

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031822\
 Data File : VW025104.D
 Acq On : 18 Mar 2022 17:42
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005339

Quant Time: Mar 19 00:57:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Mar 19 00:53:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	190784	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	175067	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	85324	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	64873	4.307	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.200%
7) Chloroethane-d5	1.568	69	48895	4.433	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.600%
11) 1,1-Dichloroethene-d2	2.111	63	112127	4.606	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.200%
20) 2-Butanone-d5	3.892	46	98228	53.962	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.920%
24) Chloroform-d	4.352	84	114752	4.594	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
26) 1,2-Dichloroethane-d4	5.034	65	45976	4.402	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.000%
32) Benzene-d6	5.053	84	234756	4.623	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
36) 1,2-Dichloropropane-d6	6.069	67	67212	4.602	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.000%
41) Toluene-d8	7.317	98	214986	4.645	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.800%
43) trans-1,3-Dichloroprop...	7.625	79	21890	4.300	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.000%
46) 2-Hexanone-d5	8.088	63	90494	52.113	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.220%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	42489	4.946	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.000%
66) 1,2-Dichlorobenzene-d4	11.622	152	68880	4.769	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	81452	4.832	ug/L	97
3) Chloromethane	1.243	50	74697	4.698	ug/L	99
5) Vinyl chloride	1.314	62	84495	5.037	ug/L	99
6) Bromomethane	1.523	94	45187	4.169	ug/L	99
8) Chloroethane	1.587	64	50986	5.013	ug/L	99
9) Trichlorofluoromethane	1.754	101	115239	5.051	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.121	101	63634	5.144	ug/L	99
12) 1,1-Dichloroethene	2.121	96	63219	5.202	ug/L	97
13) Acetone	2.179	43	70026	57.520	ug/L	81
14) Carbon disulfide	2.298	76	204973	4.713	ug/L	100
15) Methyl Acetate	2.439	43	20731	6.215	ug/L	92
16) Methylene chloride	2.510	84	75839	5.150	ug/L	98
17) Methyl tert-butyl Ether	2.770	73	150915	5.701	ug/L	100
18) trans-1,2-Dichloroethene	2.764	96	76965	5.262	ug/L	99
19) 1,1-Dichloroethane	3.191	63	132126	5.308	ug/L	98
21) 2-Butanone	3.973	43	115889	60.313	ug/L #	77
22) cis-1,2-Dichloroethene	3.915	96	83648	5.665	ug/L	99
23) Bromochloromethane	4.252	128	32679	5.613	ug/L	93
25) Chloroform	4.378	83	138908	5.359	ug/L	97

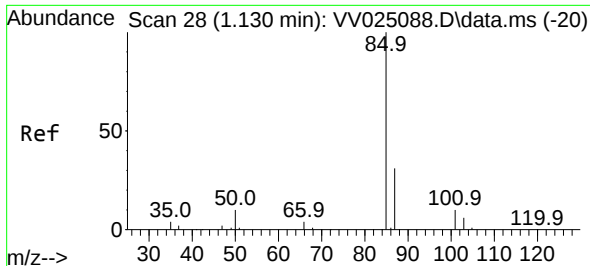
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031822\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.133	62	70690	5.485	ug/L	99
29) 1,1,1-Trichloroethane	4.609	97	122450	5.485	ug/L	99
30) Cyclohexane	4.677	56	113024	5.203	ug/L	99
31) Carbon tetrachloride	4.831	117	102725	5.363	ug/L	99
33) Benzene	5.101	78	308791	5.423	ug/L	100
34) Trichloroethene	5.915	95	82164	5.419	ug/L	98
35) Methylcyclohexane	6.130	83	124886	5.203	ug/L	98
37) 1,2-Dichloropropane	6.175	63	72863	5.568	ug/L	100
38) Bromodichloromethane	6.510	83	89323	5.398	ug/L	99
39) cis-1,3-Dichloropropene	7.027	75	97401	5.361	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	301574	56.008	ug/L	98
42) Toluene	7.387	91	329571	5.530	ug/L	99
44) trans-1,3-Dichloropropene	7.651	75	74378	5.203	ug/L	99
45) 1,1,2-Trichloroethane	7.838	97	48893	5.594	ug/L	99
47) Tetrachloroethene	7.976	164	57723	5.412	ug/L	98
48) 2-Hexanone	8.137	43	208632	54.654	ug/L	95
49) Dibromochloromethane	8.246	129	52970	5.414	ug/L	99
50) 1,2-Dibromoethane	8.352	107	45012	5.628	ug/L	97
51) Chlorobenzene	8.879	112	210023	5.628	ug/L	100
52) Ethylbenzene	9.011	91	358287	5.683	ug/L	99
53) m,p-xylene	9.137	106	139948	5.765	ug/L	98
54) o-xylene	9.542	106	133041	5.731	ug/L	94
55) Styrene	9.558	104	224534	5.939	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	51936	6.061	ug/L	97
59) Bromoform	9.731	173	22332	4.860	ug/L	99
60) Isopropylbenzene	9.931	105	358383	5.570	ug/L	99
61) 1,2,3-Trichloropropane	10.272	75	38292	5.336	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	168215	5.761	ug/L	99
63) 1,2,4-Trimethylbenzene	10.911	105	304098	5.881	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	156403	5.603	ug/L	99
65) 1,4-Dichlorobenzene	11.271	146	154365	5.486	ug/L	98
67) 1,2-Dichlorobenzene	11.641	146	136954	5.537	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.429	75	6963	5.661	ug/L	95
69) 1,3,5-Trichlorobenzene	12.644	180	109839	5.571	ug/L	98
70) 1,2,4-trichlorobenzene	13.259	180	89944	5.855	ug/L	99
71) Naphthalene	13.500	128	193652	7.592	ug/L	99
72) 1,2,3-Trichlorobenzene	13.741	180	75131	5.772	ug/L	99

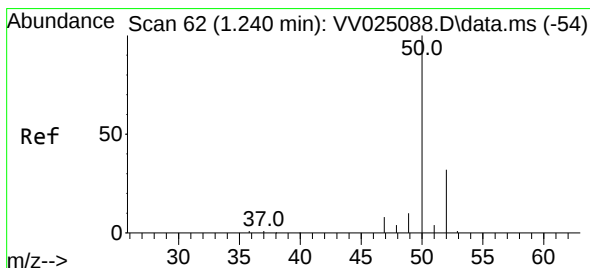
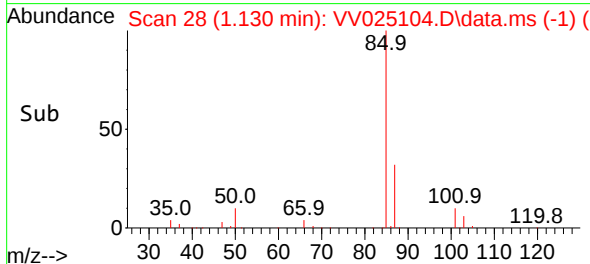
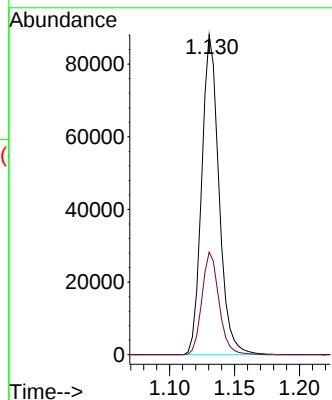
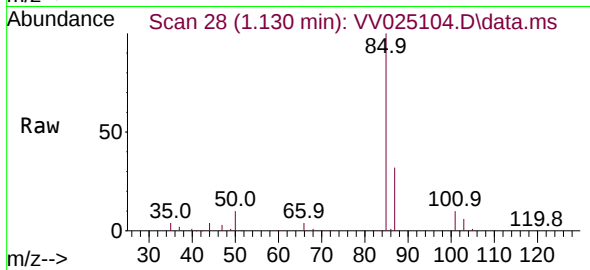
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#2
 Dichlorodifluoromethane
 Concen: 4.832 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV025104.D
 Acq: 18 Mar 2022 17:42

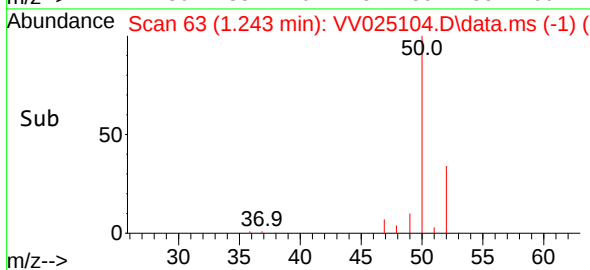
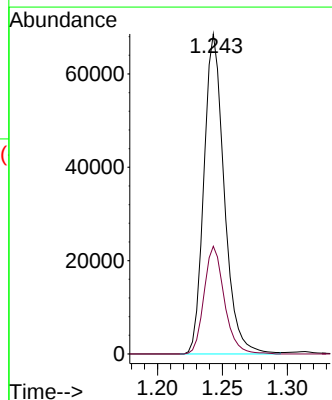
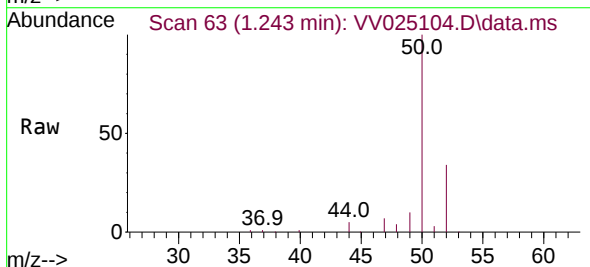
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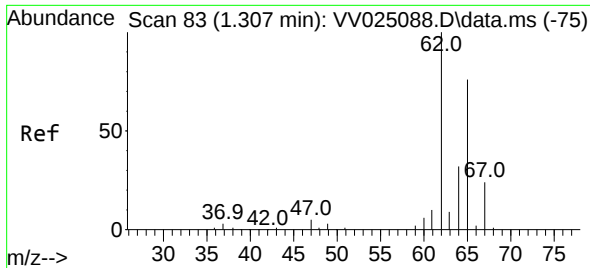
Tgt Ion: 85 Resp: 81452
 Ion Ratio Lower Upper
 85 100
 87 31.7 26.7 40.1



#3
 Chloromethane
 Concen: 4.698 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.003 min
 Lab File: VV025104.D
 Acq: 18 Mar 2022 17:42

Tgt Ion: 50 Resp: 74697
 Ion Ratio Lower Upper
 50 100
 52 33.6 23.2 43.2

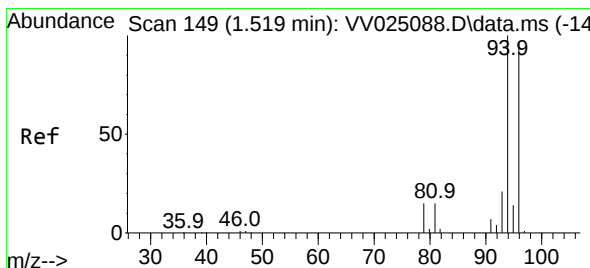
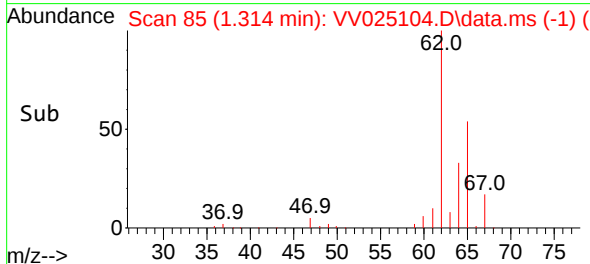
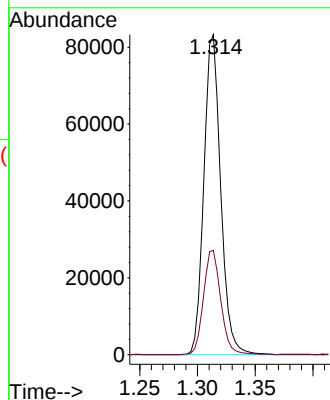
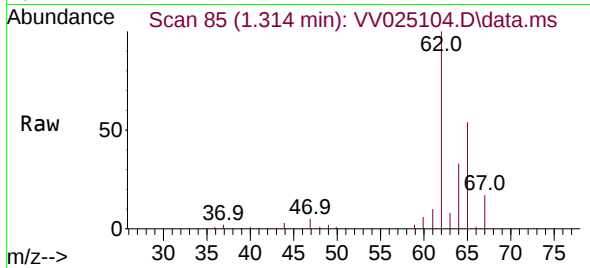




#5
 Vinyl chloride
 Concen: 5.037 ug/L
 RT: 1.314 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VV025104.D
 Acq: 18 Mar 2022 17:42

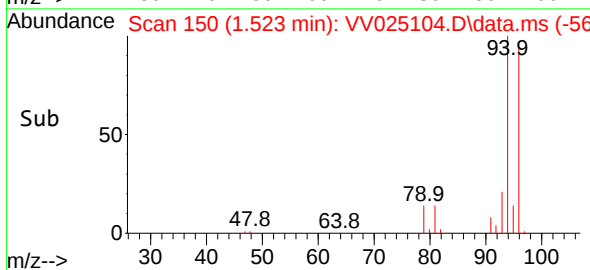
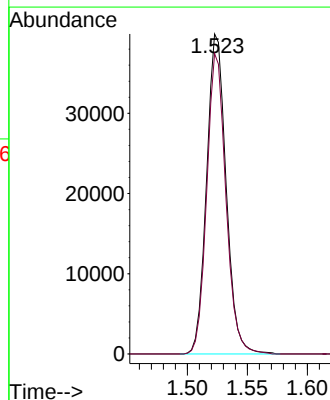
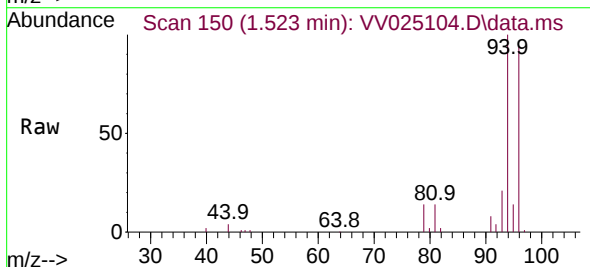
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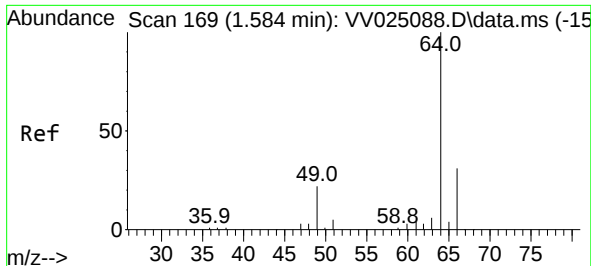
Tgt Ion: 62 Resp: 84495
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.4 43.4



#6
 Bromomethane
 Concen: 4.169 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.003 min
 Lab File: VV025104.D
 Acq: 18 Mar 2022 17:42

Tgt Ion: 94 Resp: 45187
 Ion Ratio Lower Upper
 94 100
 96 93.8 64.9 120.5

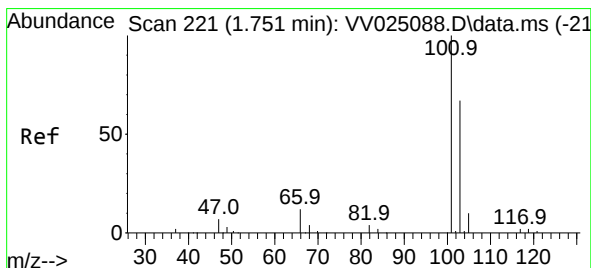
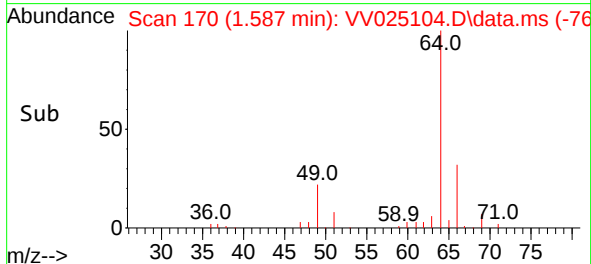
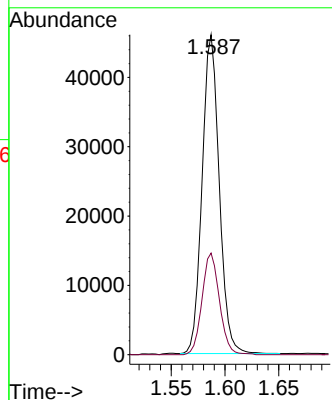
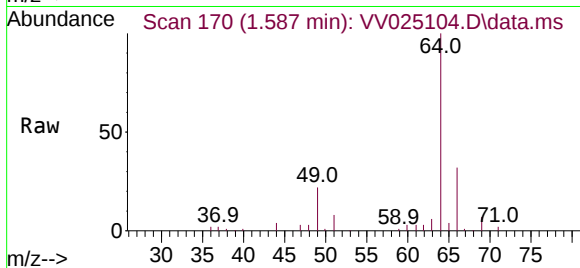




