

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031422\
 Data File : VW024987.D
 Acq On : 14 Mar 2022 15:14
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050290

Quant Time: Mar 15 02:21:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022822WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 15 02:18:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	309181	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	300787	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	155730	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	130072	41.374	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.740%
7) Chloroethane-d5	1.568	69	101443	41.128	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.260%
11) 1,1-Dichloroethene-d2	2.108	63	218659	41.439	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.880%
21) 2-Butanone-d5	3.889	46	166270	92.933	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.930%
24) Chloroform-d	4.343	84	241184	43.948	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.900%
26) 1,2-Dichloroethane-d4	5.027	65	139571	43.104	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.200%
32) Benzene-d6	5.044	84	481332	43.173	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.340%
36) 1,2-Dichloropropane-d6	6.063	67	150072	43.205	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.400%
41) Toluene-d8	7.310	98	430615	43.598	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.200%
43) trans-1,3-Dichloroprop...	7.616	79	68606	45.455	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.920%
47) 2-Hexanone-d5	8.085	63	118929	90.203	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.200%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	187898	45.607	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.220%
66) 1,2-Dichlorobenzene-d4	11.622	152	153691	42.843	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.131	85	127969	43.838	ug/L	100
3) Chloromethane	1.243	50	126705	41.955	ug/L	99
5) Vinyl chloride	1.311	62	137078	44.239	ug/L	99
6) Bromomethane	1.523	94	85724	46.312	ug/L	100
8) Chloroethane	1.584	64	83123	45.774	ug/L	99
9) Trichlorofluoromethane	1.754	101	181593	45.827	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	104802	44.598	ug/L	98
12) 1,1-Dichloroethene	2.118	96	102493	44.785	ug/L	89
13) Acetone	2.185	43	102425	74.971	ug/L	96
14) Carbon disulfide	2.294	76	305102	43.640	ug/L	99
15) Methyl Acetate	2.433	43	117109	49.899	ug/L	98
16) Methylene chloride	2.503	84	131937	49.226	ug/L	96
17) trans-1,2-Dichloroethene	2.757	96	117850	47.615	ug/L	98
18) Methyl tert-butyl Ether	2.767	73	376456	49.884	ug/L	99
19) 1,1-Dichloroethane	3.185	63	218451	48.951	ug/L	98
20) cis-1,2-Dichloroethene	3.905	96	132251	49.363	ug/L	95
22) 2-Butanone	3.973	43	160545	102.483	ug/L	100
23) Bromochloromethane	4.243	128	66366	49.531	ug/L	97
25) Chloroform	4.372	83	229461	49.498	ug/L	100

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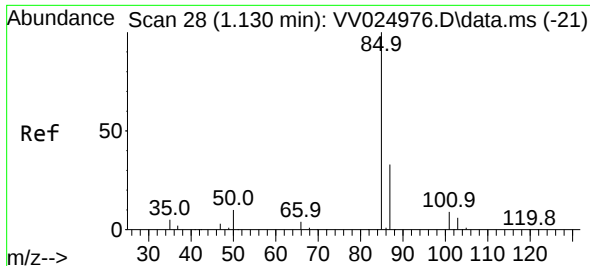
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	159767	49.388	ug/L	99
29) Cyclohexane	4.674	56	175240	44.539	ug/L	98
30) 1,1,1-Trichloroethane	4.603	97	191894	48.449	ug/L	98
31) Carbon tetrachloride	4.825	117	161155	47.855	ug/L	98
33) Benzene	5.095	78	499138	49.171	ug/L	100
34) Trichloroethene	5.908	95	135116	48.554	ug/L	98
35) Methylcyclohexane	6.127	83	194916	46.166	ug/L	98
37) 1,2-Dichloropropane	6.169	63	127528	50.065	ug/L	99
38) Bromodichloromethane	6.503	83	167878	50.293	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	197643	51.552	ug/L	98
40) 4-Methyl-2-pentanone	7.224	43	308145	101.464	ug/L	98
42) Toluene	7.384	91	524347	49.501	ug/L	99
44) trans-1,3-Dichloropropene	7.645	75	183275	52.035	ug/L	99
45) 1,1,2-Trichloroethane	7.834	97	125113	50.551	ug/L	98
46) Tetrachloroethene	7.973	164	86104	47.910	ug/L	96
48) 2-Hexanone	8.137	43	235765	98.640	ug/L	97
49) Dibromochloromethane	8.243	129	127448	53.286	ug/L	100
50) 1,2-Dibromoethane	8.349	107	130842	51.262	ug/L	100
51) Chlorobenzene	8.876	112	329986	49.383	ug/L	99
52) Ethylbenzene	9.008	91	550655	49.289	ug/L	100
53) m,p-Xylene	9.133	106	212883	49.590	ug/L	100
54) o-Xylene	9.539	106	210240	50.684	ug/L	98
55) Styrene	9.558	104	366554	52.082	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.236	83	178549	51.576	ug/L	97
59) Bromoform	9.728	173	77166	54.395	ug/L	99
60) Isopropylbenzene	9.928	105	544391	48.135	ug/L	100
61) 1,2,3-Trichloropropane	10.268	75	152375	48.900	ug/L	99
62) 1,3,5-Trimethylbenzene	10.535	105	374691	49.103	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	462426	49.443	ug/L	99
64) 1,3-Dichlorobenzene	11.178	146	239465	48.252	ug/L	98
65) 1,4-Dichlorobenzene	11.268	146	241007	47.435	ug/L	98
67) 1,2-Dichlorobenzene	11.638	146	242437	48.539	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	35387	49.746	ug/L	88
69) 1,3,5-Trichlorobenzene	12.641	180	158438	47.295	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	139877	47.923	ug/L	99
71) Naphthalene	13.500	128	473787	50.100	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	144110	50.070	ug/L	99

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

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Response via : Initial Calibration

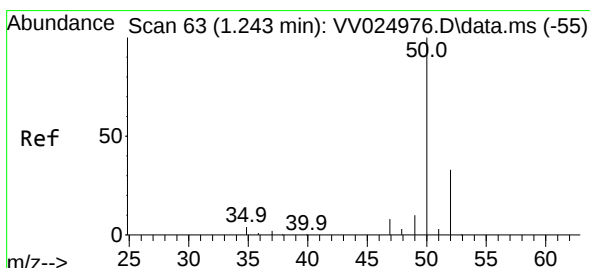
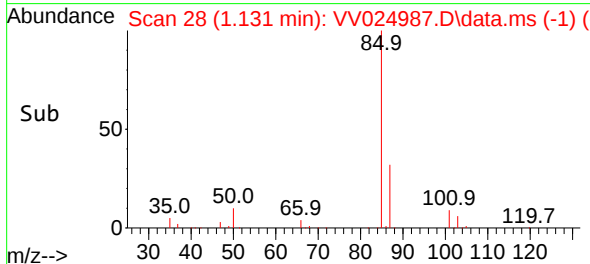
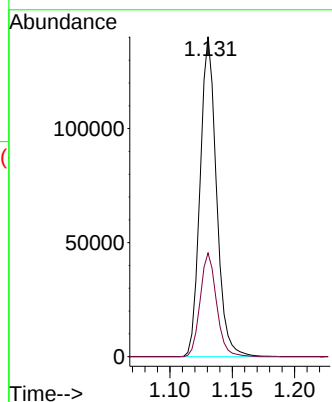
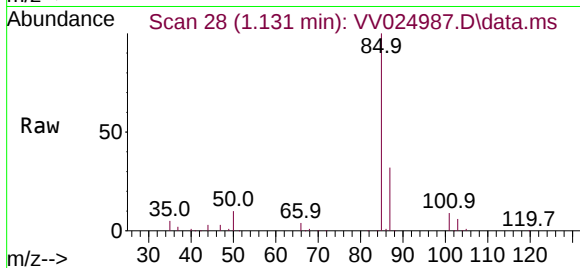




#2
 Dichlorodifluoromethane
 Concen: 43.838 ug/L
 RT: 1.131 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VV024987.D
 Acq: 14 Mar 2022 15:14

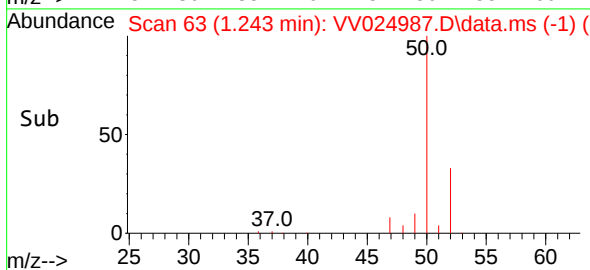
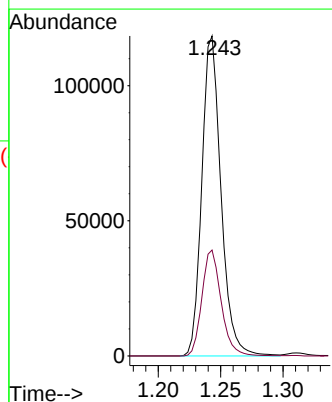
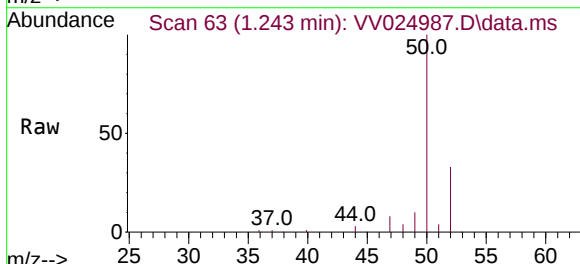
Instrument :
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 ClientSampleId :
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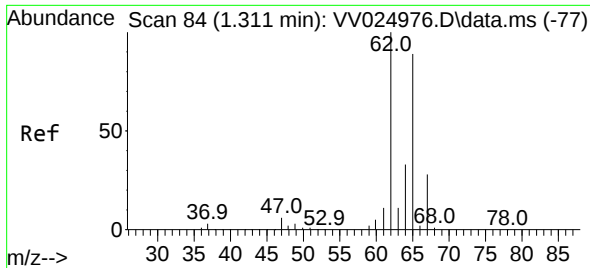
Tgt Ion: 85 Resp: 127969
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.8 38.8



#3
 Chloromethane
 Concen: 41.955 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.000 min
 Lab File: VV024987.D
 Acq: 14 Mar 2022 15:14

Tgt Ion: 50 Resp: 126705
 Ion Ratio Lower Upper
 50 100
 52 33.1 22.8 42.4

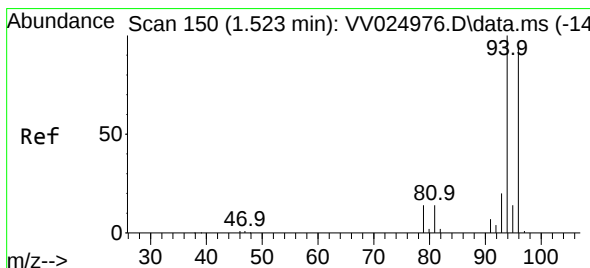
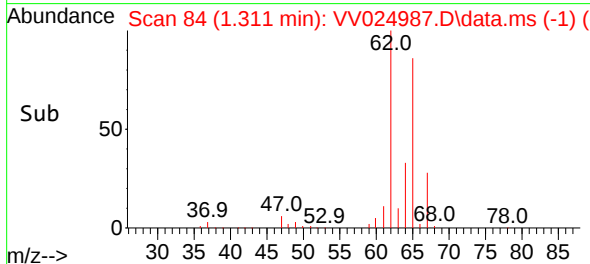
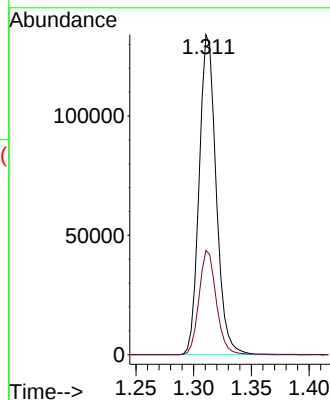
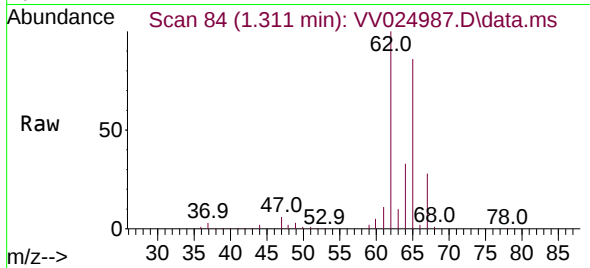




#5
 Vinyl chloride
 Concen: 44.239 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV024987.D
 Acq: 14 Mar 2022 15:14

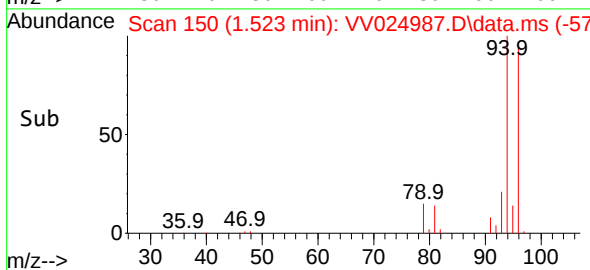
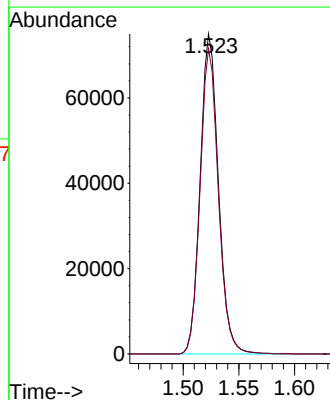
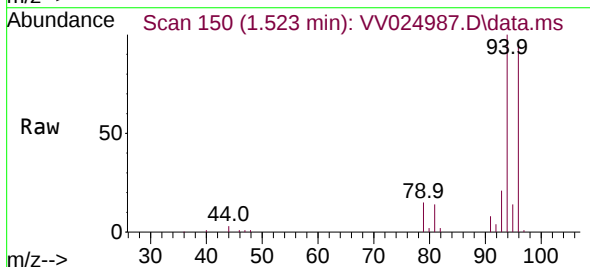
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 ClientSampleId :
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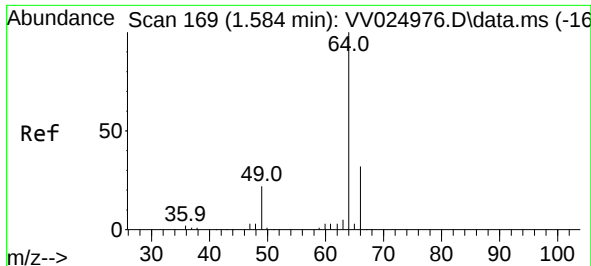
Tgt Ion: 62 Resp: 137078
 Ion Ratio Lower Upper
 62 100
 64 32.5 23.2 43.0



#6
 Bromomethane
 Concen: 46.312 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.000 min
 Lab File: VV024987.D
 Acq: 14 Mar 2022 15:14

Tgt Ion: 94 Resp: 85724
 Ion Ratio Lower Upper
 94 100
 96 95.4 66.7 123.9

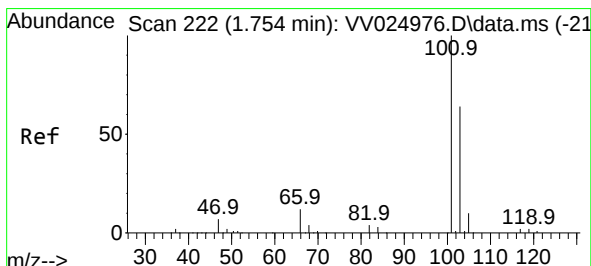
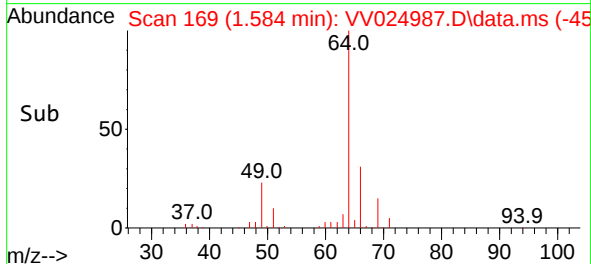
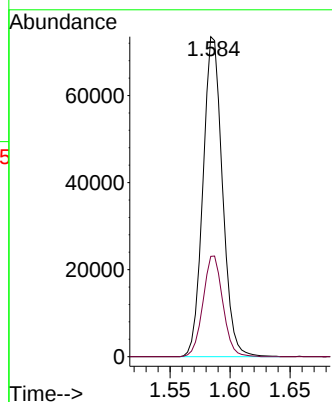
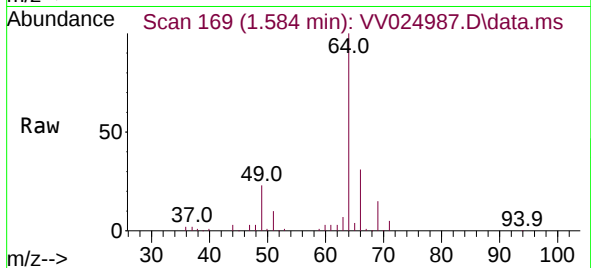




#8
Chloroethane
Concen: 45.774 ug/L
RT: 1.584 min Scan# 169
Delta R.T. 0.000 min
Lab File: VV024987.D
Acq: 14 Mar 2022 15:14

