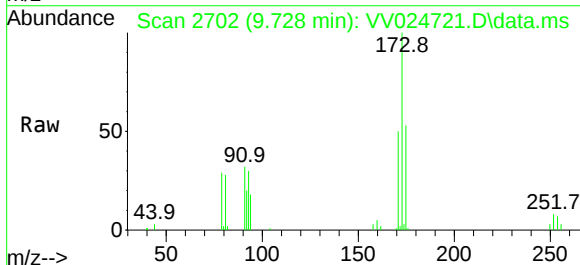
Tgt Ion: 173 Resp: 20891

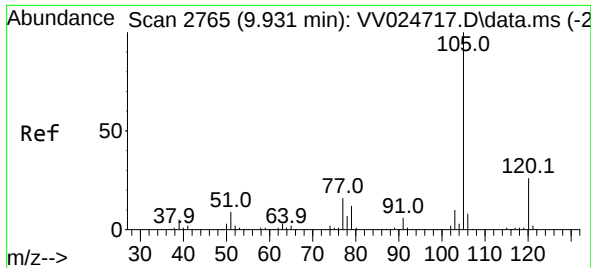
Ion Ratio Lower Upper

173 100

175 49.2 39.4 59.0

254 7.2 7.0 10.4

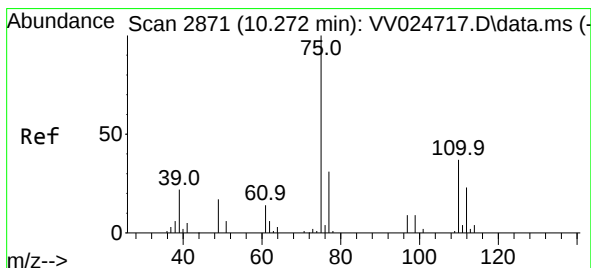
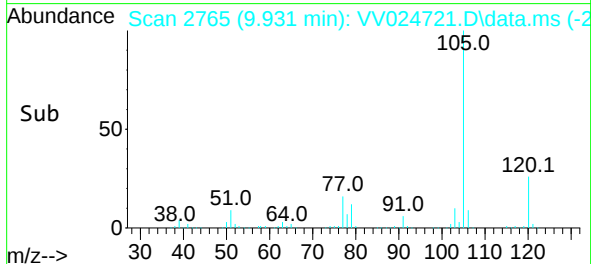
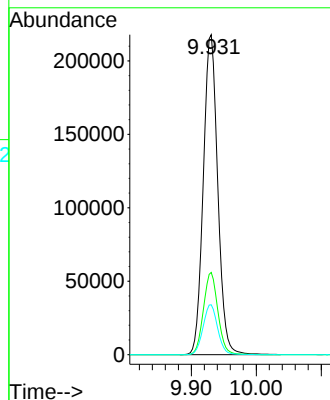
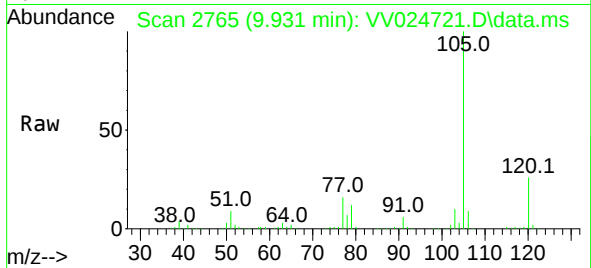




#60
Isopropylbenzene
Concen: 5.381 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. -0.000 min
Lab File: VV024721.D
Acq: 17 Feb 2022 14:30