#8
Chloroethane
Concen: 5.013 ug/L
RT: 1.587 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV025104.D
Acq: 18 Mar 2022 17:42

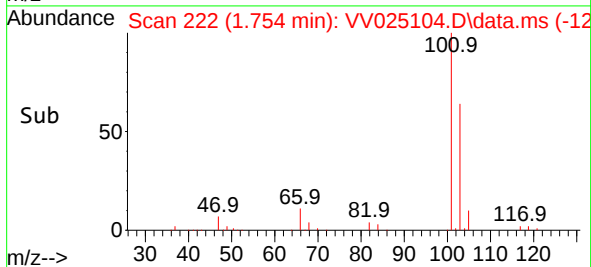
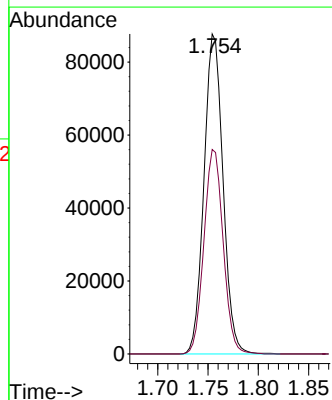
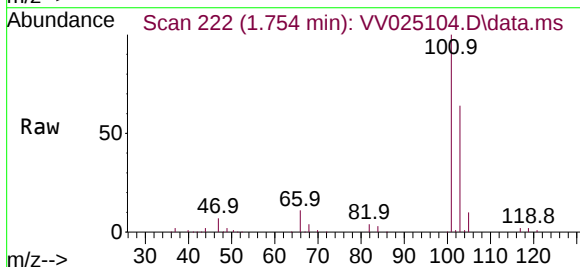
Instrument :
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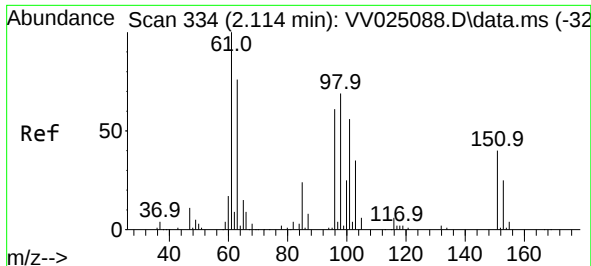
Tgt Ion: 64 Resp: 50986
Ion Ratio Lower Upper
64 100
66 31.8 22.5 41.7



#9
Trichlorofluoromethane
Concen: 5.051 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.003 min
Lab File: VV025104.D
Acq: 18 Mar 2022 17:42

Tgt Ion:101 Resp: 115239
Ion Ratio Lower Upper
101 100
103 64.6 51.5 77.3

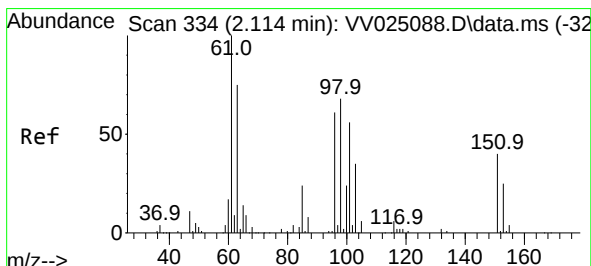
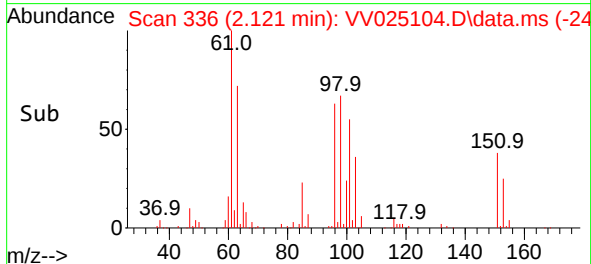
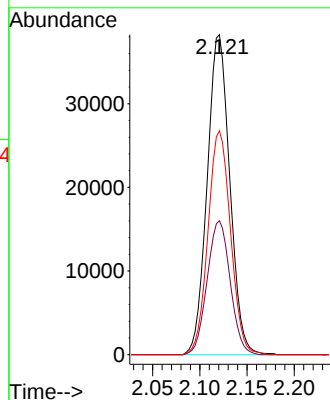
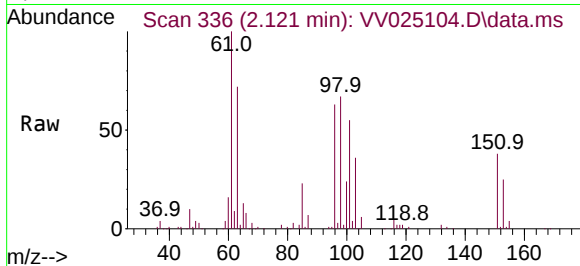




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.144 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. 0.006 min
 Lab File: VV025104.D
 Acq: 18 Mar 2022 17:42

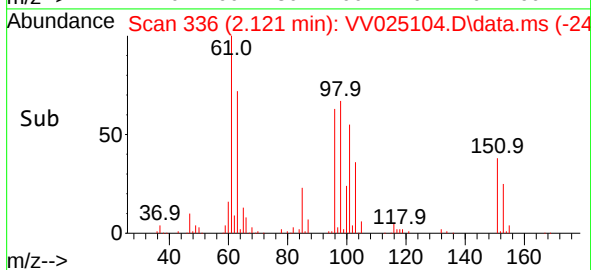
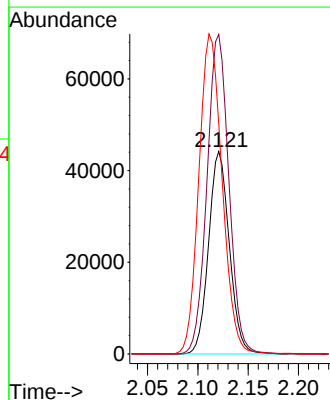
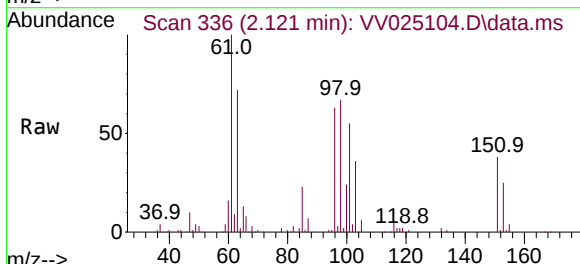
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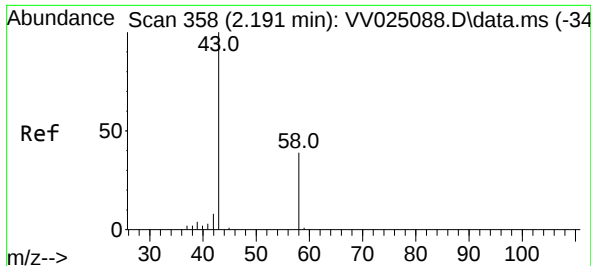
Tgt Ion:101 Resp: 63634
 Ion Ratio Lower Upper
 101 100
 85 42.6 34.8 52.2
 151 69.9 55.6 83.4



#12
 1,1-Dichloroethene
 Concen: 5.202 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. 0.006 min
 Lab File: VV025104.D
 Acq: 18 Mar 2022 17:42

Tgt Ion: 96 Resp: 63219
 Ion Ratio Lower Upper
 96 100
 61 157.8 113.0 209.9
 63 113.6 82.1 152.5

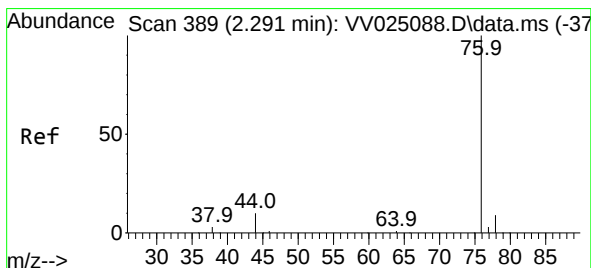
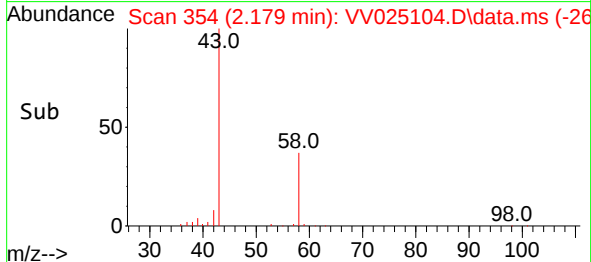
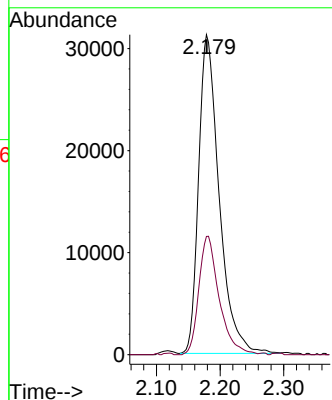
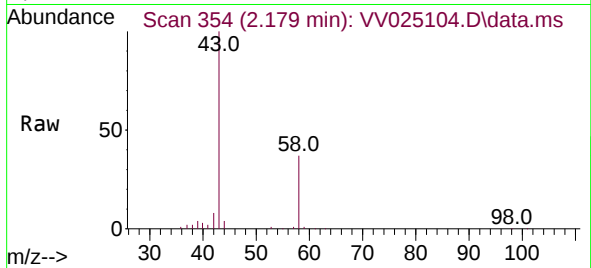




#13
Acetone
Concen: 57.520 ug/L
RT: 2.179 min Scan# 311
Delta R.T. -0.013 min
Lab File: VV025104.D
Acq: 18 Mar 2022 17:42

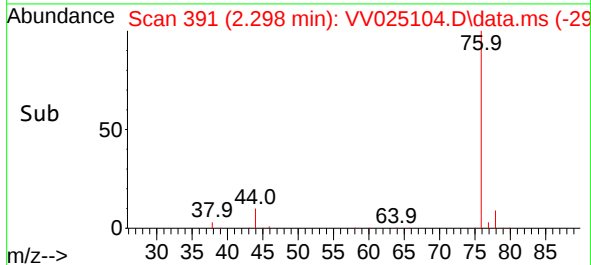
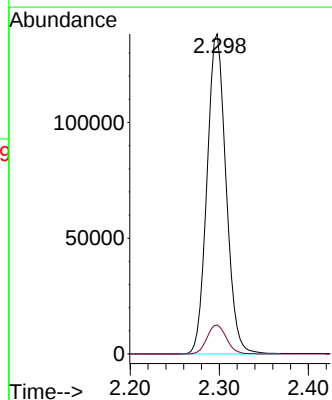
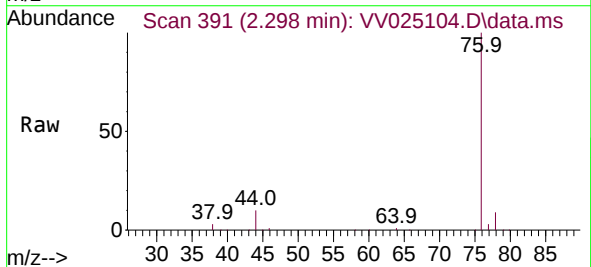
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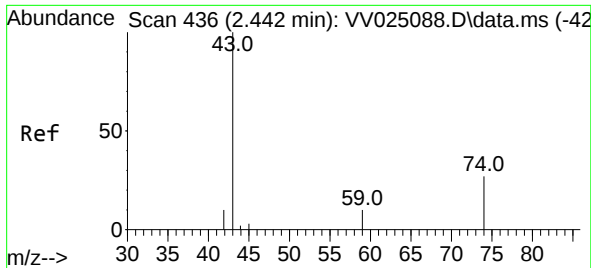
Tgt Ion: 43 Resp: 70026
Ion Ratio Lower Upper
43 100
58 36.8 0.0 54.2



#14
Carbon disulfide
Concen: 4.713 ug/L
RT: 2.298 min Scan# 391
Delta R.T. 0.006 min
Lab File: VV025104.D
Acq: 18 Mar 2022 17:42

Tgt Ion: 76 Resp: 204973
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0

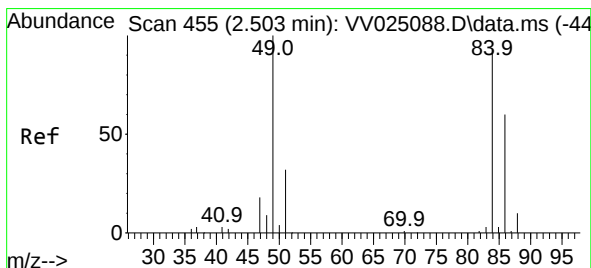
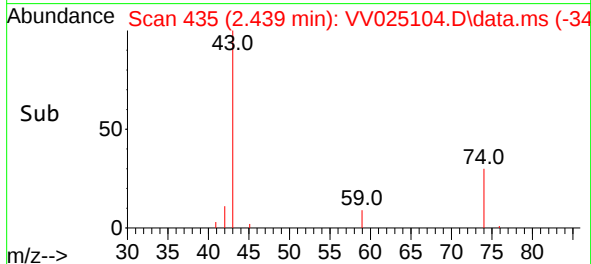
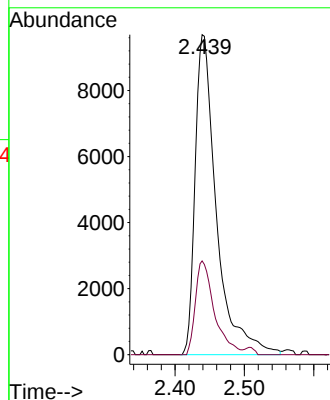
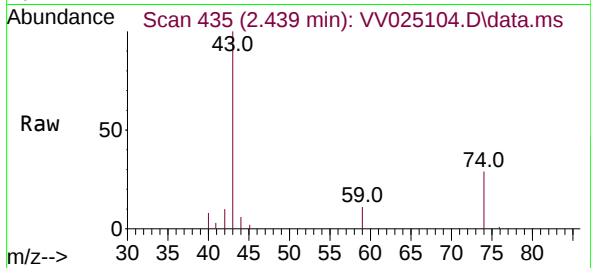




#15
Methyl Acetate
Concen: 6.215 ug/L
RT: 2.439 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV025104.D
Acq: 18 Mar 2022 17:42

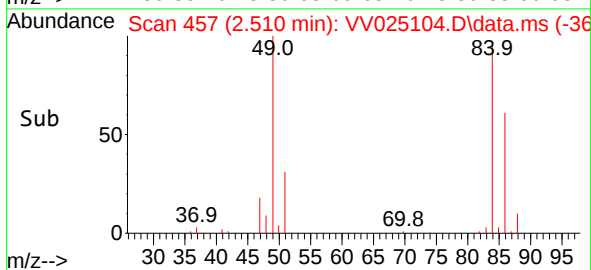
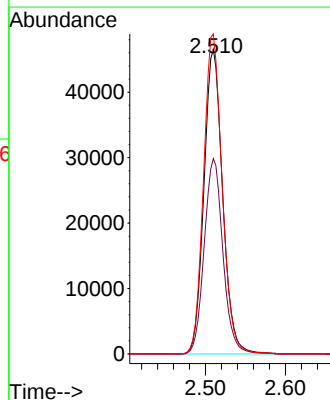
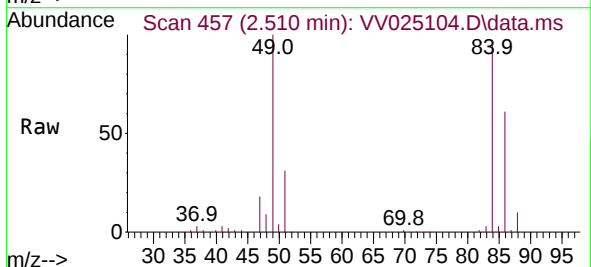
Instrument :
MSVOA_V
ClientSampleId :
VSTD005339

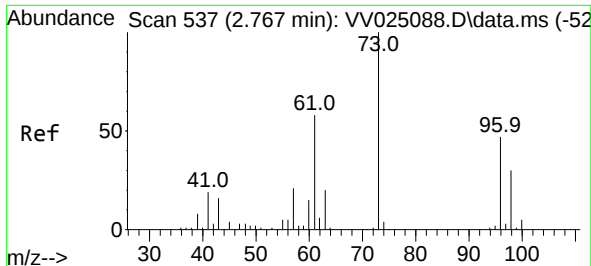
Tgt Ion: 43 Resp: 20731
Ion Ratio Lower Upper
43 100
74 26.2 24.2 36.4



#16
Methylene chloride
Concen: 5.150 ug/L
RT: 2.510 min Scan# 457
Delta R.T. 0.006 min
Lab File: VV025104.D
Acq: 18 Mar 2022 17:42

Tgt Ion: 84 Resp: 75839
Ion Ratio Lower Upper
84 100
86 64.2 45.5 84.5
49 105.1 75.0 139.2