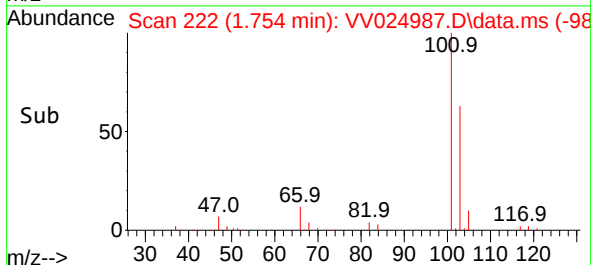
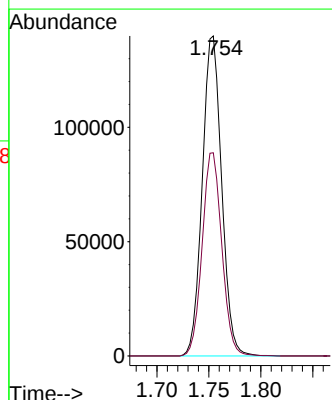
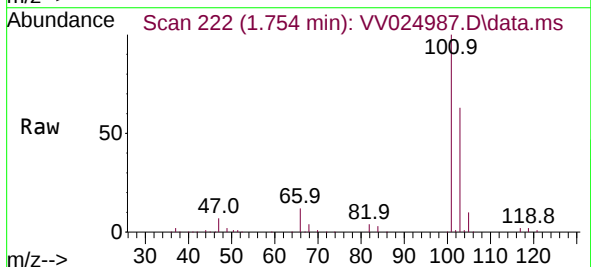
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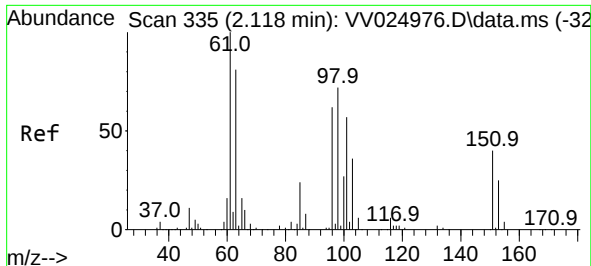
Tgt Ion: 64 Resp: 83123
Ion Ratio Lower Upper
64 100
66 31.4 22.2 41.2



#9
Trichlorofluoromethane
Concen: 45.827 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.000 min
Lab File: VV024987.D
Acq: 14 Mar 2022 15:14

Tgt Ion: 101 Resp: 181593
Ion Ratio Lower Upper
101 100
103 64.4 52.1 78.1

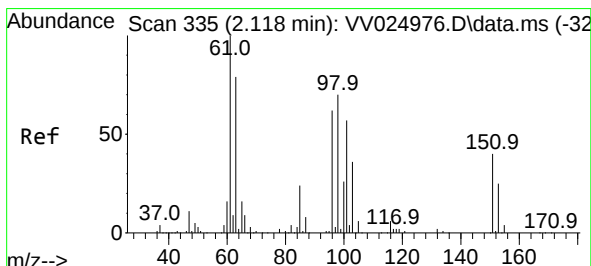
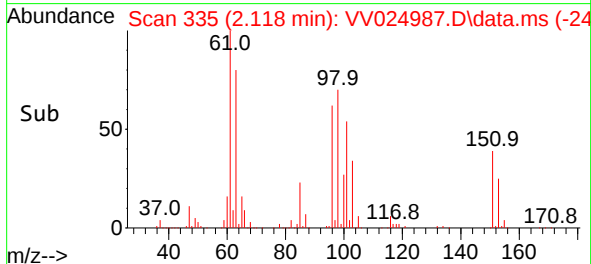
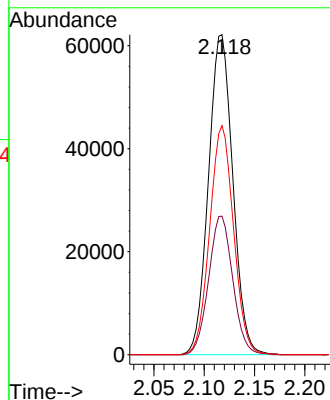
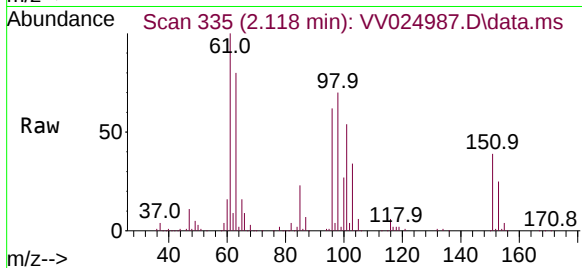




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 44.598 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: VV024987.D
 Acq: 14 Mar 2022 15:14

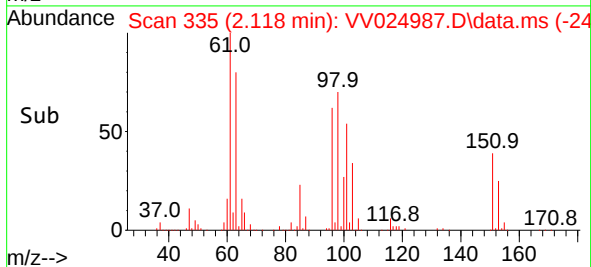
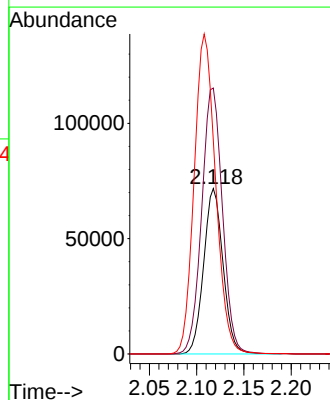
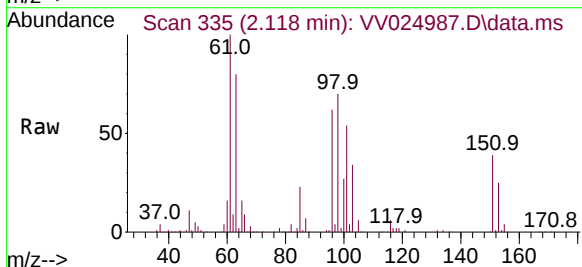
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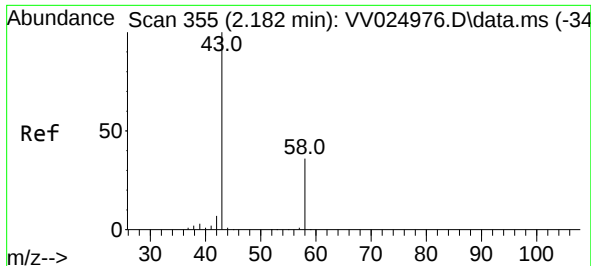
Tgt Ion:101 Resp: 104802
 Ion Ratio Lower Upper
 101 100
 85 42.9 33.8 50.8
 151 70.2 54.1 81.1



#12
 1,1-Dichloroethene
 Concen: 44.785 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: VV024987.D
 Acq: 14 Mar 2022 15:14

Tgt Ion: 96 Resp: 102493
 Ion Ratio Lower Upper
 96 100
 61 160.7 117.6 218.4
 63 129.1 105.3 195.5





#13

Acetone

Concen: 74.971 ug/L

RT: 2.185 min Scan# 355

Delta R.T. 0.003 min

Lab File: VV024987.D

Acq: 14 Mar 2022 15:14

Instrument :

MSVOA_V

ClientSampleId :

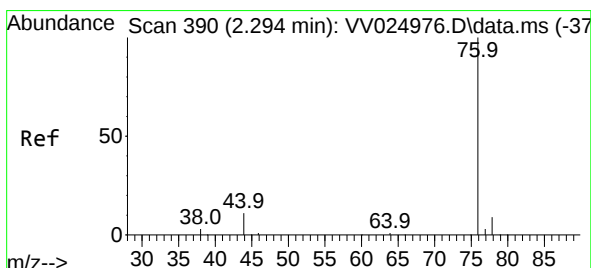
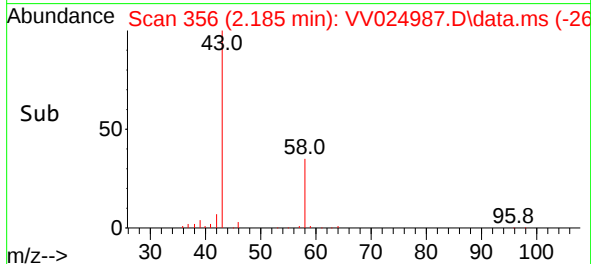
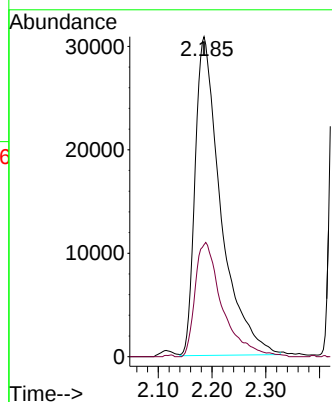
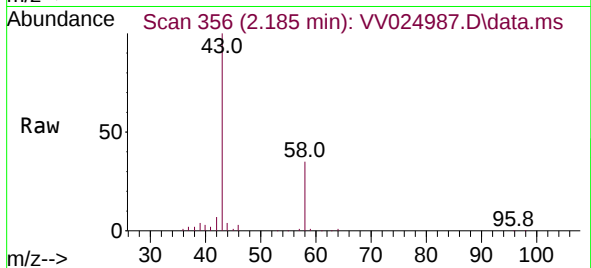
VSTD050290

Tgt Ion: 43 Resp: 102425

Ion Ratio Lower Upper

43 100

58 37.3 0.0 70.0



#14

Carbon disulfide

Concen: 43.640 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.000 min

Lab File: VV024987.D

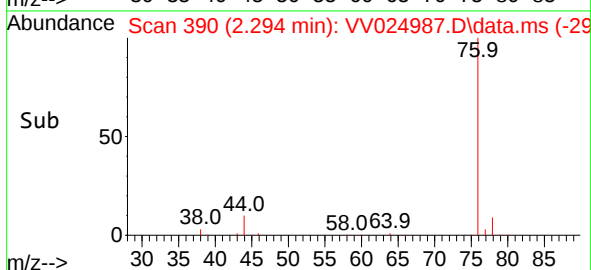
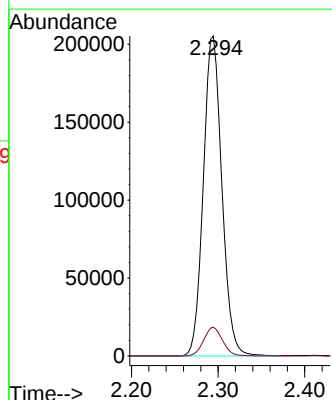
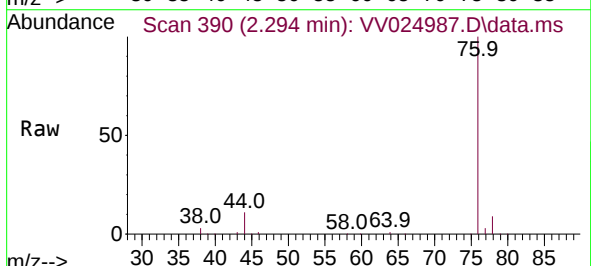
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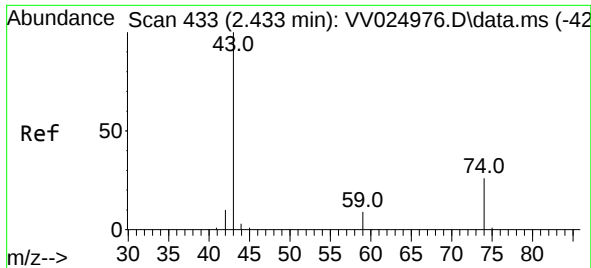
Tgt Ion: 76 Resp: 305102

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

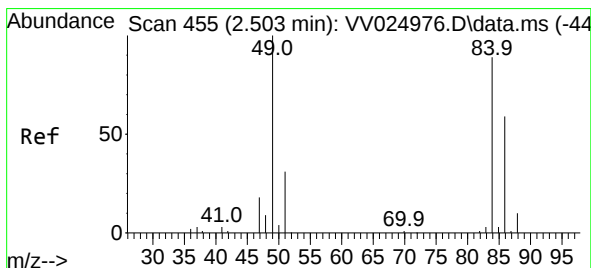
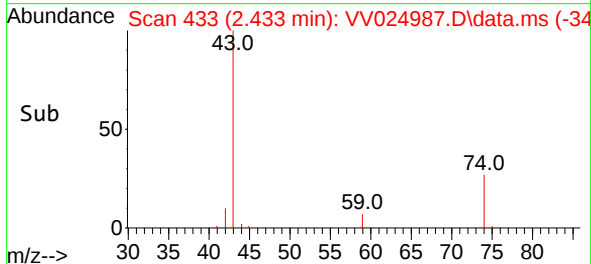
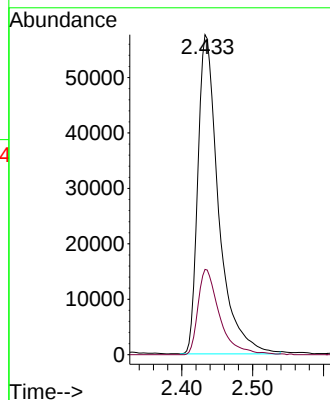
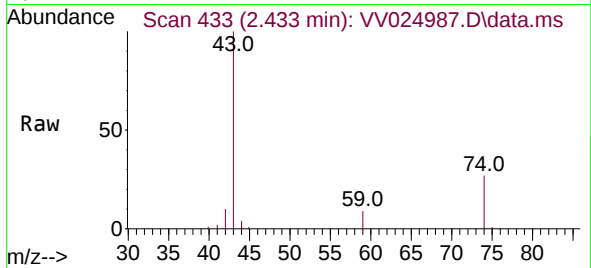




#15
Methyl Acetate
Concen: 49.899 ug/L
RT: 2.433 min Scan# 411
Delta R.T. 0.000 min
Lab File: VV024987.D
Acq: 14 Mar 2022 15:14

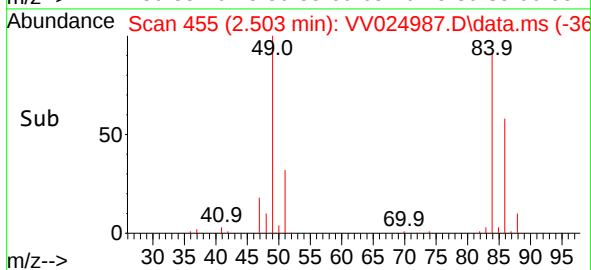
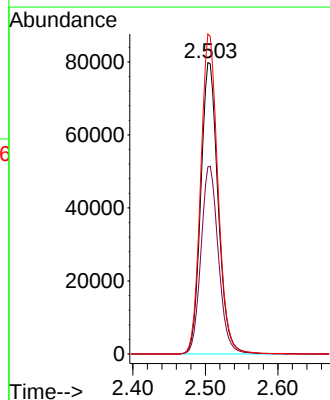
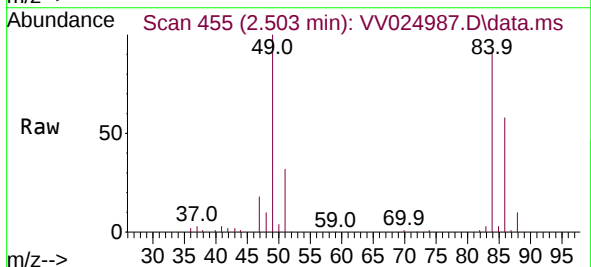
Instrument :
MSVOA_V
ClientSampleId :
VSTD050290

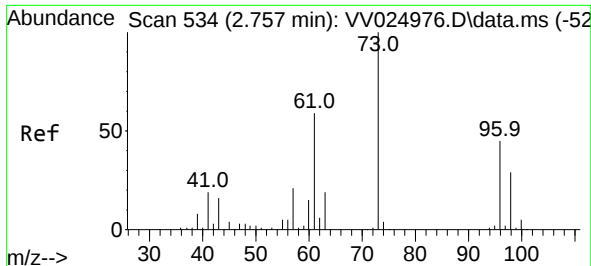
Tgt Ion: 43 Resp: 117109
Ion Ratio Lower Upper
43 100
74 27.3 21.0 31.4



#16
Methylene chloride
Concen: 49.226 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.000 min
Lab File: VV024987.D
Acq: 14 Mar 2022 15:14

Tgt Ion: 84 Resp: 131937
Ion Ratio Lower Upper
84 100
86 64.2 44.3 82.3
49 109.8 80.7 149.9