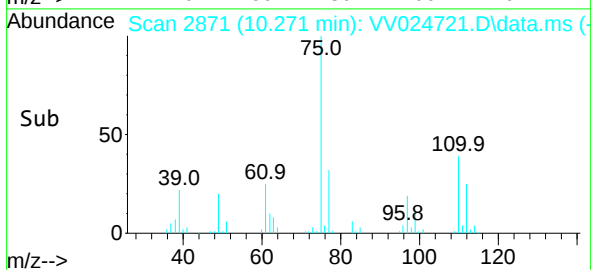
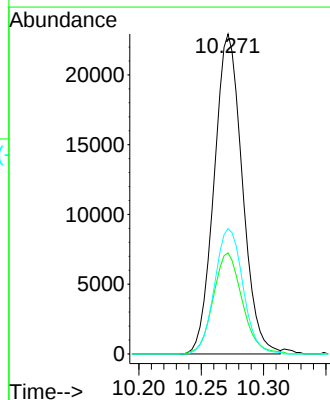
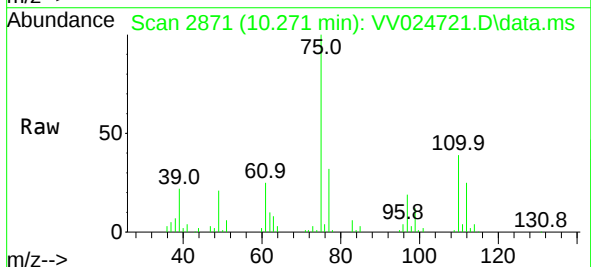
Instrument :
MSVOA_V
ClientSampleId :
VSTD005314

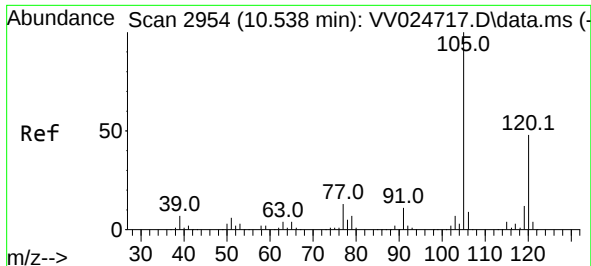
Tgt Ion:105 Resp: 338150
Ion Ratio Lower Upper
105 100
120 25.7 20.7 31.1
77 15.8 12.7 19.1



#61
1,2,3-Trichloropropane
Concen: 5.243 ug/L
RT: 10.271 min Scan# 2871
Delta R.T. -0.000 min
Lab File: VV024721.D
Acq: 17 Feb 2022 14:30

Tgt Ion: 75 Resp: 36096
Ion Ratio Lower Upper
75 100
77 32.6 26.3 39.5
110 39.4 30.3 45.5





#62

1,3,5-Trimethylbenzene

Concen: 5.478 ug/L

RT: 10.535 min Scan# 2954

Delta R.T. -0.003 min

Lab File: VV024721.D

Acq: 17 Feb 2022 14:30

Instrument :

MSVOA_V

ClientSampleId :

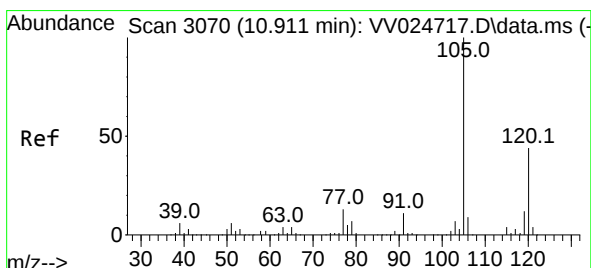
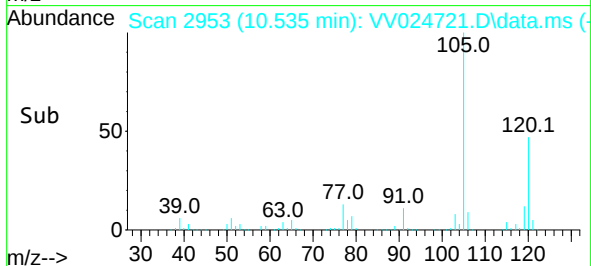
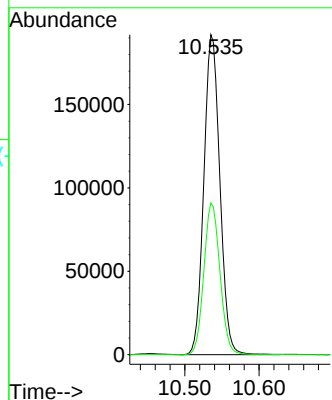
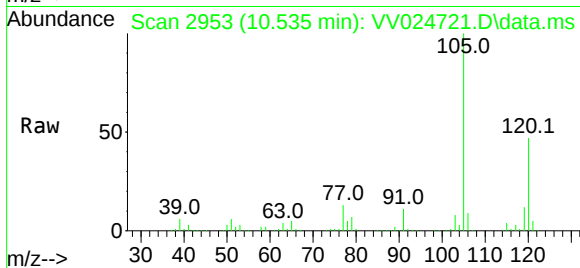
VSTD005314