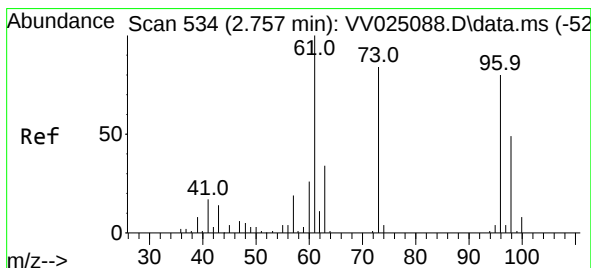
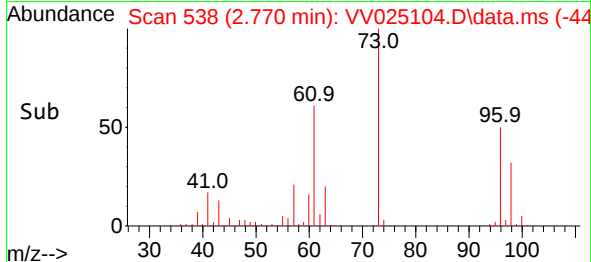
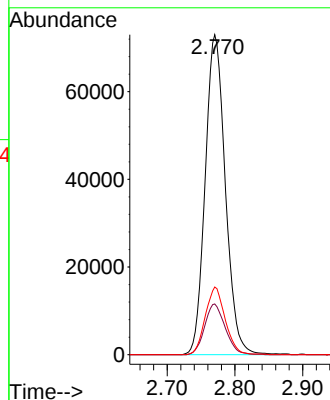
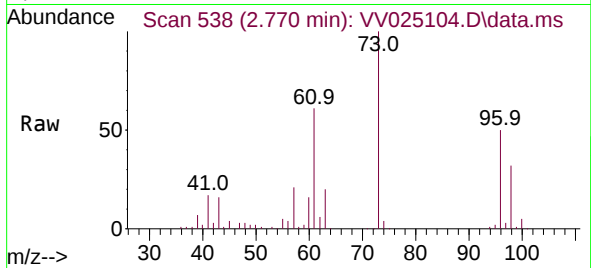




#17
Methyl tert-butyl Ether
Concen: 5.701 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV025104.D
Acq: 18 Mar 2022 17:42

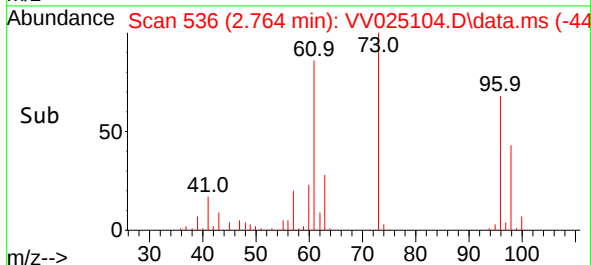
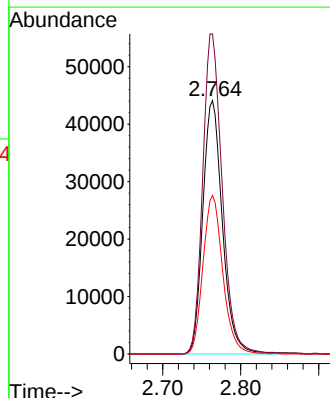
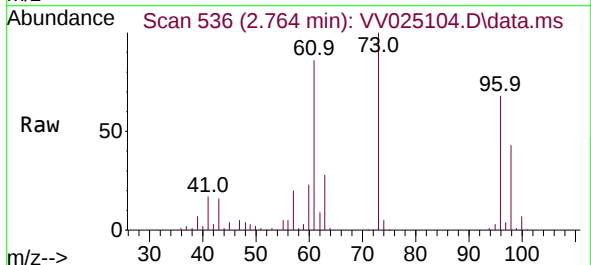
Instrument :
MSVOA_V
ClientSampleId :
VSTD005339

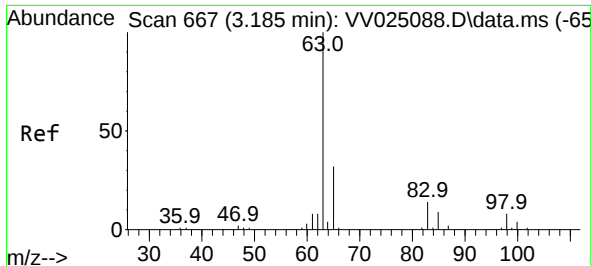
Tgt Ion: 73 Resp: 150915
Ion Ratio Lower Upper
73 100
43 16.1 13.2 19.8
57 20.8 16.7 25.1



#18
trans-1,2-Dichloroethene
Concen: 5.262 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.006 min
Lab File: VV025104.D
Acq: 18 Mar 2022 17:42

Tgt Ion: 96 Resp: 76965
Ion Ratio Lower Upper
96 100
61 126.2 89.2 165.6
98 62.5 43.9 81.5





#19

1,1-Dichloroethane

Concen: 5.308 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.006 min

Lab File: VV025104.D

Acq: 18 Mar 2022 17:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD005339

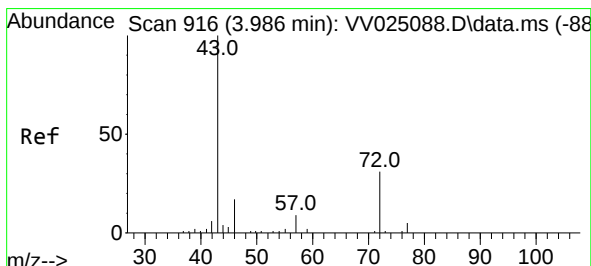
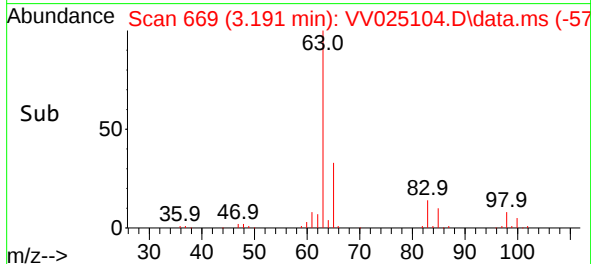
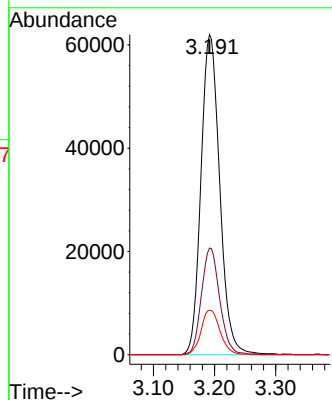
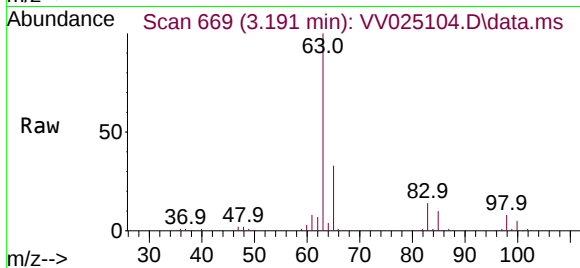
Tgt Ion: 63 Resp: 132126

Ion Ratio Lower Upper

63 100

65 33.3 22.2 41.2

83 13.9 9.4 17.4



#21

2-Butanone

Concen: 60.313 ug/L

RT: 3.973 min Scan# 912

Delta R.T. -0.013 min

Lab File: VV025104.D

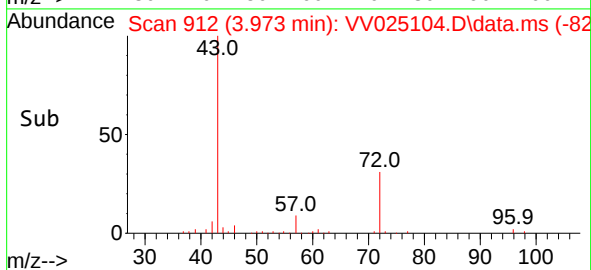
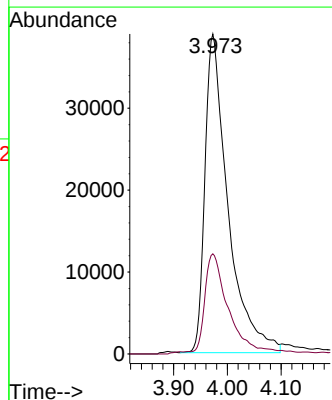
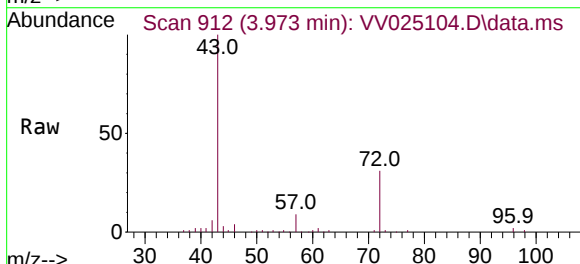
Acq: 18 Mar 2022 17:42

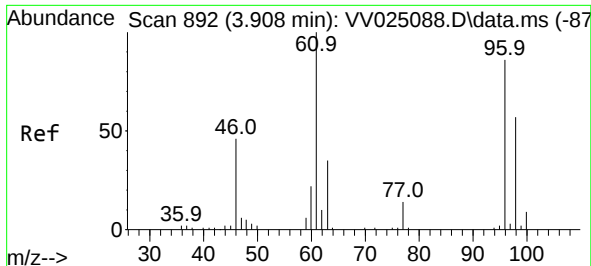
Tgt Ion: 43 Resp: 115889

Ion Ratio Lower Upper

43 100

72 31.5 10.4 31.2#





#22

cis-1,2-Dichloroethene

Concen: 5.665 ug/L

RT: 3.915 min Scan# 892

Delta R.T. 0.006 min

Lab File: VV025104.D

Acq: 18 Mar 2022 17:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD005339

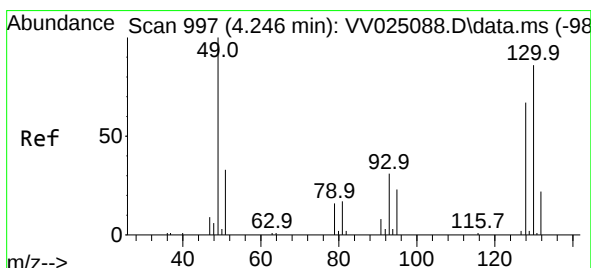
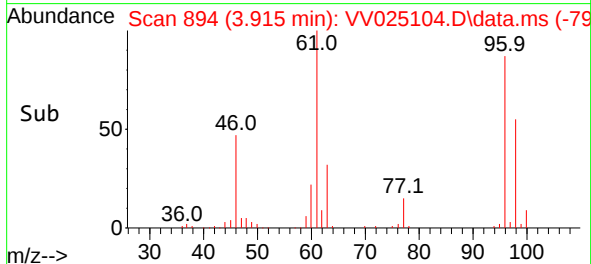
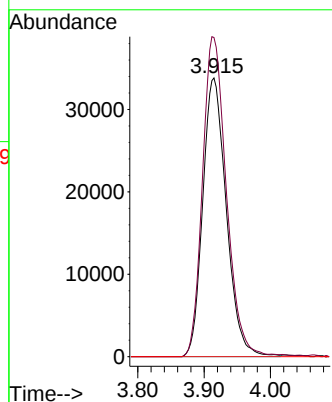
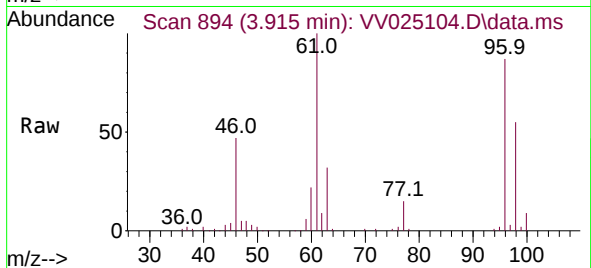
Tgt Ion: 96 Resp: 83648

Ion Ratio Lower Upper

96 100

61 114.5 79.7 147.9

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 5.613 ug/L

RT: 4.252 min Scan# 999

Delta R.T. 0.006 min

Lab File: VV025104.D

Acq: 18 Mar 2022 17:42

Tgt Ion: 128 Resp: 32679

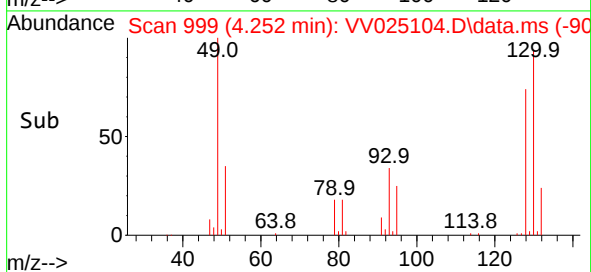
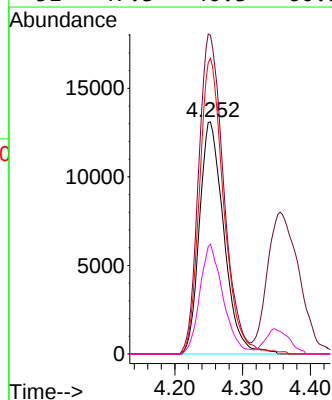
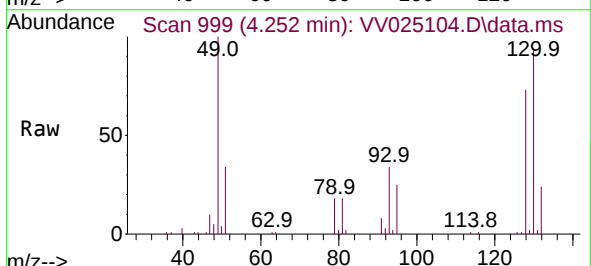
Ion Ratio Lower Upper

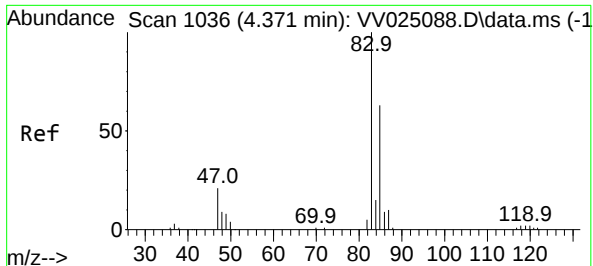
128 100

49 137.4 107.5 199.7

130 127.4 89.4 166.0

51 47.3 40.3 60.5





#25

Chloroform

Concen: 5.359 ug/L

RT: 4.378 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VV025104.D

Acq: 18 Mar 2022 17:42

Instrument :

MSVOA_V

ClientSampleId :

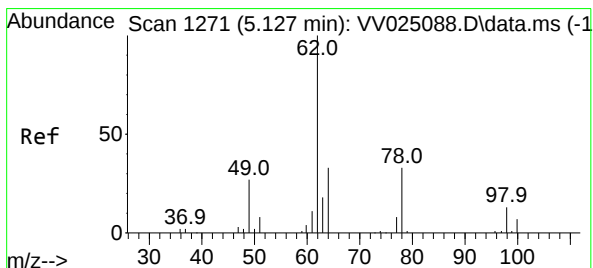
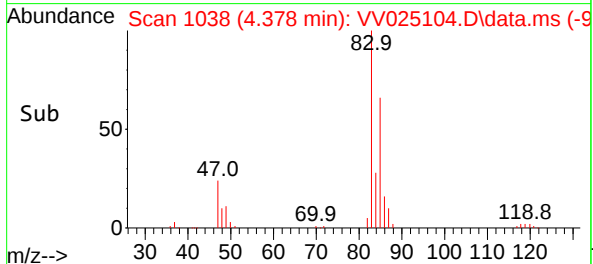
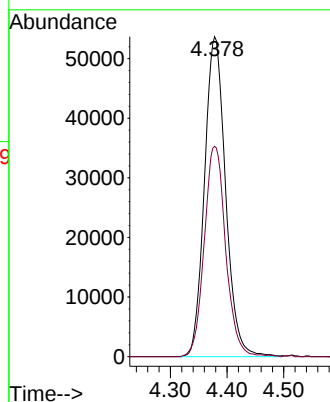
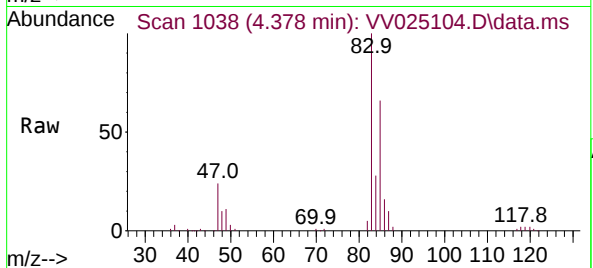
VSTD005339