#17

trans-1,2-Dichloroethene

Concen: 47.615 ug/L

RT: 2.757 min Scan# 51

Delta R.T. 0.000 min

Lab File: VV024987.D

Acq: 14 Mar 2022 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD050290

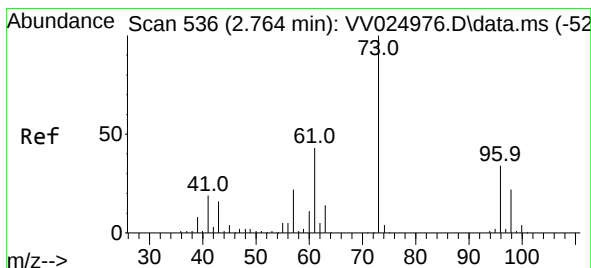
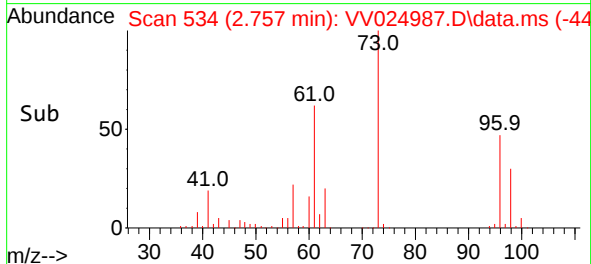
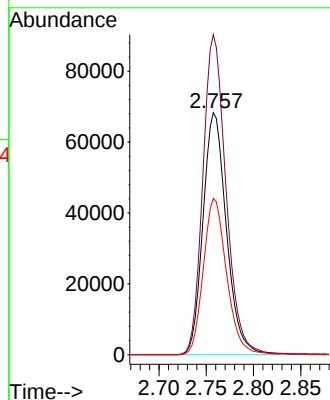
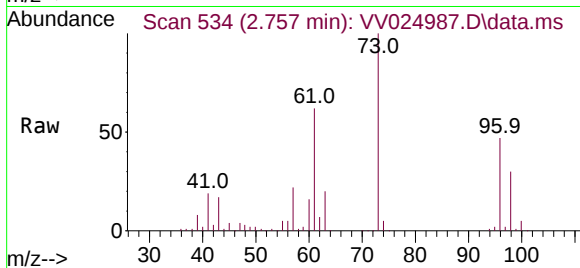
Tgt Ion: 96 Resp: 117850

Ion Ratio Lower Upper

96 100

61 132.2 93.7 173.9

98 64.5 43.7 81.1



#18

Methyl tert-butyl Ether

Concen: 49.884 ug/L

RT: 2.767 min Scan# 537

Delta R.T. 0.003 min

Lab File: VV024987.D

Acq: 14 Mar 2022 15:14

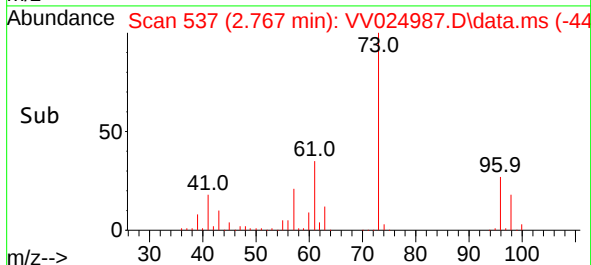
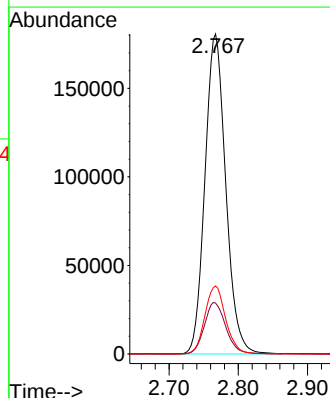
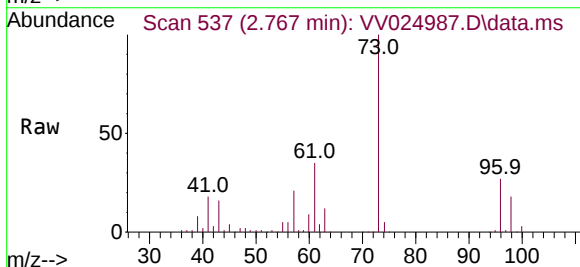
Tgt Ion: 73 Resp: 376456

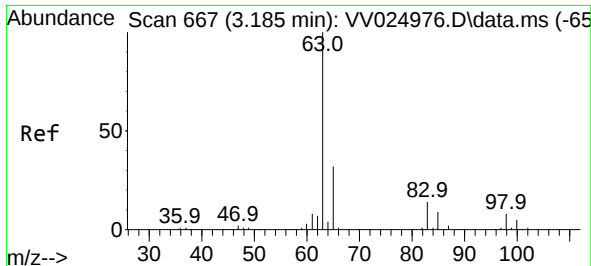
Ion Ratio Lower Upper

73 100

43 16.4 13.6 20.4

57 21.2 17.4 26.2





#19

1,1-Dichloroethane

Concen: 48.951 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV024987.D

Acq: 14 Mar 2022 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD050290

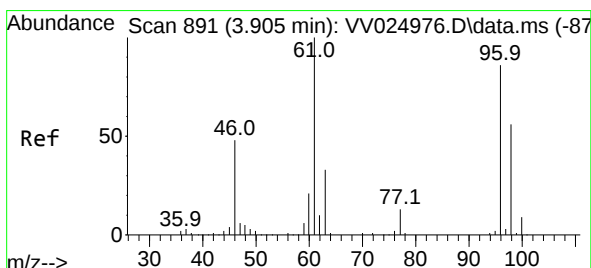
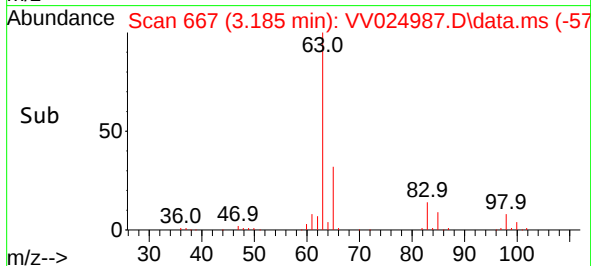
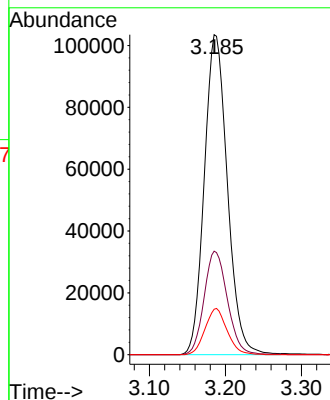
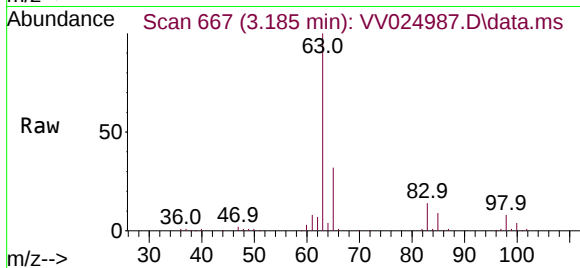
Tgt Ion: 63 Resp: 218451

Ion Ratio Lower Upper

63 100

65 32.4 22.0 40.8

83 14.2 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 49.363 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.000 min

Lab File: VV024987.D

Acq: 14 Mar 2022 15:14

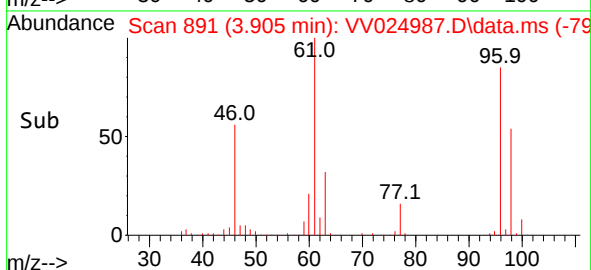
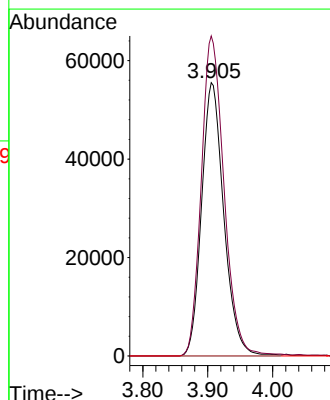
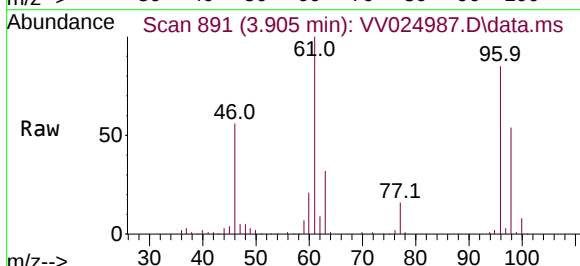
Tgt Ion: 96 Resp: 132251

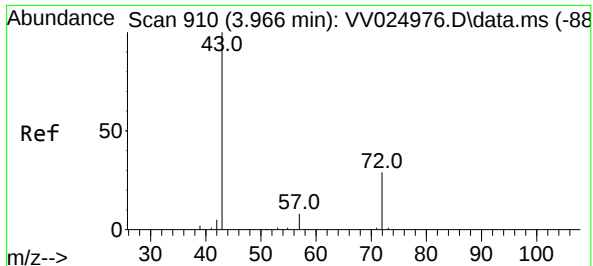
Ion Ratio Lower Upper

96 100

61 117.1 86.1 159.9

68 0.0 0.0 0.0

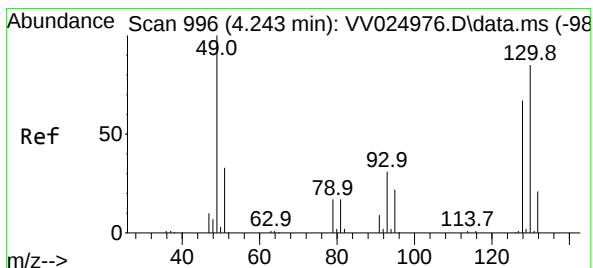
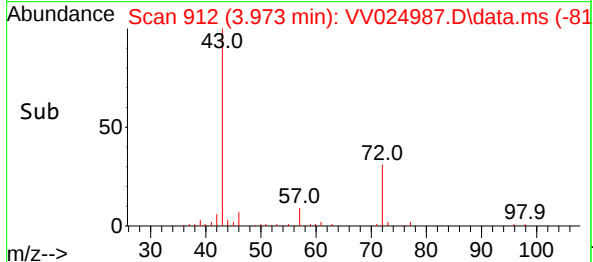
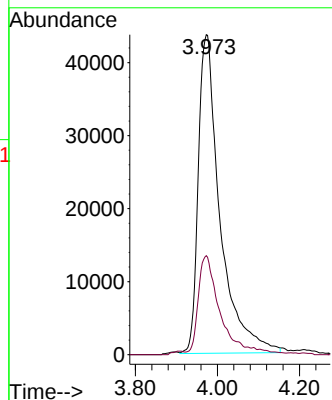
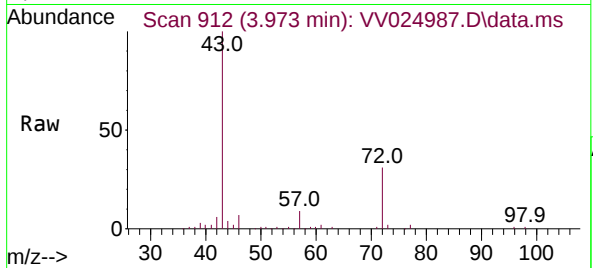




#22
2-Butanone
Concen: 102.483 ug/L
RT: 3.973 min Scan# 910
Delta R.T. 0.006 min
Lab File: VV024987.D
Acq: 14 Mar 2022 15:14

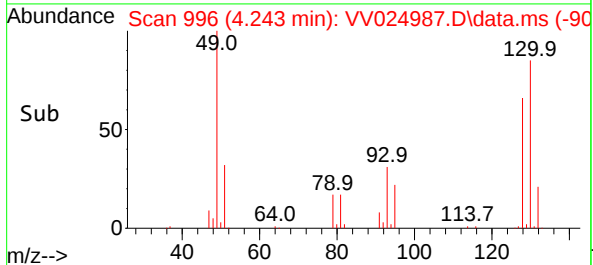
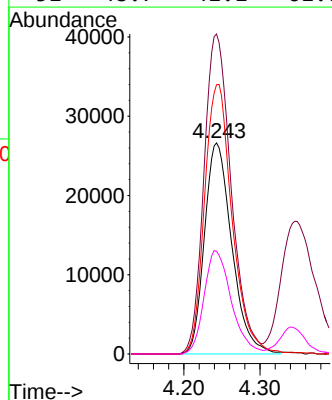
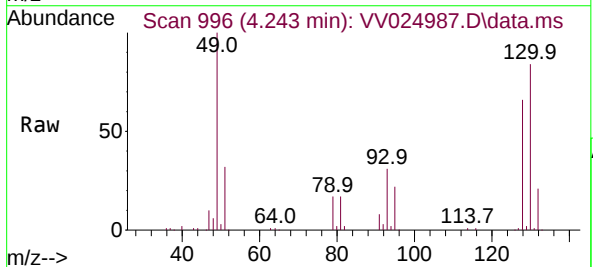
Instrument :
MSVOA_V
ClientSampleId :
VSTD050290

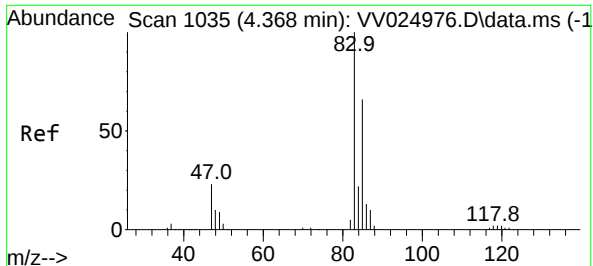
Tgt Ion: 43 Resp: 160545
Ion Ratio Lower Upper
43 100
72 27.9 13.9 41.6



#23
Bromochloromethane
Concen: 49.531 ug/L
RT: 4.243 min Scan# 996
Delta R.T. 0.000 min
Lab File: VV024987.D
Acq: 14 Mar 2022 15:14

Tgt Ion: 128 Resp: 66366
Ion Ratio Lower Upper
128 100
49 151.7 110.9 205.9
130 127.6 88.5 164.3
51 48.7 41.1 61.7





#25

Chloroform

Concen: 49.498 ug/L

RT: 4.372 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VV024987.D

Acq: 14 Mar 2022 15:14

Instrument :

MSVOA_V

ClientSampleId :

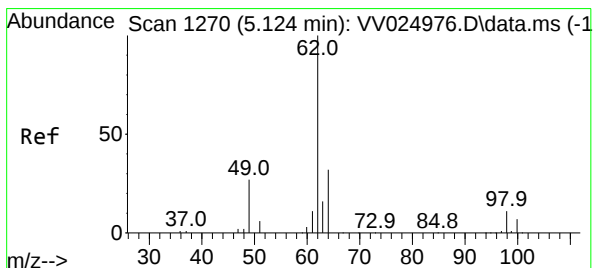
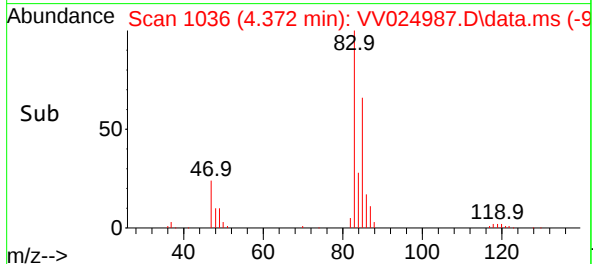
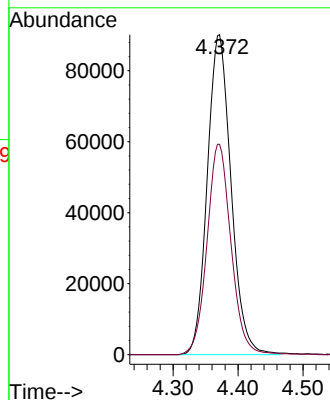
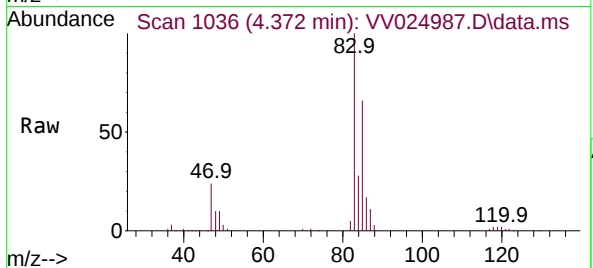
VSTD050290

Tgt Ion: 83 Resp: 229461

Ion Ratio Lower Upper

83 100

85 65.8 46.0 85.4



#27

1,2-Dichloroethane

Concen: 49.388 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VV024987.D

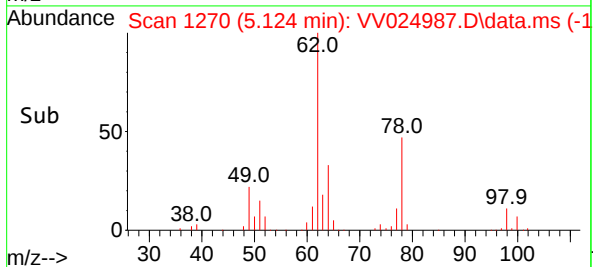
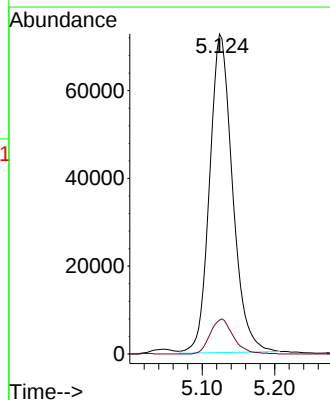
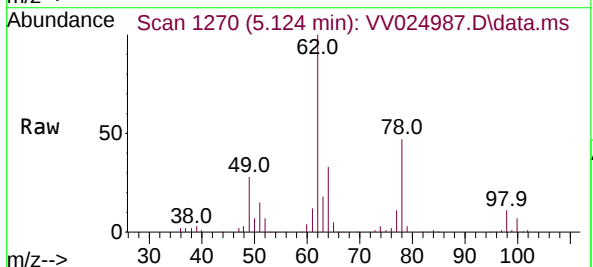
Acq: 14 Mar 2022 15:14

