

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042022\
 Data File : VW025637.D
 Acq On : 20 Apr 2022 09:40
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005386

Quant Time: Apr 21 06:33:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR040822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 20 02:46:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	172621	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	179205	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	97710	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.310	65	66396	4.137	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.800%
7) Chloroethane-d5	1.571	69	63339	3.710	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.200%
11) 1,1-Dichloroethene-d2	2.111	63	142932	4.446	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.000%
20) 2-Butanone-d5	3.889	46	103359	52.946	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.900%
24) Chloroform-d	4.346	84	120491	4.968	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.400%
26) 1,2-Dichloroethane-d4	5.031	65	54378	5.204	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.000%
32) Benzene-d6	5.047	84	234329	4.519	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
36) 1,2-Dichloropropane-d6	6.066	67	69123	4.780	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.600%
41) Toluene-d8	7.310	98	214958	4.467	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
43) trans-1,3-Dichloroprop...	7.619	79	22577	4.645	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.000%
46) 2-Hexanone-d5	8.085	63	77471	45.415	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.840%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	41627	4.556	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	73036	4.458	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.134	85	64353	4.127	ug/L	99
3) Chloromethane	1.243	50	82807	4.887	ug/L	96
5) Vinyl chloride	1.314	62	87876	4.589	ug/L	100
6) Bromomethane	1.526	94	52743	3.820	ug/L	99
8) Chloroethane	1.587	64	59264	4.010	ug/L	99
9) Trichlorofluoromethane	1.754	101	130302	4.845	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	72228	4.780	ug/L	98
12) 1,1-Dichloroethene	2.121	96	67568	4.513	ug/L	87
13) Acetone	2.188	43	71449	53.923	ug/L	93
14) Carbon disulfide	2.298	76	145377	4.056	ug/L	99
15) Methyl Acetate	2.442	43	15704	5.333	ug/L	91
16) Methylene chloride	2.507	84	59590	4.105	ug/L	98
17) Methyl tert-butyl Ether	2.767	73	104130	4.495	ug/L	97
18) trans-1,2-Dichloroethene	2.761	96	56088	4.471	ug/L	97
19) 1,1-Dichloroethane	3.188	63	106012	4.989	ug/L	98
21) 2-Butanone	3.979	43	93954	51.316	ug/L	95
22) cis-1,2-Dichloroethene	3.908	96	60502	4.581	ug/L	95
23) Bromochloromethane	4.246	128	25138	4.584	ug/L	95
25) Chloroform	4.371	83	115521	5.150	ug/L	96

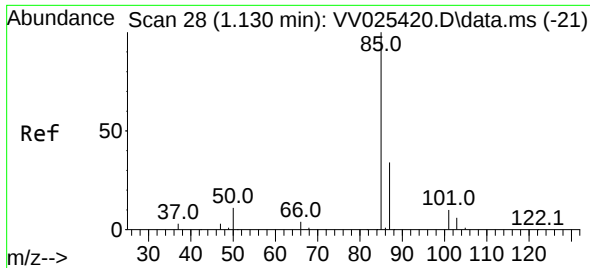
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042022\
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 20 02:46:45 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	63173	5.338	ug/L	99
29) 1,1,1-Trichloroethane	4.603	97	98394	4.655	ug/L	99
30) Cyclohexane	4.674	56	74407	3.872	ug/L	99
31) Carbon tetrachloride	4.825	117	82449	4.612	ug/L	100
33) Benzene	5.095	78	238633	4.508	ug/L	100
34) Trichloroethene	5.912	95	62650	4.457	ug/L	99
35) Methylcyclohexane	6.127	83	88859	3.962	ug/L	97
37) 1,2-Dichloropropane	6.169	63	58998	4.818	ug/L	99
38) Bromodichloromethane	6.506	83	74007	4.868	ug/L	99
39) cis-1,3-Dichloropropene	7.024	75	72989	4.548	ug/L	97
40) 4-Methyl-2-pentanone	7.223	43	253088	51.613	ug/L	95
42) Toluene	7.384	91	259998	4.515	ug/L	100
44) trans-1,3-Dichloropropene	7.648	75	58620	4.701	ug/L	96
45) 1,1,2-Trichloroethane	7.834	97	38751	4.725	ug/L	99
47) Tetrachloroethene	7.973	164	46521	4.228	ug/L	97
48) 2-Hexanone	8.137	43	186630	54.614	ug/L	94
49) Dibromochloromethane	8.243	129	45402	5.043	ug/L	97
50) 1,2-Dibromoethane	8.349	107	33283	4.321	ug/L	98
51) Chlorobenzene	8.876	112	164591	4.476	ug/L	99
52) Ethylbenzene	9.008	91	262986	4.282	ug/L	98
53) m,p-Xylene	9.133	106	103526	4.433	ug/L	98
54) o-Xylene	9.542	106	96671	4.262	ug/L	100
55) Styrene	9.558	104	170955	4.636	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	36638	4.471	ug/L	97
59) Bromoform	9.728	173	19656	4.873	ug/L	97
60) Isopropylbenzene	9.928	105	262617	4.342	ug/L	99
61) 1,2,3-Trichloropropane	10.268	75	30803	4.787	ug/L	97
62) 1,3,5-Trimethylbenzene	10.535	105	108238	4.013	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	204079	4.200	ug/L	98
64) 1,3-Dichlorobenzene	11.178	146	122286	4.331	ug/L	99
65) 1,4-Dichlorobenzene	11.268	146	123434	4.307	ug/L	97
67) 1,2-Dichlorobenzene	11.638	146	110747	4.429	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	5177	4.653	ug/L	95
69) 1,3,5-Trichlorobenzene	12.641	180	87390	4.068	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	64799	3.913	ug/L	98
71) Naphthalene	13.500	128	88270	3.634	ug/L	99
72) 1,2,3-Trichlorobenzene	13.741	180	53818	3.925	ug/L	97

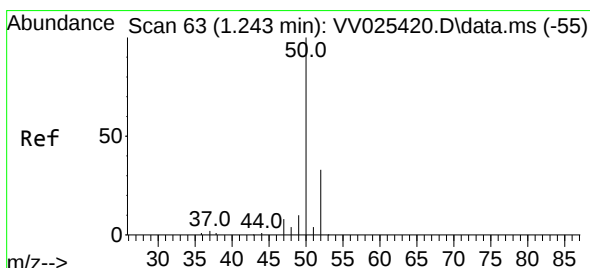
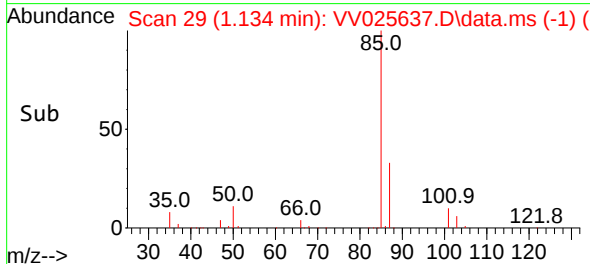
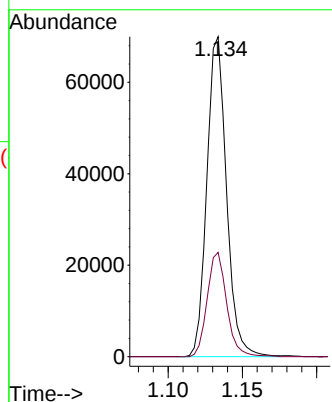
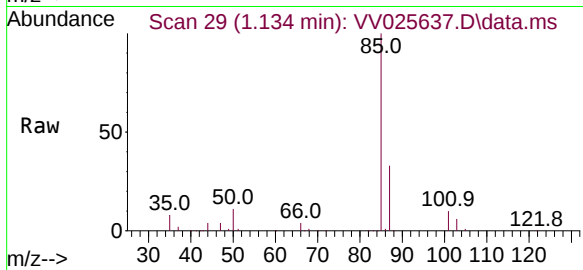
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#2
 Dichlorodifluoromethane
 Concen: 4.127 ug/L
 RT: 1.134 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VV025637.D
 Acq: 20 Apr 2022 09:40

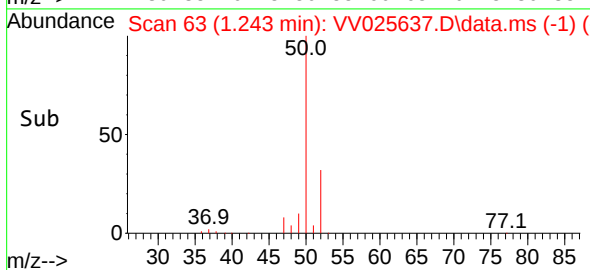
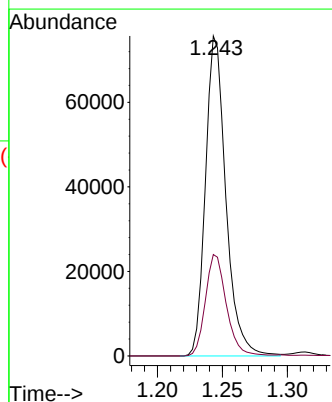
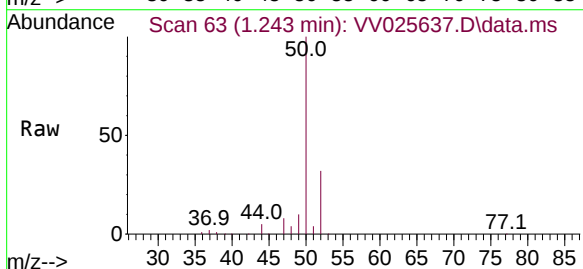
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005386

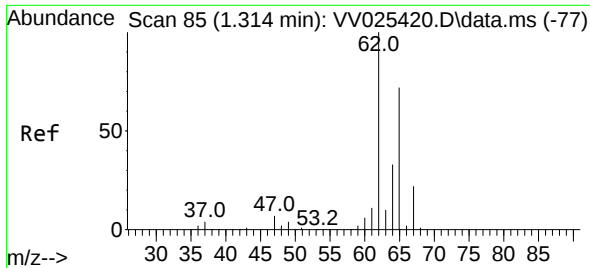
Tgt Ion: 85 Resp: 64353
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.6 38.4



#3
 Chloromethane
 Concen: 4.887 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.000 min
 Lab File: VV025637.D
 Acq: 20 Apr 2022 09:40

Tgt Ion: 50 Resp: 82807
 Ion Ratio Lower Upper
 50 100
 52 31.7 23.7 43.9

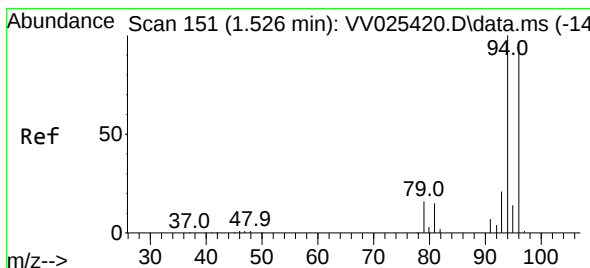
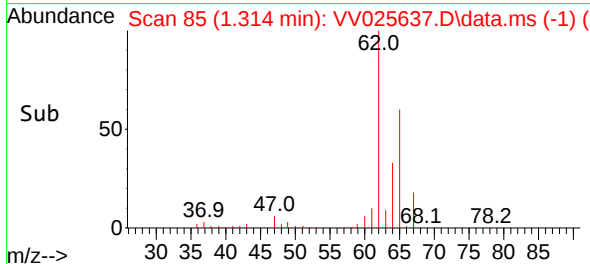
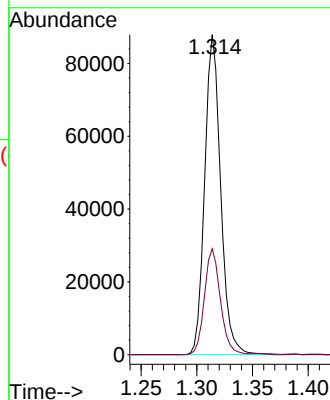
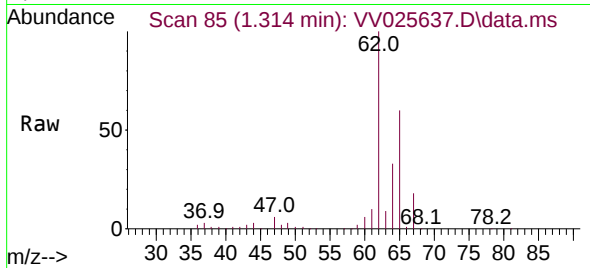




#5
 Vinyl chloride
 Concen: 4.589 ug/L
 RT: 1.314 min Scan# 85
 Delta R.T. 0.000 min
 Lab File: VV025637.D
 Acq: 20 Apr 2022 09:40

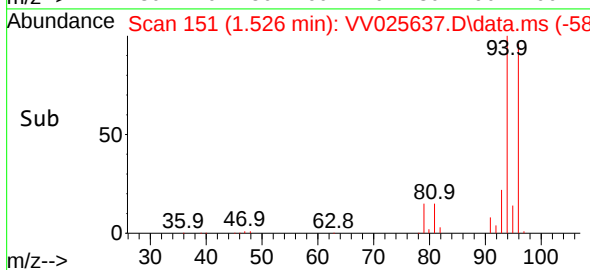
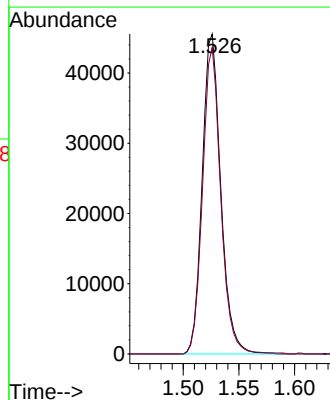
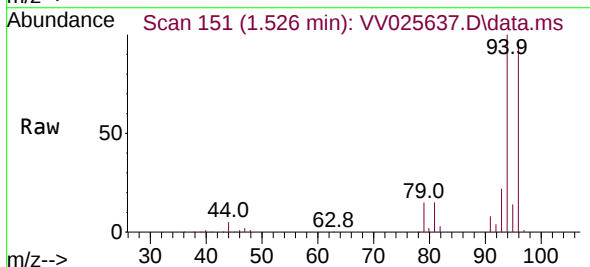
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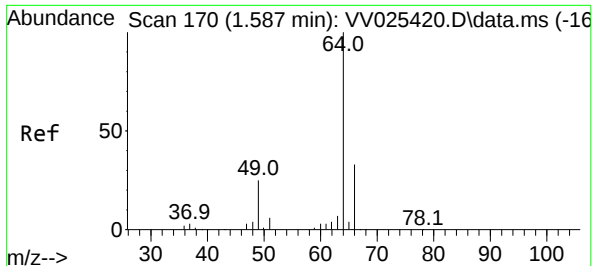
Tgt Ion: 62 Resp: 87876
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.2 43.2



#6
 Bromomethane
 Concen: 3.820 ug/L
 RT: 1.526 min Scan# 151
 Delta R.T. 0.000 min
 Lab File: VV025637.D
 Acq: 20 Apr 2022 09:40

Tgt Ion: 94 Resp: 52743
 Ion Ratio Lower Upper
 94 100
 96 95.8 66.1 122.7

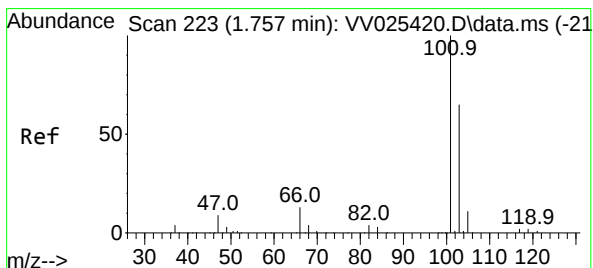
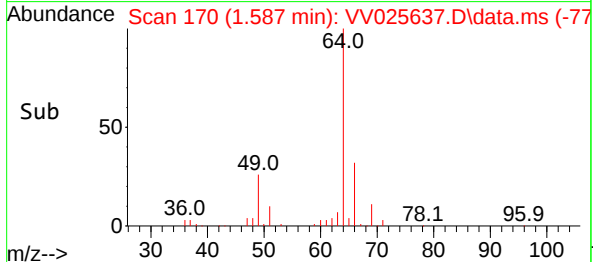
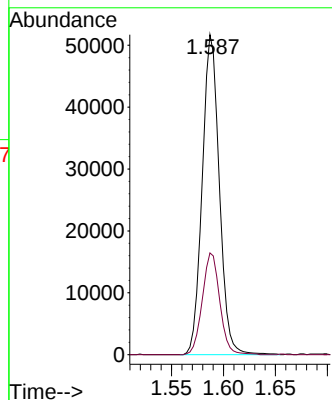
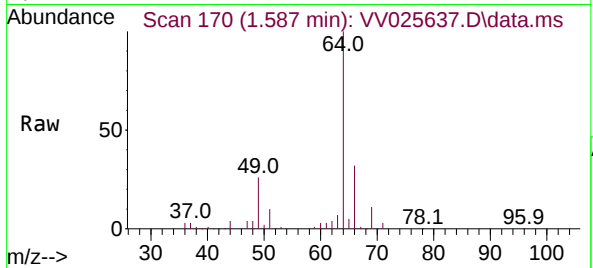