Tgt Ion: 83 Resp: 138908

Ion Ratio Lower Upper

83 100

85 65.7 44.5 82.7



#27

1,2-Dichloroethane

Concen: 5.485 ug/L

RT: 5.133 min Scan# 1273

Delta R.T. 0.006 min

Lab File: VV025104.D

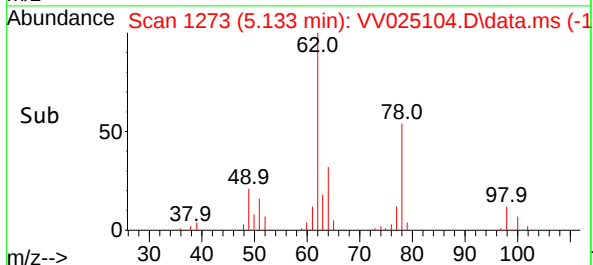
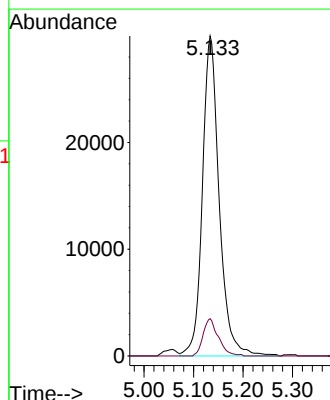
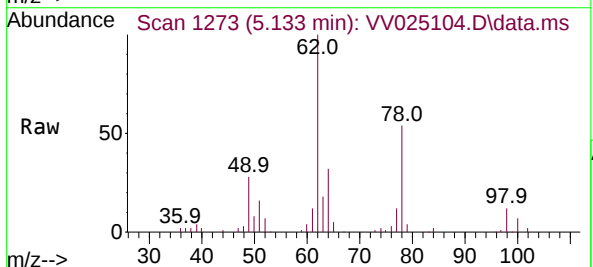
Acq: 18 Mar 2022 17:42

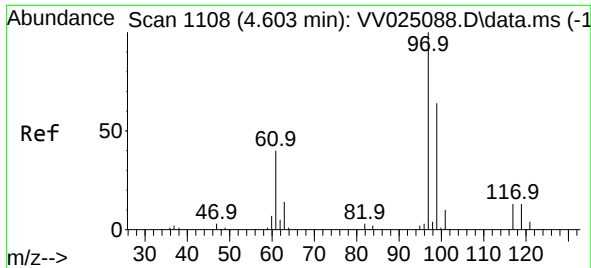
Tgt Ion: 62 Resp: 70690

Ion Ratio Lower Upper

62 100

98 11.7 9.0 13.4





#29

1,1,1-Trichloroethane

Concen: 5.485 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. 0.006 min

Lab File: VV025104.D

Acq: 18 Mar 2022 17:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD005339

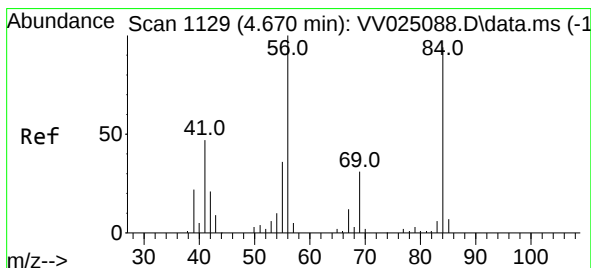
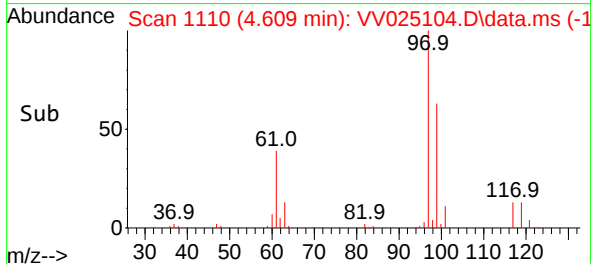
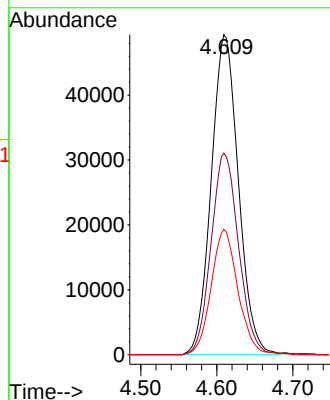
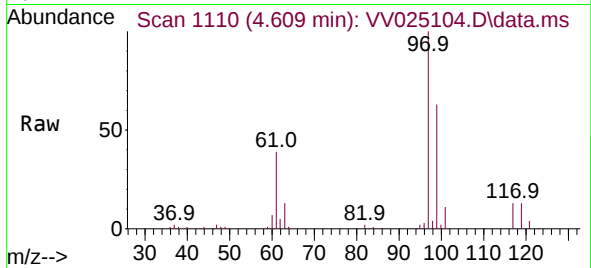
Tgt Ion: 97 Resp: 122450

Ion Ratio Lower Upper

97 100

99 63.8 50.7 76.1

61 38.7 32.4 48.6



#30

Cyclohexane

Concen: 5.203 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VV025104.D

Acq: 18 Mar 2022 17:42

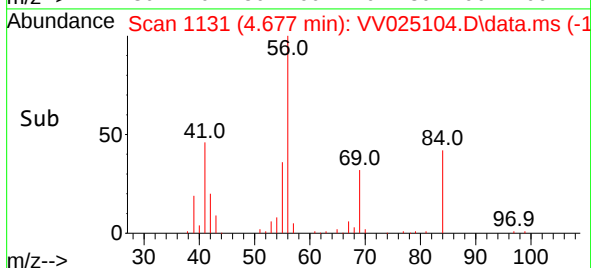
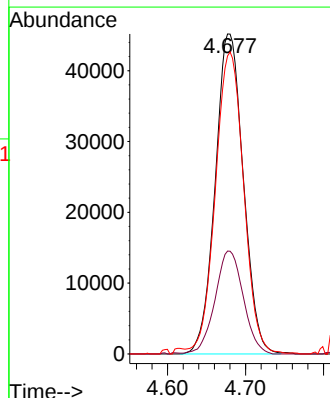
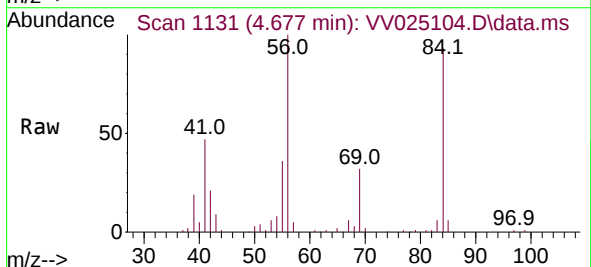
Tgt Ion: 56 Resp: 113024

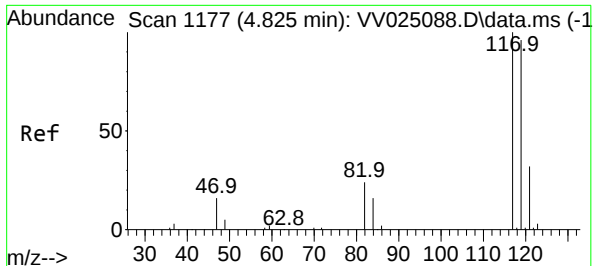
Ion Ratio Lower Upper

56 100

69 32.4 24.9 37.3

84 94.3 75.9 113.9

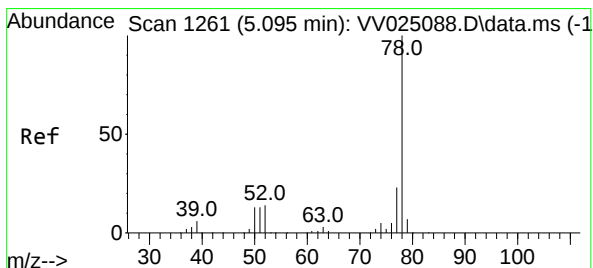
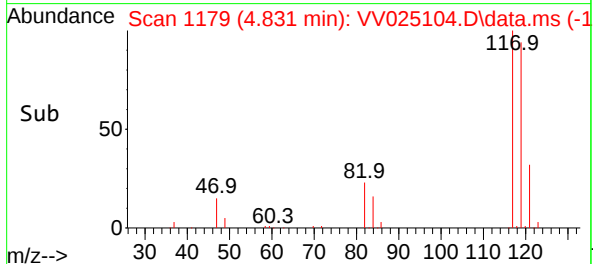
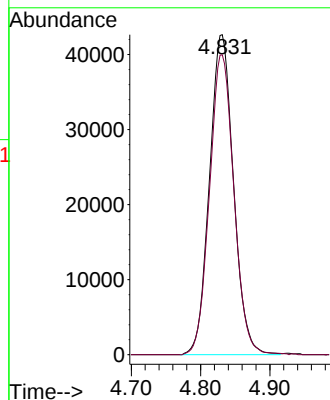
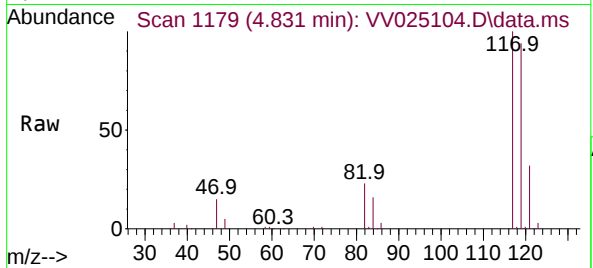




#31
Carbon tetrachloride
Concen: 5.363 ug/L
RT: 4.831 min Scan# 1177
Delta R.T. 0.006 min
Lab File: VV025104.D
Acq: 18 Mar 2022 17:42

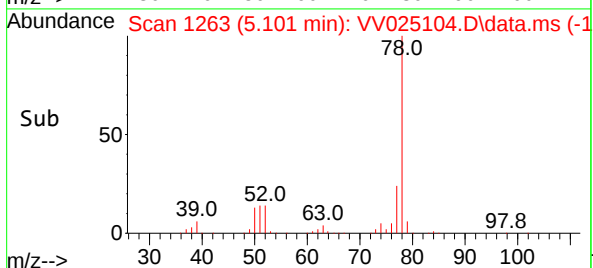
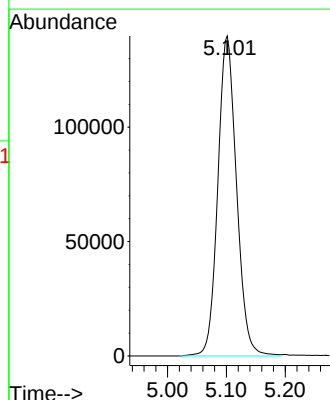
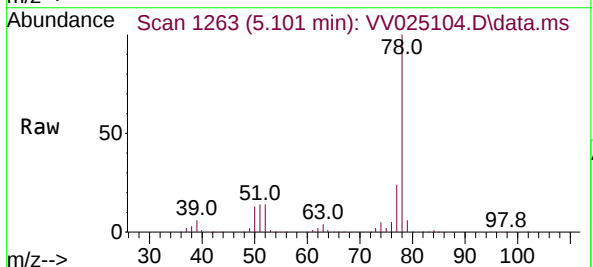
Instrument :
MSVOA_V
ClientSampleId :
VSTD005339

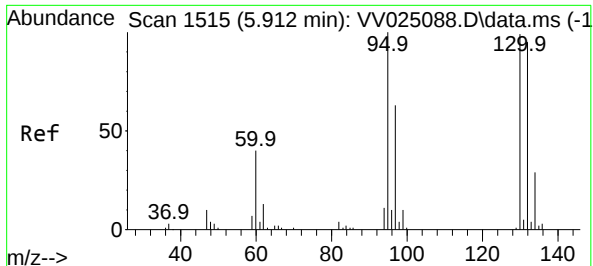
Tgt Ion:117 Resp: 102725
Ion Ratio Lower Upper
117 100
119 95.2 76.8 115.2



#33
Benzene
Concen: 5.423 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.006 min
Lab File: VV025104.D
Acq: 18 Mar 2022 17:42

Tgt Ion: 78 Resp: 308791





#34

Trichloroethene

Concen: 5.419 ug/L

RT: 5.915 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV025104.D

Acq: 18 Mar 2022 17:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD005339

Tgt Ion: 95 Resp: 82164

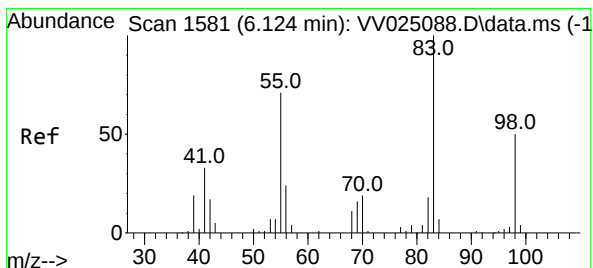
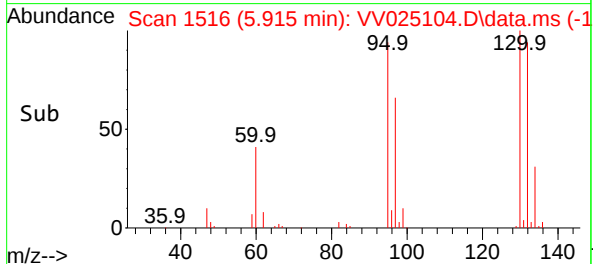
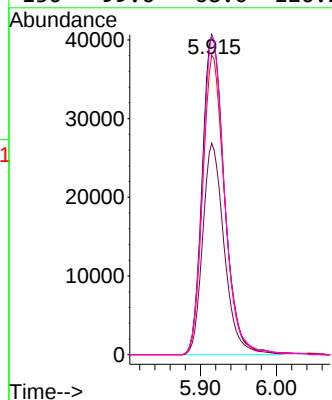
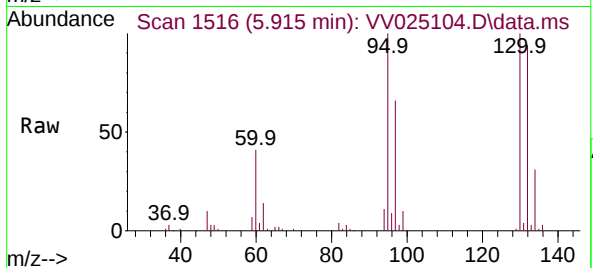
Ion Ratio Lower Upper

95 100

97 66.0 44.5 82.7

132 93.6 66.5 123.5

130 99.6 68.0 126.2



#35

Methylcyclohexane

Concen: 5.203 ug/L

RT: 6.130 min Scan# 1583

Delta R.T. 0.006 min

Lab File: VV025104.D

Acq: 18 Mar 2022 17:42

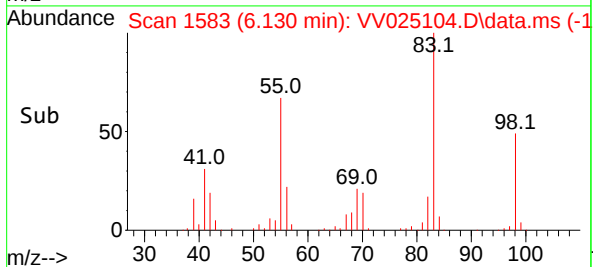
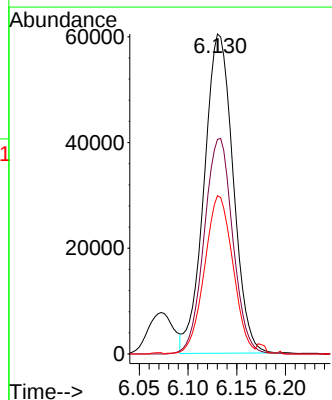
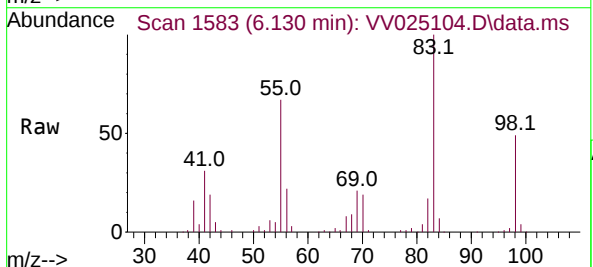
Tgt Ion: 83 Resp: 124886

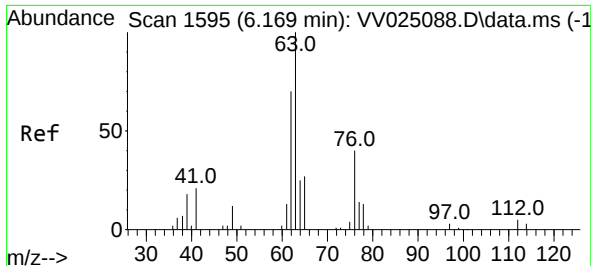
Ion Ratio Lower Upper

83 100

55 66.8 55.4 83.0

98 48.5 38.4 57.6





#37

1,2-Dichloropropane

Concen: 5.568 ug/L

RT: 6.175 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV025104.D

Acq: 18 Mar 2022 17:42

Instrument :

MSVOA_V

ClientSampleId :