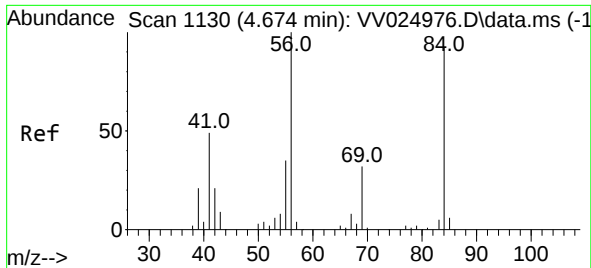
Tgt Ion: 62 Resp: 159767

Ion Ratio Lower Upper

62 100

98 10.6 8.2 12.4

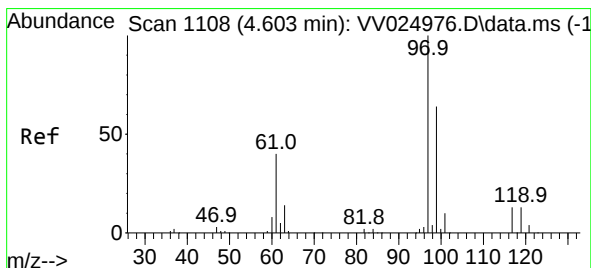
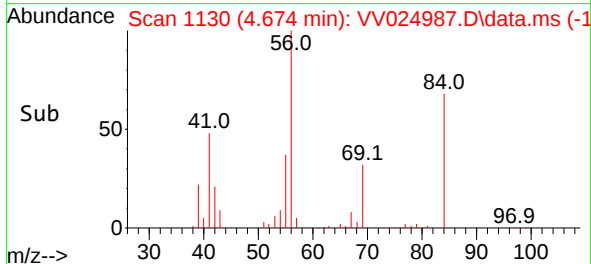
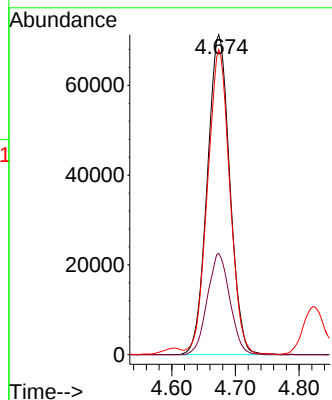
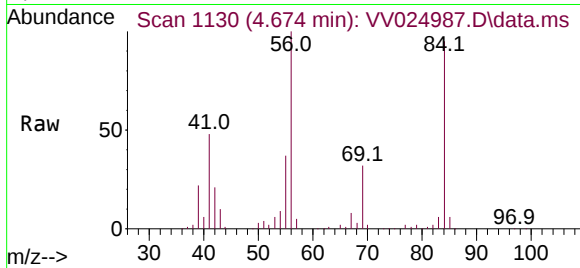




#29
Cyclohexane
Concen: 44.539 ug/L
RT: 4.674 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VV024987.D
Acq: 14 Mar 2022 15:14

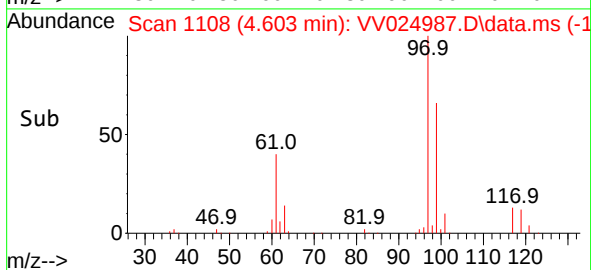
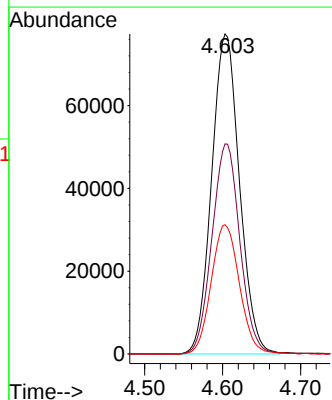
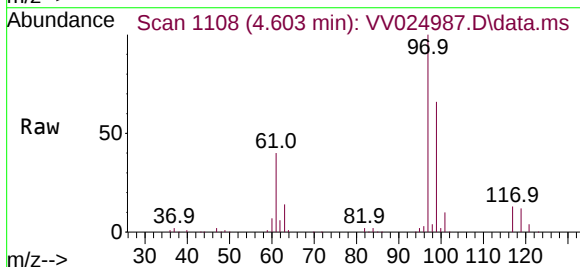
Instrument :
MSVOA_V
ClientSampleId :
VSTD050290

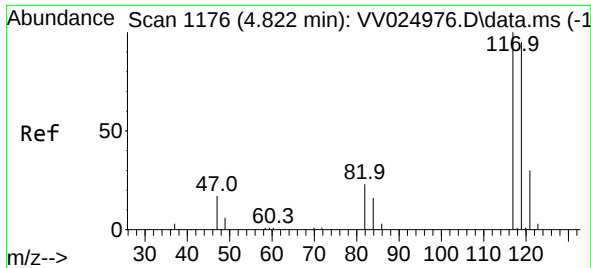
Tgt Ion: 56 Resp: 175240
Ion Ratio Lower Upper
56 100
69 31.6 25.0 37.6
84 94.1 73.4 110.2



#30
1,1,1-Trichloroethane
Concen: 48.449 ug/L
RT: 4.603 min Scan# 1108
Delta R.T. 0.000 min
Lab File: VV024987.D
Acq: 14 Mar 2022 15:14

Tgt Ion: 97 Resp: 191894
Ion Ratio Lower Upper
97 100
99 66.0 51.5 77.3
61 40.9 33.8 50.8

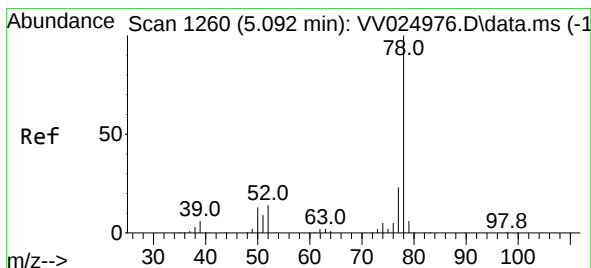
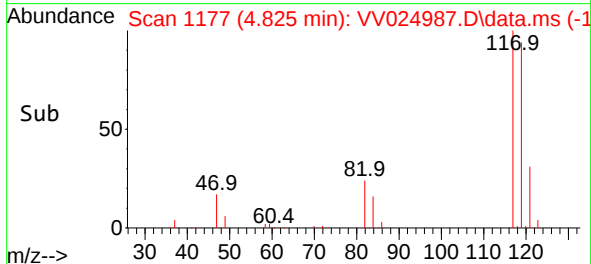
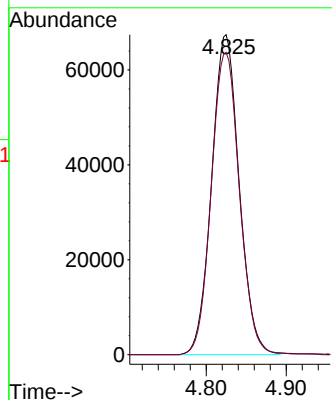
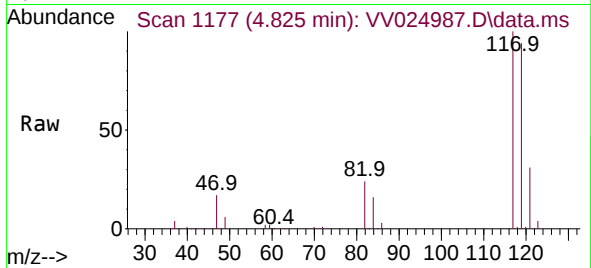




#31
Carbon tetrachloride
Concen: 47.855 ug/L
RT: 4.825 min Scan# 1176
Delta R.T. 0.003 min
Lab File: VV024987.D
Acq: 14 Mar 2022 15:14

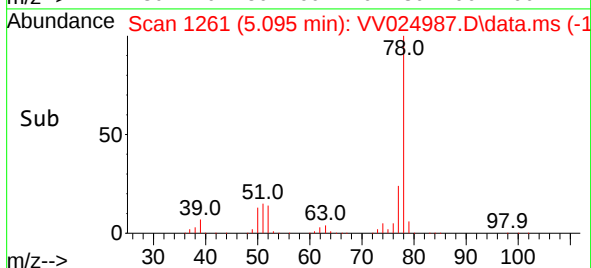
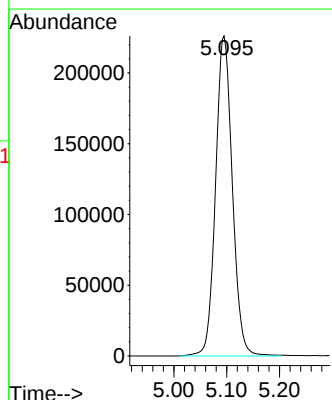
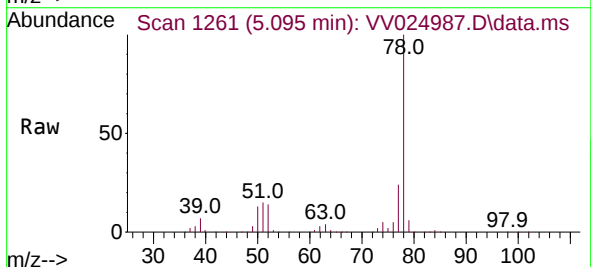
Instrument :
MSVOA_V
ClientSampleId :
VSTD050290

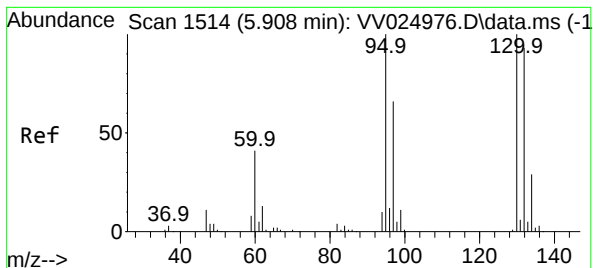
Tgt Ion:117 Resp: 161155
Ion Ratio Lower Upper
117 100
119 96.4 75.8 113.8



#33
Benzene
Concen: 49.171 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. 0.003 min
Lab File: VV024987.D
Acq: 14 Mar 2022 15:14

Tgt Ion: 78 Resp: 499138





#34

Trichloroethene

Concen: 48.554 ug/L

RT: 5.908 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV024987.D

Acq: 14 Mar 2022 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD050290

Tgt Ion: 95 Resp: 135116

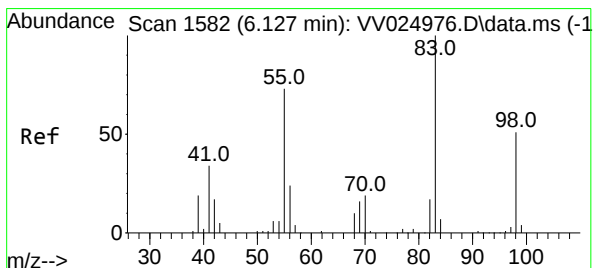
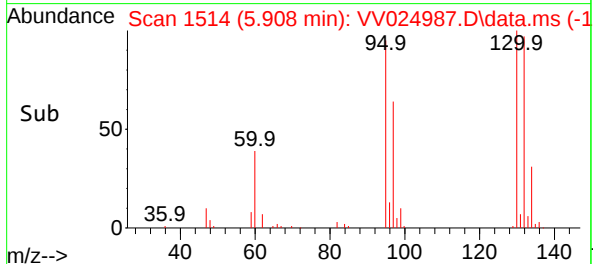
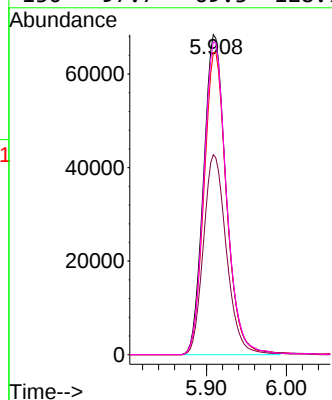
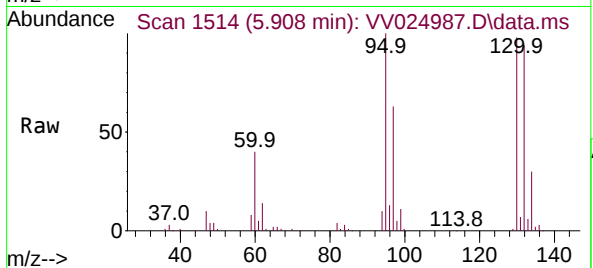
Ion Ratio Lower Upper

95 100

97 62.5 45.3 84.1

132 94.4 65.0 120.6

130 97.7 69.3 128.7



#35

Methylcyclohexane

Concen: 46.166 ug/L

RT: 6.127 min Scan# 1582

Delta R.T. 0.000 min

Lab File: VV024987.D

Acq: 14 Mar 2022 15:14

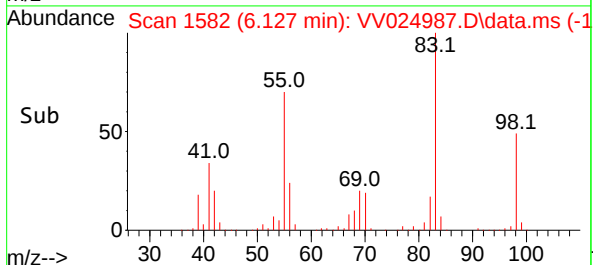
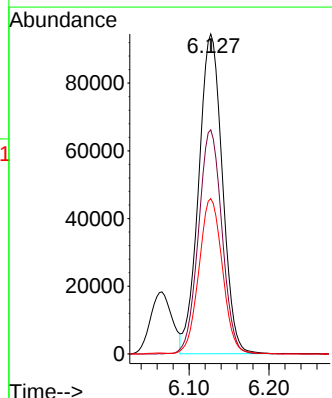
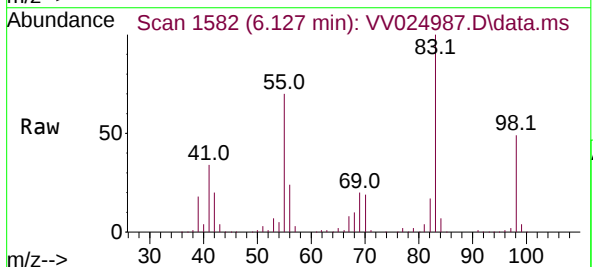
Tgt Ion: 83 Resp: 194916

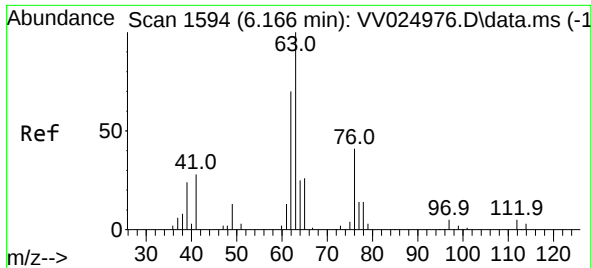
Ion Ratio Lower Upper

83 100

55 69.4 57.7 86.5

98 48.3 38.9 58.3





#37

1,2-Dichloropropane

Concen: 50.065 ug/L

RT: 6.169 min Scan# 1595

Delta R.T. 0.003 min

Lab File: VV024987.D

Acq: 14 Mar 2022 15:14

Instrument :

MSVOA_V

ClientSampleId :

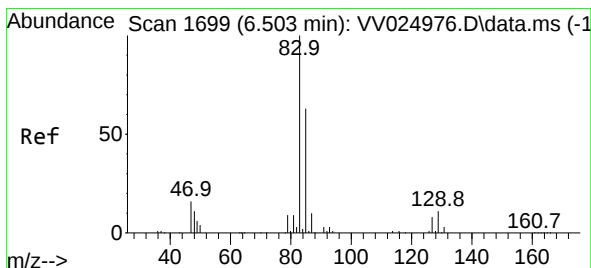
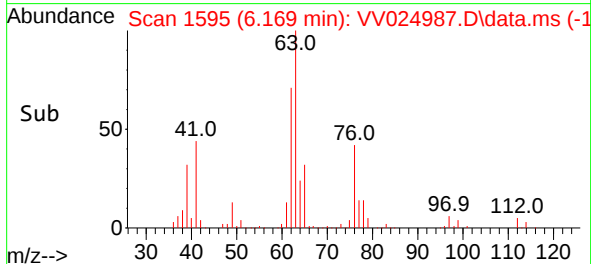
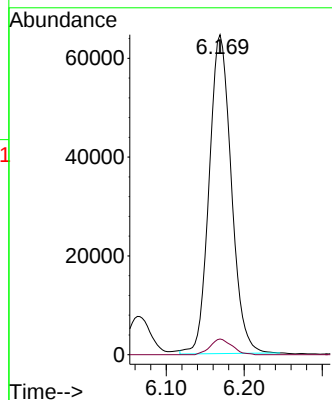
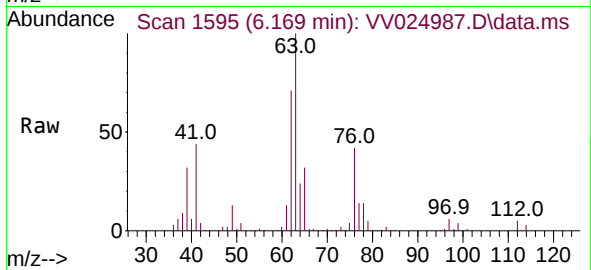
VSTD050290