#8
Chloroethane
Concen: 4.010 ug/L
RT: 1.587 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV025637.D
Acq: 20 Apr 2022 09:40

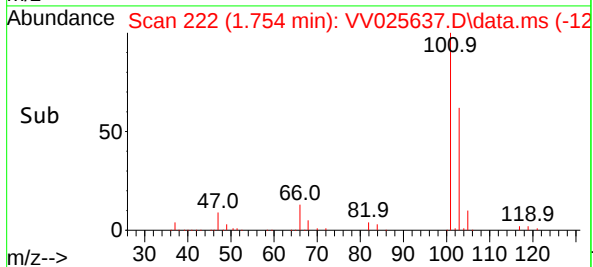
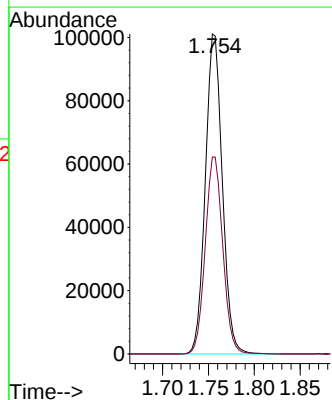
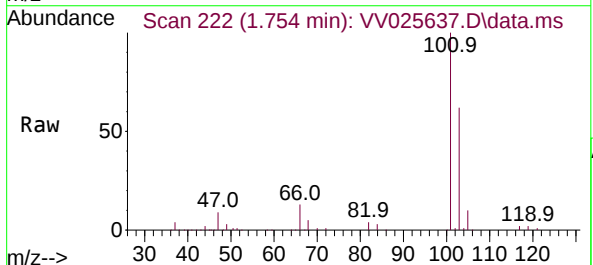
Instrument :
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ClientSampleId :
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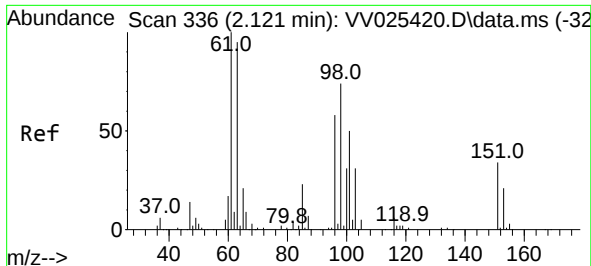
Tgt Ion: 64 Resp: 59264
Ion Ratio Lower Upper
64 100
66 31.8 21.8 40.6



#9
Trichlorofluoromethane
Concen: 4.845 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.000 min
Lab File: VV025637.D
Acq: 20 Apr 2022 09:40

Tgt Ion:101 Resp: 130302
Ion Ratio Lower Upper
101 100
103 63.6 51.9 77.9

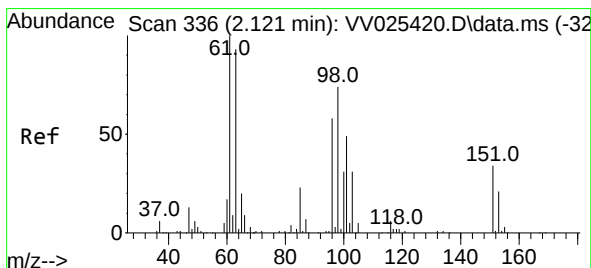
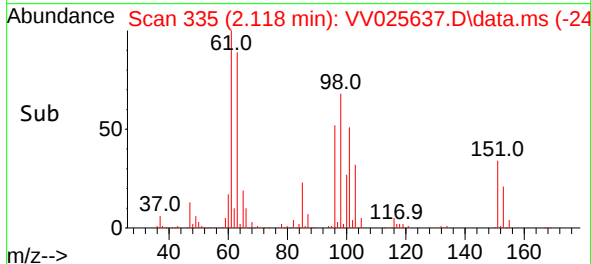
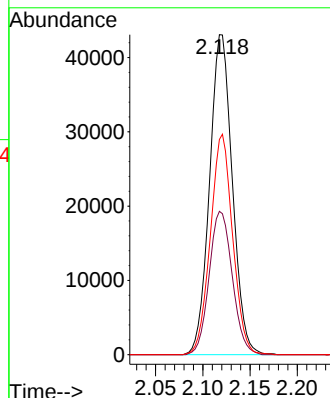
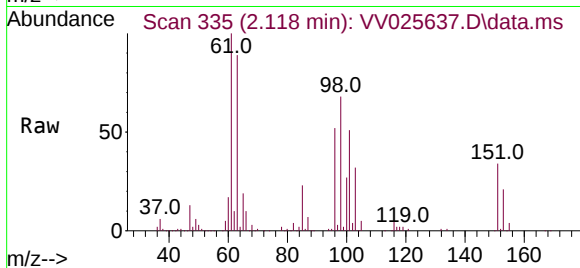




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.780 ug/L
 RT: 2.118 min Scan# 311
 Delta R.T. -0.003 min
 Lab File: VV025637.D
 Acq: 20 Apr 2022 09:40

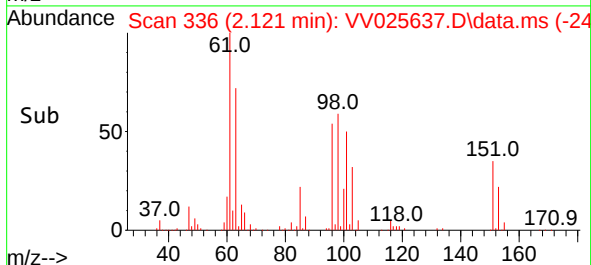
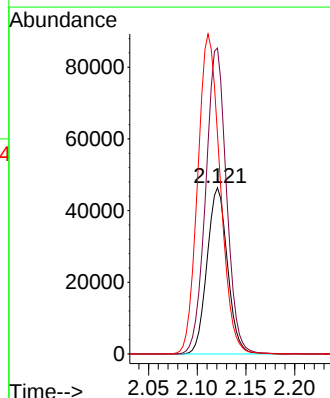
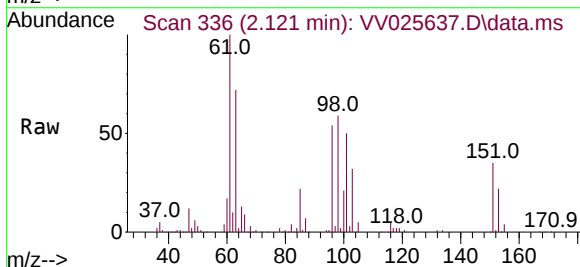
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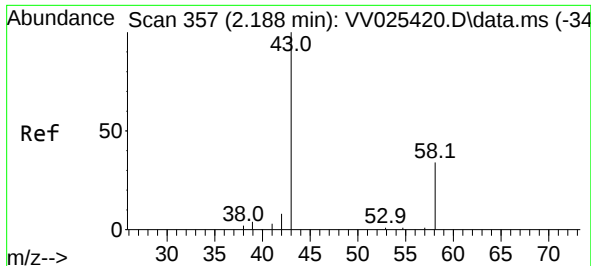
Tgt Ion:101 Resp: 72228
 Ion Ratio Lower Upper
 101 100
 85 45.4 35.9 53.9
 151 67.5 56.0 84.0



#12
 1,1-Dichloroethene
 Concen: 4.513 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. 0.000 min
 Lab File: VV025637.D
 Acq: 20 Apr 2022 09:40

Tgt Ion: 96 Resp: 67568
 Ion Ratio Lower Upper
 96 100
 61 184.0 125.2 232.4
 63 132.1 114.4 212.4





#13

Acetone

Concen: 53.923 ug/L

RT: 2.188 min Scan# 357

Delta R.T. 0.003 min

Lab File: VV025637.D

Acq: 20 Apr 2022 09:40

Instrument :

MSVOA_V

ClientSampleId :

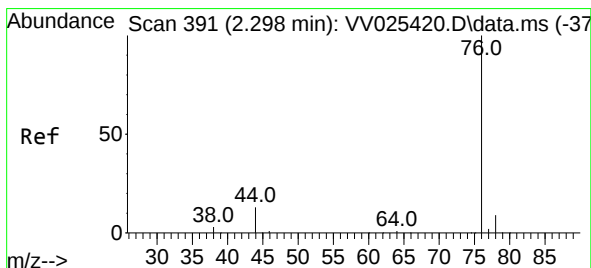
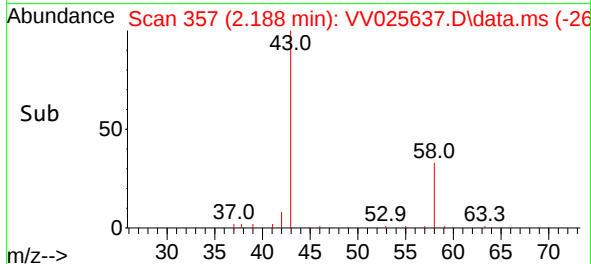
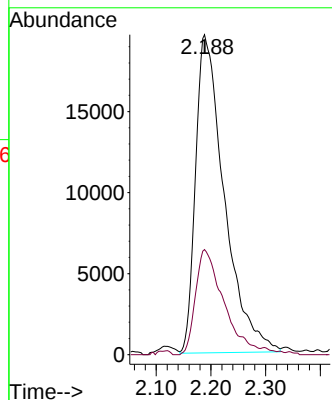
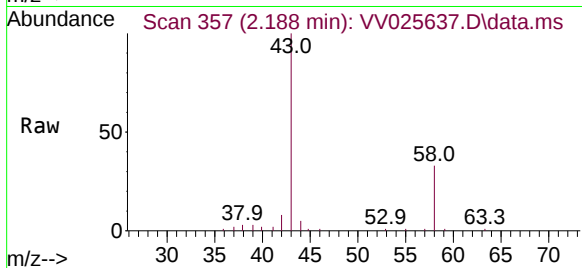
VSTD005386

Tgt Ion: 43 Resp: 71449

Ion Ratio Lower Upper

43 100

58 32.2 0.0 72.2



#14

Carbon disulfide

Concen: 4.056 ug/L

RT: 2.298 min Scan# 391

Delta R.T. 0.000 min

Lab File: VV025637.D

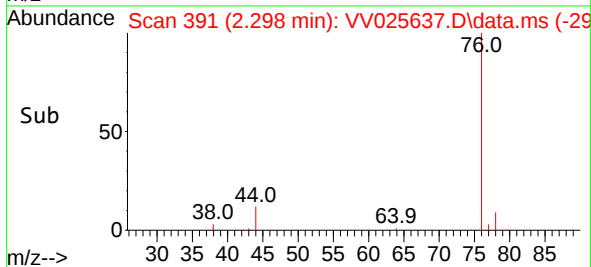
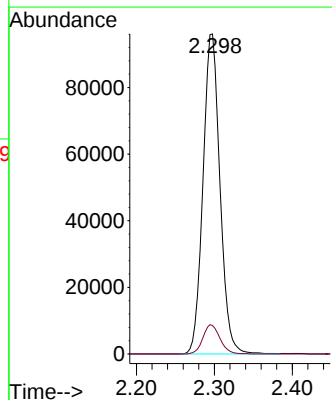
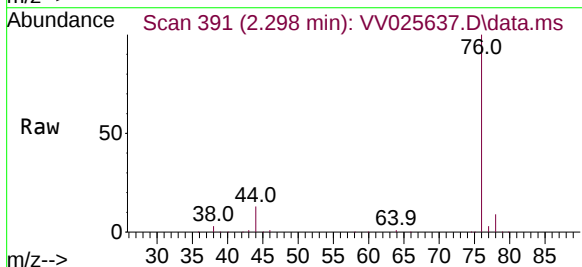
Acq: 20 Apr 2022 09:40

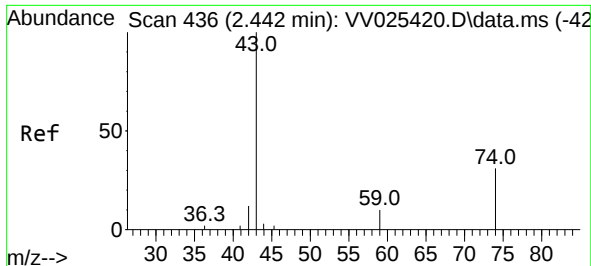
Tgt Ion: 76 Resp: 145377

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

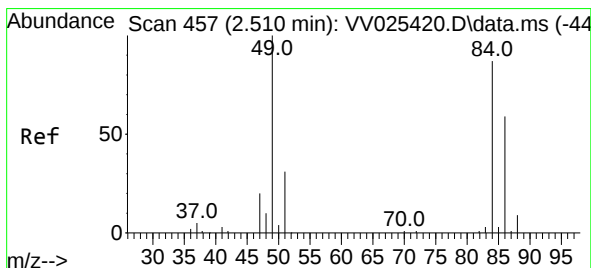
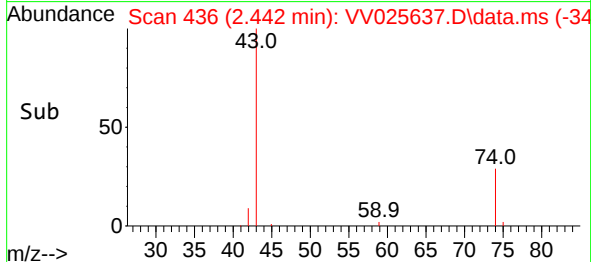
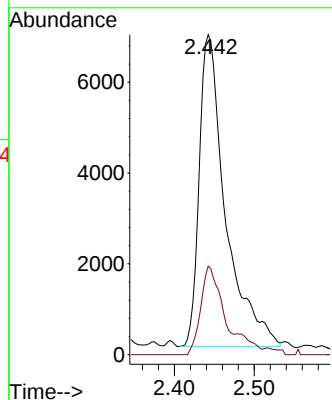
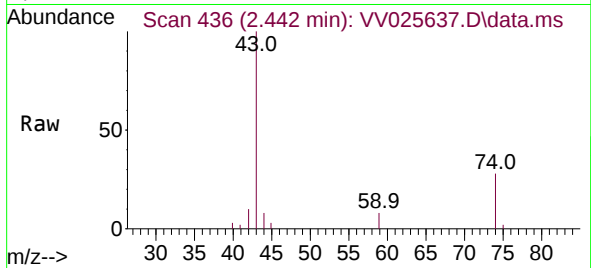




#15
Methyl Acetate
Concen: 5.333 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV025637.D
Acq: 20 Apr 2022 09:40

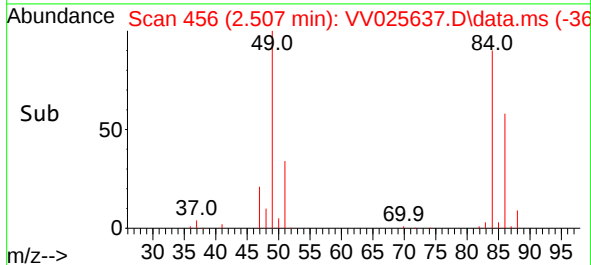
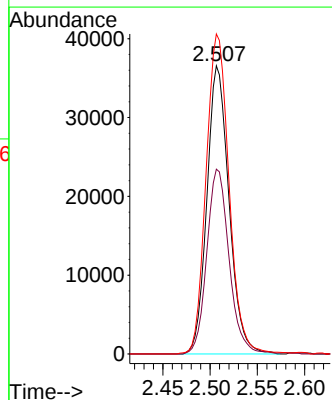
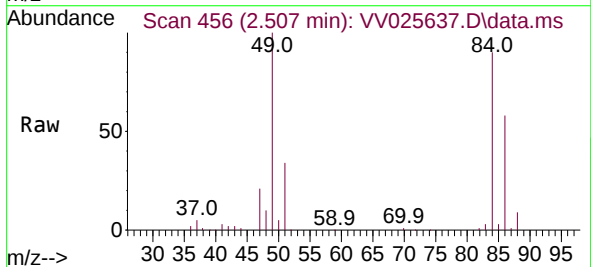
Instrument :
MSVOA_V
ClientSampleId :
VSTD005386

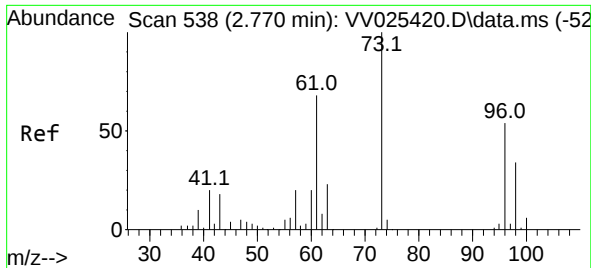
Tgt Ion: 43 Resp: 15704
Ion Ratio Lower Upper
43 100
74 26.8 25.2 37.8



#16
Methylene chloride
Concen: 4.105 ug/L
RT: 2.507 min Scan# 456
Delta R.T. 0.000 min
Lab File: VV025637.D
Acq: 20 Apr 2022 09:40

Tgt Ion: 84 Resp: 59590
Ion Ratio Lower Upper
84 100
86 64.1 45.9 85.3
49 111.0 76.6 142.3