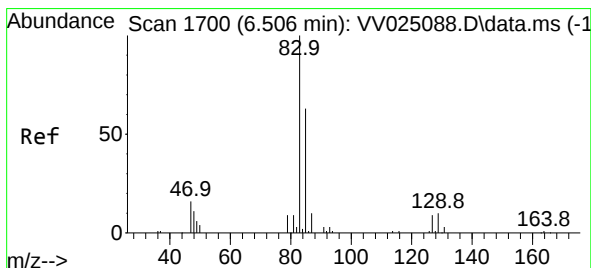
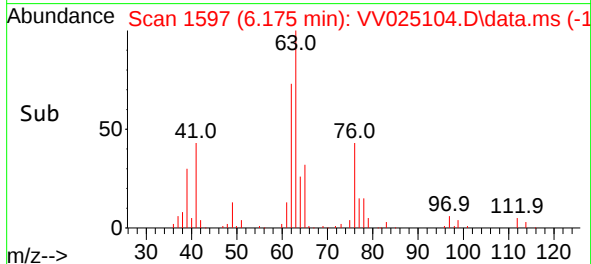
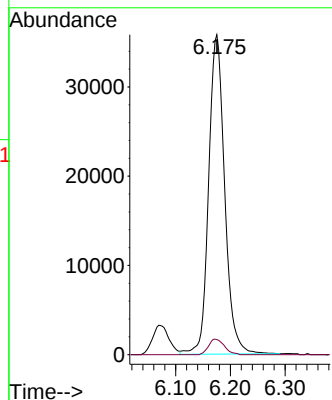
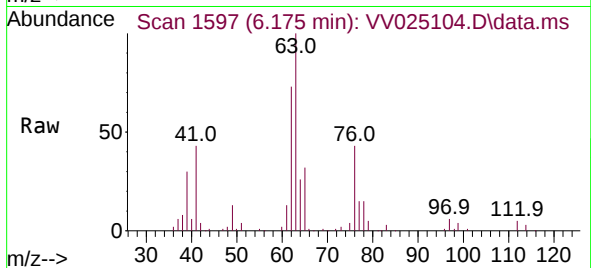
VSTD005339

Tgt Ion: 63 Resp: 72863

Ion Ratio Lower Upper

63 100

112 4.8 3.8 5.6



#38

Bromodichloromethane

Concen: 5.398 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VV025104.D

Acq: 18 Mar 2022 17:42

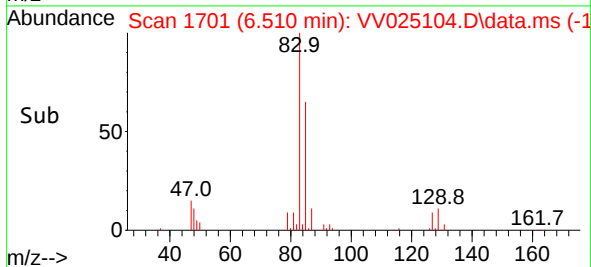
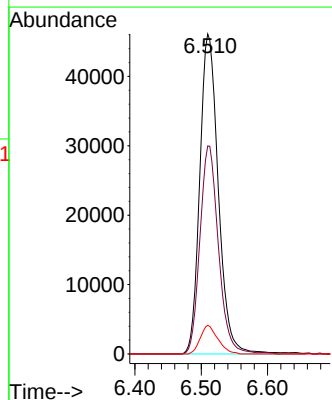
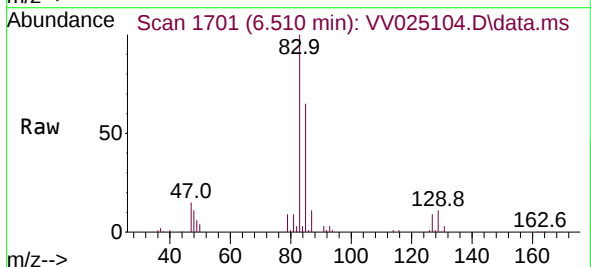
Tgt Ion: 83 Resp: 89323

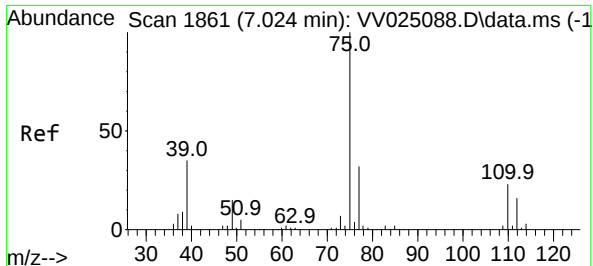
Ion Ratio Lower Upper

83 100

85 65.0 44.8 83.2

127 8.9 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 5.361 ug/L

RT: 7.027 min Scan# 1862

Delta R.T. 0.003 min

Lab File: VV025104.D

Acq: 18 Mar 2022 17:42

Instrument :

MSVOA_V

ClientSampleId :

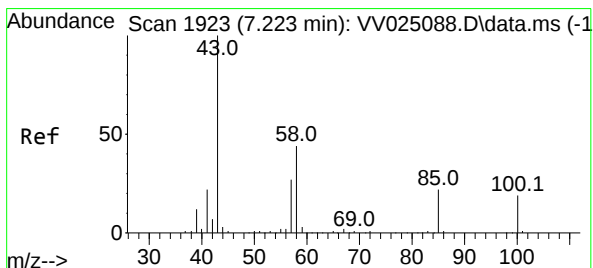
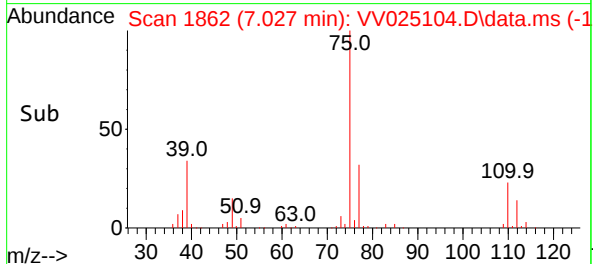
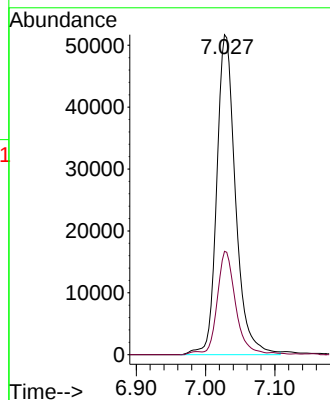
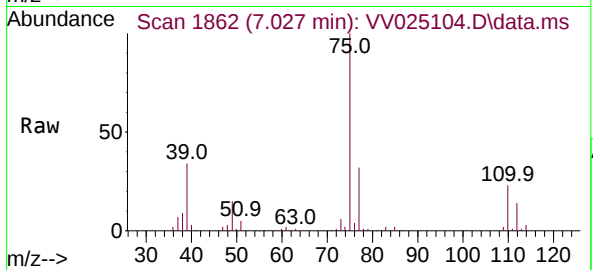
VSTD005339

Tgt Ion: 75 Resp: 97401

Ion Ratio Lower Upper

75 100

77 32.3 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 56.008 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.000 min

Lab File: VV025104.D

Acq: 18 Mar 2022 17:42

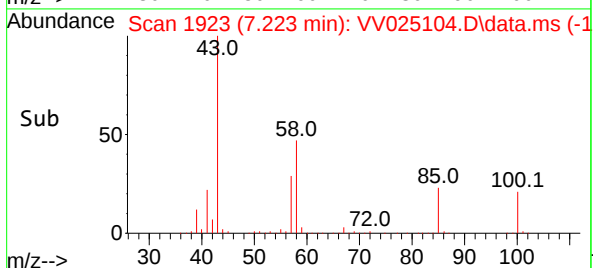
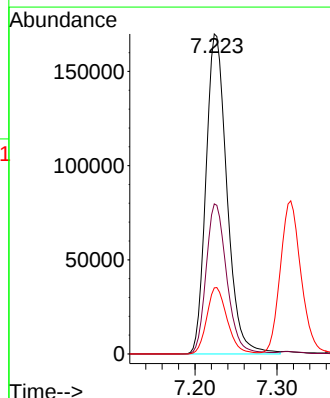
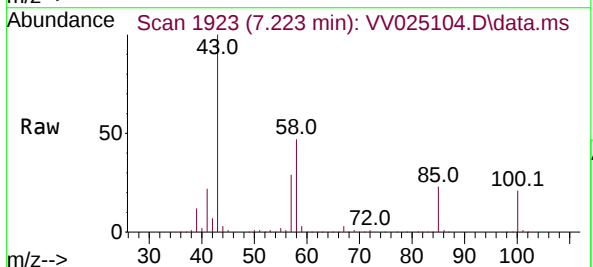
Tgt Ion: 43 Resp: 301574

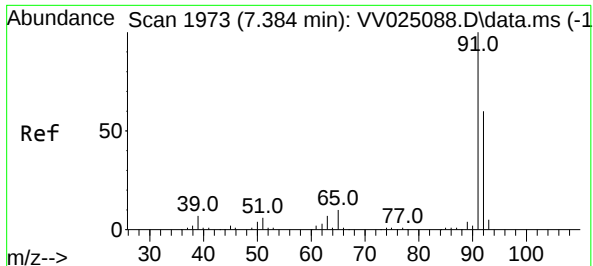
Ion Ratio Lower Upper

43 100

58 46.3 36.6 55.0

100 20.2 13.8 20.8





#42

Toluene

Concen: 5.530 ug/L

RT: 7.387 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV025104.D

Acq: 18 Mar 2022 17:42

Instrument :

MSVOA_V

ClientSampleId :

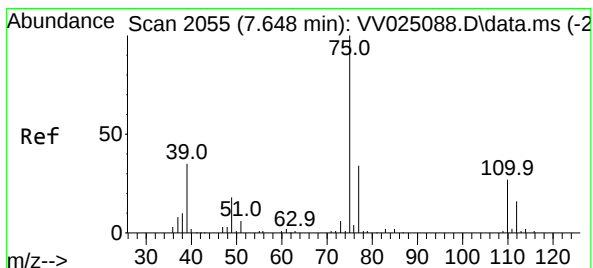
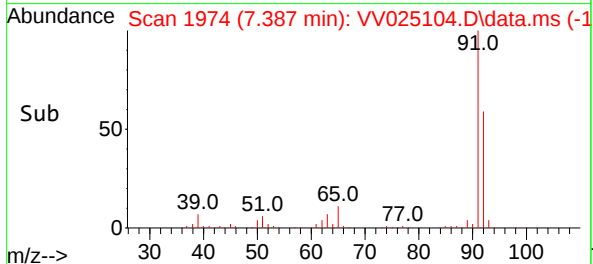
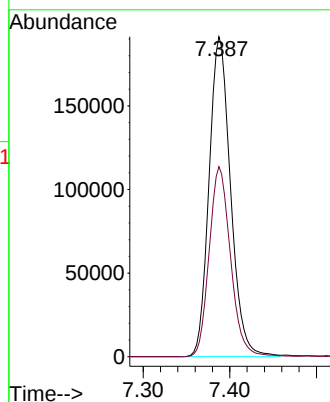
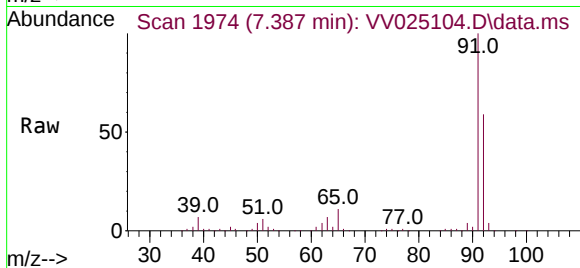
VSTD005339

Tgt Ion: 91 Resp: 329571

Ion Ratio Lower Upper

91 100

92 59.4 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 5.203 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.003 min

Lab File: VV025104.D

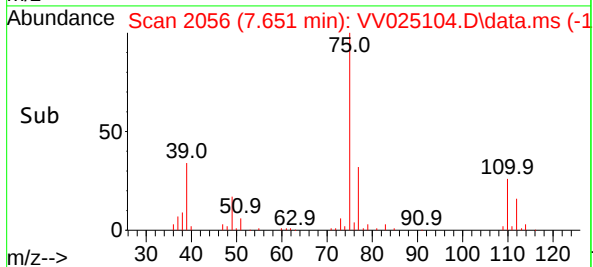
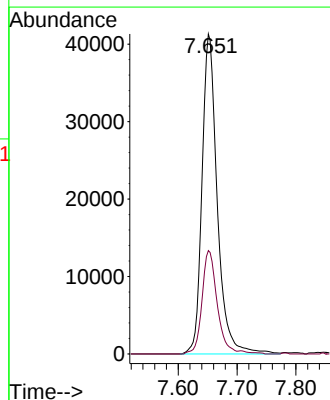
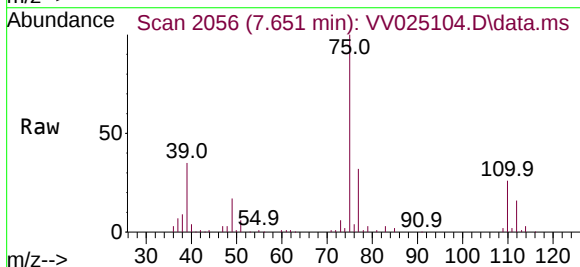
Acq: 18 Mar 2022 17:42

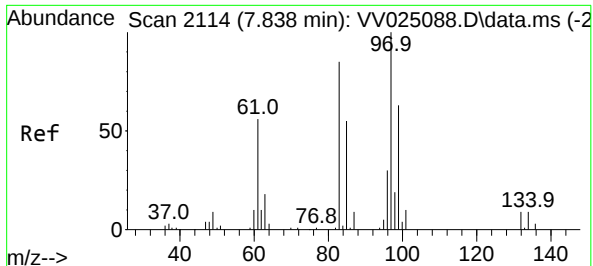
Tgt Ion: 75 Resp: 74378

Ion Ratio Lower Upper

75 100

77 32.3 23.0 42.6





#45

1,1,2-Trichloroethane

Concen: 5.594 ug/L

RT: 7.838 min Scan# 2114

Delta R.T. 0.000 min

Lab File: VV025104.D

Acq: 18 Mar 2022 17:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD005339

Tgt Ion: 97 Resp: 48893

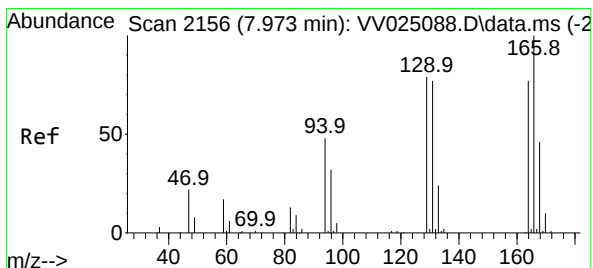
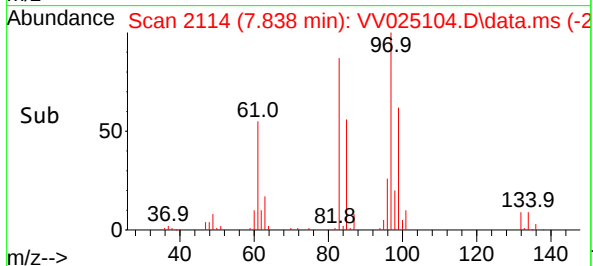
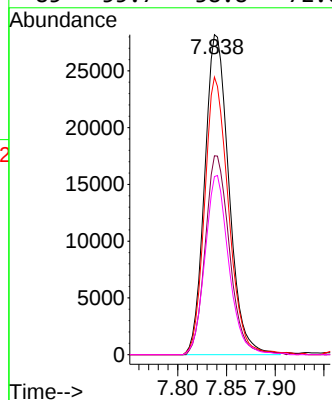
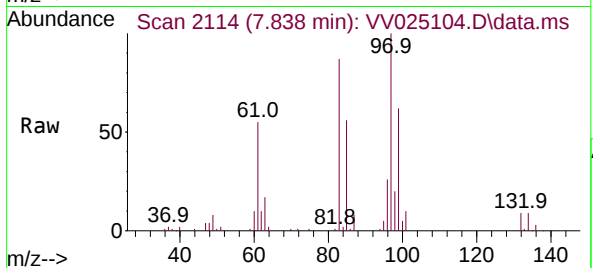
Ion Ratio Lower Upper

97 100

99 62.1 43.7 81.1

83 86.7 58.9 109.3

85 55.7 38.8 72.0



#47

Tetrachloroethene

Concen: 5.412 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV025104.D

Acq: 18 Mar 2022 17:42

Tgt Ion: 164 Resp: 57723

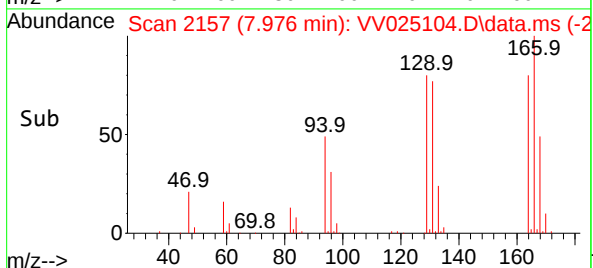
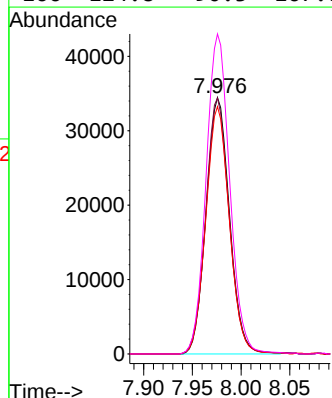
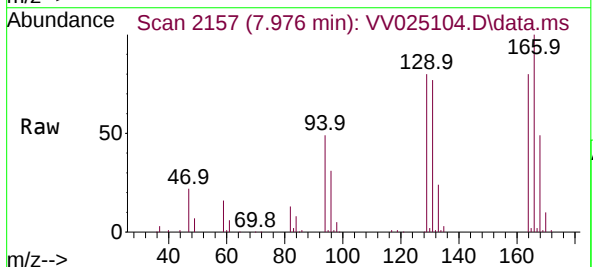
Ion Ratio Lower Upper