Tgt Ion: 63 Resp: 127528

Ion Ratio Lower Upper

63 100

112 4.8 3.6 5.4



#38

Bromodichloromethane

Concen: 50.293 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. 0.000 min

Lab File: VV024987.D

Acq: 14 Mar 2022 15:14

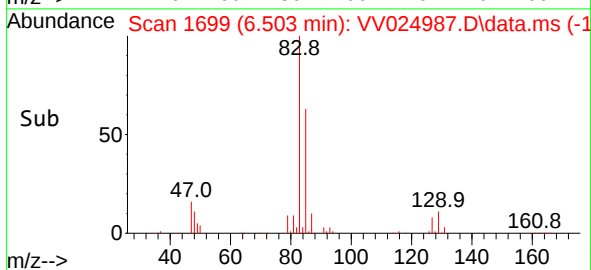
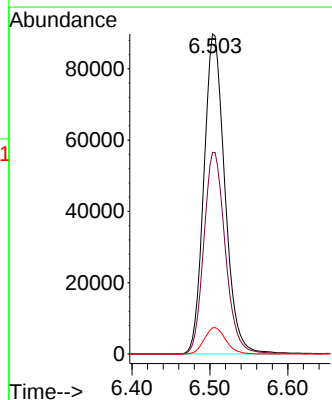
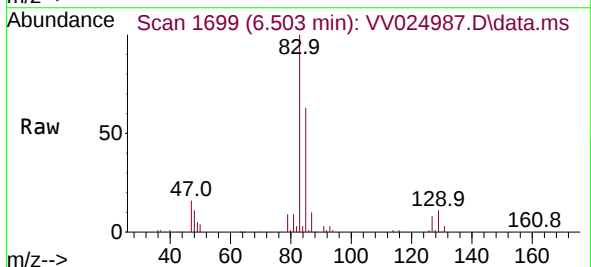
Tgt Ion: 83 Resp: 167878

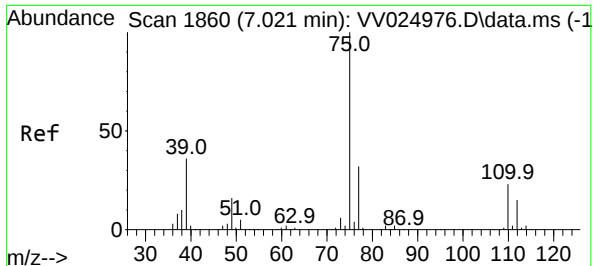
Ion Ratio Lower Upper

83 100

85 63.0 44.5 82.7

127 8.1 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 51.552 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. 0.000 min

Lab File: VV024987.D

Acq: 14 Mar 2022 15:14

Instrument :

MSVOA_V

ClientSampleId :

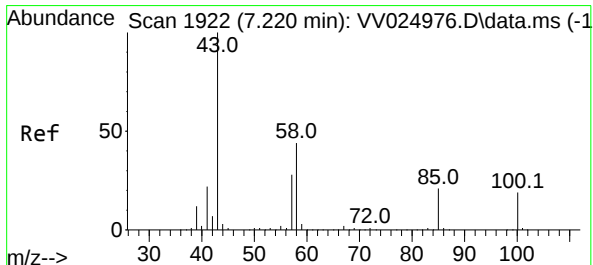
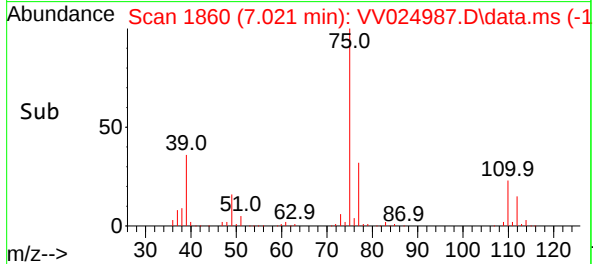
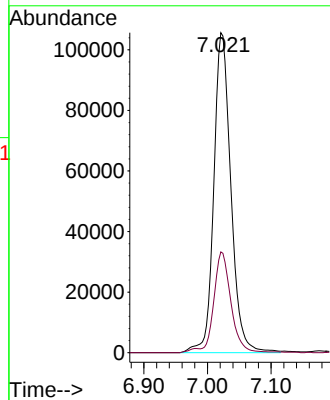
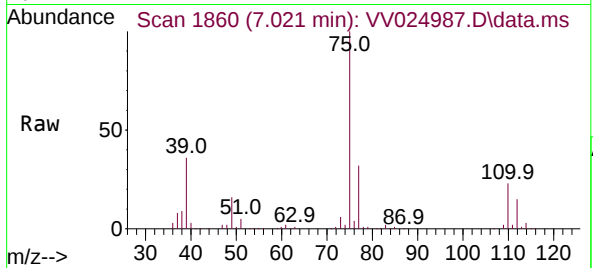
VSTD050290

Tgt Ion: 75 Resp: 197643

Ion Ratio Lower Upper

75 100

77 31.5 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 101.464 ug/L

RT: 7.224 min Scan# 1923

Delta R.T. 0.003 min

Lab File: VV024987.D

Acq: 14 Mar 2022 15:14

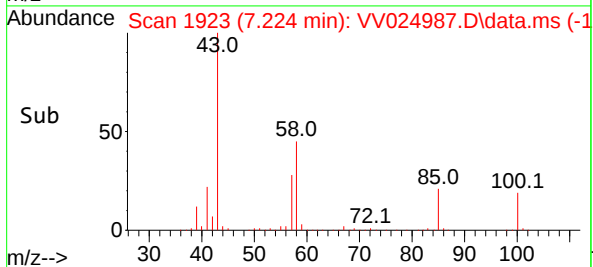
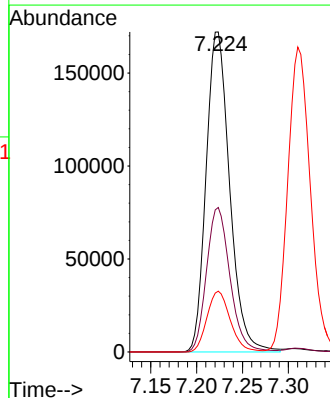
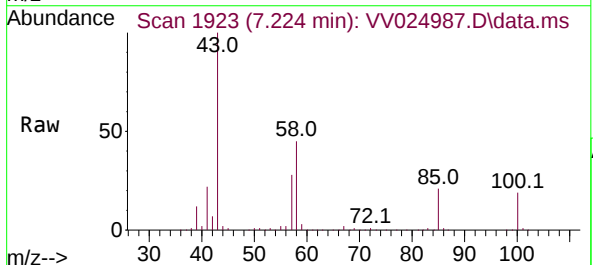
Tgt Ion: 43 Resp: 308145

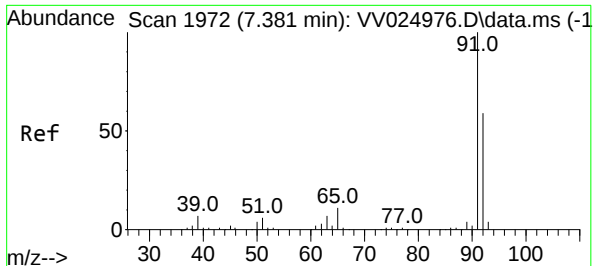
Ion Ratio Lower Upper

43 100

58 44.9 34.8 52.2

100 18.8 14.2 21.2





#42

Toluene

Concen: 49.501 ug/L

RT: 7.384 min Scan# 1972

Delta R.T. 0.003 min

Lab File: VV024987.D

Acq: 14 Mar 2022 15:14

Instrument :

MSVOA_V

ClientSampleId :

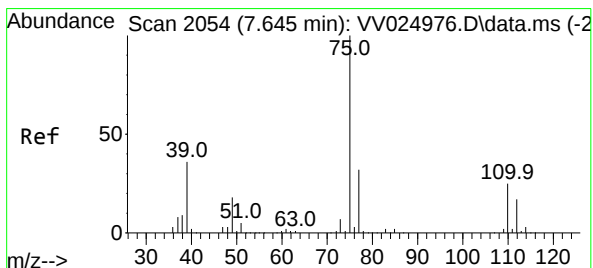
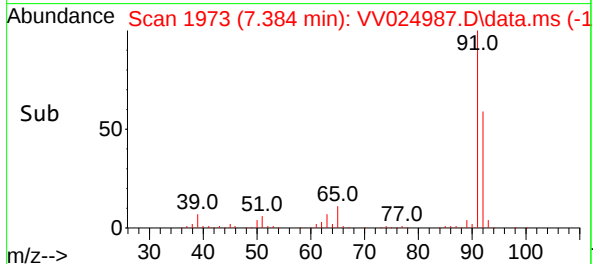
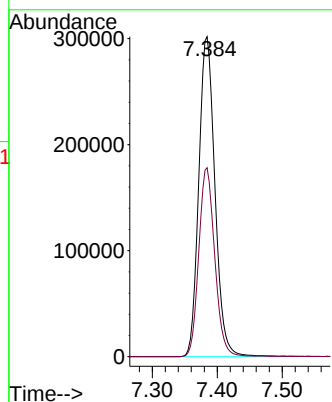
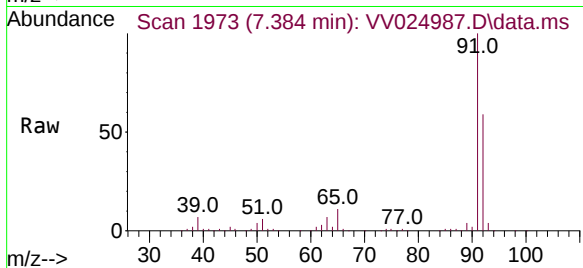
VSTD050290

Tgt Ion: 91 Resp: 524347

Ion Ratio Lower Upper

91 100

92 59.1 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 52.035 ug/L

RT: 7.645 min Scan# 2054

Delta R.T. 0.000 min

Lab File: VV024987.D

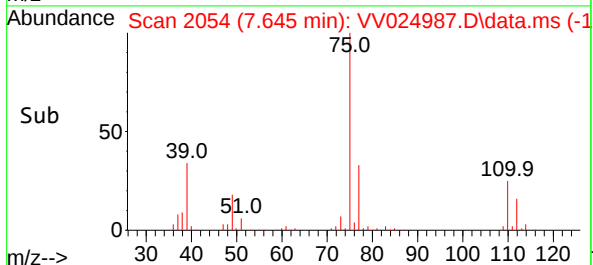
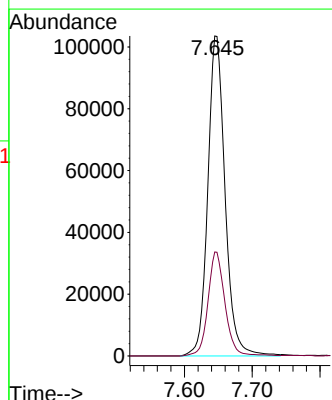
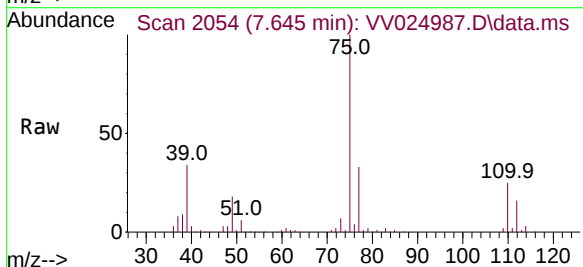
Acq: 14 Mar 2022 15:14

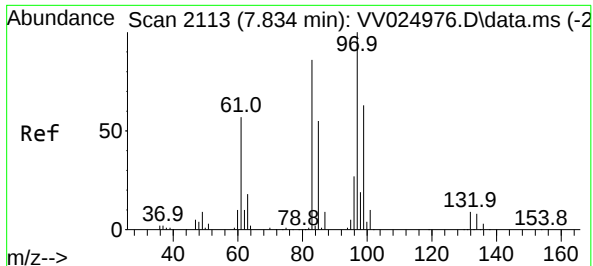
Tgt Ion: 75 Resp: 183275

Ion Ratio Lower Upper

75 100

77 32.5 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 50.551 ug/L

RT: 7.834 min Scan# 2113

Delta R.T. 0.000 min

Lab File: VV024987.D

Acq: 14 Mar 2022 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD050290

Tgt Ion: 97 Resp: 125113

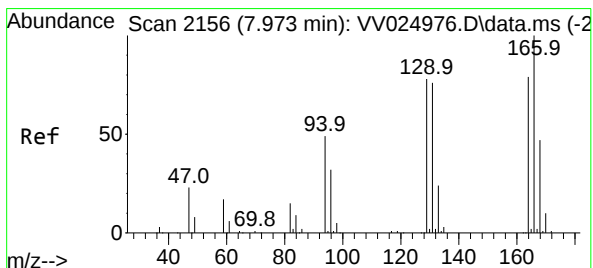
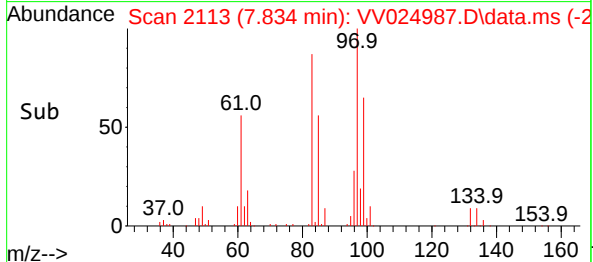
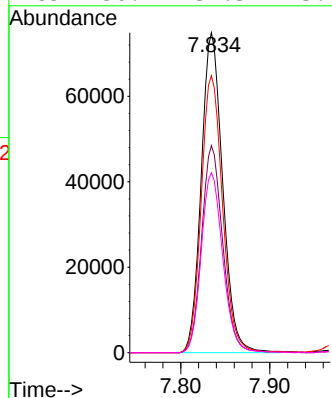
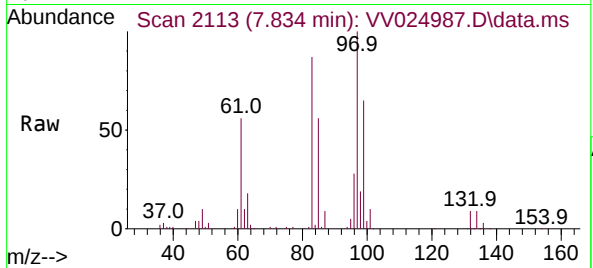
Ion Ratio Lower Upper

97 100

99 64.7 43.9 81.5

83 86.5 61.7 114.5

85 56.2 39.3 73.1



#46

Tetrachloroethene

Concen: 47.910 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.000 min

Lab File: VV024987.D

Acq: 14 Mar 2022 15:14

Tgt Ion:164 Resp: 86104

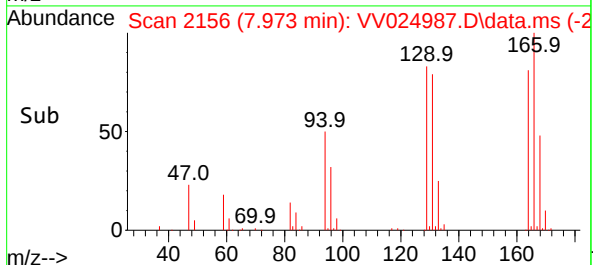
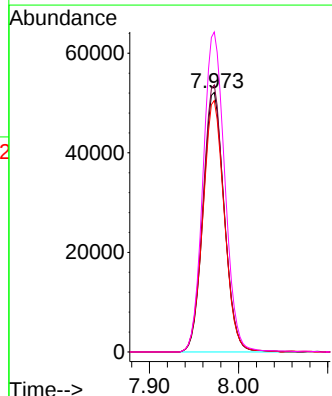
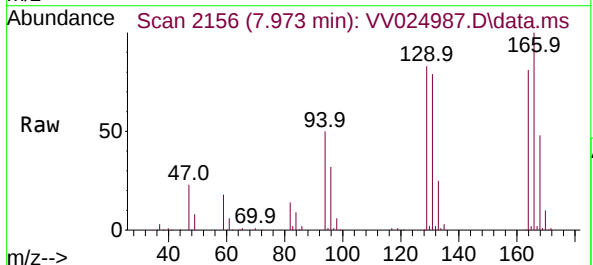
Ion Ratio Lower Upper