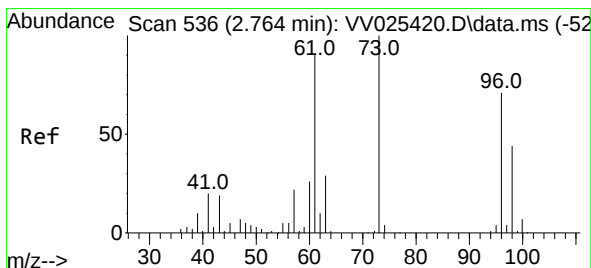
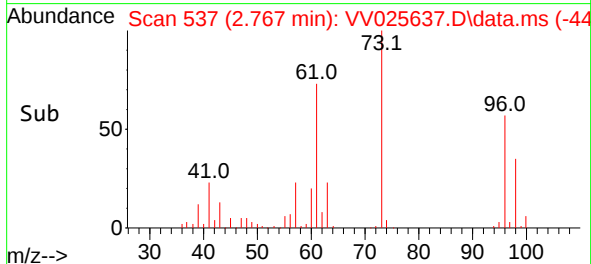
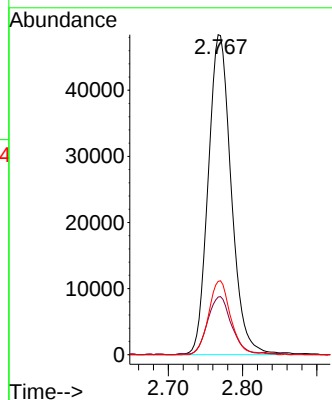
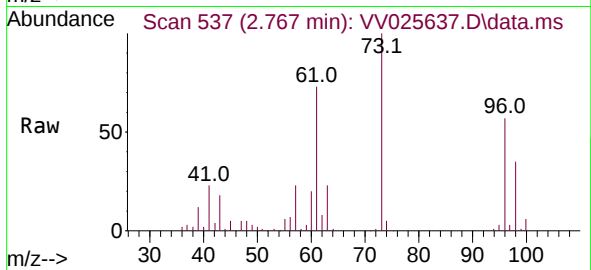




#17
Methyl tert-butyl Ether
Concen: 4.495 ug/L
RT: 2.767 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV025637.D
Acq: 20 Apr 2022 09:40

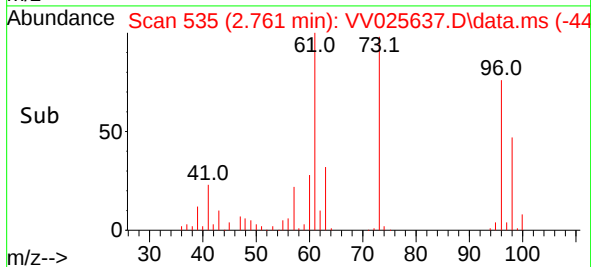
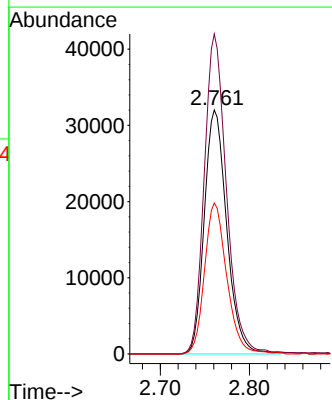
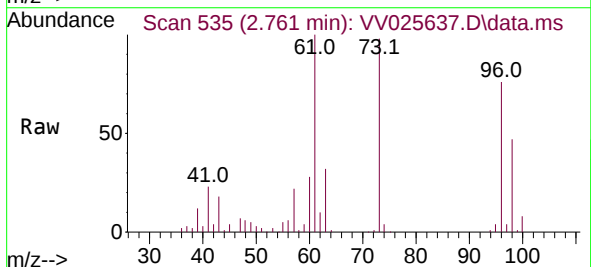
Instrument :
MSVOA_V
ClientSampleId :
VSTD005386

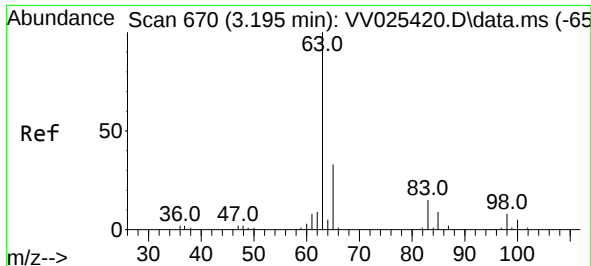
Tgt Ion: 73 Resp: 104130
Ion Ratio Lower Upper
73 100
43 18.2 14.2 21.4
57 22.4 16.1 24.1



#18
trans-1,2-Dichloroethene
Concen: 4.471 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.000 min
Lab File: VV025637.D
Acq: 20 Apr 2022 09:40

Tgt Ion: 96 Resp: 56088
Ion Ratio Lower Upper
96 100
61 131.1 92.1 171.1
98 61.9 47.5 88.1





#19

1,1-Dichloroethane

Concen: 4.989 ug/L

RT: 3.188 min Scan# 61

Delta R.T. 0.000 min

Lab File: VV025637.D

Acq: 20 Apr 2022 09:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005386

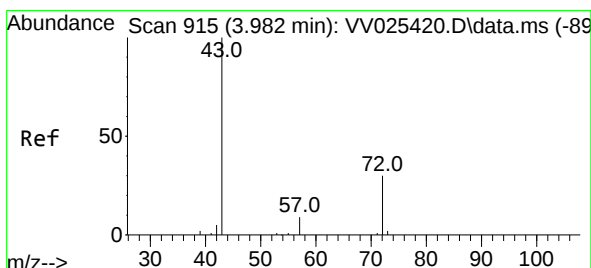
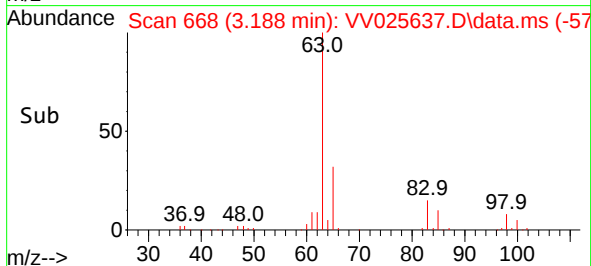
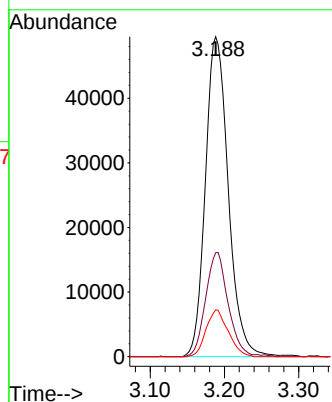
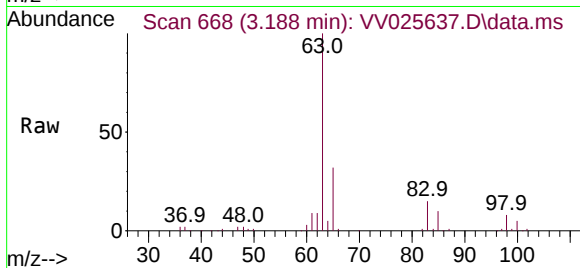
Tgt Ion: 63 Resp: 106012

Ion Ratio Lower Upper

63 100

65 32.5 23.2 43.0

83 14.7 9.0 16.8



#21

2-Butanone

Concen: 51.316 ug/L

RT: 3.979 min Scan# 914

Delta R.T. 0.007 min

Lab File: VV025637.D

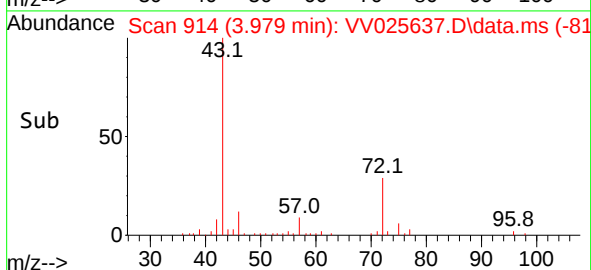
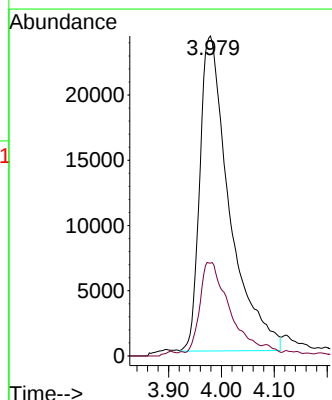
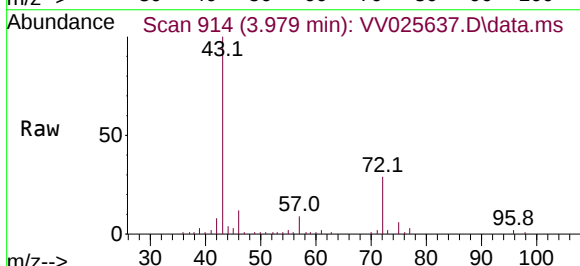
Acq: 20 Apr 2022 09:40

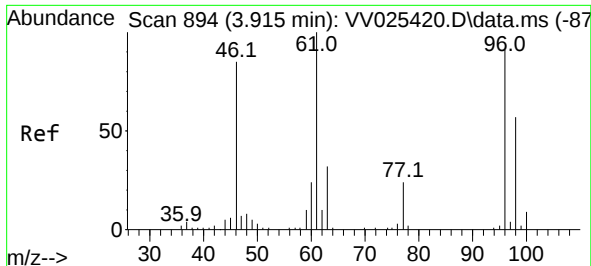
Tgt Ion: 43 Resp: 93954

Ion Ratio Lower Upper

43 100

72 27.9 15.2 45.6

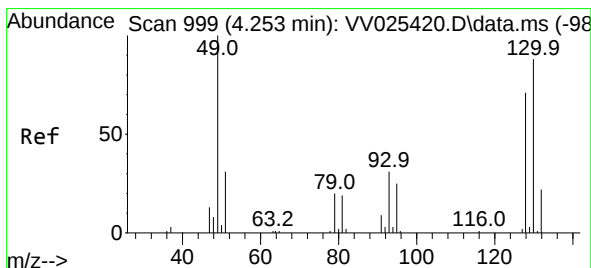
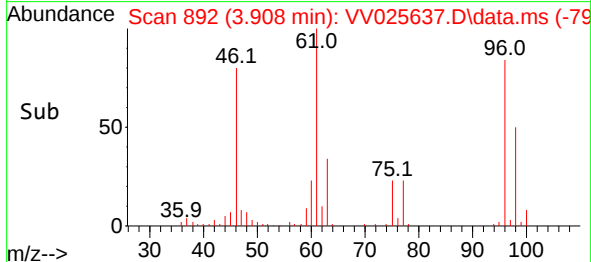
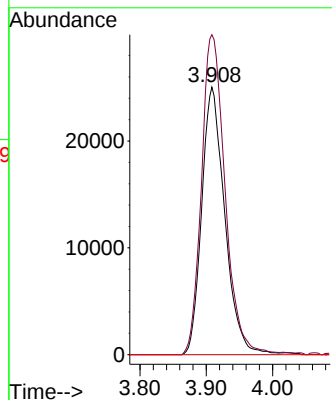
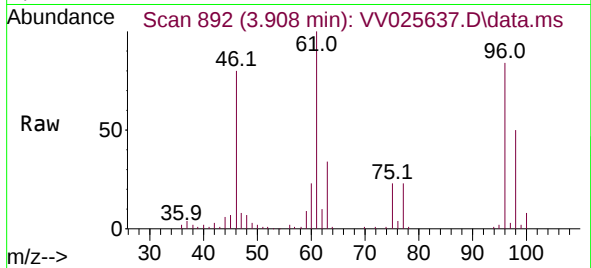




#22
 cis-1,2-Dichloroethene
 Concen: 4.581 ug/L
 RT: 3.908 min Scan# 894
 Delta R.T. 0.000 min
 Lab File: VV025637.D
 Acq: 20 Apr 2022 09:40

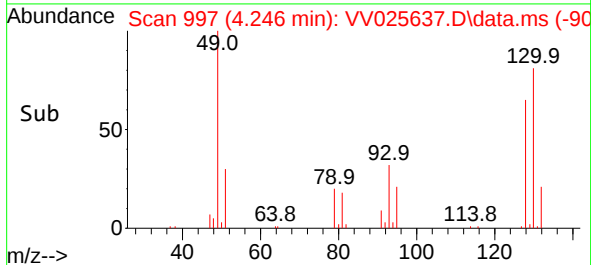
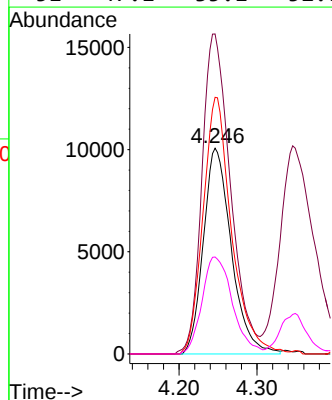
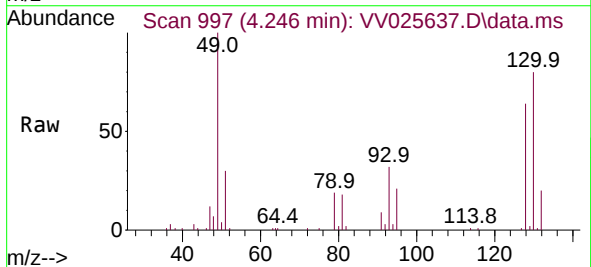
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005386

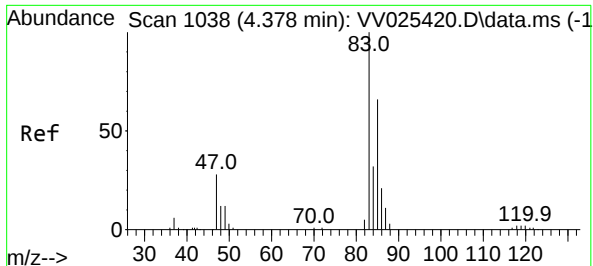
Tgt Ion: 96 Resp: 60502
 Ion Ratio Lower Upper
 96 100
 61 119.6 80.0 148.6
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.584 ug/L
 RT: 4.246 min Scan# 997
 Delta R.T. 0.000 min
 Lab File: VV025637.D
 Acq: 20 Apr 2022 09:40

Tgt Ion: 128 Resp: 25138
 Ion Ratio Lower Upper
 128 100
 49 155.5 100.5 186.7
 130 124.7 87.8 163.0
 51 47.1 35.1 52.7





#25

Chloroform

Concen: 5.150 ug/L

RT: 4.371 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV025637.D

Acq: 20 Apr 2022 09:40

Instrument :

MSVOA_V

ClientSampleId :

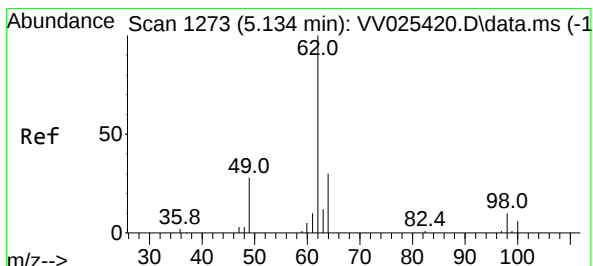
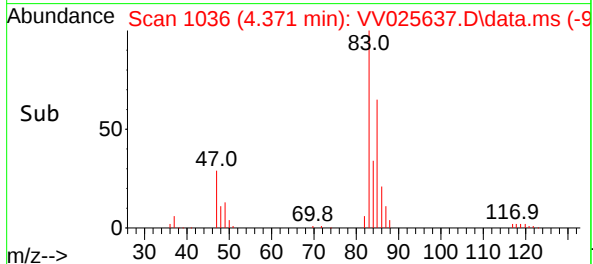
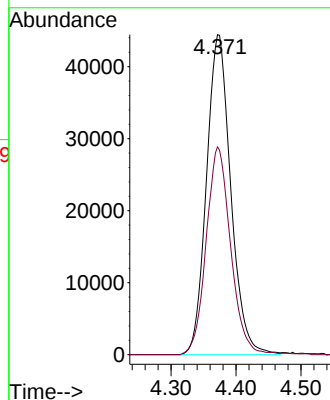
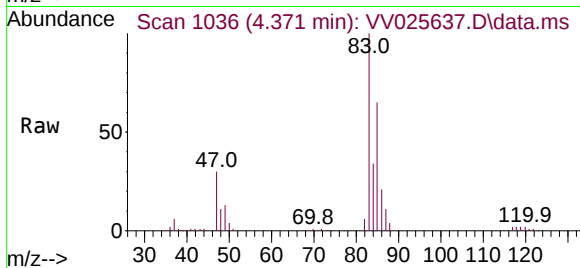
VSTD005386