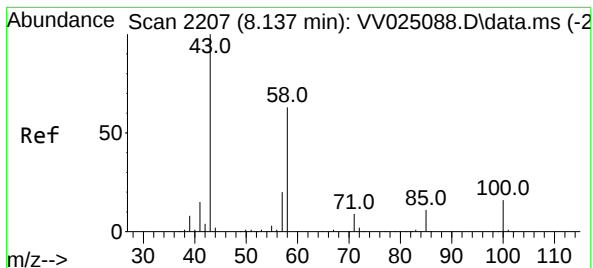
164 100

129 99.9 70.3 130.7

131 96.4 69.4 129.0

166 124.8 90.3 167.7





#48

2-Hexanone

Concen: 54.654 ug/L

RT: 8.137 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV025104.D

Acq: 18 Mar 2022 17:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD005339

Tgt Ion: 43 Resp: 208632

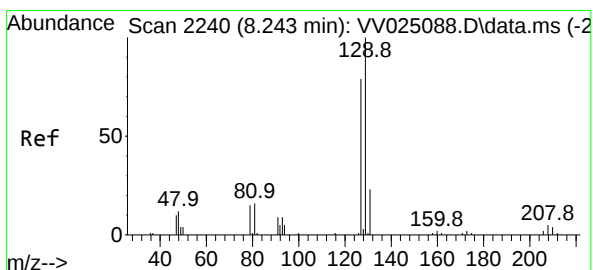
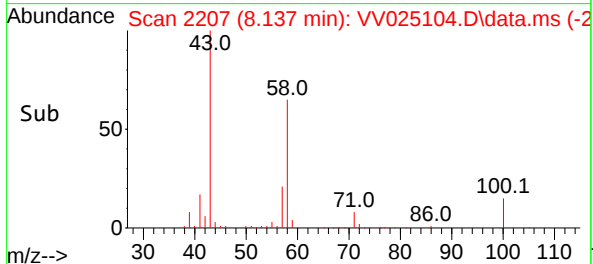
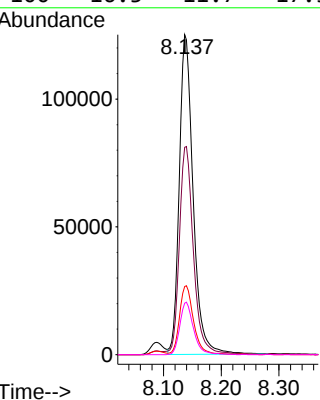
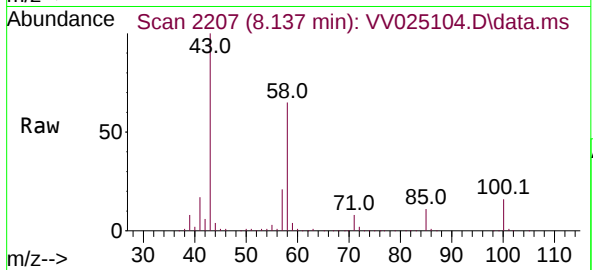
Ion Ratio Lower Upper

43 100

58 65.8 49.2 73.8

57 21.7 16.0 24.0

100 16.3 11.7 17.5



#49

Dibromochloromethane

Concen: 5.414 ug/L

RT: 8.246 min Scan# 2241

Delta R.T. 0.003 min

Lab File: VV025104.D

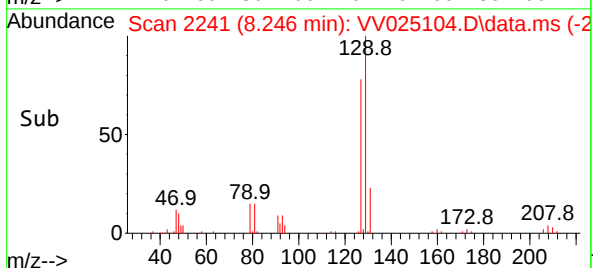
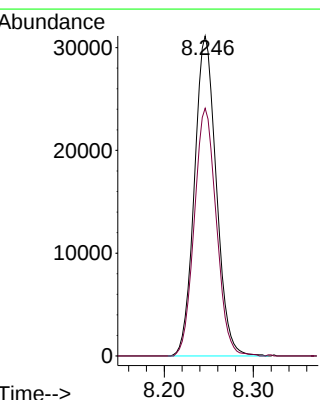
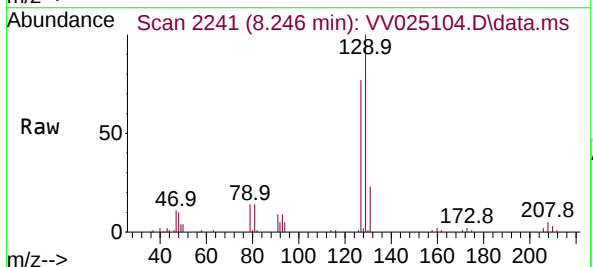
Acq: 18 Mar 2022 17:42

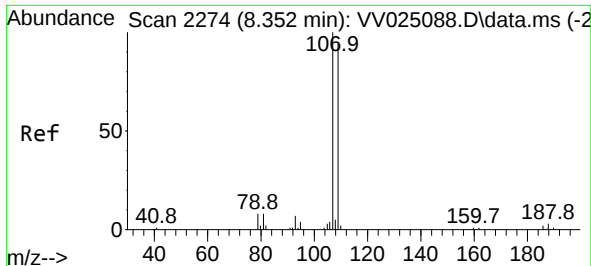
Tgt Ion:129 Resp: 52970

Ion Ratio Lower Upper

129 100

127 77.4 54.9 102.1





#50

1,2-Dibromoethane

Concen: 5.628 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV025104.D

Acq: 18 Mar 2022 17:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD005339

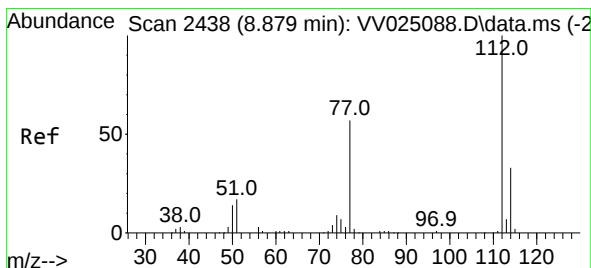
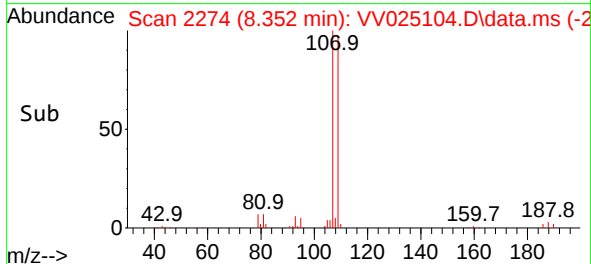
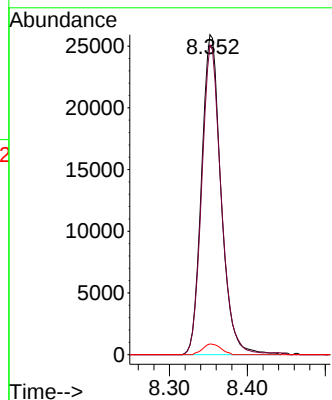
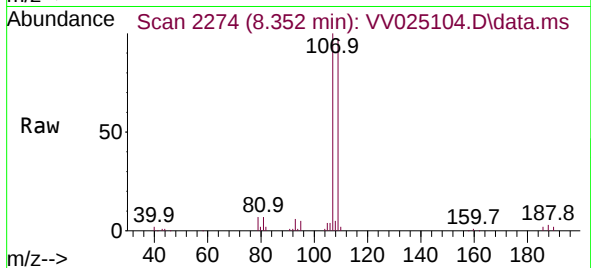
Tgt Ion:107 Resp: 45012

Ion Ratio Lower Upper

107 100

109 96.8 65.5 121.6

188 3.3 2.4 3.6



#51

Chlorobenzene

Concen: 5.628 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.000 min

Lab File: VV025104.D

Acq: 18 Mar 2022 17:42

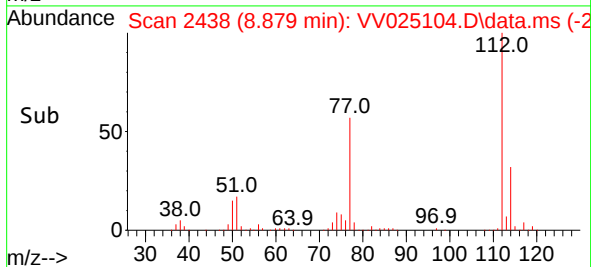
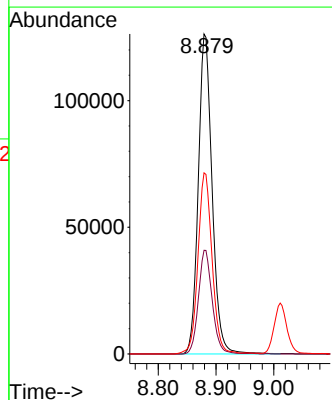
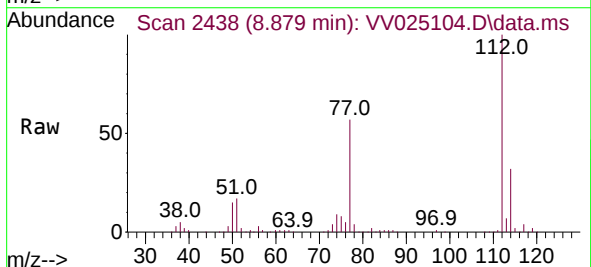
Tgt Ion:112 Resp: 210023

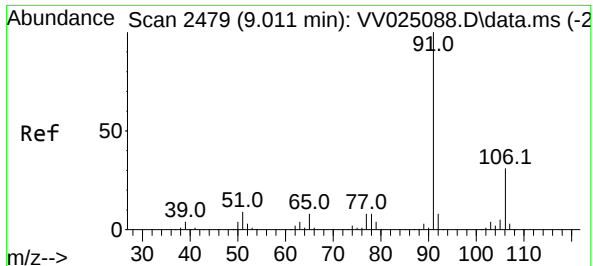
Ion Ratio Lower Upper

112 100

114 32.4 22.5 41.7

77 56.6 45.3 67.9





#52

Ethylbenzene

Concen: 5.683 ug/L

RT: 9.011 min Scan# 2479

Delta R.T. 0.000 min

Lab File: VV025104.D

Acq: 18 Mar 2022 17:42

Instrument :

MSVOA_V

ClientSampleId :

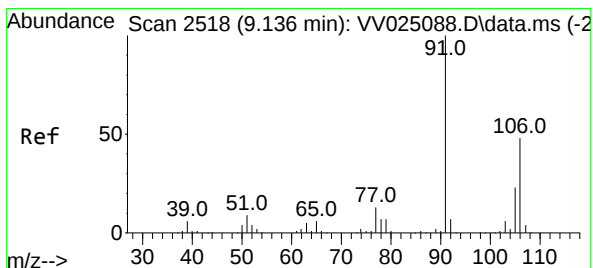
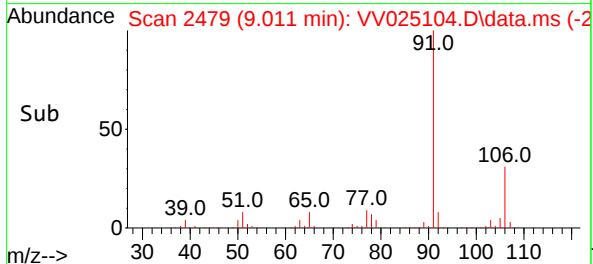
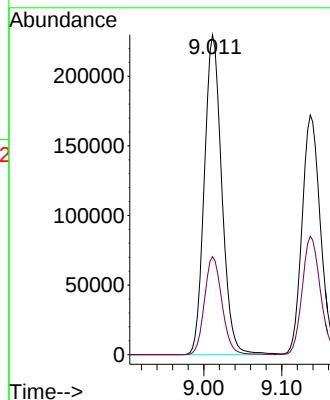
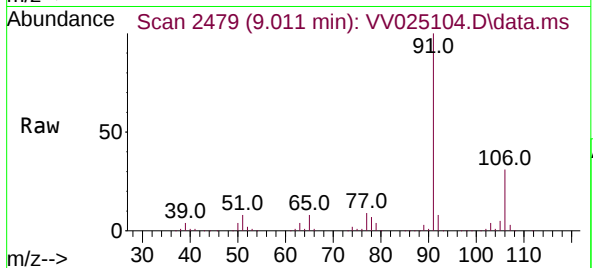
VSTD005339

Tgt Ion: 91 Resp: 358287

Ion Ratio Lower Upper

91 100

106 30.7 21.9 40.7



#53

m,p-xylene

Concen: 5.765 ug/L

RT: 9.137 min Scan# 2518

Delta R.T. 0.000 min

Lab File: VV025104.D

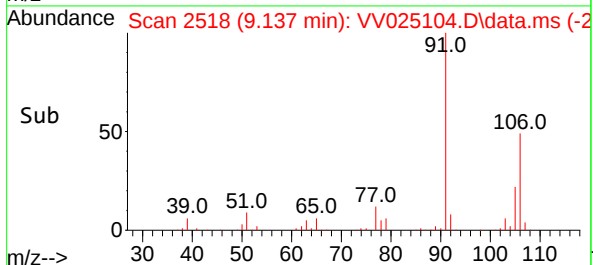
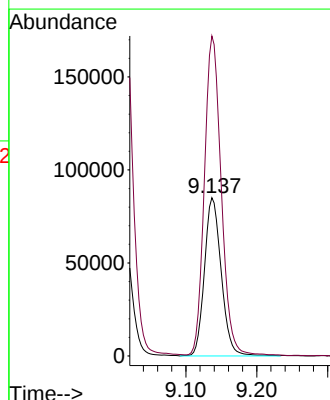
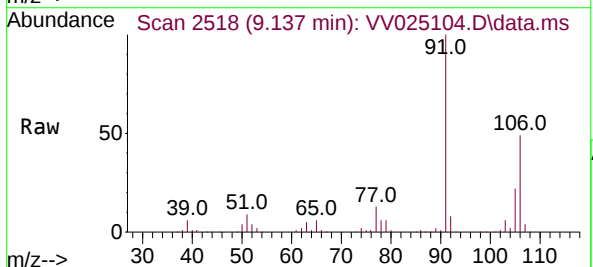
Acq: 18 Mar 2022 17:42

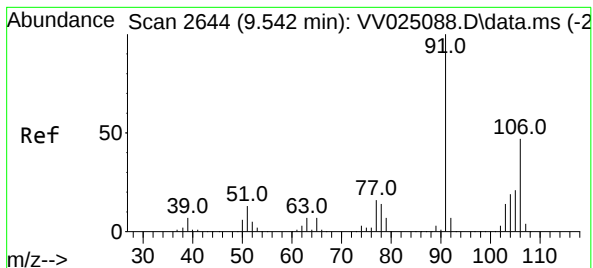
Tgt Ion:106 Resp: 139948

Ion Ratio Lower Upper

106 100

91 202.3 143.4 266.4





#54

o-xylene

Concen: 5.731 ug/L

RT: 9.542 min Scan# 2

Delta R.T. 0.000 min

Lab File: VV025104.D

Acq: 18 Mar 2022 17:42

Instrument :

MSVOA_V

ClientSampleId :