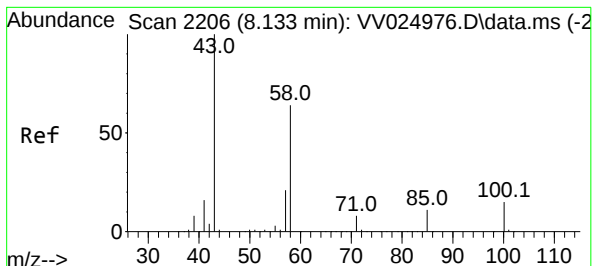
164 100

129 102.9 74.1 137.7

131 96.9 70.1 130.1

166 123.3 91.1 169.1





#48

2-Hexanone

Concen: 98.640 ug/L

RT: 8.137 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV024987.D

Acq: 14 Mar 2022 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD050290

Tgt Ion: 43 Resp: 235765

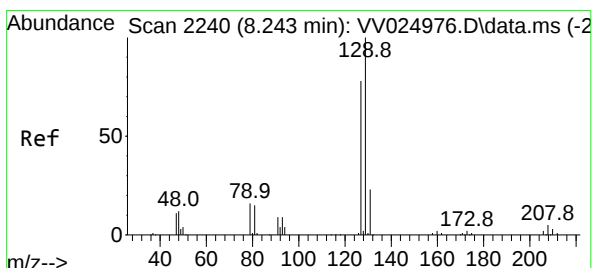
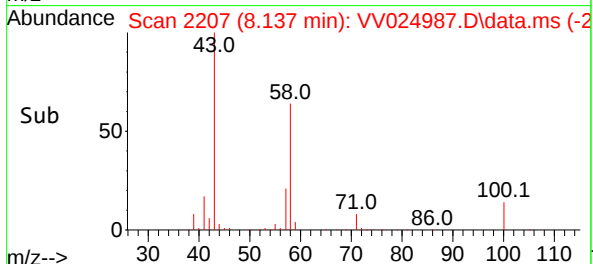
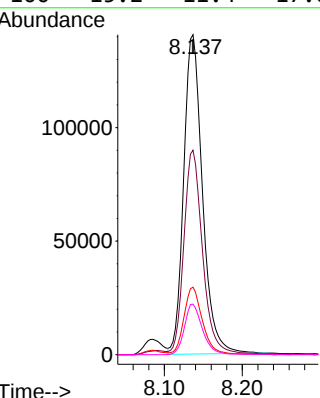
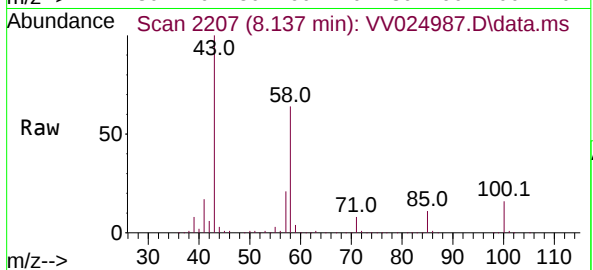
Ion Ratio Lower Upper

43 100

58 63.2 48.6 72.8

57 20.9 16.5 24.7

100 15.2 11.4 17.0



#49

Dibromochloromethane

Concen: 53.286 ug/L

RT: 8.243 min Scan# 2240

Delta R.T. 0.000 min

Lab File: VV024987.D

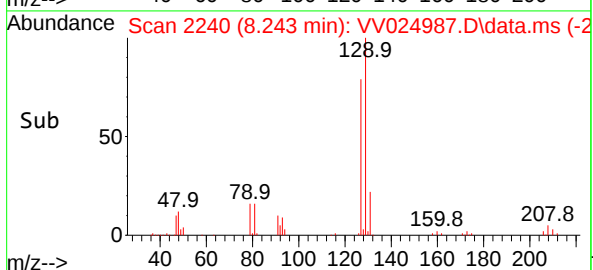
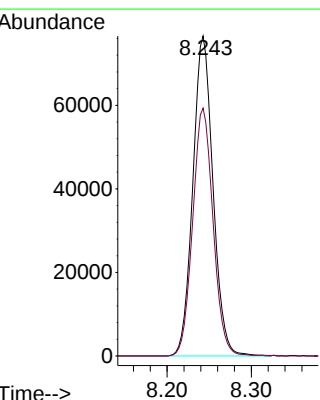
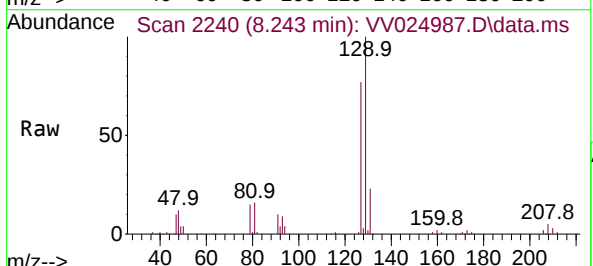
Acq: 14 Mar 2022 15:14

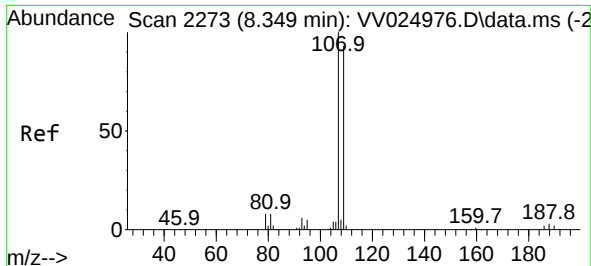
Tgt Ion:129 Resp: 127448

Ion Ratio Lower Upper

129 100

127 77.4 54.2 100.6





#50

1,2-Dibromoethane

Concen: 51.262 ug/L

RT: 8.349 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV024987.D

Acq: 14 Mar 2022 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD050290

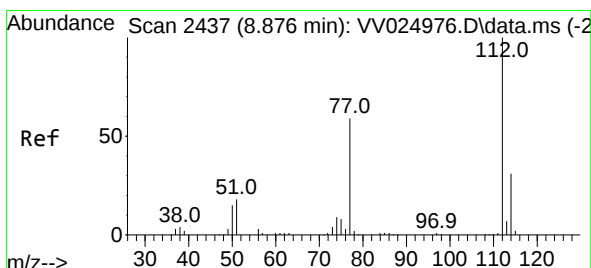
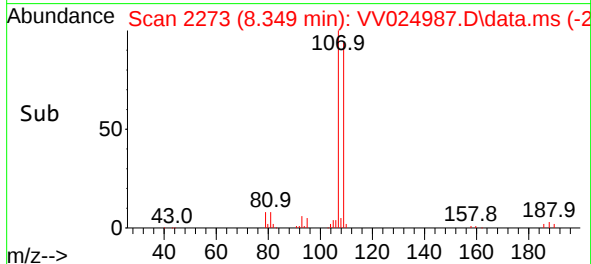
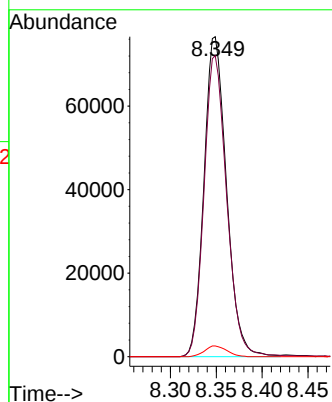
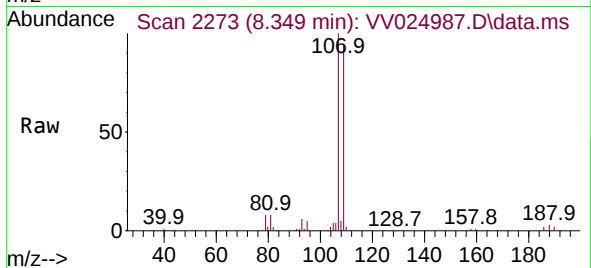
Tgt Ion:107 Resp: 130842

Ion Ratio Lower Upper

107 100

109 94.0 65.6 121.8

188 3.3 2.4 3.6



#51

Chlorobenzene

Concen: 49.383 ug/L

RT: 8.876 min Scan# 2437

Delta R.T. 0.000 min

Lab File: VV024987.D

Acq: 14 Mar 2022 15:14

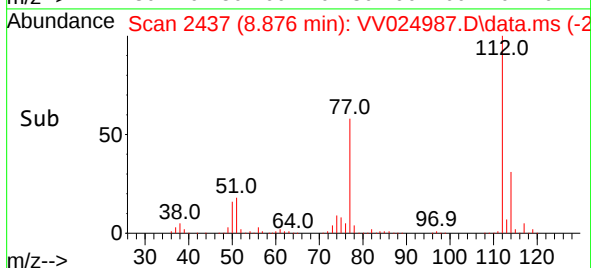
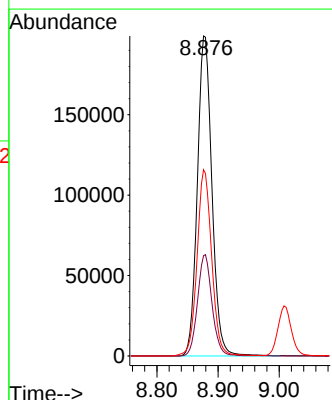
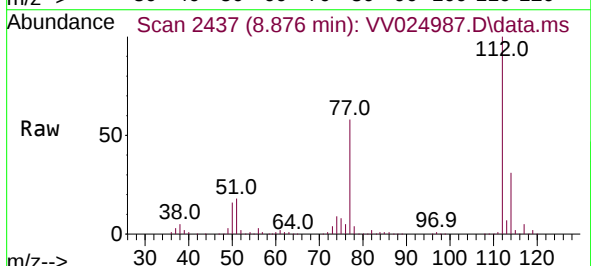
Tgt Ion:112 Resp: 329986

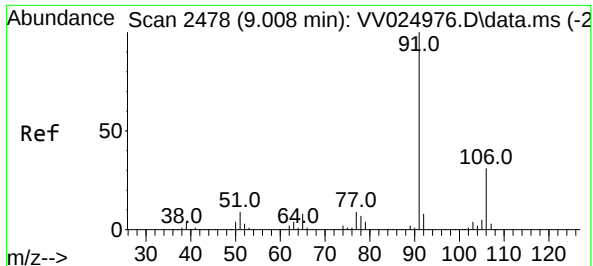
Ion Ratio Lower Upper

112 100

114 31.4 22.3 41.5

77 58.2 46.7 70.1

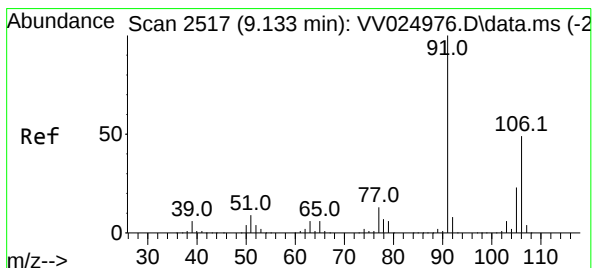
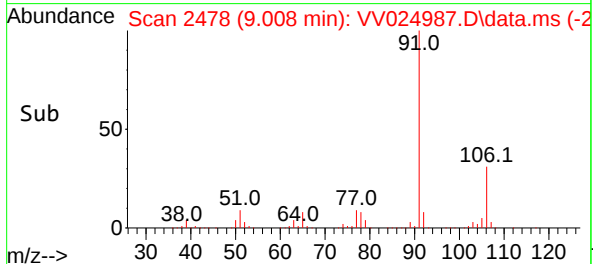
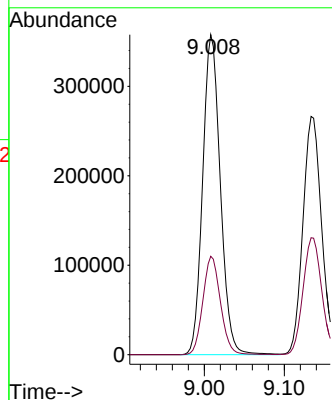
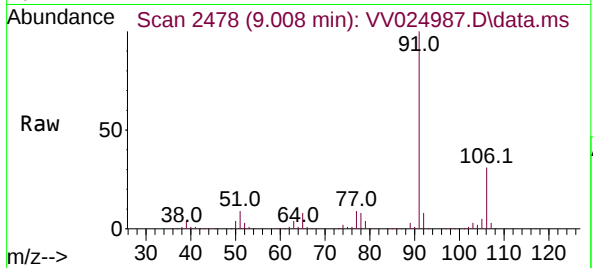




#52
Ethylbenzene
Concen: 49.289 ug/L
RT: 9.008 min Scan# 2478
Delta R.T. 0.000 min
Lab File: VV024987.D
Acq: 14 Mar 2022 15:14

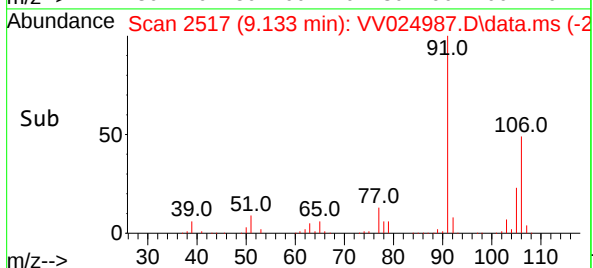
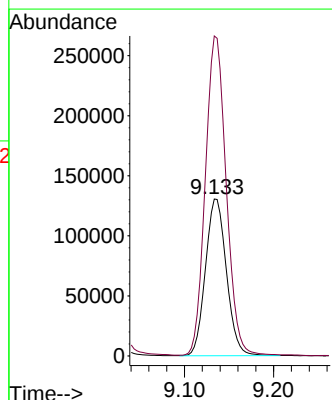
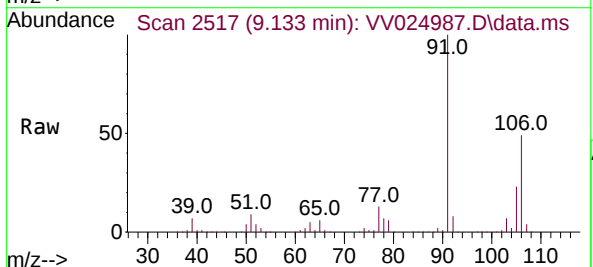
Instrument :
MSVOA_V
ClientSampleId :
VSTD050290

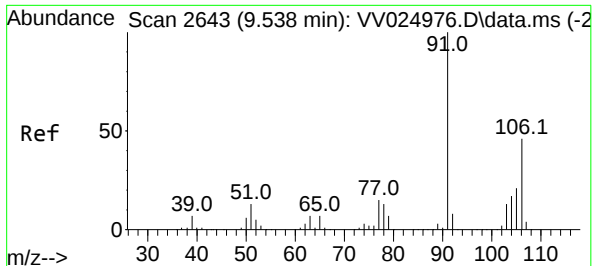
Tgt Ion: 91 Resp: 550655
Ion Ratio Lower Upper
91 100
106 30.7 21.6 40.2



#53
m,p-Xylene
Concen: 49.590 ug/L
RT: 9.133 min Scan# 2517
Delta R.T. 0.000 min
Lab File: VV024987.D
Acq: 14 Mar 2022 15:14

Tgt Ion: 106 Resp: 212883
Ion Ratio Lower Upper
106 100
91 203.9 142.2 264.2

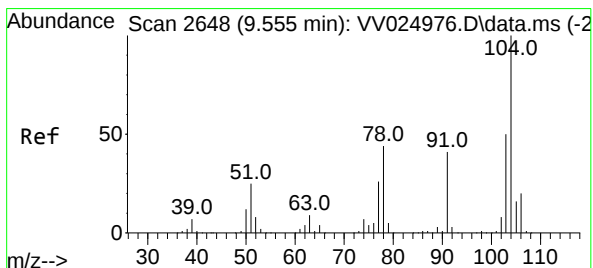
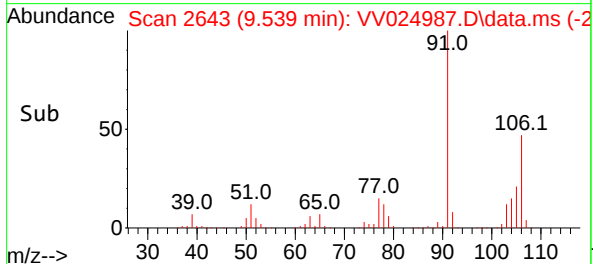
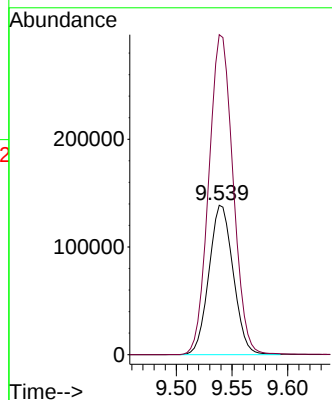
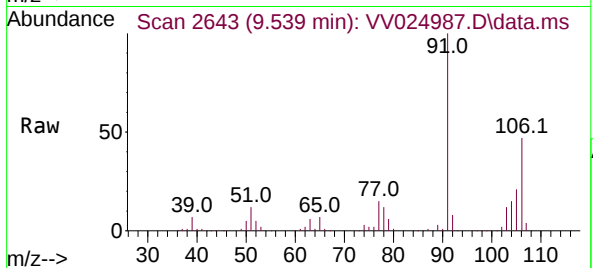




#54
o-Xylene
Concen: 50.684 ug/L
RT: 9.539 min Scan# 2643
Delta R.T. 0.000 min
Lab File: VV024987.D
Acq: 14 Mar 2022 15:14