Tgt Ion: 83 Resp: 115521

Ion Ratio Lower Upper

83 100

85 65.0 43.5 80.7



#27

1,2-Dichloroethane

Concen: 5.338 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. 0.000 min

Lab File: VV025637.D

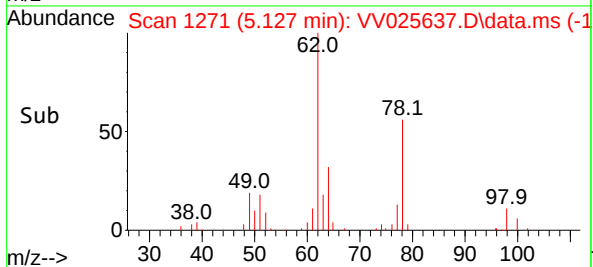
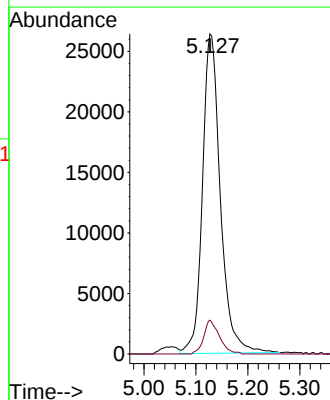
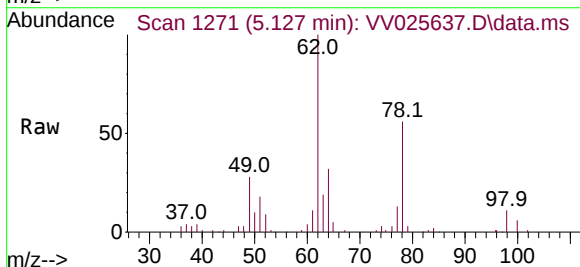
Acq: 20 Apr 2022 09:40

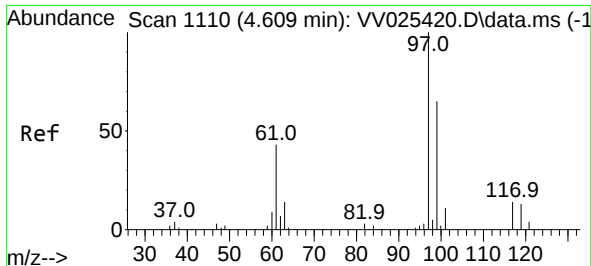
Tgt Ion: 62 Resp: 63173

Ion Ratio Lower Upper

62 100

98 10.6 8.8 13.2





#29

1,1,1-Trichloroethane

Concen: 4.655 ug/L

RT: 4.603 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VV025637.D

Acq: 20 Apr 2022 09:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005386

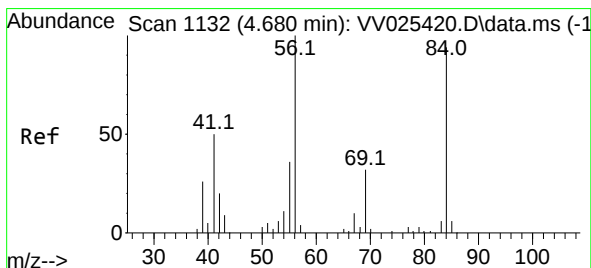
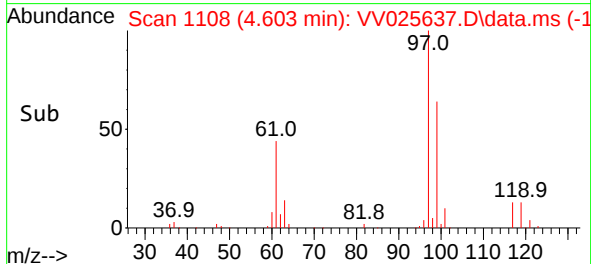
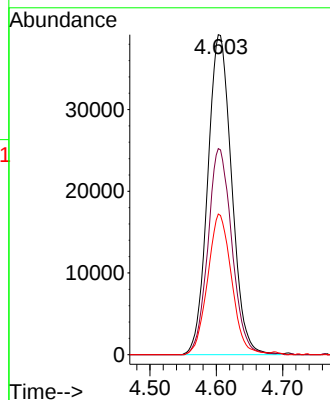
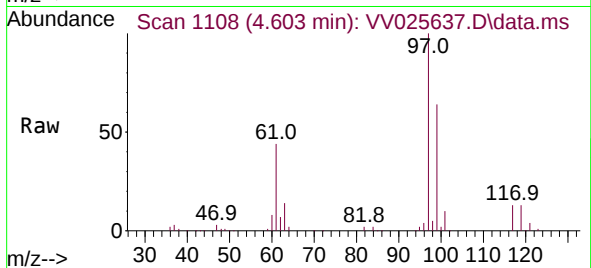
Tgt Ion: 97 Resp: 98394

Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

61 43.9 34.3 51.5



#30

Cyclohexane

Concen: 3.872 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VV025637.D

Acq: 20 Apr 2022 09:40

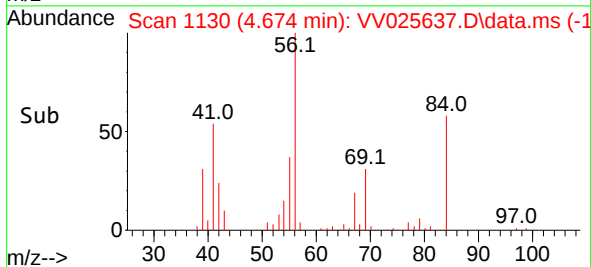
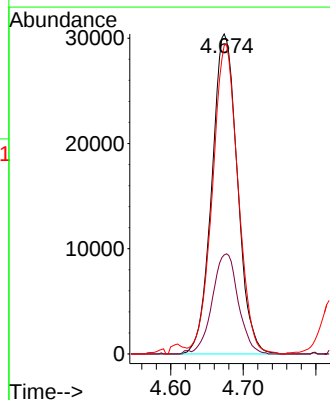
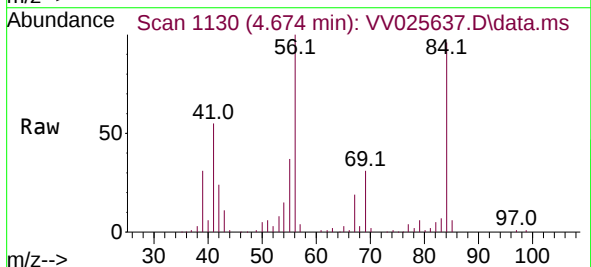
Tgt Ion: 56 Resp: 74407

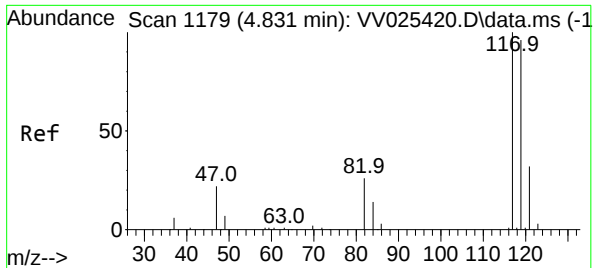
Ion Ratio Lower Upper

56 100

69 31.6 26.1 39.1

84 97.0 78.6 118.0

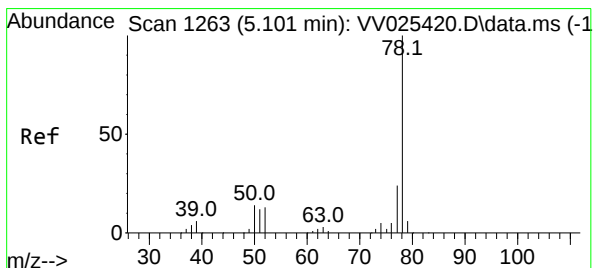
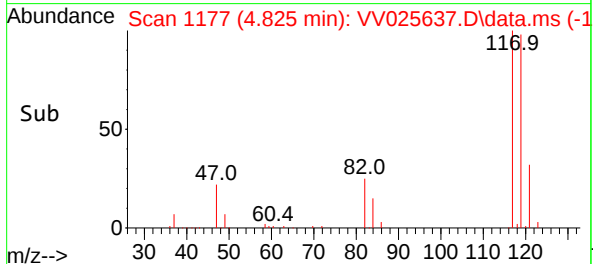
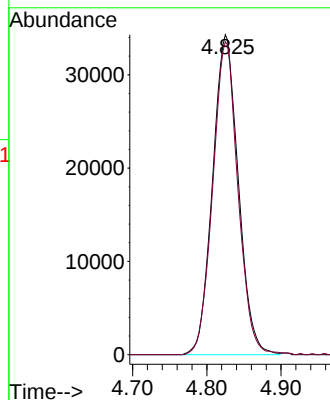
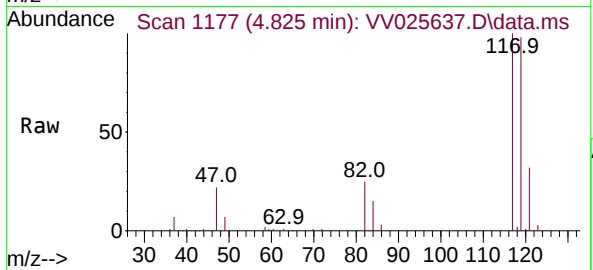




#31
Carbon tetrachloride
Concen: 4.612 ug/L
RT: 4.825 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VV025637.D
Acq: 20 Apr 2022 09:40

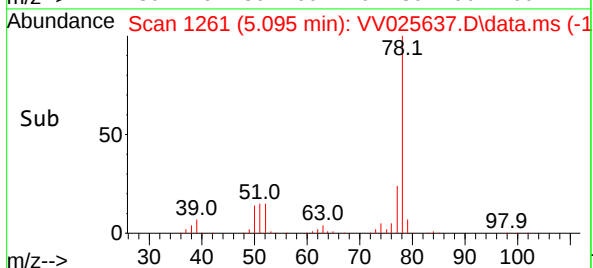
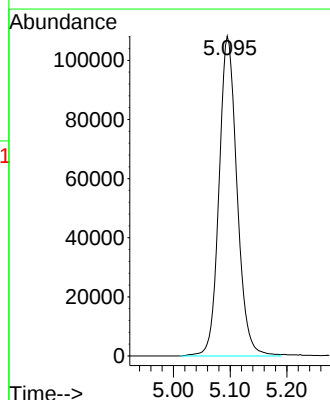
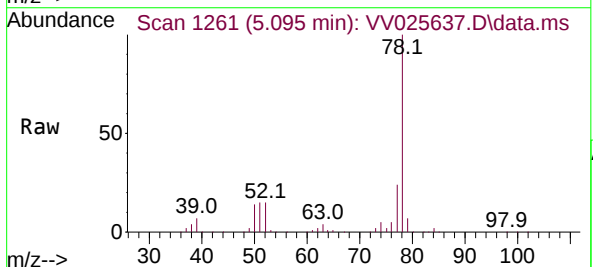
Instrument :
MSVOA_V
ClientSampleId :
VSTD005386

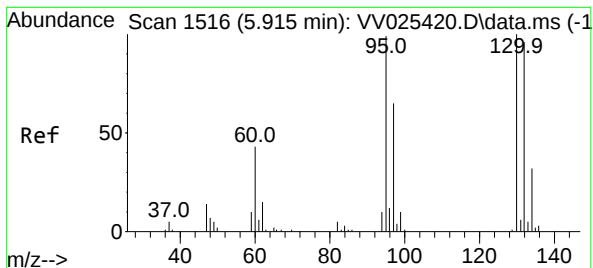
Tgt Ion:117 Resp: 82449
Ion Ratio Lower Upper
117 100
119 95.9 76.6 114.8



#33
Benzene
Concen: 4.508 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VV025637.D
Acq: 20 Apr 2022 09:40

Tgt Ion: 78 Resp: 238633





#34

Trichloroethene

Concen: 4.457 ug/L

RT: 5.912 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV025637.D

Acq: 20 Apr 2022 09:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005386

Tgt Ion: 95 Resp: 62650

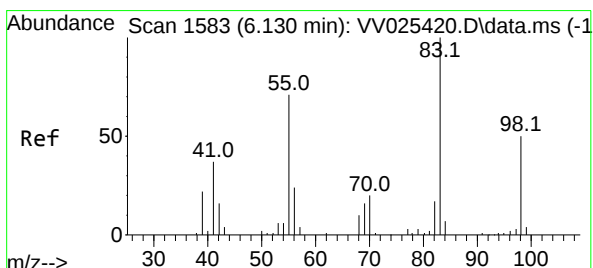
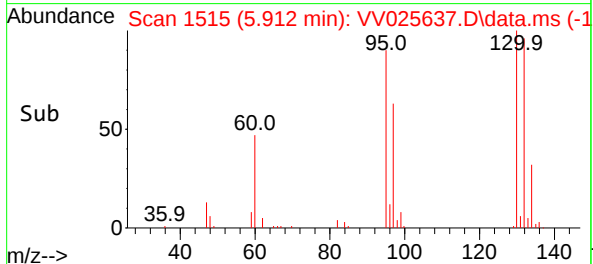
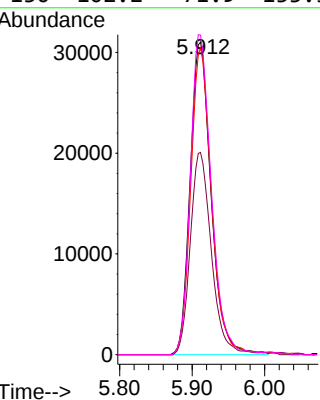
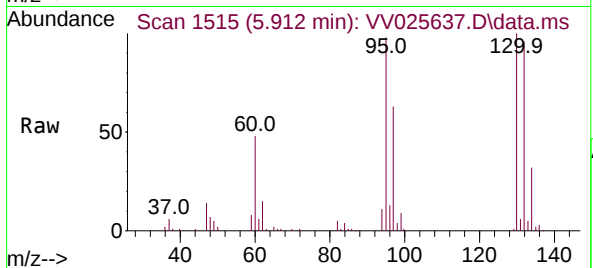
Ion Ratio Lower Upper

95 100

97 64.7 45.8 85.2

132 98.2 68.0 126.4

130 102.2 71.9 133.5



#35

Methylcyclohexane

Concen: 3.962 ug/L

RT: 6.127 min Scan# 1582

Delta R.T. 0.000 min

Lab File: VV025637.D

Acq: 20 Apr 2022 09:40

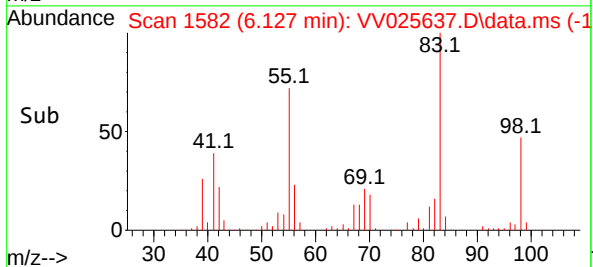
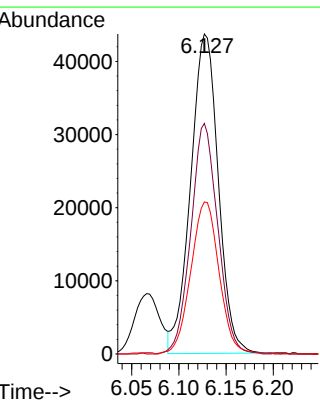
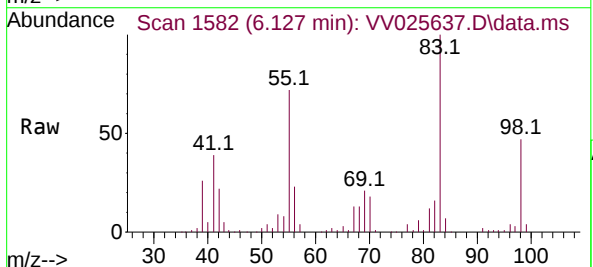
Tgt Ion: 83 Resp: 88859

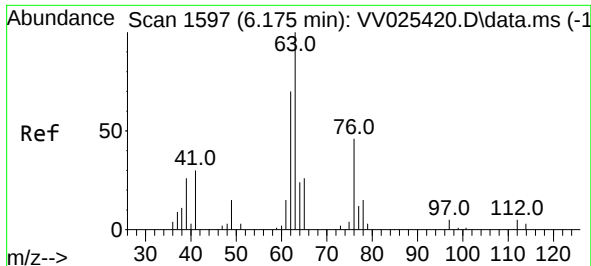
Ion Ratio Lower Upper

83 100

55 70.5 53.7 80.5

98 48.6 39.6 59.4





#37

1,2-Dichloropropane

Concen: 4.818 ug/L

RT: 6.169 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV025637.D

Acq: 20 Apr 2022 09:40

Instrument :

MSVOA_V

ClientSampleId :