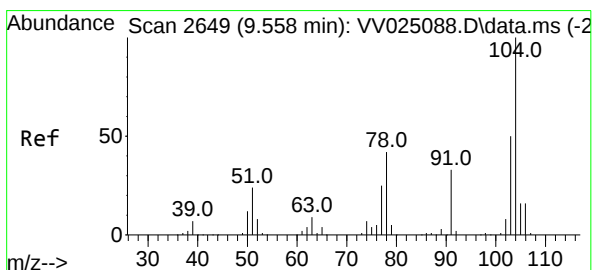
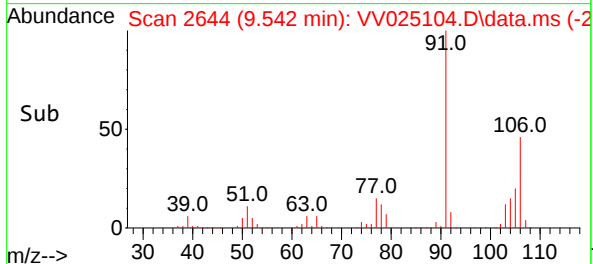
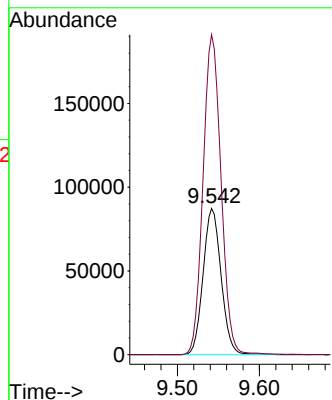
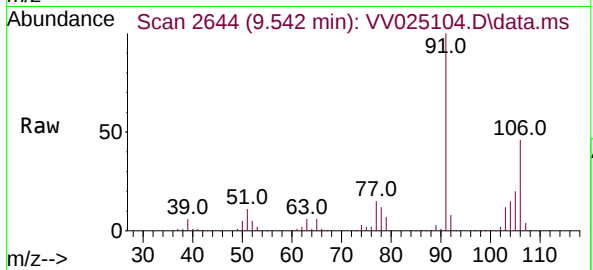
VSTD005339

Tgt Ion:106 Resp: 133041

Ion Ratio Lower Upper

106 100

91 218.8 146.7 272.5



#55

Styrene

Concen: 5.939 ug/L

RT: 9.558 min Scan# 2649

Delta R.T. 0.000 min

Lab File: VV025104.D

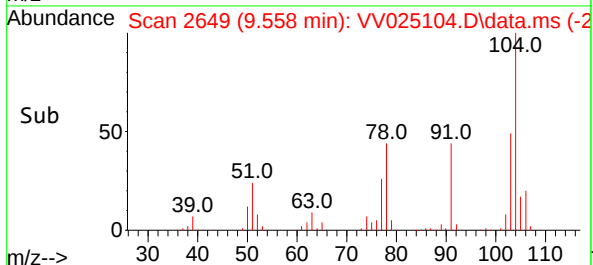
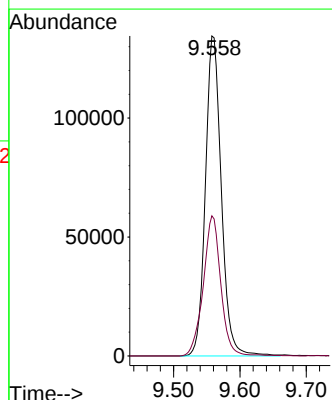
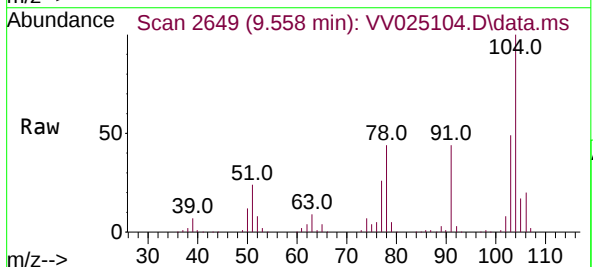
Acq: 18 Mar 2022 17:42

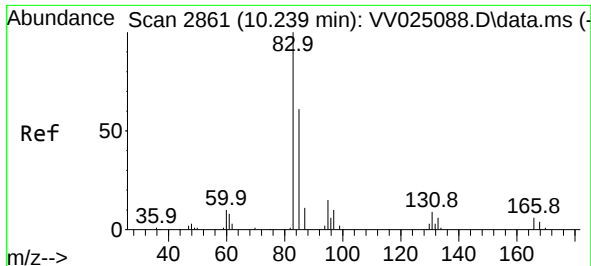
Tgt Ion:104 Resp: 224534

Ion Ratio Lower Upper

104 100

78 43.8 30.2 56.2





#57

1,1,2,2-Tetrachloroethane

Concen: 6.061 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. 0.000 min

Lab File: VV025104.D

Acq: 18 Mar 2022 17:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD005339

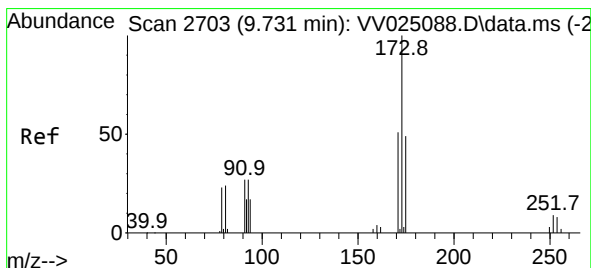
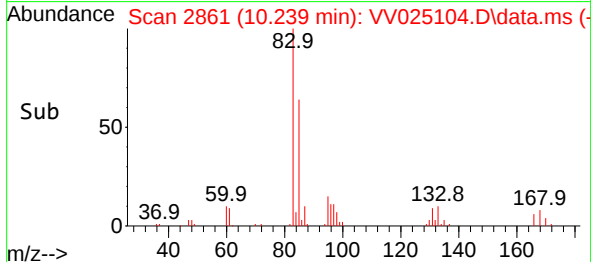
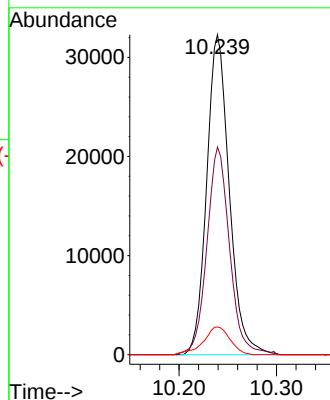
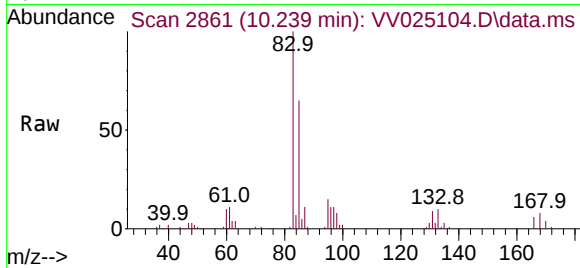
Tgt Ion: 83 Resp: 51936

Ion Ratio Lower Upper

83 100

85 64.9 43.9 81.5

131 8.7 7.5 11.3



#59

Bromoform

Concen: 4.860 ug/L

RT: 9.731 min Scan# 2703

Delta R.T. 0.000 min

Lab File: VV025104.D

Acq: 18 Mar 2022 17:42

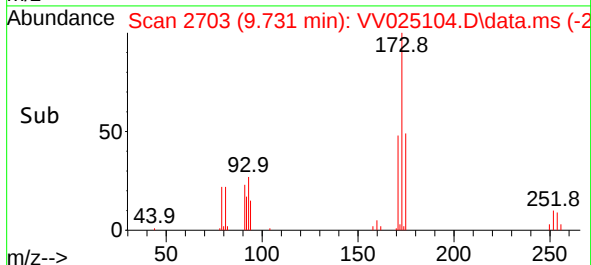
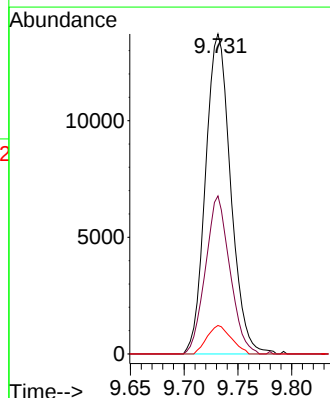
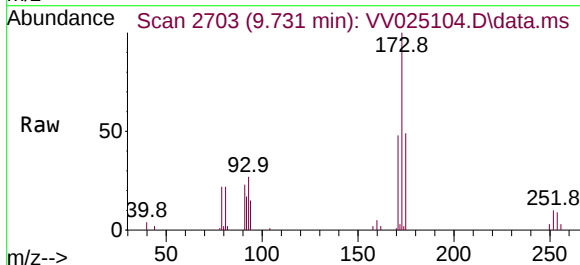
Tgt Ion: 173 Resp: 22332

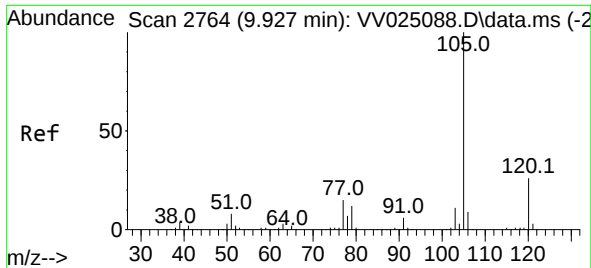
Ion Ratio Lower Upper

173 100

175 47.9 37.8 56.8

254 8.5 5.8 8.6

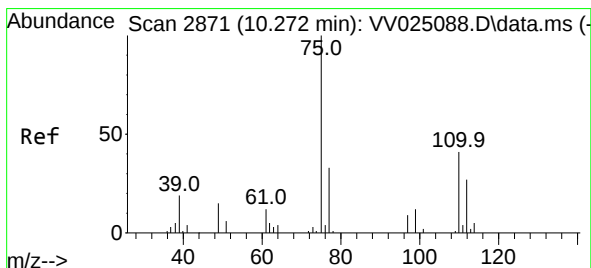
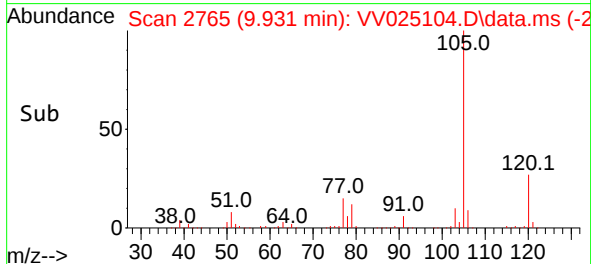
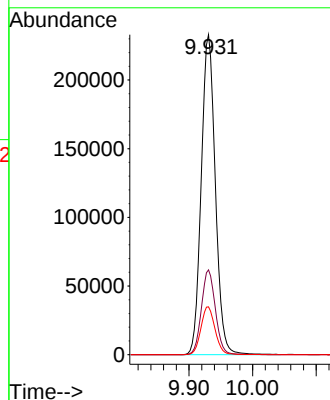
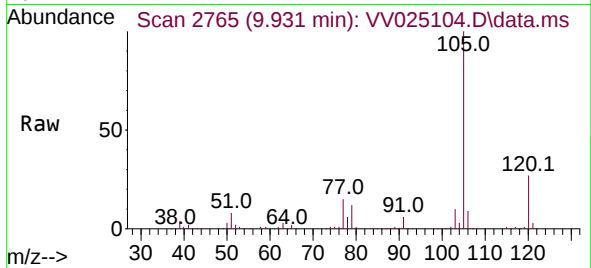




#60
Isopropylbenzene
Concen: 5.570 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. 0.003 min
Lab File: VV025104.D
Acq: 18 Mar 2022 17:42

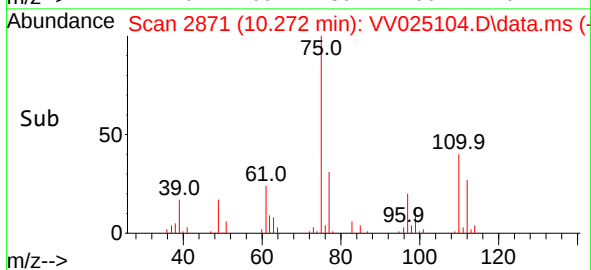
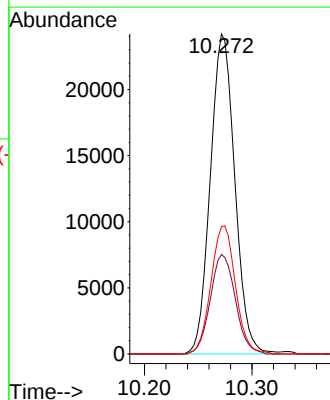
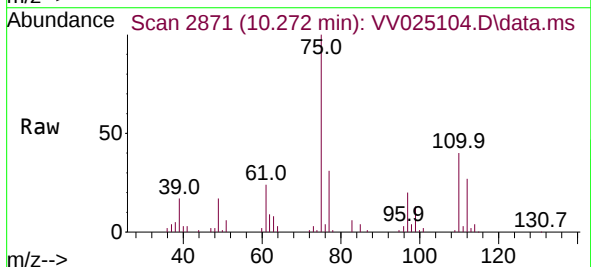
Instrument :
MSVOA_V
ClientSampleId :
VSTD005339

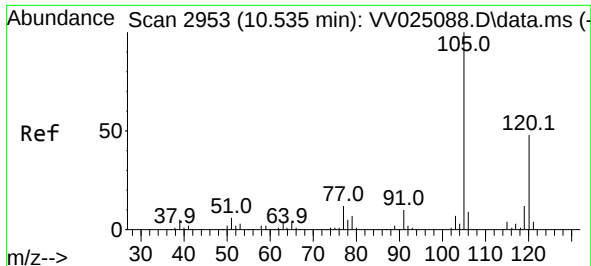
Tgt Ion:105 Resp: 358383
Ion Ratio Lower Upper
105 100
120 26.2 20.7 31.1
77 15.0 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 5.336 ug/L
RT: 10.272 min Scan# 2871
Delta R.T. 0.000 min
Lab File: VV025104.D
Acq: 18 Mar 2022 17:42

Tgt Ion: 75 Resp: 38292
Ion Ratio Lower Upper
75 100
77 31.7 25.7 38.5
110 40.1 31.2 46.8

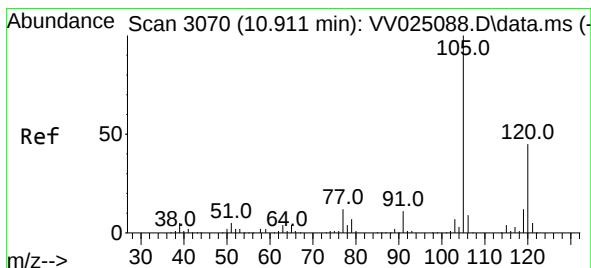
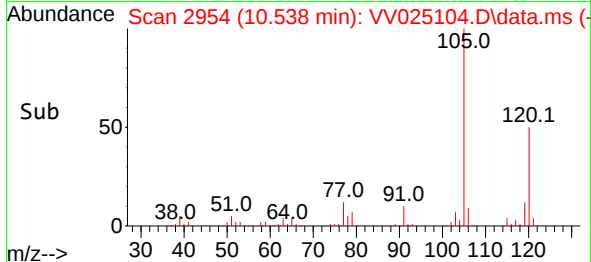
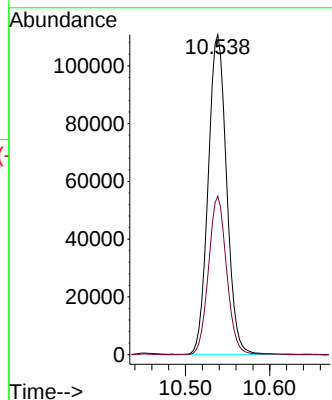
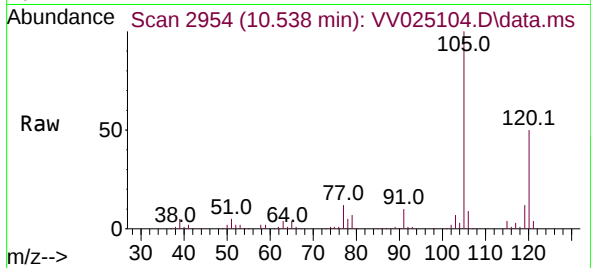




#62
 1,3,5-Trimethylbenzene
 Concen: 5.761 ug/L
 RT: 10.538 min Scan# 2953
 Delta R.T. 0.003 min
 Lab File: VV025104.D
 Acq: 18 Mar 2022 17:42

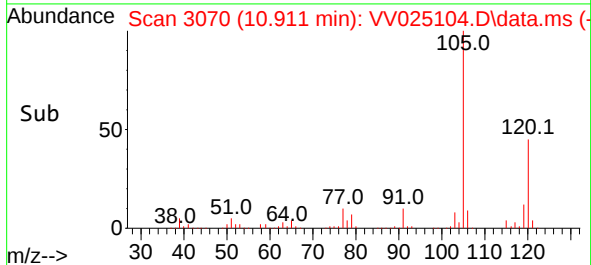
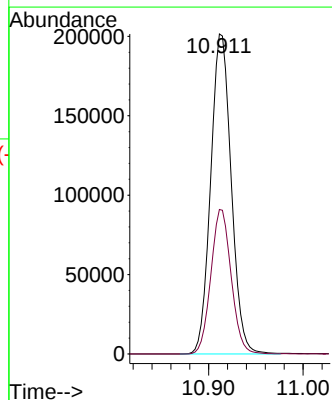
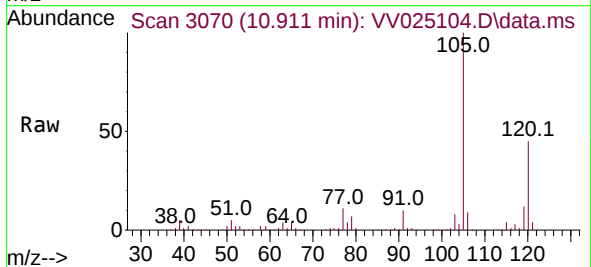
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005339