Tgt Ion:105 Resp: 286949

Ion Ratio Lower Upper

105 100

120 47.7 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 5.513 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. -0.000 min

Lab File: VV024721.D

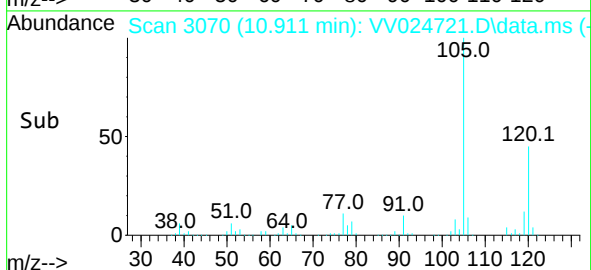
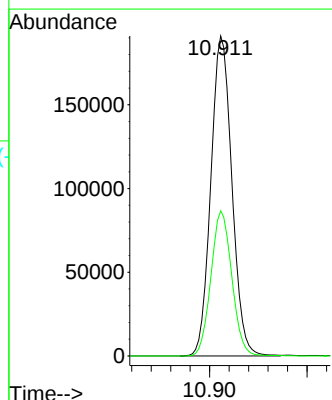
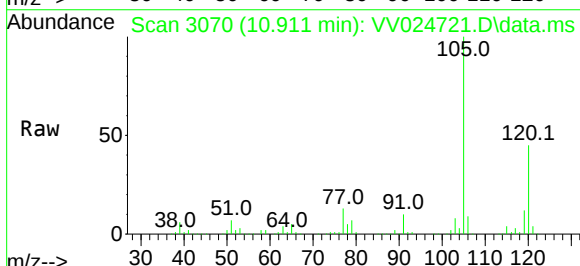
Acq: 17 Feb 2022 14:30

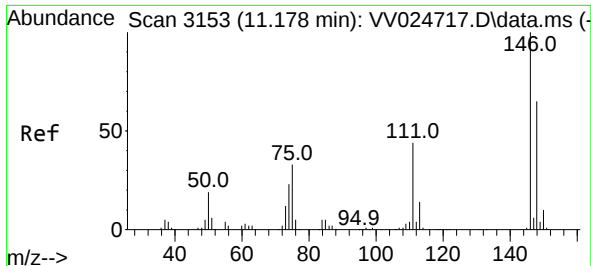
Tgt Ion:105 Resp: 286646

Ion Ratio Lower Upper

105 100

120 45.0 35.9 53.9

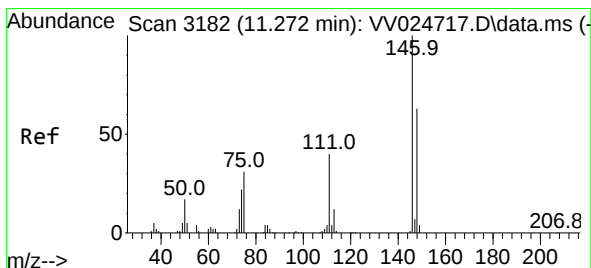
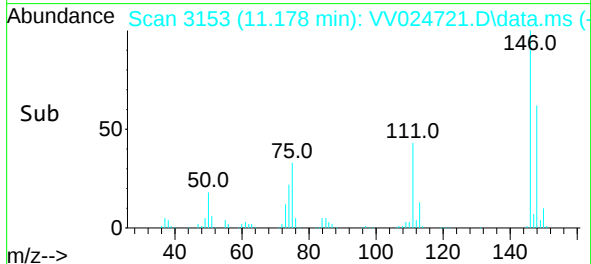
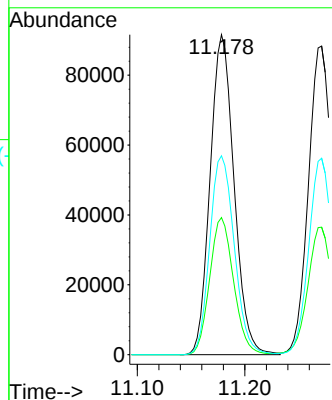
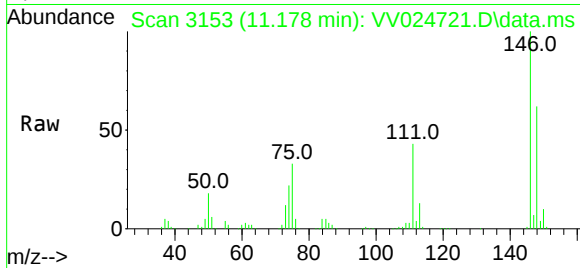