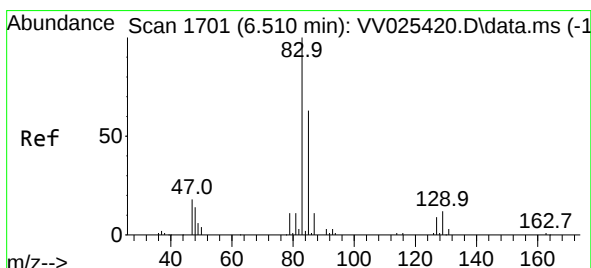
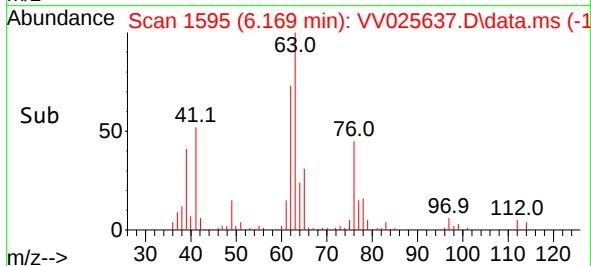
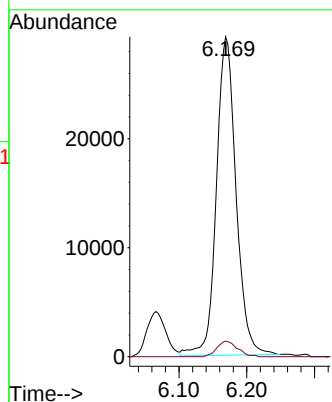
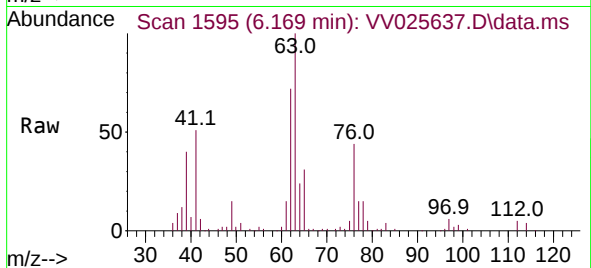
VSTD005386

Tgt Ion: 63 Resp: 58998

Ion Ratio Lower Upper

63 100

112 5.1 3.8 5.8



#38

Bromodichloromethane

Concen: 4.868 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VV025637.D

Acq: 20 Apr 2022 09:40

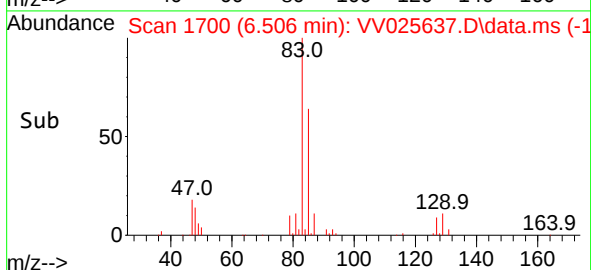
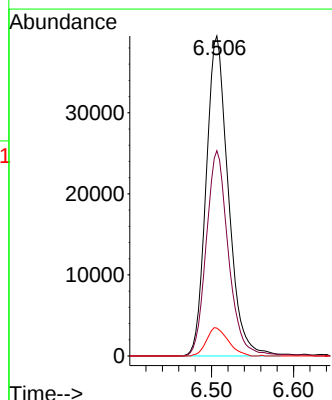
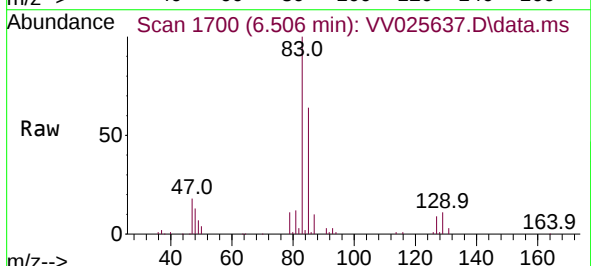
Tgt Ion: 83 Resp: 74007

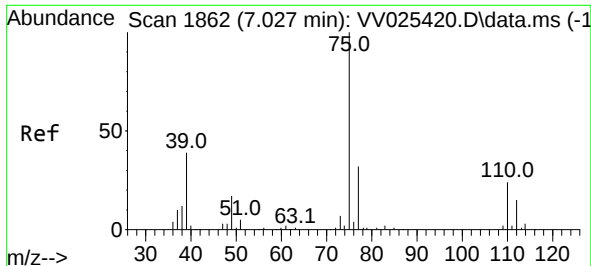
Ion Ratio Lower Upper

83 100

85 64.2 44.4 82.4

127 8.7 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.548 ug/L

RT: 7.024 min Scan# 1862

Delta R.T. 0.000 min

Lab File: VV025637.D

Acq: 20 Apr 2022 09:40

Instrument :

MSVOA_V

ClientSampleId :

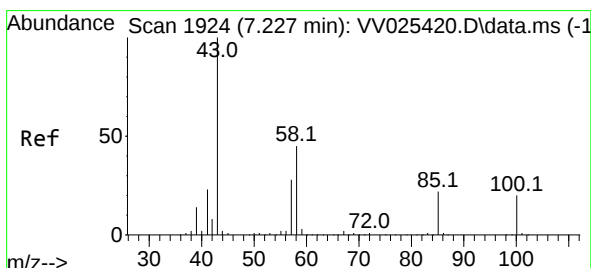
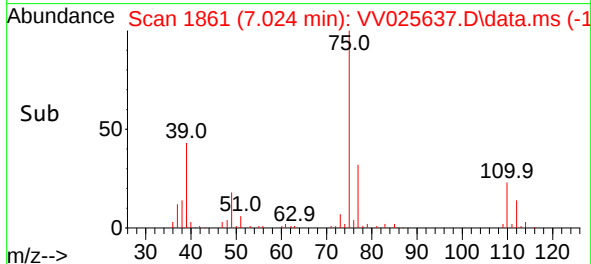
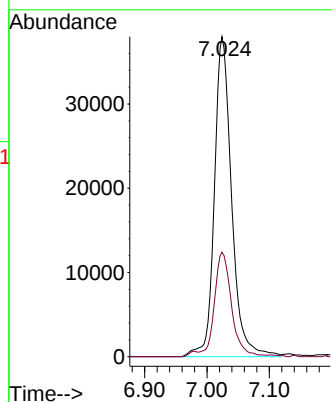
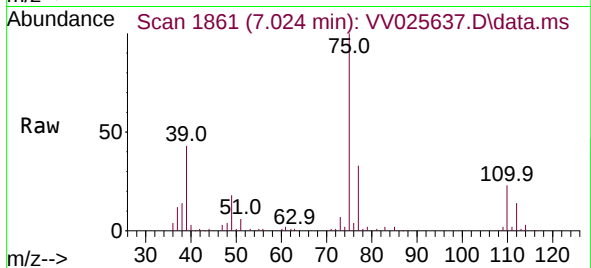
VSTD005386

Tgt Ion: 75 Resp: 72989

Ion Ratio Lower Upper

75 100

77 32.7 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 51.613 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.000 min

Lab File: VV025637.D

Acq: 20 Apr 2022 09:40

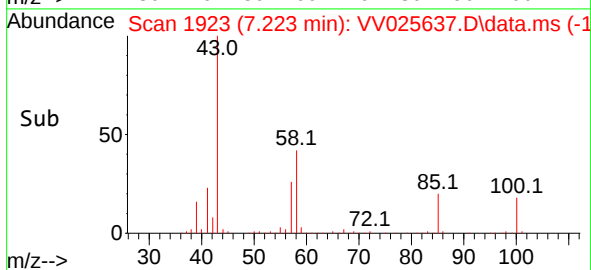
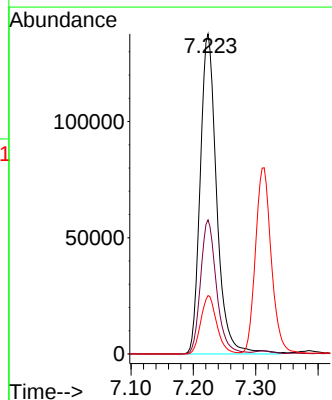
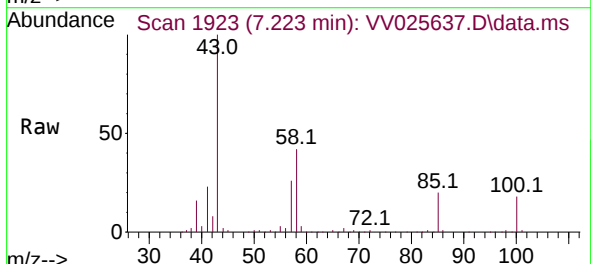
Tgt Ion: 43 Resp: 253088

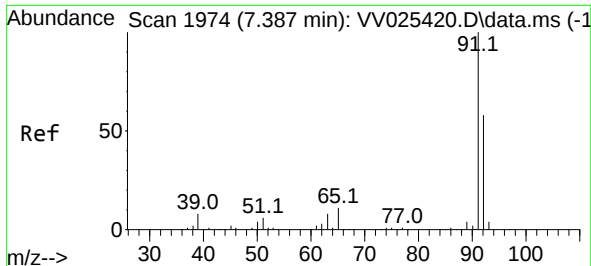
Ion Ratio Lower Upper

43 100

58 40.6 35.1 52.7

100 17.6 15.3 22.9





#42

Toluene

Concen: 4.515 ug/L

RT: 7.384 min Scan# 1974

Delta R.T. 0.000 min

Lab File: VV025637.D

Acq: 20 Apr 2022 09:40

Instrument :

MSVOA_V

ClientSampleId :

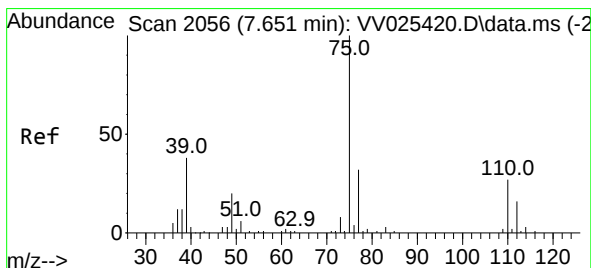
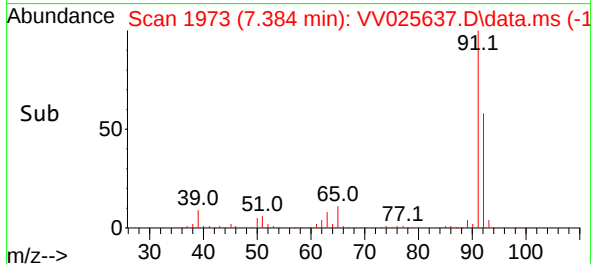
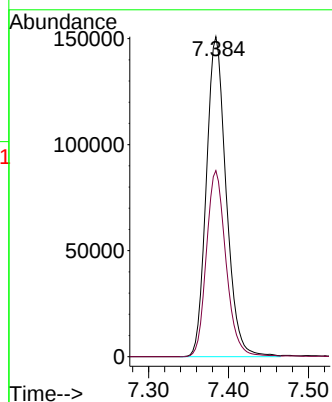
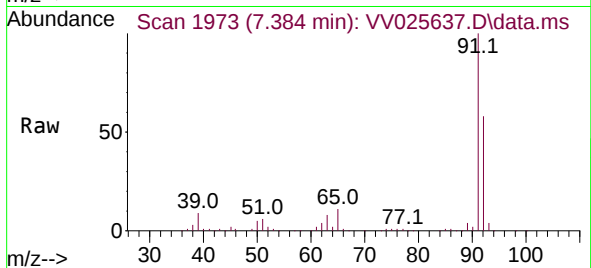
VSTD005386

Tgt Ion: 91 Resp: 259998

Ion Ratio Lower Upper

91 100

92 58.1 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.701 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.000 min

Lab File: VV025637.D

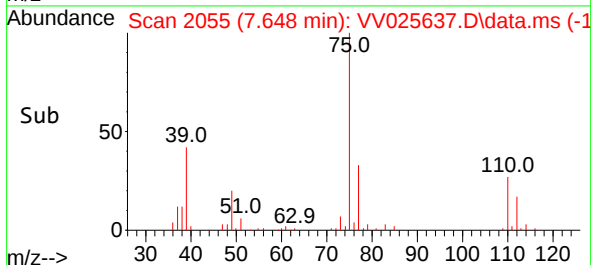
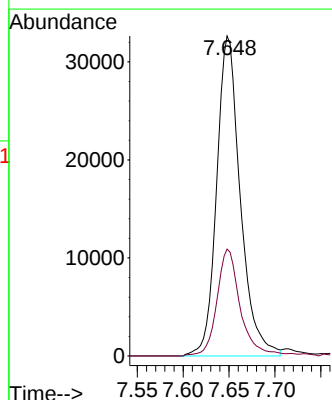
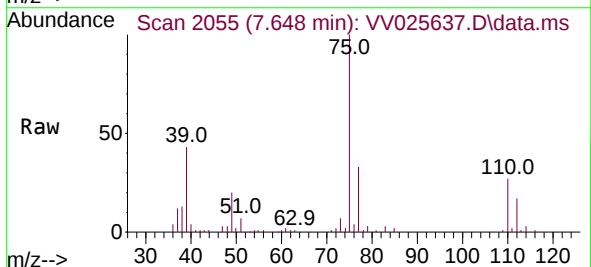
Acq: 20 Apr 2022 09:40

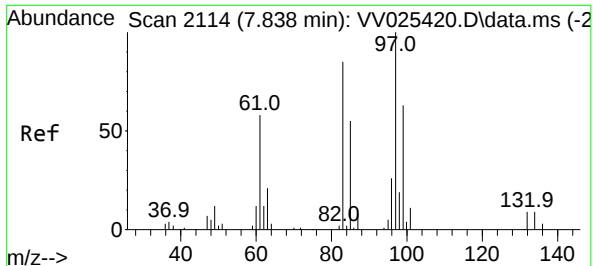
Tgt Ion: 75 Resp: 58620

Ion Ratio Lower Upper

75 100

77 33.4 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 4.725 ug/L

RT: 7.834 min Scan# 2114

Delta R.T. 0.000 min

Lab File: VV025637.D

Acq: 20 Apr 2022 09:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005386

Tgt Ion: 97 Resp: 38751

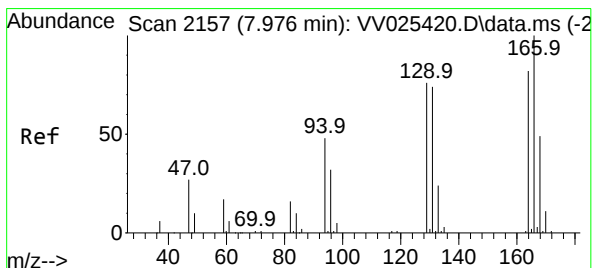
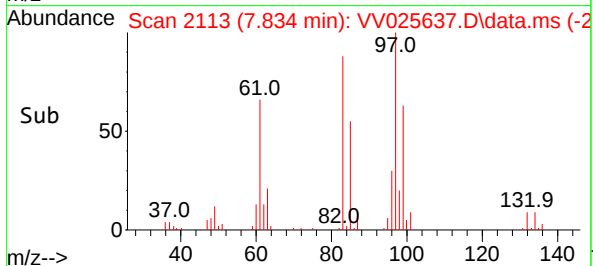
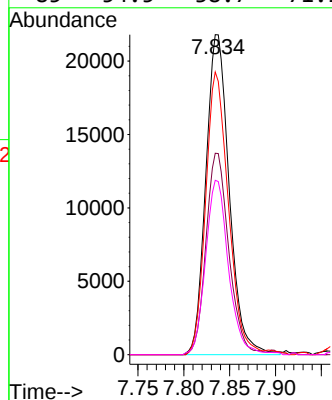
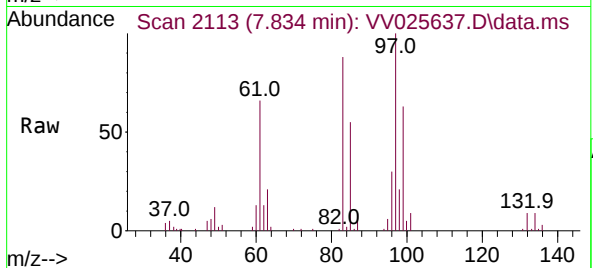
Ion Ratio Lower Upper

97 100

99 62.9 43.8 81.4

83 88.3 60.3 112.1

85 54.5 38.7 71.9



#47

Tetrachloroethene

Concen: 4.228 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.000 min

Lab File: VV025637.D

Acq: 20 Apr 2022 09:40

Tgt Ion:164 Resp: 46521

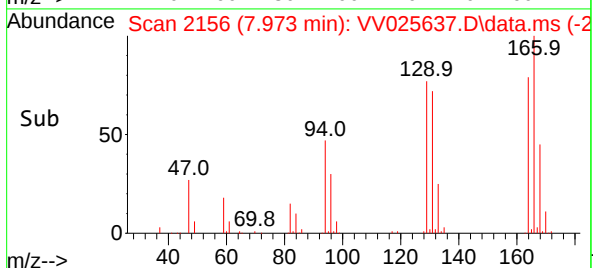
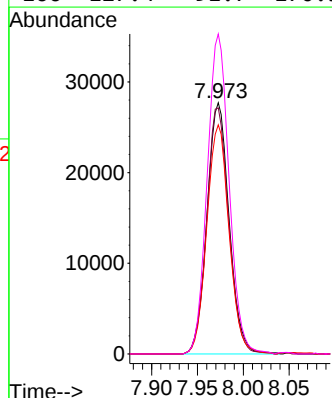
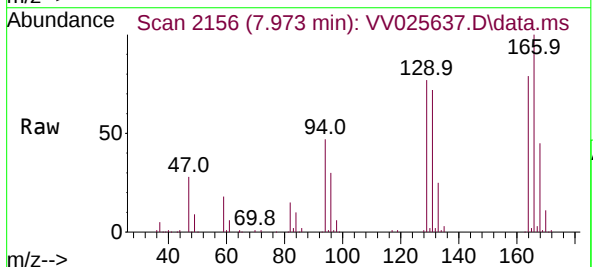
Ion Ratio Lower Upper