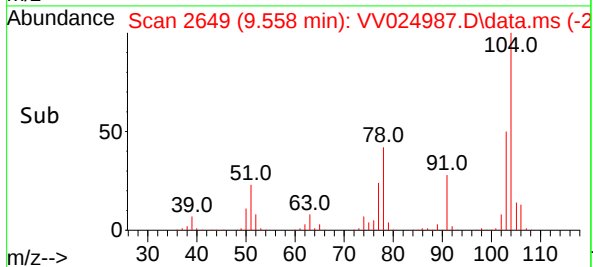
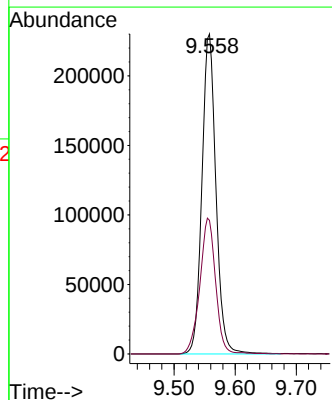
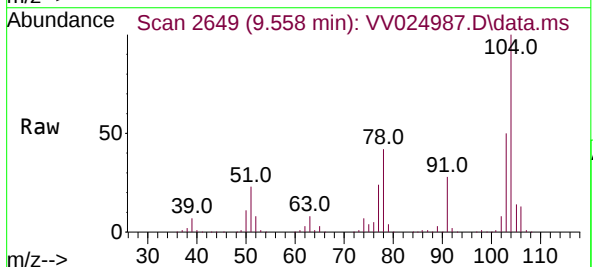
Instrument :
MSVOA_V
ClientSampleId :
VSTD050290

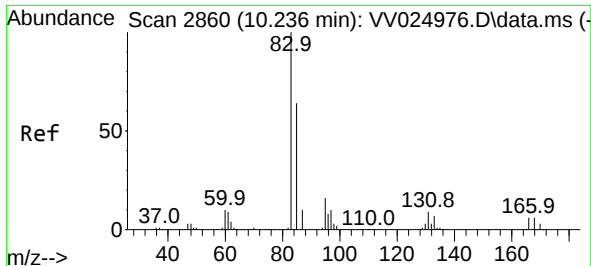
Tgt Ion:106 Resp: 210240
Ion Ratio Lower Upper
106 100
91 214.0 151.6 281.6



#55
Styrene
Concen: 52.082 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.003 min
Lab File: VV024987.D
Acq: 14 Mar 2022 15:14

Tgt Ion:104 Resp: 366554
Ion Ratio Lower Upper
104 100
78 41.8 30.9 57.3

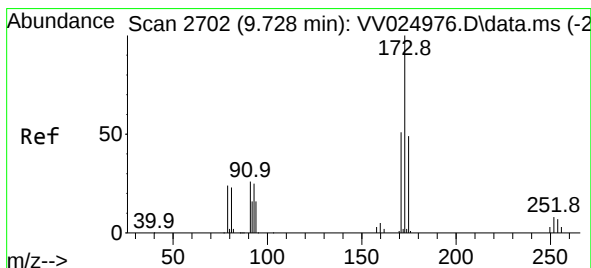
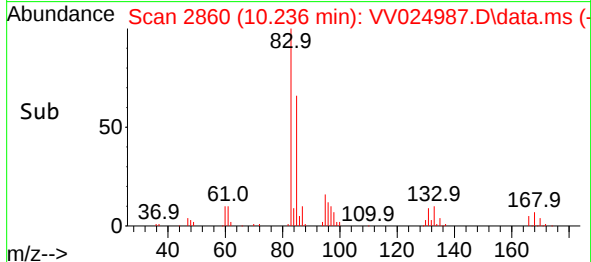
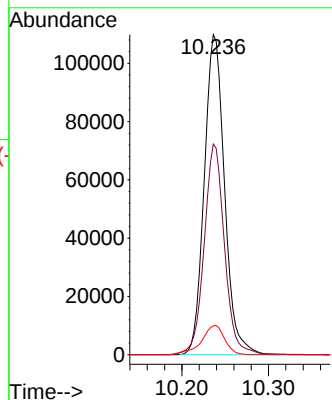
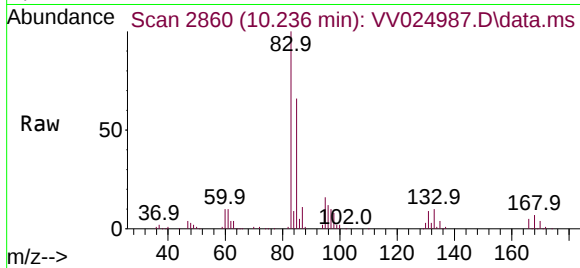




#57
 1,1,2,2-Tetrachloroethane
 Concen: 51.576 ug/L
 RT: 10.236 min Scan# 2860
 Delta R.T. 0.000 min
 Lab File: VV024987.D
 Acq: 14 Mar 2022 15:14

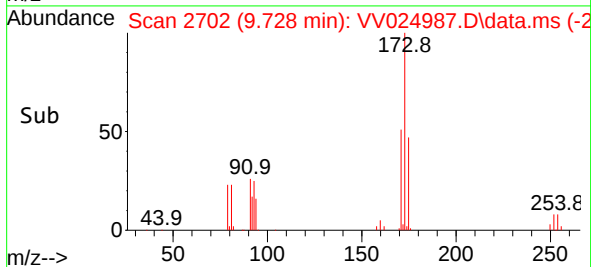
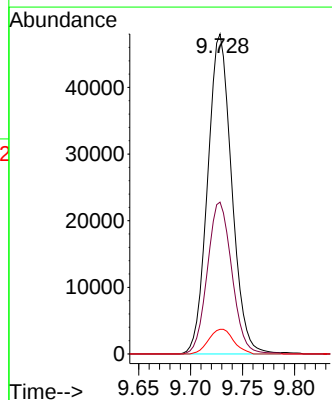
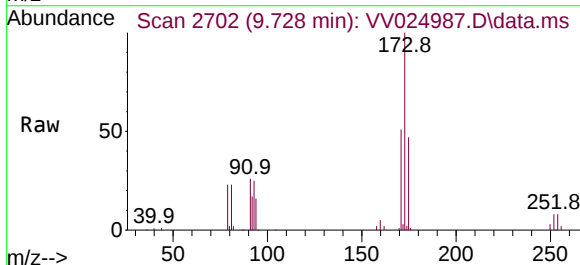
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050290

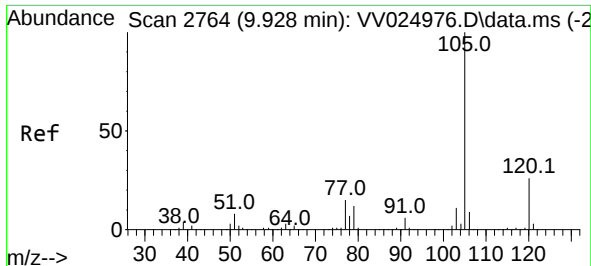
Tgt Ion: 83 Resp: 178549
 Ion Ratio Lower Upper
 83 100
 85 65.8 44.2 82.2
 131 9.0 7.0 10.4



#59
 Bromoform
 Concen: 54.395 ug/L
 RT: 9.728 min Scan# 2702
 Delta R.T. 0.000 min
 Lab File: VV024987.D
 Acq: 14 Mar 2022 15:14

Tgt Ion: 173 Resp: 77166
 Ion Ratio Lower Upper
 173 100
 175 48.2 37.9 56.9
 254 8.0 6.2 9.4

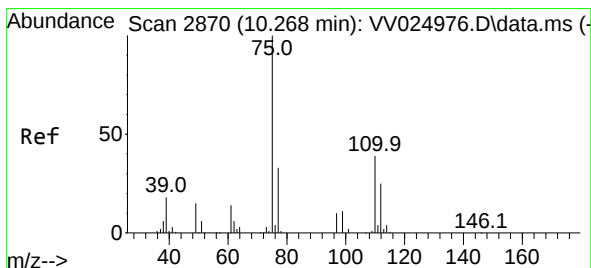
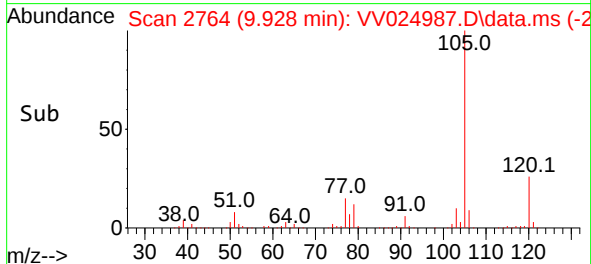
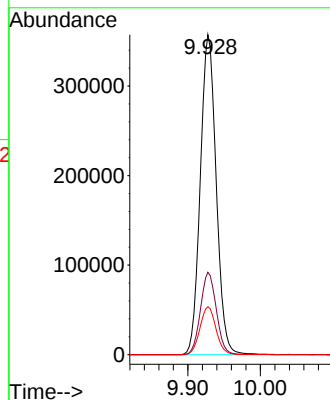
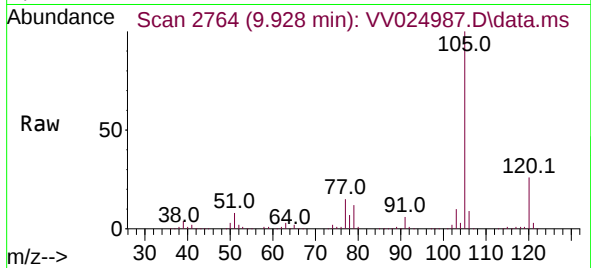




#60
Isopropylbenzene
Concen: 48.135 ug/L
RT: 9.928 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV024987.D
Acq: 14 Mar 2022 15:14

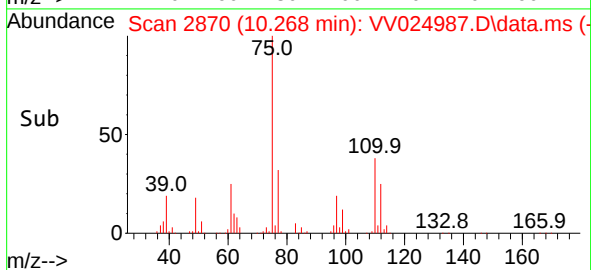
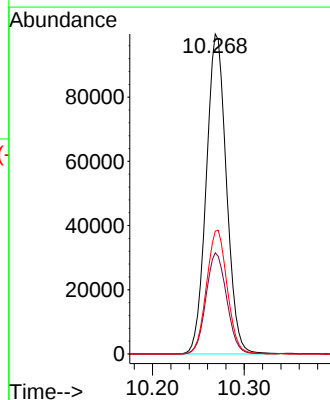
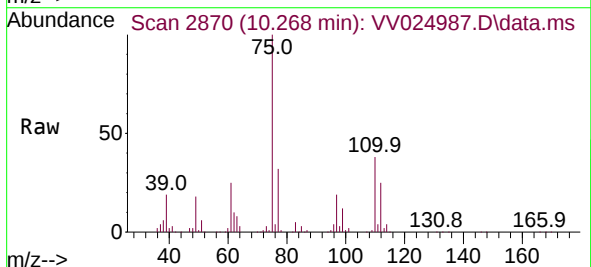
Instrument :
MSVOA_V
ClientSampleId :
VSTD050290

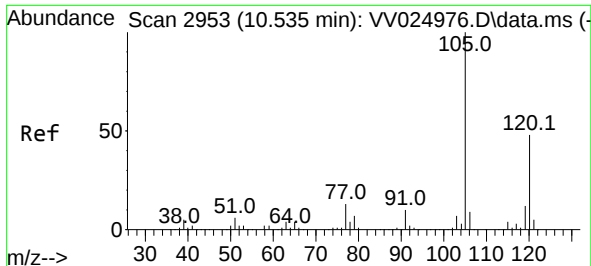
Tgt Ion:105 Resp: 544391
Ion Ratio Lower Upper
105 100
120 25.6 20.6 31.0
77 15.2 12.3 18.5



#61
1,2,3-Trichloropropane
Concen: 48.900 ug/L
RT: 10.268 min Scan# 2870
Delta R.T. 0.000 min
Lab File: VV024987.D
Acq: 14 Mar 2022 15:14

Tgt Ion: 75 Resp: 152375
Ion Ratio Lower Upper
75 100
77 32.5 25.4 38.0
110 39.6 31.4 47.2





#62

1,3,5-Trimethylbenzene

Concen: 49.103 ug/L

RT: 10.535 min Scan# 2953

Delta R.T. 0.000 min

Lab File: VV024987.D

Acq: 14 Mar 2022 15:14

Instrument :

MSVOA_V

ClientSampleId :

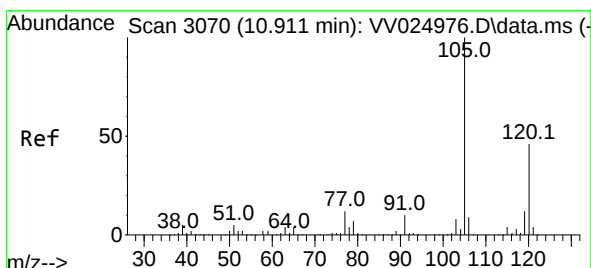
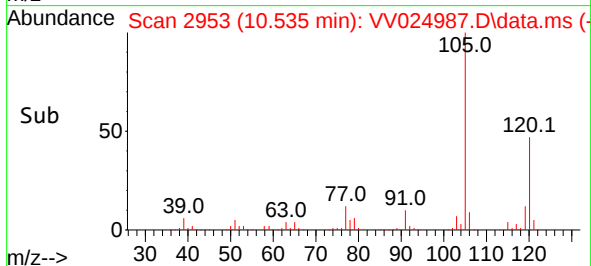
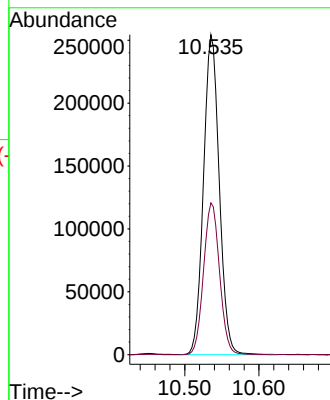
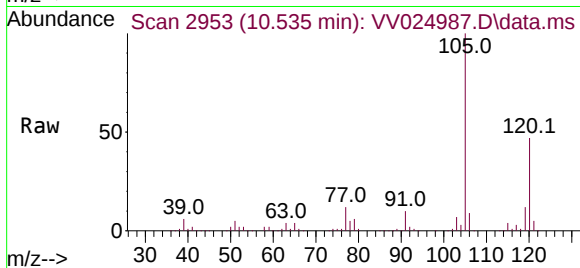
VSTD050290

Tgt Ion:105 Resp: 374691

Ion Ratio Lower Upper

105 100

120 48.2 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 49.443 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. 0.000 min

Lab File: VV024987.D

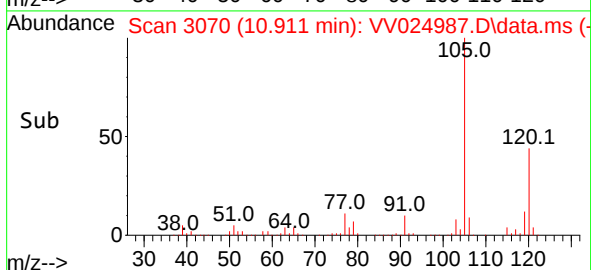
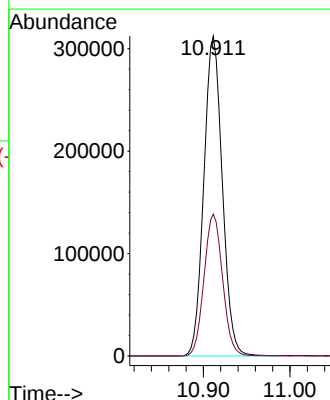
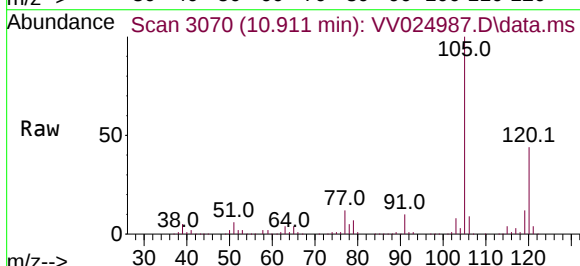
Acq: 14 Mar 2022 15:14