#64
1,3-Dichlorobenzene
Concen: 5.351 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. -0.000 min
Lab File: VV024721.D
Acq: 17 Feb 2022 14:30

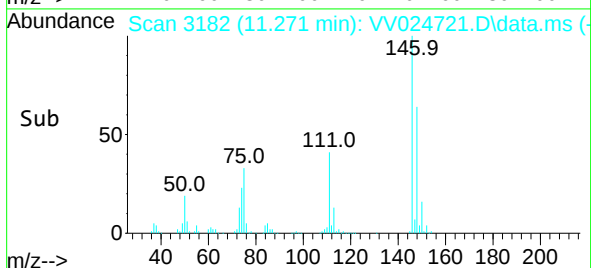
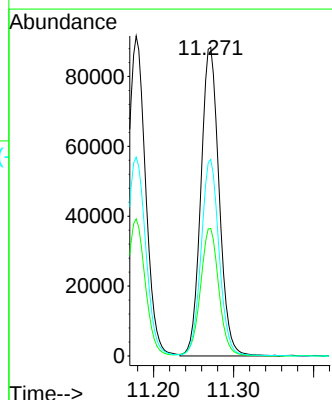
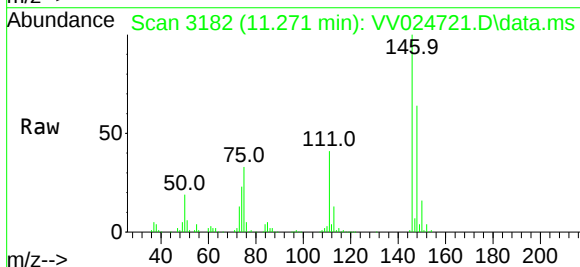
Instrument :
MSVOA_V
ClientSampleId :
VSTD005314

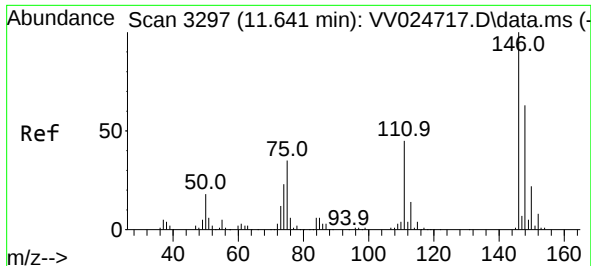
Tgt Ion:146 Resp: 141793
Ion Ratio Lower Upper
146 100
111 42.9 31.0 57.6
148 62.1 45.4 84.4



#65
1,4-Dichlorobenzene
Concen: 5.316 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. -0.000 min
Lab File: VV024721.D
Acq: 17 Feb 2022 14:30

Tgt Ion:146 Resp: 140715
Ion Ratio Lower Upper
146 100
111 41.3 28.3 52.7
148 63.7 44.0 81.8