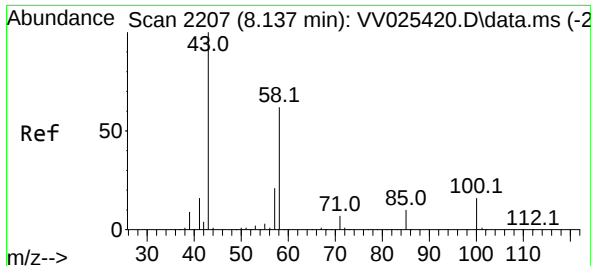
164 100

129 98.0 66.8 124.2

131 91.2 66.4 123.4

166 127.4 91.7 170.3



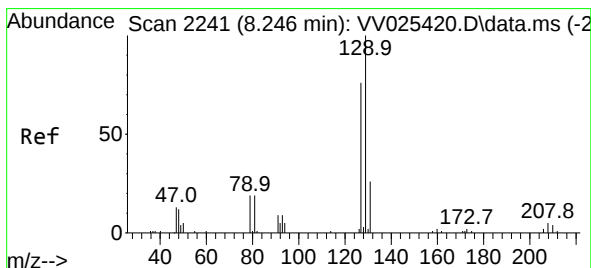
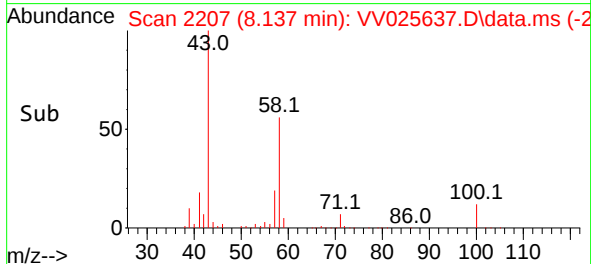
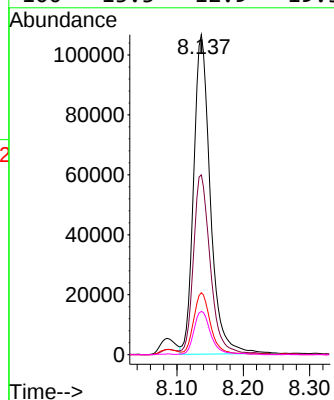
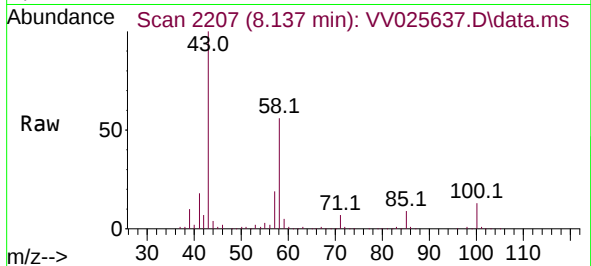


#48
2-Hexanone
Concen: 54.614 ug/L
RT: 8.137 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV025637.D
Acq: 20 Apr 2022 09:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD005386

Tgt Ion: 43 Resp: 186630

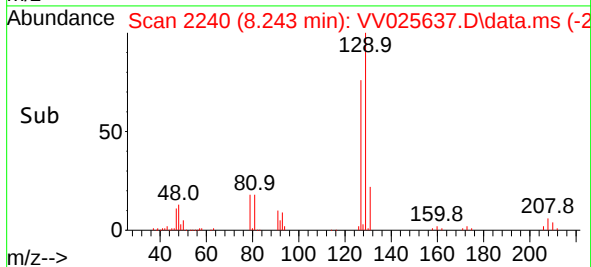
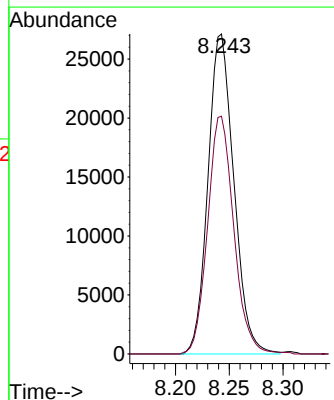
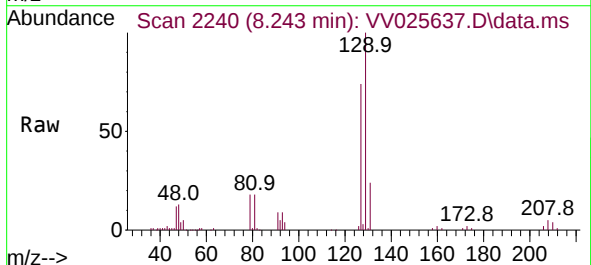
Ion	Ratio	Lower	Upper
43	100		
58	57.0	49.7	74.5
57	19.2	16.4	24.6
100	13.3	12.9	19.3

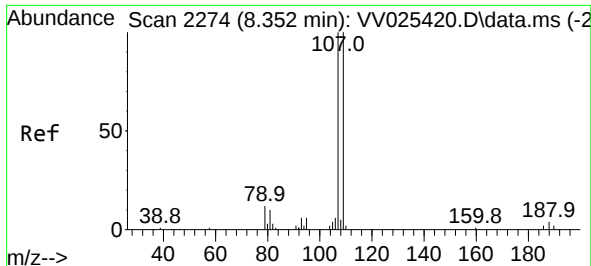


#49
Dibromochloromethane
Concen: 5.043 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. 0.000 min
Lab File: VV025637.D
Acq: 20 Apr 2022 09:40

Tgt Ion: 129 Resp: 45402

Ion	Ratio	Lower	Upper
129	100		
127	74.3	53.8	100.0





#50

1,2-Dibromoethane

Concen: 4.321 ug/L

RT: 8.349 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV025637.D

Acq: 20 Apr 2022 09:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005386

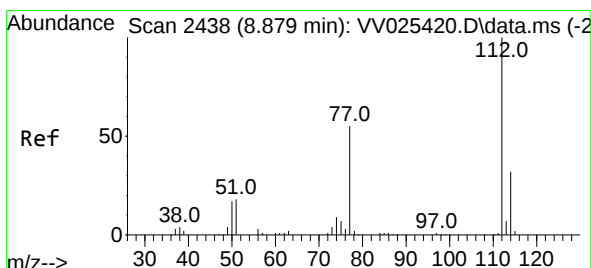
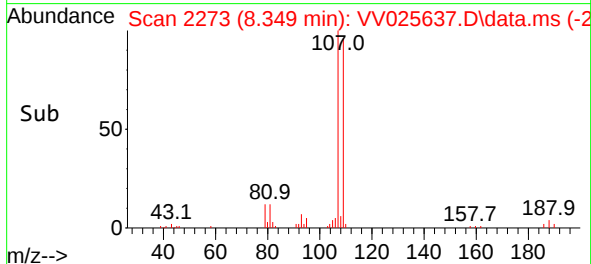
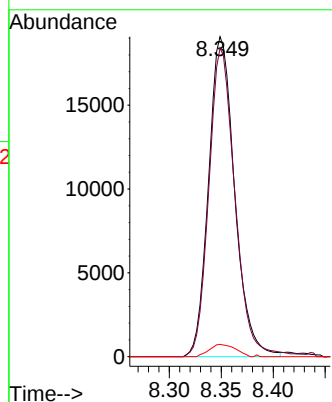
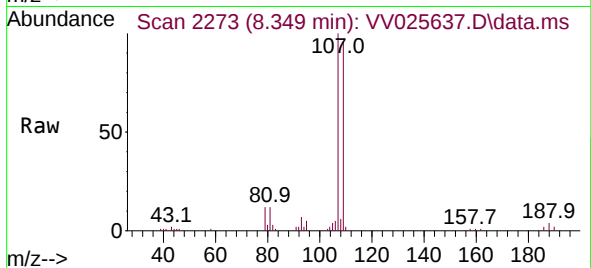
Tgt Ion:107 Resp: 33283

Ion Ratio Lower Upper

107 100

109 96.4 65.9 122.3

188 3.9 2.7 4.1



#51

Chlorobenzene

Concen: 4.476 ug/L

RT: 8.876 min Scan# 2437

Delta R.T. -0.003 min

Lab File: VV025637.D

Acq: 20 Apr 2022 09:40

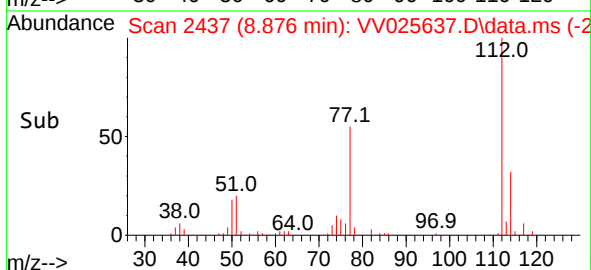
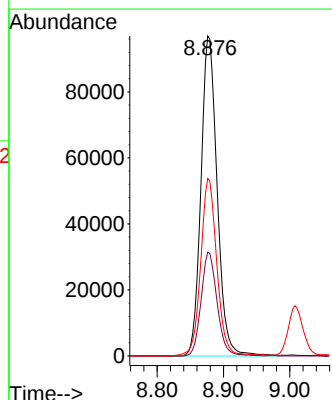
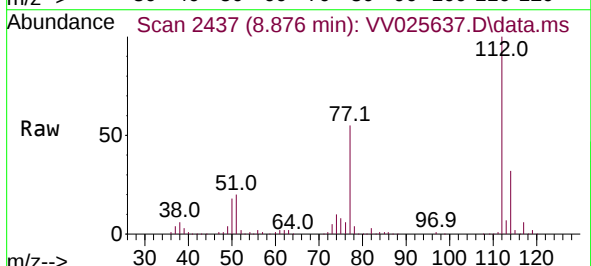
Tgt Ion:112 Resp: 164591

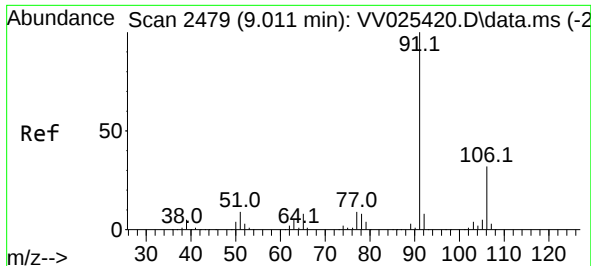
Ion Ratio Lower Upper

112 100

114 32.4 22.4 41.6

77 55.5 43.7 65.5

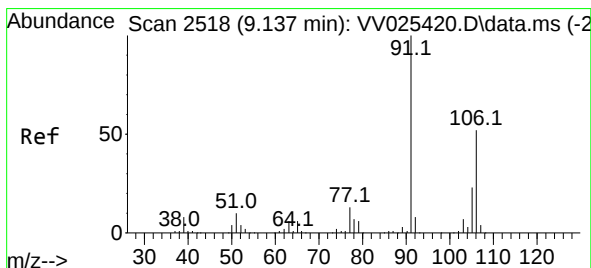
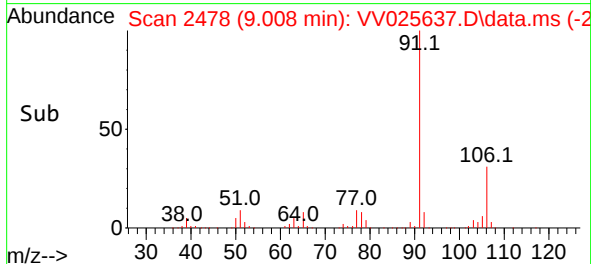
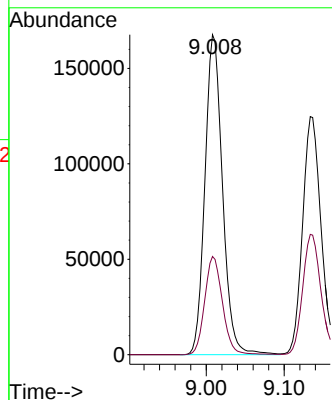
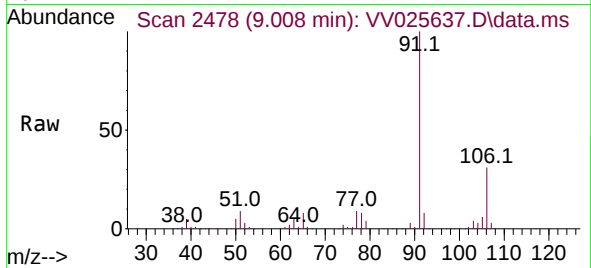




#52
Ethylbenzene
Concen: 4.282 ug/L
RT: 9.008 min Scan# 2479
Delta R.T. 0.000 min
Lab File: VV025637.D
Acq: 20 Apr 2022 09:40

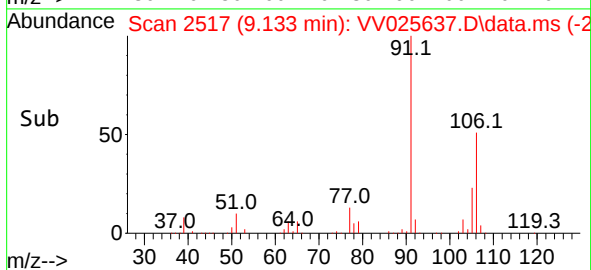
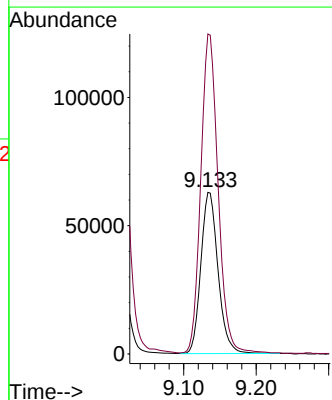
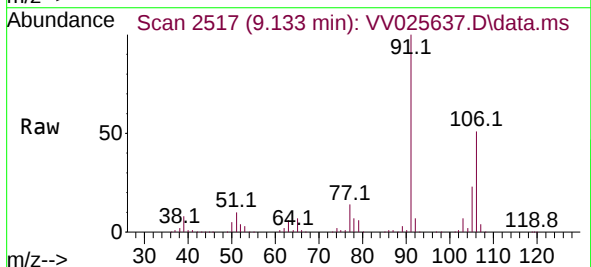
Instrument :
MSVOA_V
ClientSampleId :
VSTD005386

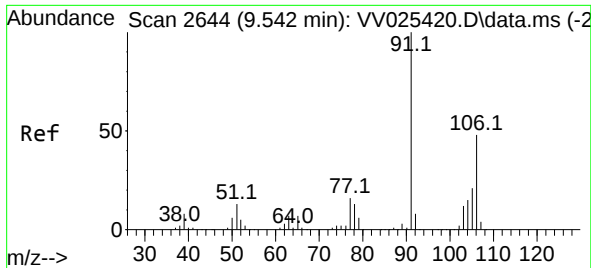
Tgt Ion: 91 Resp: 262986
Ion Ratio Lower Upper
91 100
106 30.7 22.3 41.3



#53
m,p-Xylene
Concen: 4.433 ug/L
RT: 9.133 min Scan# 2517
Delta R.T. -0.003 min
Lab File: VV025637.D
Acq: 20 Apr 2022 09:40

Tgt Ion: 106 Resp: 103526
Ion Ratio Lower Upper
106 100
91 197.9 136.4 253.4

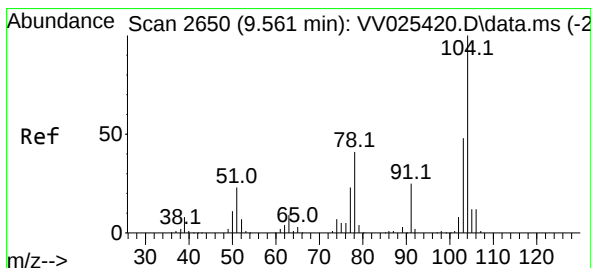
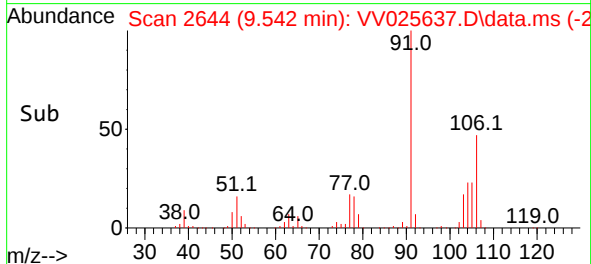
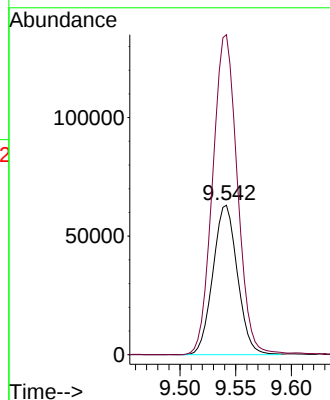
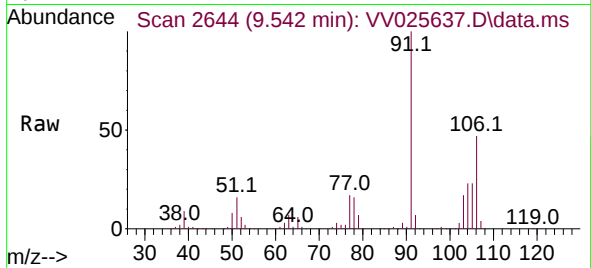