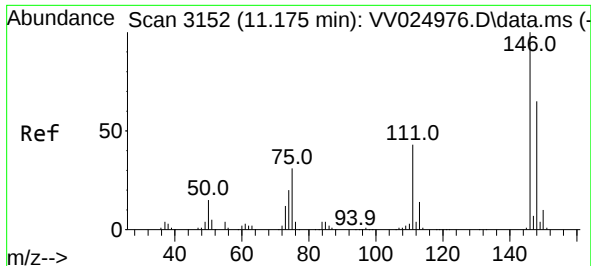
Tgt Ion:105 Resp: 462426

Ion Ratio Lower Upper

105 100

120 44.5 36.1 54.1

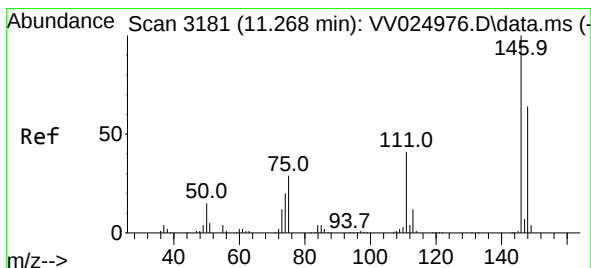
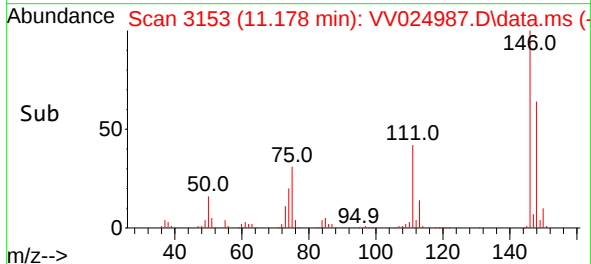
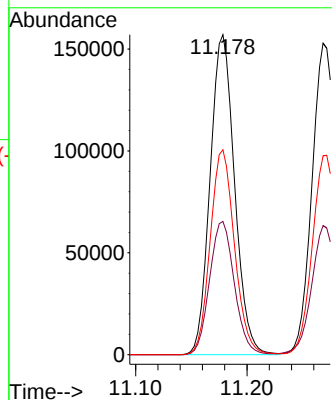
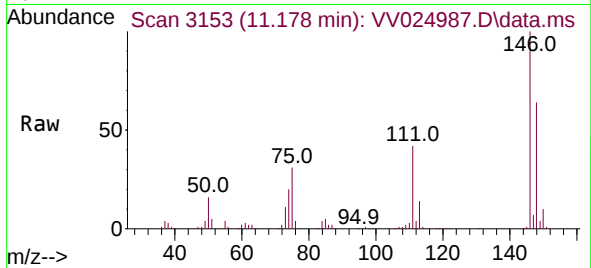




#64
 1,3-Dichlorobenzene
 Concen: 48.252 ug/L
 RT: 11.178 min Scan# 3152
 Delta R.T. 0.003 min
 Lab File: VV024987.D
 Acq: 14 Mar 2022 15:14

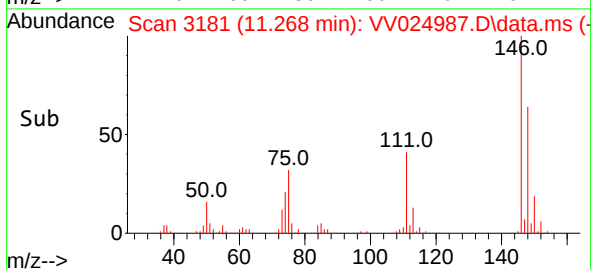
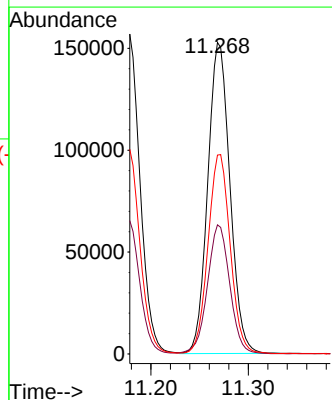
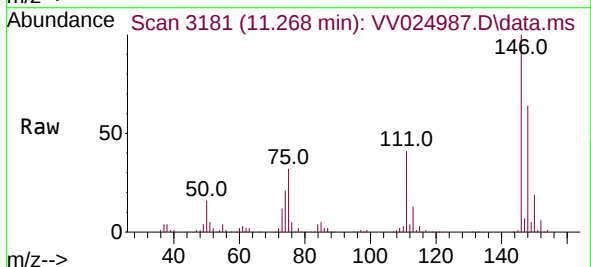
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050290

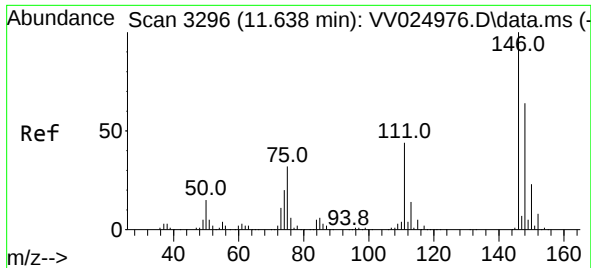
Tgt Ion:146 Resp: 239465
 Ion Ratio Lower Upper
 146 100
 111 41.7 29.7 55.1
 148 64.1 43.9 81.5



#65
 1,4-Dichlorobenzene
 Concen: 47.435 ug/L
 RT: 11.268 min Scan# 3181
 Delta R.T. 0.000 min
 Lab File: VV024987.D
 Acq: 14 Mar 2022 15:14

Tgt Ion:146 Resp: 241007
 Ion Ratio Lower Upper
 146 100
 111 41.5 28.6 53.0
 148 63.8 43.7 81.1

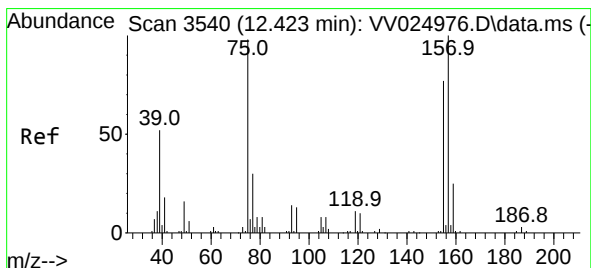
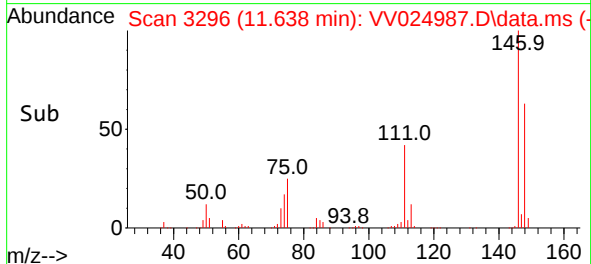
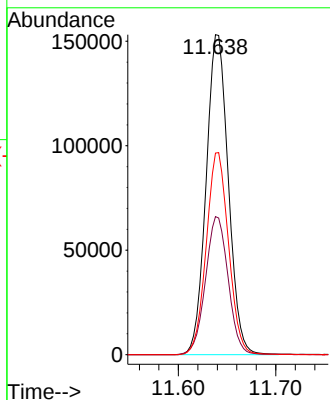
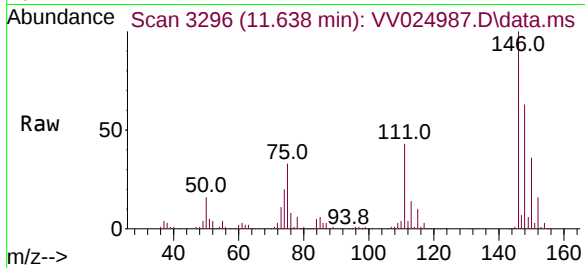




#67
1,2-Dichlorobenzene
Concen: 48.539 ug/L
RT: 11.638 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV024987.D
Acq: 14 Mar 2022 15:14

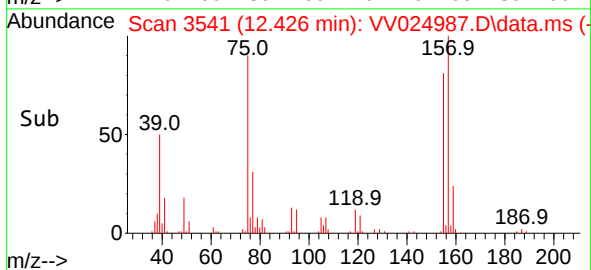
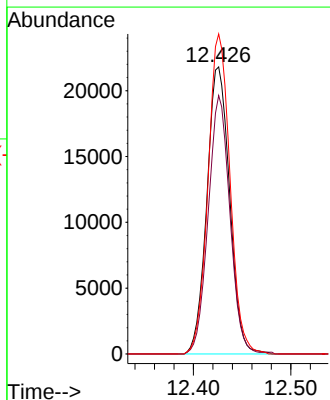
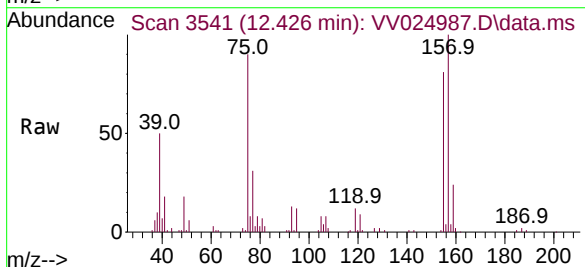
Instrument :
MSVOA_V
ClientSampleId :
VSTD050290

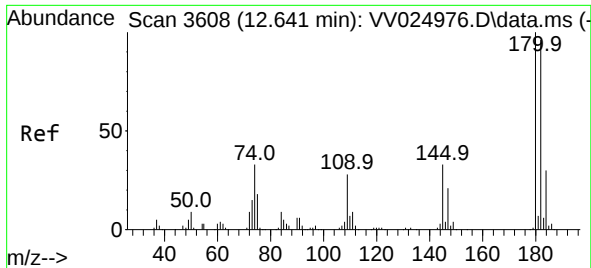
Tgt Ion:146 Resp: 242437
Ion Ratio Lower Upper
146 100
111 43.1 34.9 52.3
148 63.0 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 49.746 ug/L
RT: 12.426 min Scan# 3541
Delta R.T. 0.003 min
Lab File: VV024987.D
Acq: 14 Mar 2022 15:14

Tgt Ion: 75 Resp: 35387
Ion Ratio Lower Upper
75 100
155 90.0 63.8 95.8
157 111.5 79.3 118.9

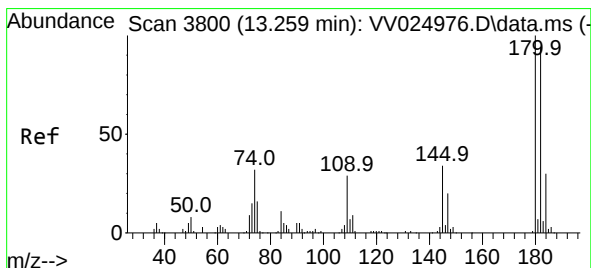
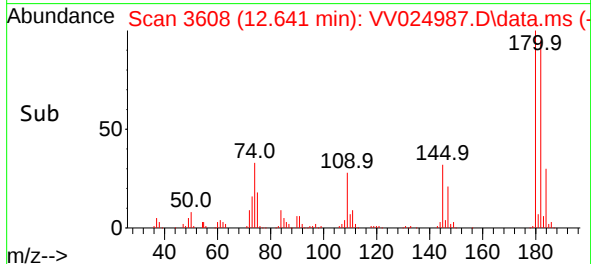
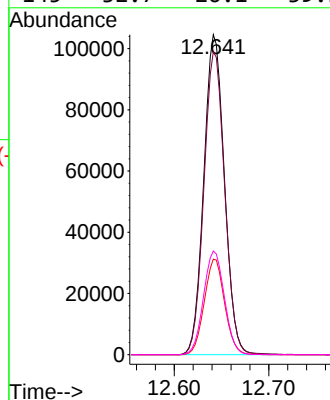
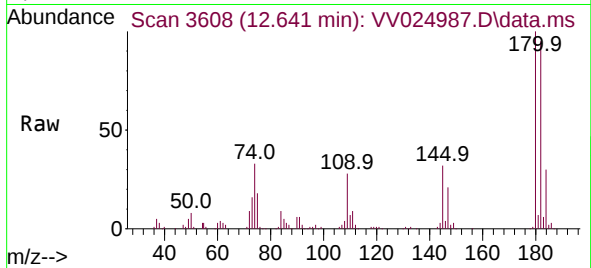




#69
1,3,5-Trichlorobenzene
Concen: 47.295 ug/L
RT: 12.641 min Scan# 3608
Delta R.T. 0.000 min
Lab File: VV024987.D
Acq: 14 Mar 2022 15:14

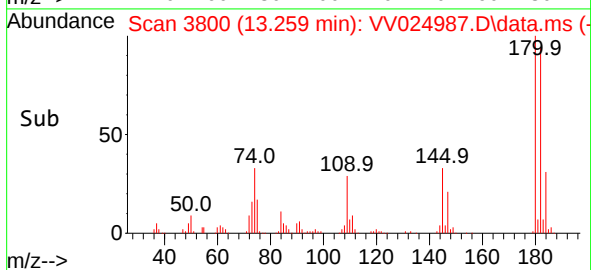
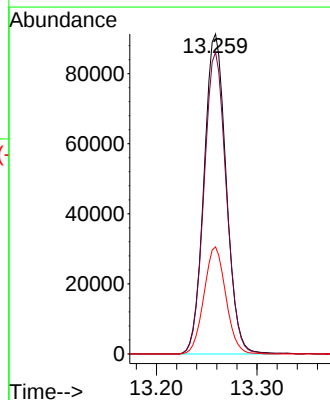
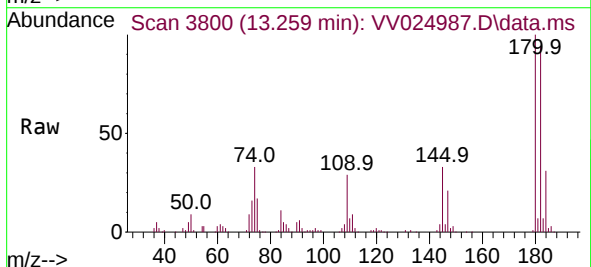
Instrument :
MSVOA_V
ClientSampleId :
VSTD050290

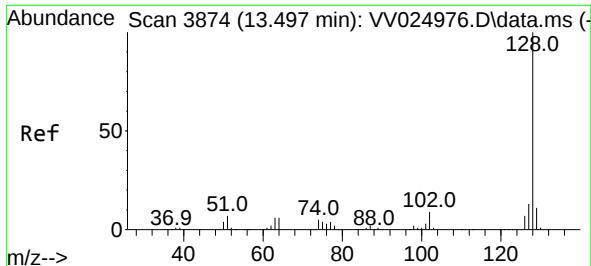
Tgt Ion:180	Resp:	158438
Ion Ratio	Lower	Upper
180	100	
182	95.4	75.1 112.7
184	29.5	23.9 35.9
145	32.7	26.1 39.1



#70
1,2,4-trichlorobenzene
Concen: 47.923 ug/L
RT: 13.259 min Scan# 3800
Delta R.T. 0.000 min
Lab File: VV024987.D
Acq: 14 Mar 2022 15:14

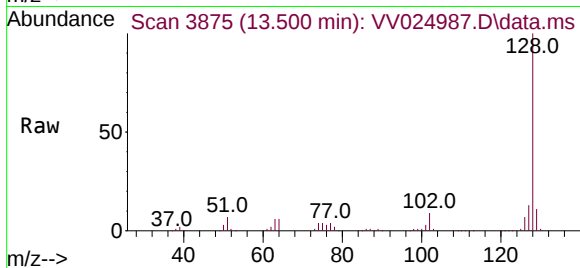
Tgt Ion:180	Resp:	139877
Ion Ratio	Lower	Upper
180	100	
182	94.8	76.0 114.0
145	33.0	27.6 41.4



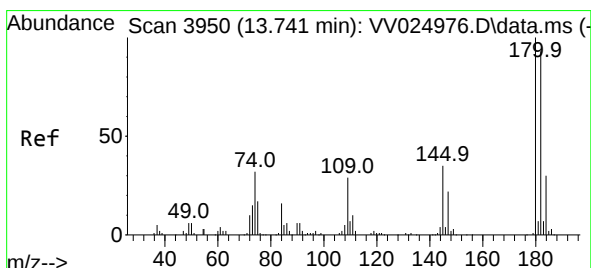
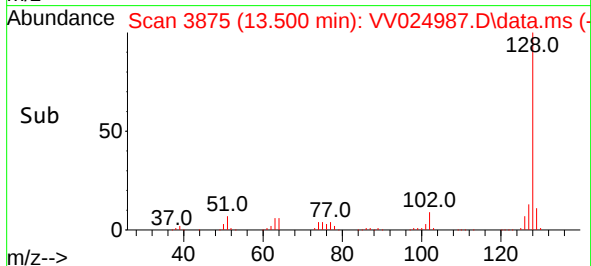
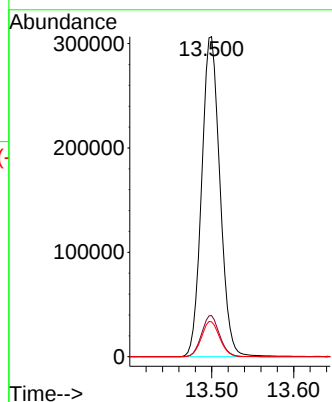


#71
Naphthalene
Concen: 50.100 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. 0.003 min
Lab File: VV024987.D
Acq: 14 Mar 2022 15:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD050290



Tgt Ion:128 Resp: 473787
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 10.9 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 50.070 ug/L
RT: 13.741 min Scan# 3950
Delta R.T. 0.000 min
Lab File: VV024987.D
Acq: 14 Mar 2022 15:14

Tgt Ion:180 Resp: 144110
Ion Ratio Lower Upper
180 100
182 94.3 75.9 113.9
145 35.0 28.7 43.1