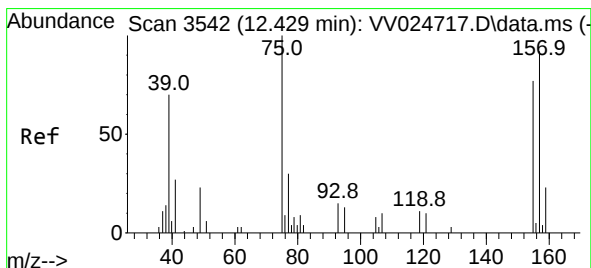
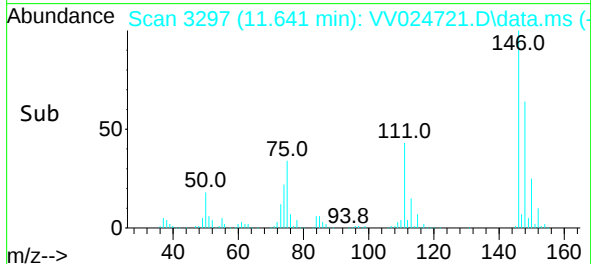
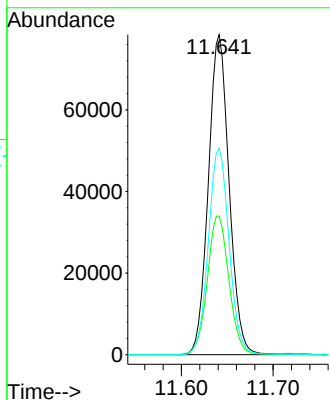
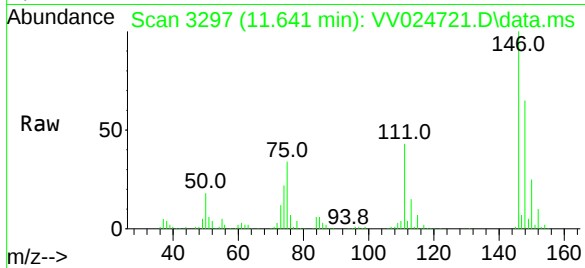




#67
 1,2-Dichlorobenzene
 Concen: 5.267 ug/L
 RT: 11.641 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV024721.D
 Acq: 17 Feb 2022 14:30

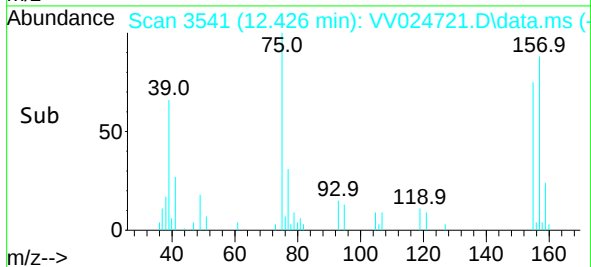
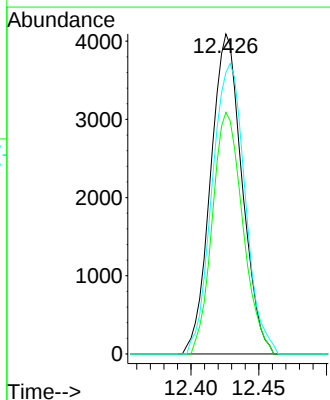
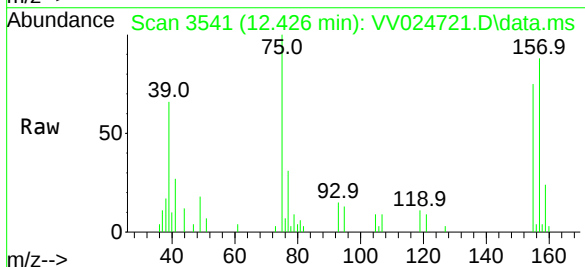
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005314

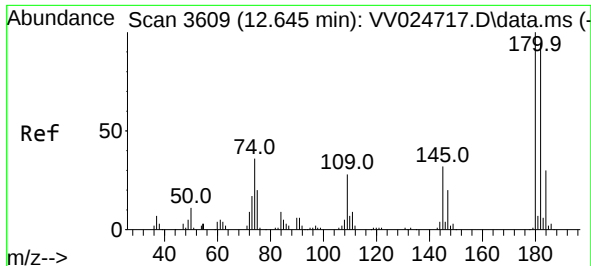
Tgt Ion:146 Resp: 123113
 Ion Ratio Lower Upper
 146 100
 111 43.4 36.0 54.0
 148 64.5 50.4 75.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.611 ug/L
 RT: 12.426 min Scan# 3541
 Delta R.T. -0.003 min
 Lab File: VV024721.D
 Acq: 17 Feb 2022 14:30