#54
o-Xylene
Concen: 4.262 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV025637.D
Acq: 20 Apr 2022 09:40

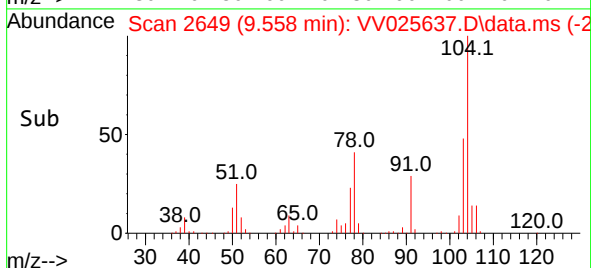
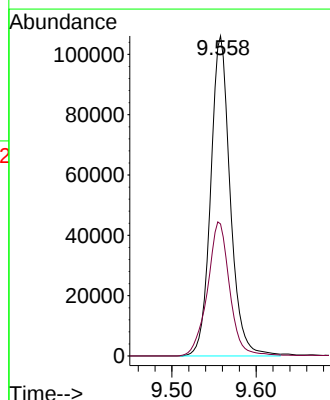
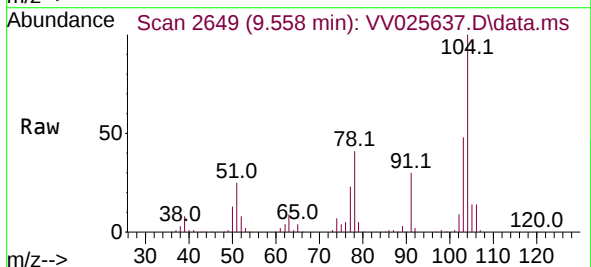
Instrument :
MSVOA_V
ClientSampleId :
VSTD005386

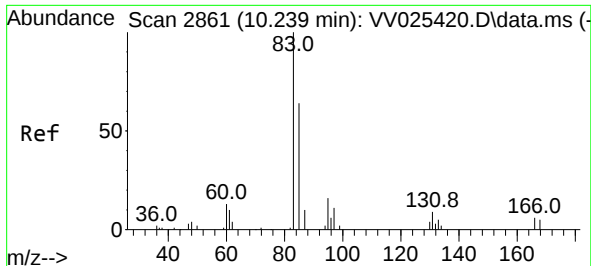
Tgt Ion:106 Resp: 96671
Ion Ratio Lower Upper
106 100
91 214.1 150.4 279.2



#55
Styrene
Concen: 4.636 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.000 min
Lab File: VV025637.D
Acq: 20 Apr 2022 09:40

Tgt Ion:104 Resp: 170955
Ion Ratio Lower Upper
104 100
78 41.2 28.3 52.7





#57

1,1,2,2-Tetrachloroethane

Concen: 4.471 ug/L

RT: 10.239 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV025637.D

Acq: 20 Apr 2022 09:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005386

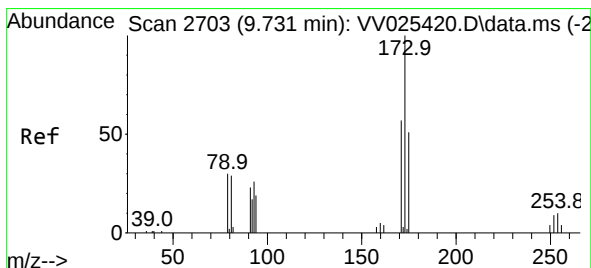
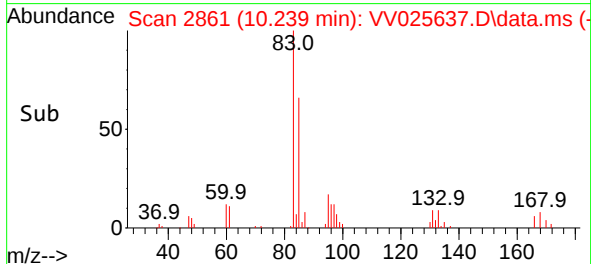
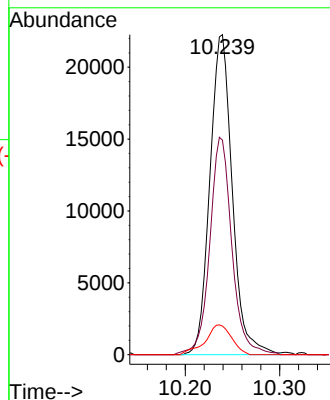
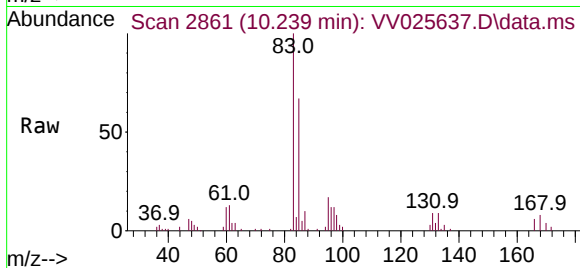
Tgt Ion: 83 Resp: 36638

Ion Ratio Lower Upper

83 100

85 67.0 45.1 83.9

131 8.9 7.9 11.9



#59

Bromoform

Concen: 4.873 ug/L

RT: 9.728 min Scan# 2702

Delta R.T. 0.000 min

Lab File: VV025637.D

Acq: 20 Apr 2022 09:40

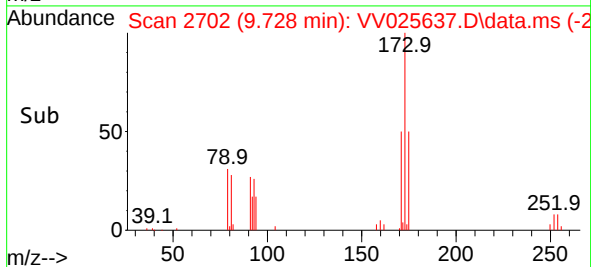
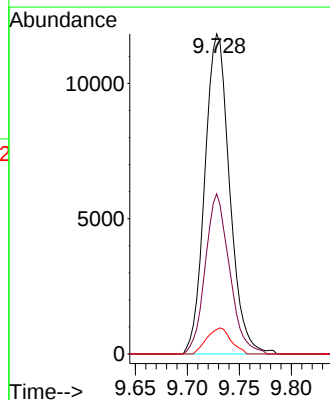
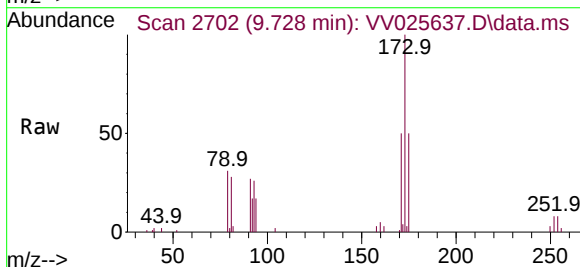
Tgt Ion: 173 Resp: 19656

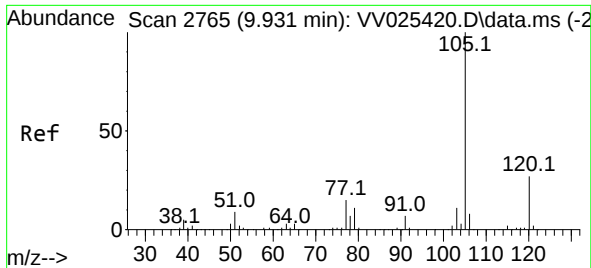
Ion Ratio Lower Upper

173 100

175 49.0 40.8 61.2

254 7.8 7.0 10.6

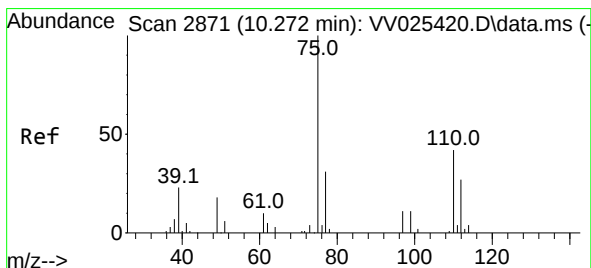
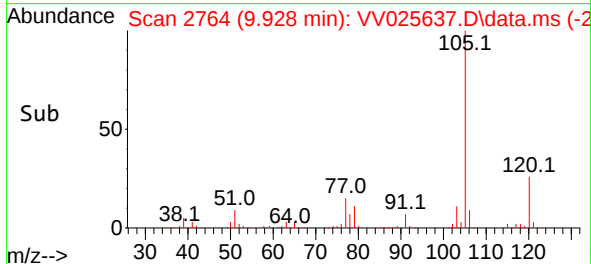
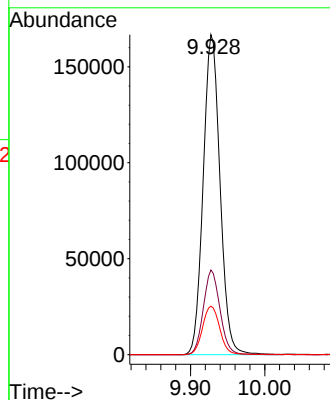
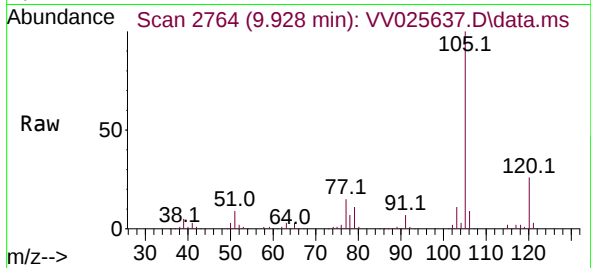




#60
Isopropylbenzene
Concen: 4.342 ug/L
RT: 9.928 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV025637.D
Acq: 20 Apr 2022 09:40

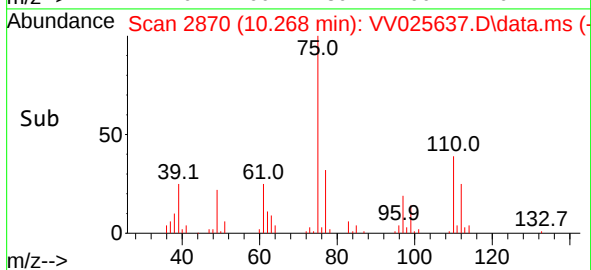
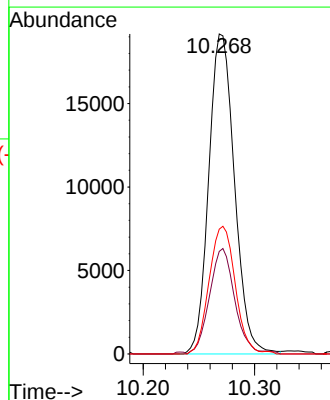
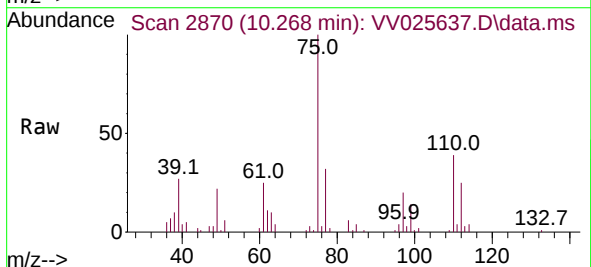
Instrument :
MSVOA_V
ClientSampleId :
VSTD005386

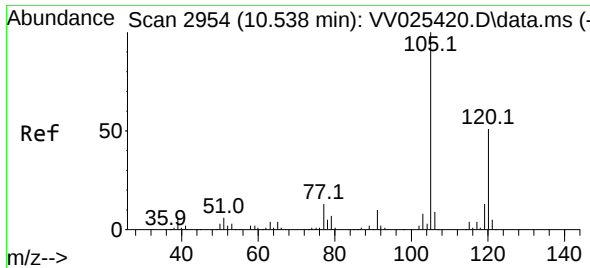
Tgt Ion:105 Resp: 262617
Ion Ratio Lower Upper
105 100
120 26.1 21.2 31.8
77 15.5 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 4.787 ug/L
RT: 10.268 min Scan# 2870
Delta R.T. -0.003 min
Lab File: VV025637.D
Acq: 20 Apr 2022 09:40

Tgt Ion: 75 Resp: 30803
Ion Ratio Lower Upper
75 100
77 32.4 25.6 38.4
110 40.6 34.7 52.1

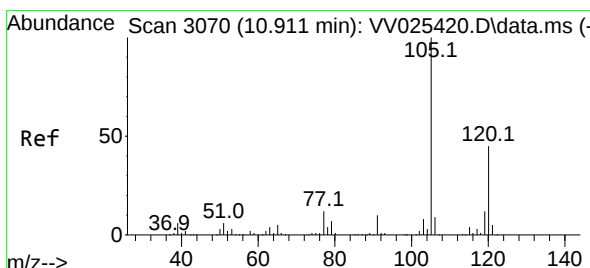
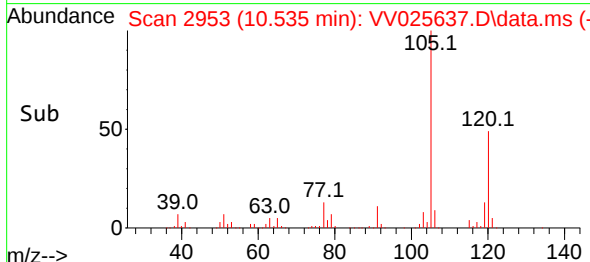
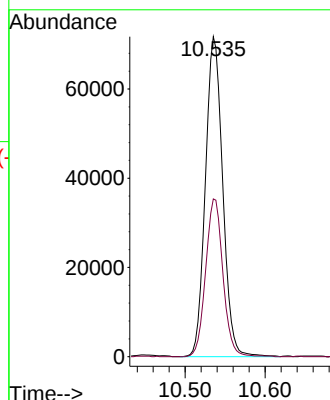
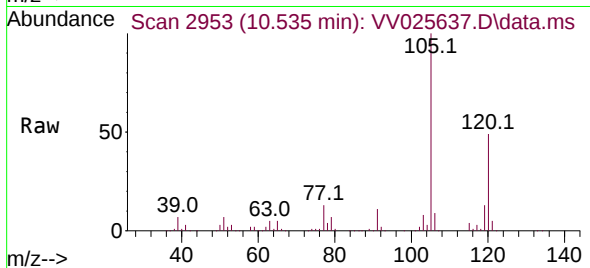




#62
 1,3,5-Trimethylbenzene
 Concen: 4.013 ug/L
 RT: 10.535 min Scan# 2953
 Delta R.T. 0.000 min
 Lab File: VV025637.D
 Acq: 20 Apr 2022 09:40

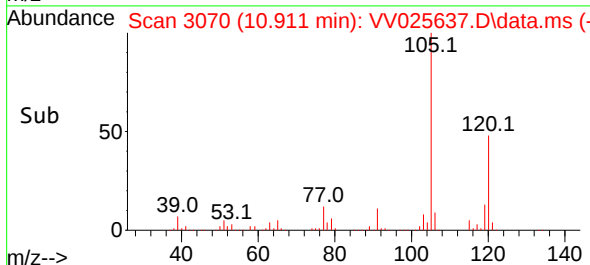
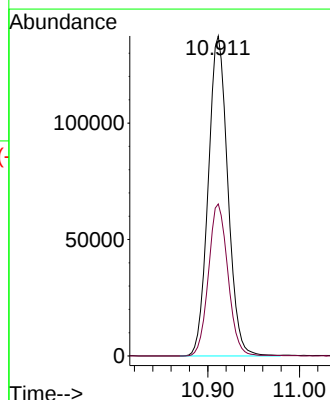
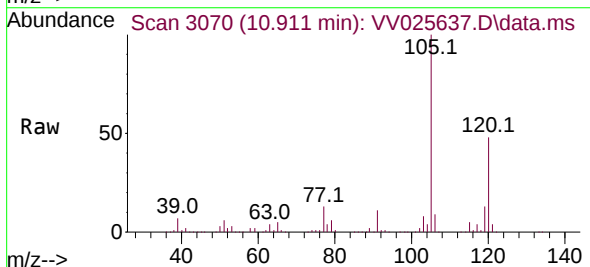
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005386

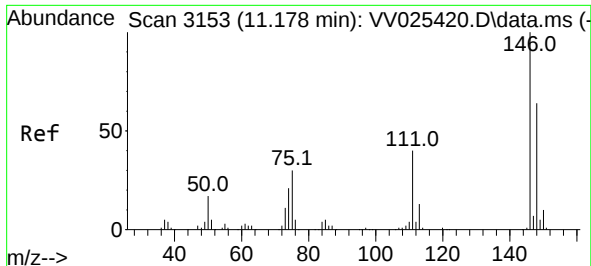
Tgt Ion:105 Resp: 108238
 Ion Ratio Lower Upper
 105 100
 120 49.3 39.6 59.4



#63
 1,2,4-Trimethylbenzene
 Concen: 4.200 ug/L
 RT: 10.911 min Scan# 3070
 Delta R.T. 0.000 min
 Lab File: VV025637.D
 Acq: 20 Apr 2022 09:40