Tgt Ion: 75 Resp: 6605
 Ion Ratio Lower Upper
 75 100
 155 75.5 61.7 92.5
 157 87.9 73.5 110.3





#69

1,3,5-Trichlorobenzene

Concen: 5.302 ug/L

RT: 12.644 min Scan# 3609

Delta R.T. -0.000 min

Lab File: VV024721.D

Acq: 17 Feb 2022 14:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005314

Tgt Ion:180 Resp: 99636

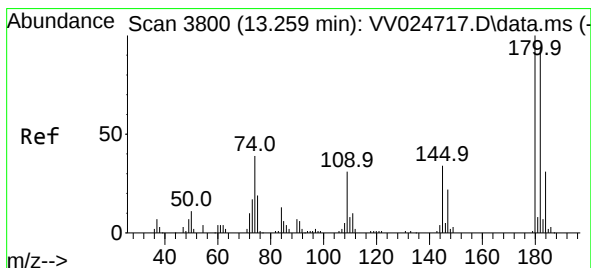
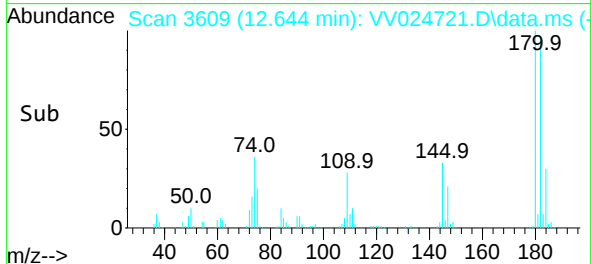
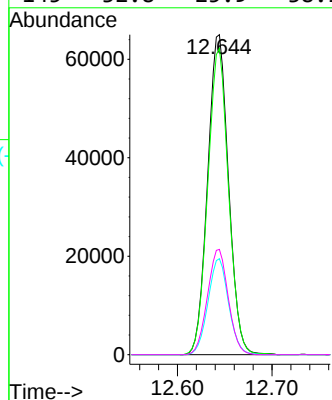
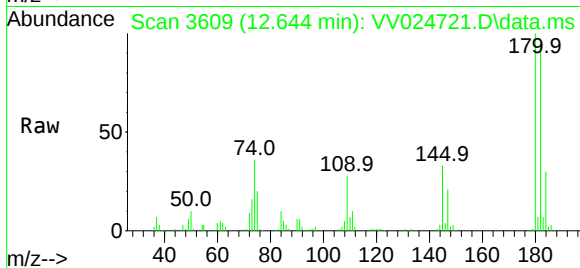
Ion Ratio Lower Upper

180 100

182 95.3 74.6 111.8

184 29.7 23.8 35.8

145 32.8 25.9 38.9



#70

1,2,4-trichlorobenzene

Concen: 5.406 ug/L

RT: 13.258 min Scan# 3800

Delta R.T. -0.000 min

Lab File: VV024721.D

Acq: 17 Feb 2022 14:30

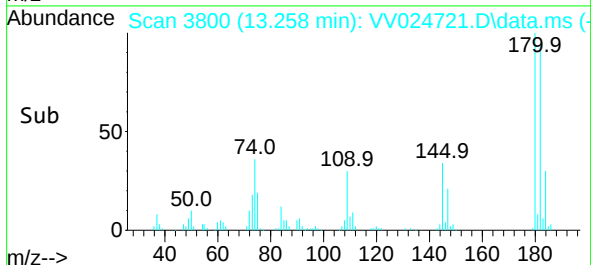
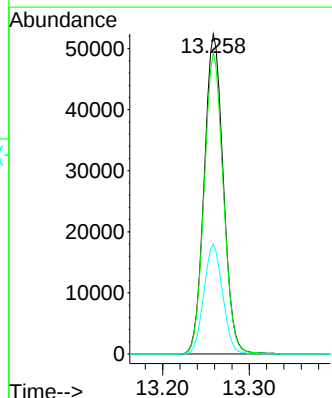
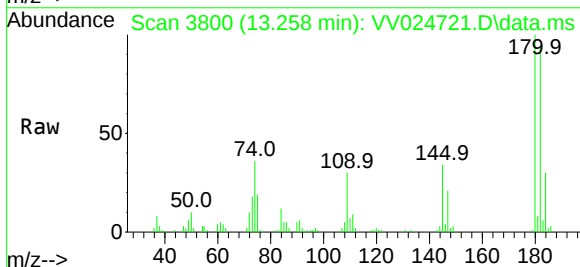
Tgt Ion:180 Resp: 80034