Tgt Ion:105 Resp: 204079
 Ion Ratio Lower Upper
 105 100
 120 47.3 36.6 55.0

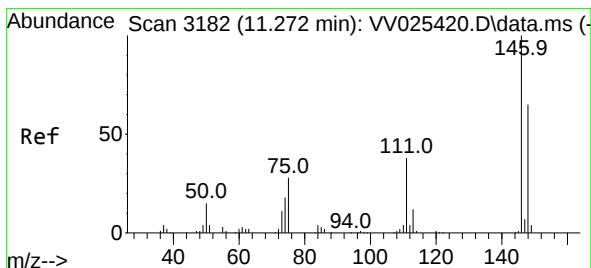
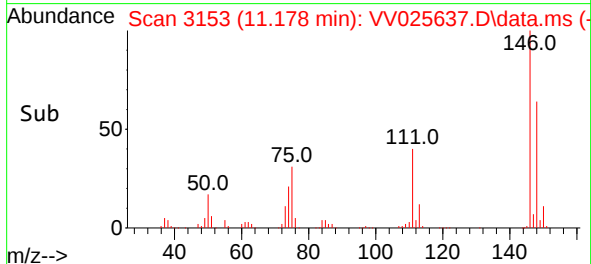
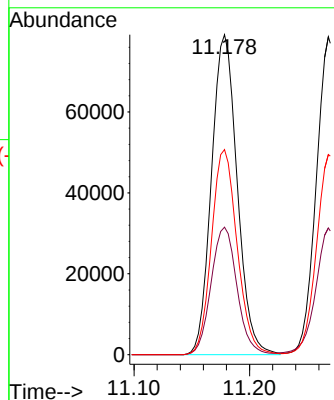
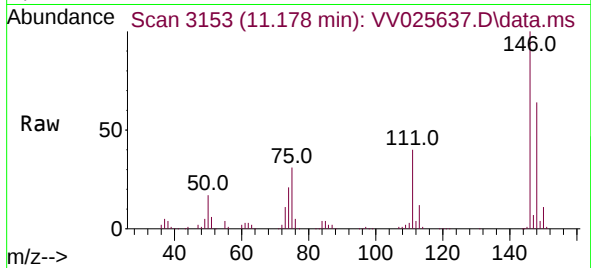




#64
1,3-Dichlorobenzene
Concen: 4.331 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VV025637.D
Acq: 20 Apr 2022 09:40

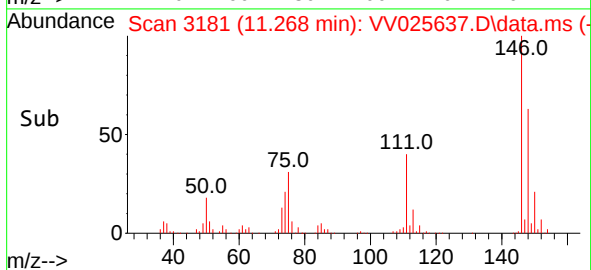
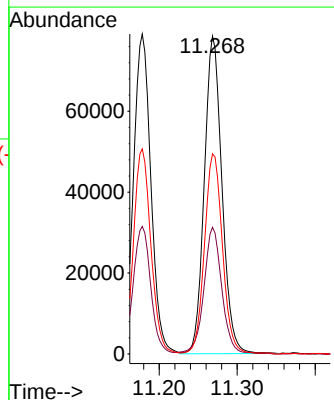
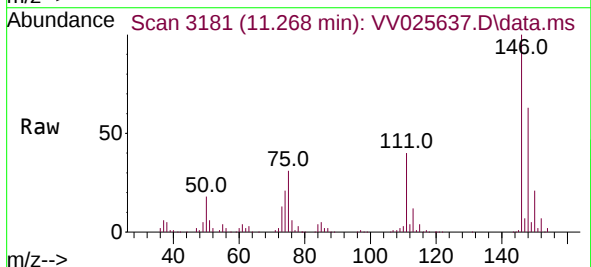
Instrument :
MSVOA_V
ClientSampleId :
VSTD005386

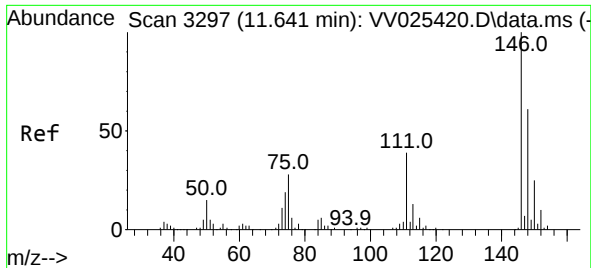
Tgt Ion:146 Resp: 122286
Ion Ratio Lower Upper
146 100
111 39.8 27.4 50.8
148 64.1 44.7 82.9



#65
1,4-Dichlorobenzene
Concen: 4.307 ug/L
RT: 11.268 min Scan# 3181
Delta R.T. 0.000 min
Lab File: VV025637.D
Acq: 20 Apr 2022 09:40

Tgt Ion:146 Resp: 123434
Ion Ratio Lower Upper
146 100
111 39.9 26.7 49.7
148 63.0 42.8 79.6





#67

1,2-Dichlorobenzene

Concen: 4.429 ug/L

RT: 11.638 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV025637.D

Acq: 20 Apr 2022 09:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005386

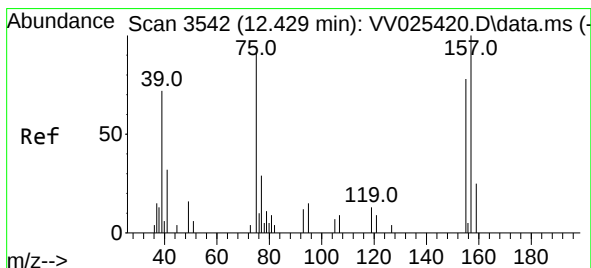
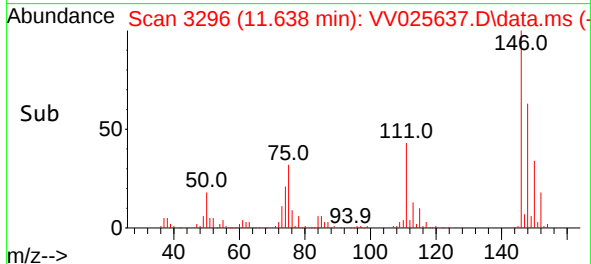
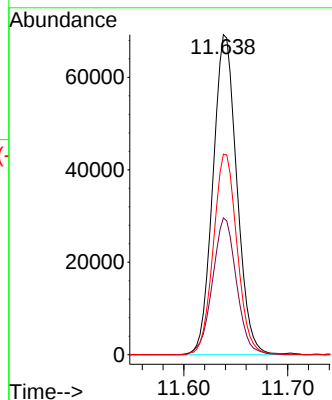
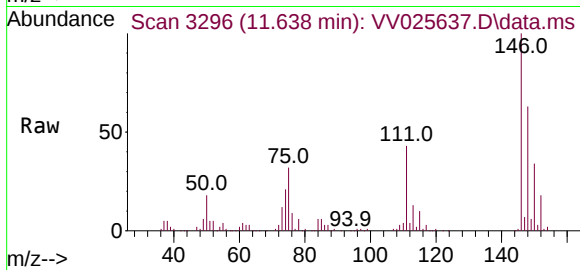
Tgt Ion:146 Resp: 110747

Ion Ratio Lower Upper

146 100

111 42.7 33.6 50.4

148 62.6 50.0 75.0



#68

1,2-Dibromo-3-chloropropane

Concen: 4.653 ug/L

RT: 12.426 min Scan# 3541

Delta R.T. 0.000 min

Lab File: VV025637.D

Acq: 20 Apr 2022 09:40

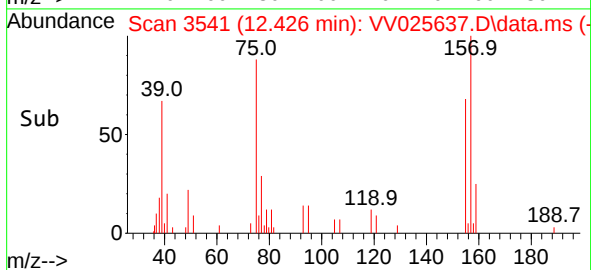
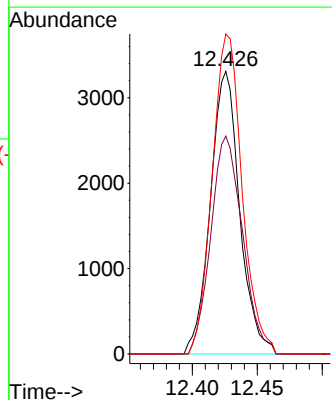
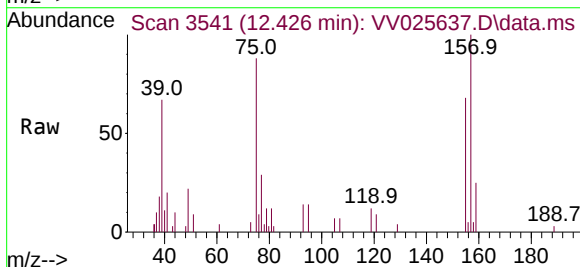
Tgt Ion: 75 Resp: 5177

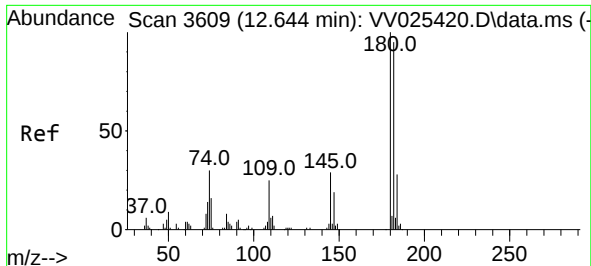
Ion Ratio Lower Upper

75 100

155 77.1 65.8 98.8

157 113.2 86.6 130.0

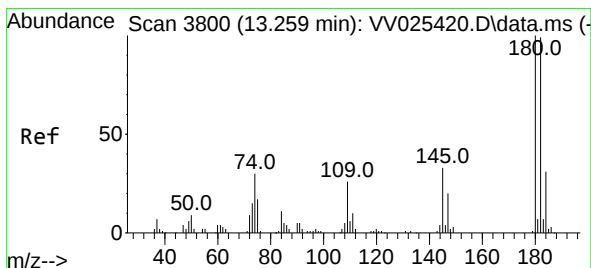
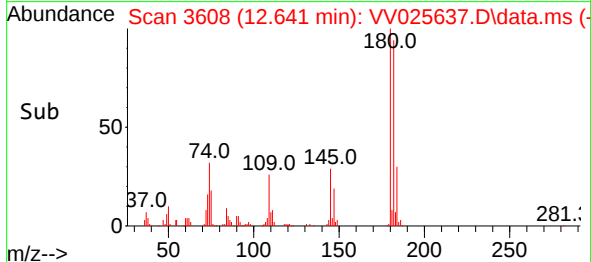
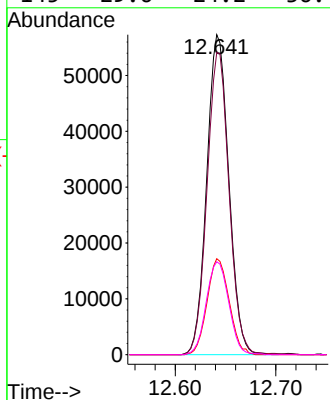
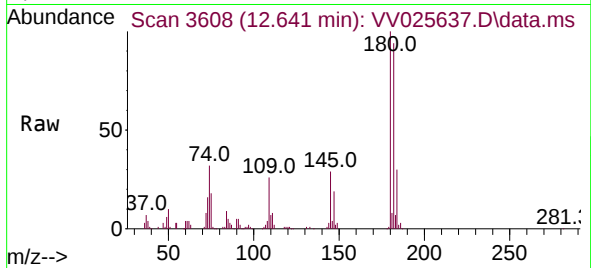




#69
 1,3,5-Trichlorobenzene
 Concen: 4.068 ug/L
 RT: 12.641 min Scan# 3609
 Delta R.T. 0.000 min
 Lab File: VV025637.D
 Acq: 20 Apr 2022 09:40

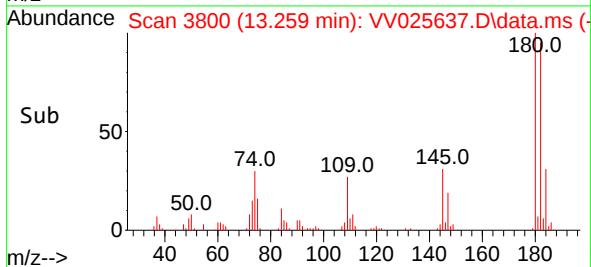
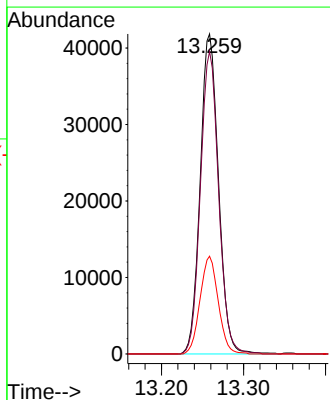
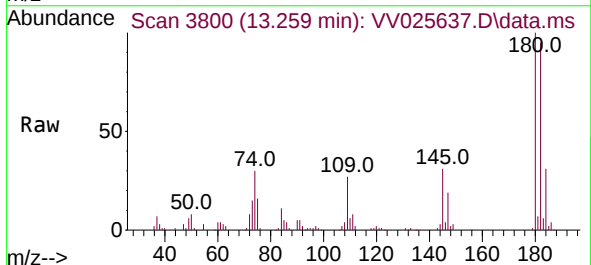
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005386

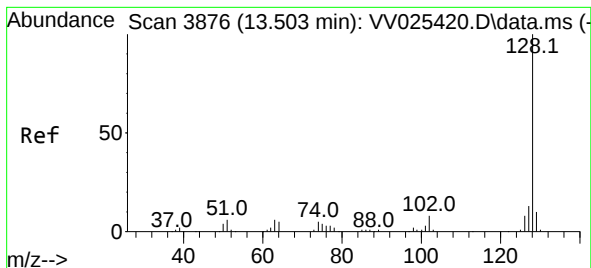
Tgt	Ion:180	Resp:	87390
Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.3	112.9
184	30.0	23.4	35.2
145	29.6	24.2	36.4



#70
 1,2,4-trichlorobenzene
 Concen: 3.913 ug/L
 RT: 13.259 min Scan# 3800
 Delta R.T. 0.000 min
 Lab File: VV025637.D
 Acq: 20 Apr 2022 09:40

Tgt Ion:180	Resp:	64799	
Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.6	114.8
145	30.3	24.6	36.8





#71

Naphthalene

Concen: 3.634 ug/L

RT: 13.500 min Scan# 3876

Delta R.T. 0.000 min

Lab File: VV025637.D

Acq: 20 Apr 2022 09:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005386

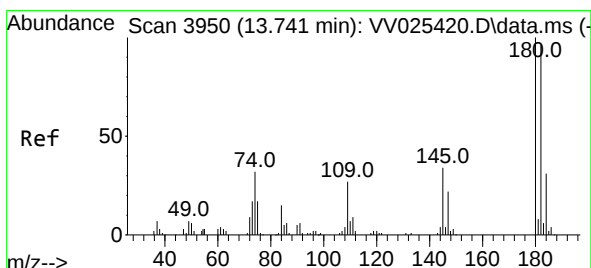
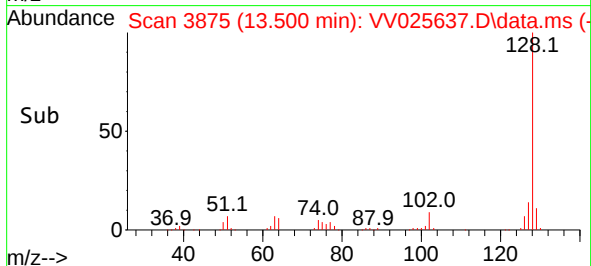
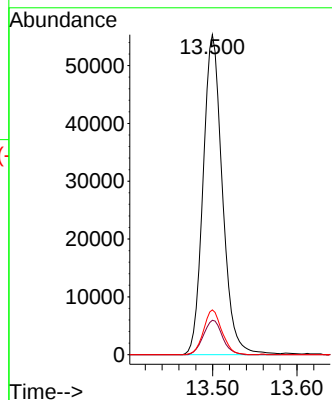
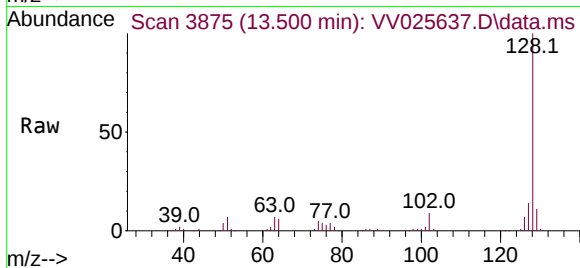
Tgt Ion:128 Resp: 88270

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

127 13.3 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 3.925 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. 0.000 min

Lab File: VV025637.D

Acq: 20 Apr 2022 09:40

Tgt Ion:180 Resp: 53818

Ion Ratio Lower Upper

180 100

182 93.6 77.7 116.5

145 33.5 27.4 41.2