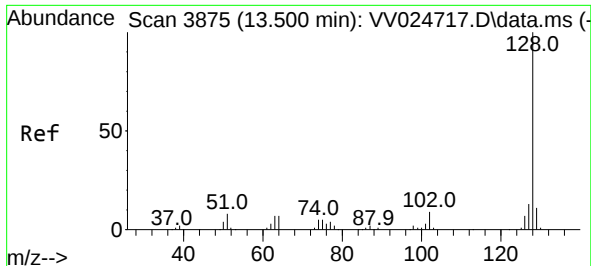
Ion Ratio Lower Upper

180 100

182 94.4 75.0 112.6

145 33.8 26.9 40.3

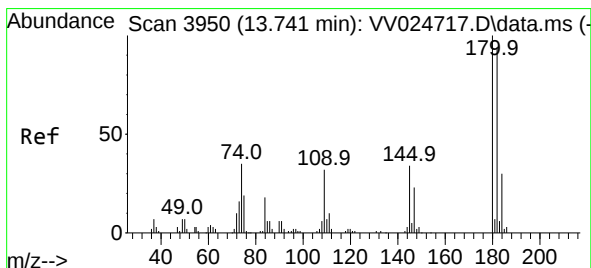
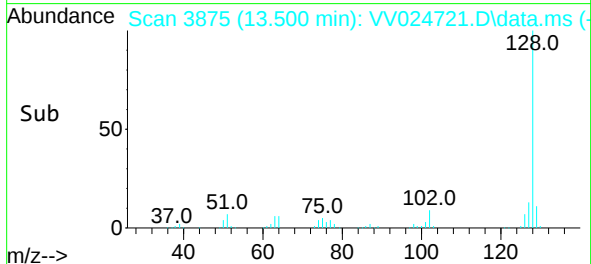
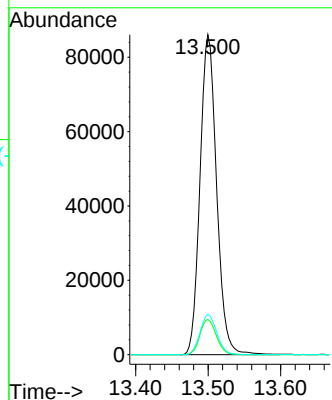
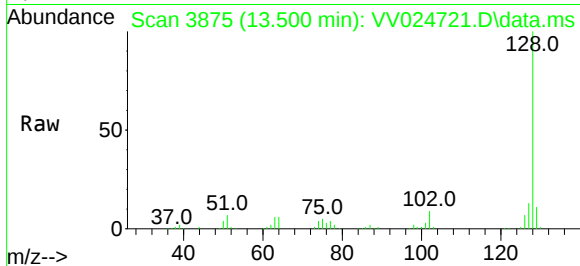




#71
Naphthalene
Concen: 5.433 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. -0.000 min
Lab File: VV024721.D
Acq: 17 Feb 2022 14:30

Instrument :
MSVOA_V
ClientSampleId :
VSTD005314

Tgt Ion:128 Resp: 136783
Ion Ratio Lower Upper
128 100
129 10.9 8.4 12.6
127 12.7 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 5.324 ug/L
RT: 13.741 min Scan# 3950
Delta R.T. -0.000 min
Lab File: VV024721.D
Acq: 17 Feb 2022 14:30

Tgt Ion:180 Resp: 65973
Ion Ratio Lower Upper
180 100
182 93.6 75.6 113.4
145 35.6 28.5 42.7