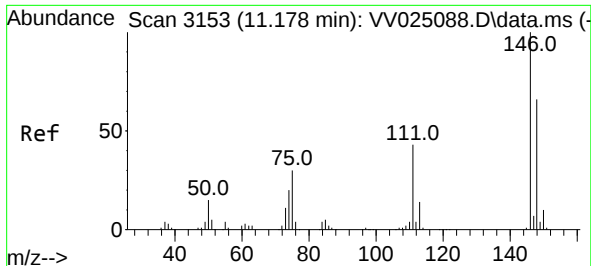
Tgt Ion:105 Resp: 168215
 Ion Ratio Lower Upper
 105 100
 120 48.9 38.5 57.7



#63
 1,2,4-Trimethylbenzene
 Concen: 5.881 ug/L
 RT: 10.911 min Scan# 3070
 Delta R.T. 0.000 min
 Lab File: VV025104.D
 Acq: 18 Mar 2022 17:42

Tgt Ion:105 Resp: 304098
 Ion Ratio Lower Upper
 105 100
 120 44.6 35.8 53.8

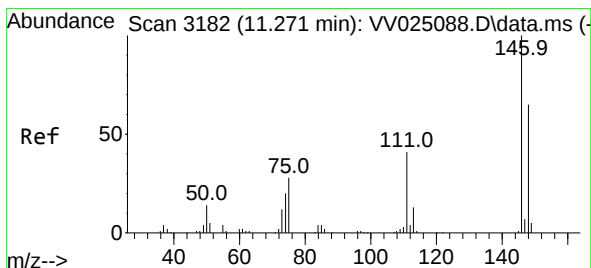
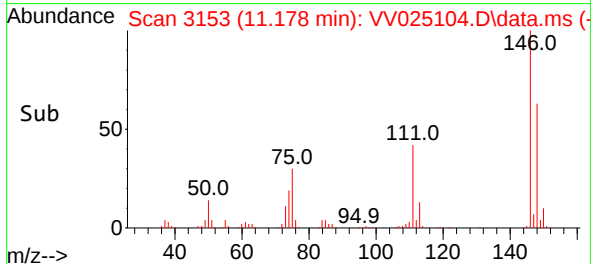
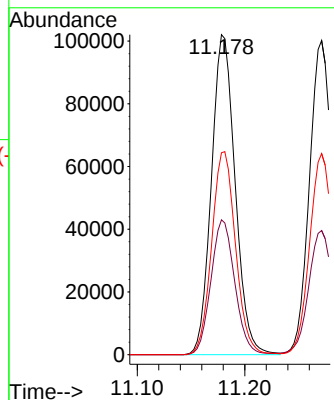
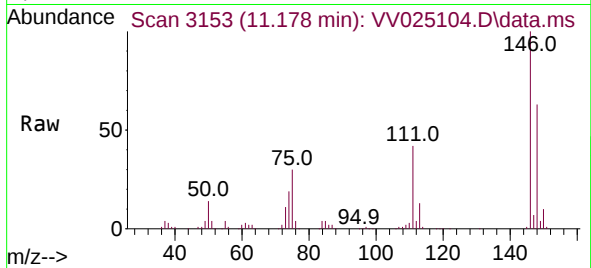




#64
1,3-Dichlorobenzene
Concen: 5.603 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VV025104.D
Acq: 18 Mar 2022 17:42

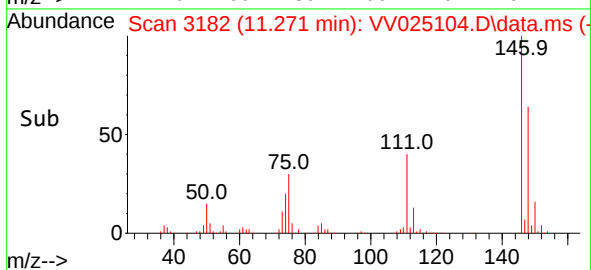
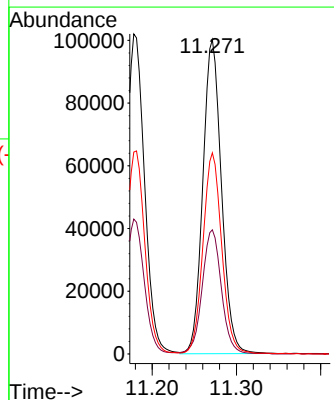
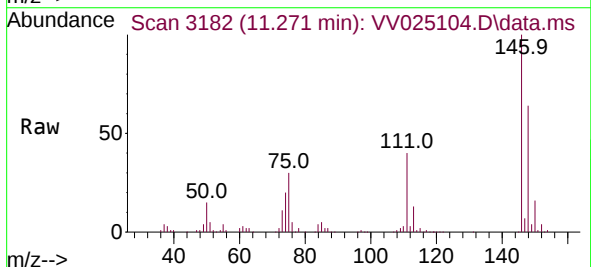
Instrument :
MSVOA_V
ClientSampleId :
VSTD005339

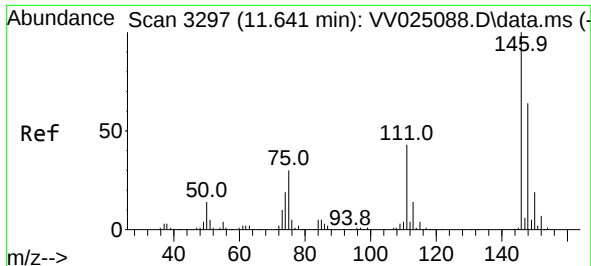
Tgt Ion:146 Resp: 156403
Ion Ratio Lower Upper
146 100
111 42.2 29.2 54.2
148 63.1 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 5.486 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV025104.D
Acq: 18 Mar 2022 17:42

Tgt Ion:146 Resp: 154365
Ion Ratio Lower Upper
146 100
111 39.5 28.2 52.4
148 64.0 43.8 81.4

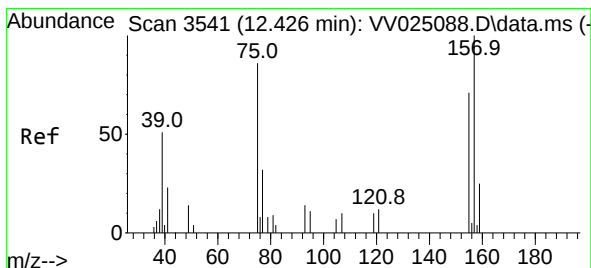
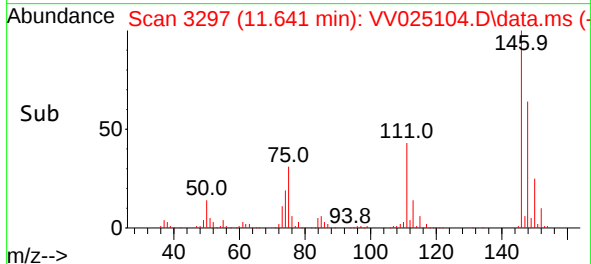
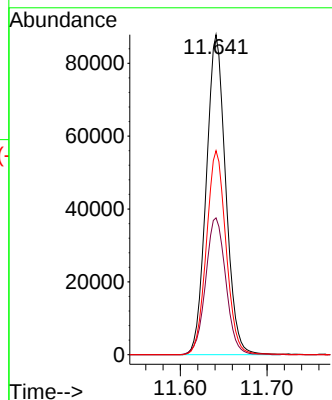
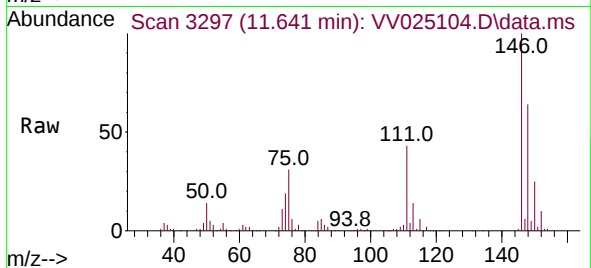




#67
1,2-Dichlorobenzene
Concen: 5.537 ug/L
RT: 11.641 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV025104.D
Acq: 18 Mar 2022 17:42

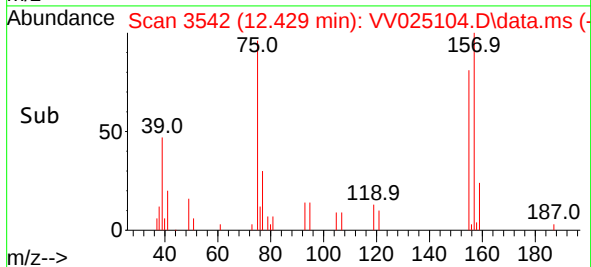
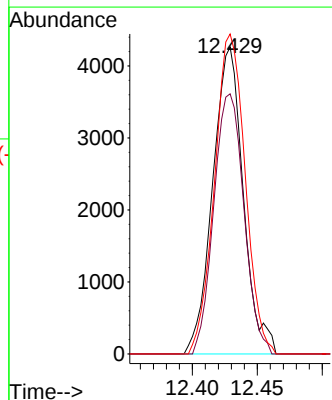
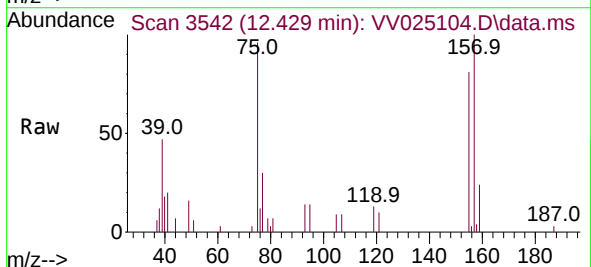
Instrument :
MSVOA_V
ClientSampleId :
VSTD005339

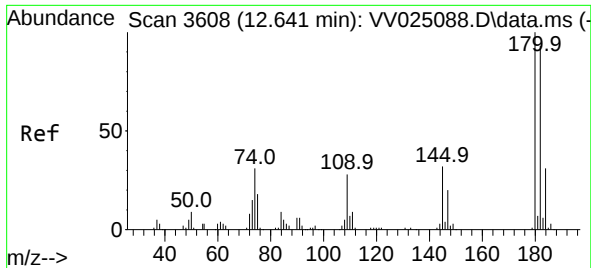
Tgt Ion:146 Resp: 136954
Ion Ratio Lower Upper
146 100
111 42.8 35.5 53.3
148 63.7 49.7 74.5



#68
1,2-Dibromo-3-chloropropane
Concen: 5.661 ug/L
RT: 12.429 min Scan# 3542
Delta R.T. 0.003 min
Lab File: VV025104.D
Acq: 18 Mar 2022 17:42

Tgt Ion: 75 Resp: 6963
Ion Ratio Lower Upper
75 100
155 84.8 65.9 98.9
157 104.3 89.7 134.5





#69

1,3,5-Trichlorobenzene

Concen: 5.571 ug/L

RT: 12.644 min Scan# 3609

Delta R.T. 0.003 min

Lab File: VV025104.D

Acq: 18 Mar 2022 17:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD005339

Tgt Ion:180 Resp: 109839

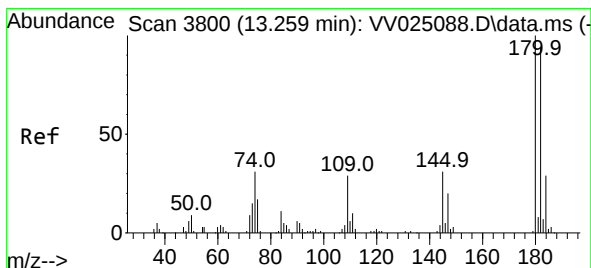
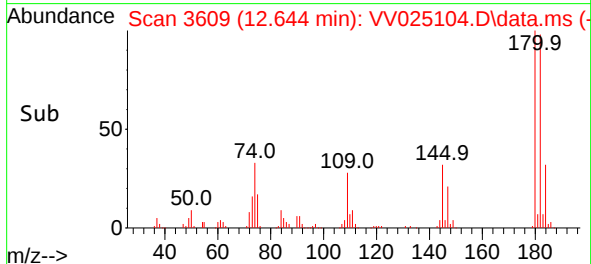
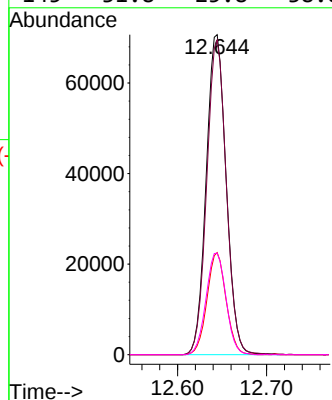
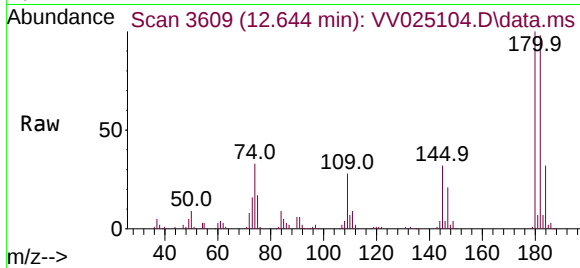
Ion Ratio Lower Upper

180 100

182 96.4 75.4 113.0

184 30.5 24.2 36.4

145 31.8 25.8 38.8



#70

1,2,4-trichlorobenzene

Concen: 5.855 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. 0.000 min

Lab File: VV025104.D

Acq: 18 Mar 2022 17:42

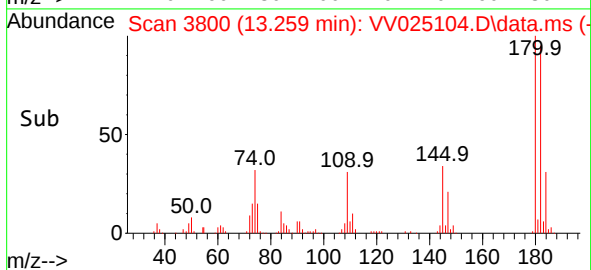
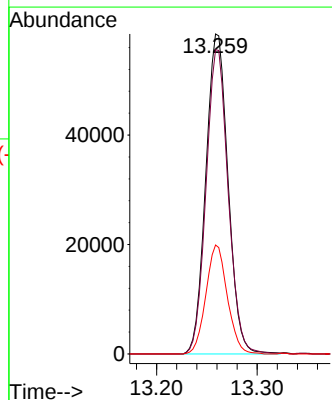
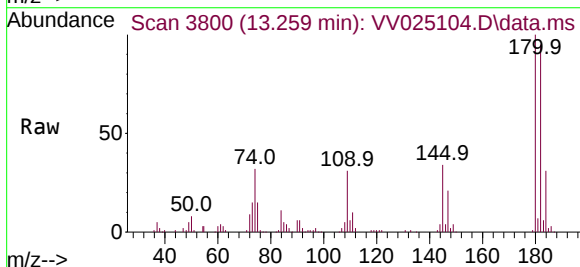
Tgt Ion:180 Resp: 89944

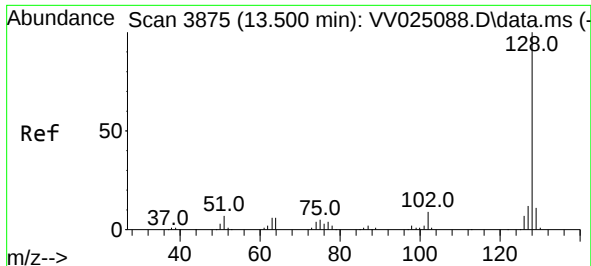
Ion Ratio Lower Upper

180 100

182 94.6 74.6 112.0

145 32.7 26.1 39.1

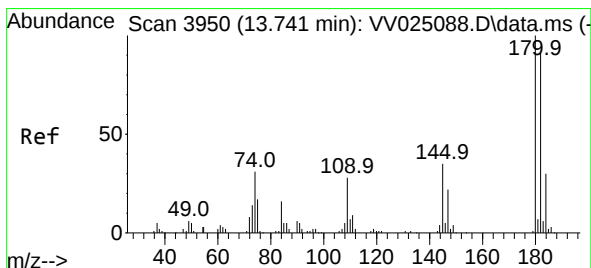
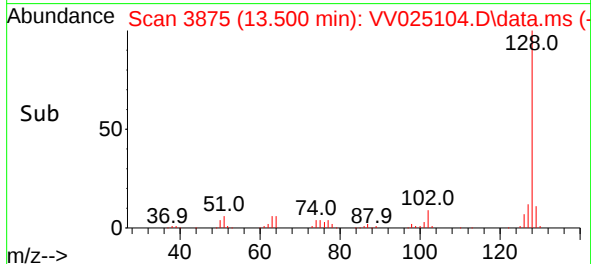
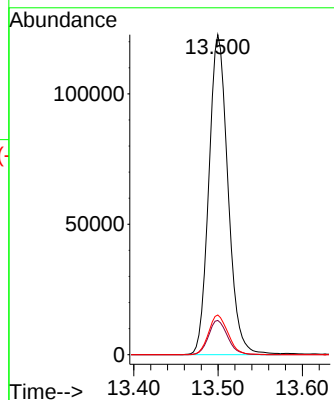
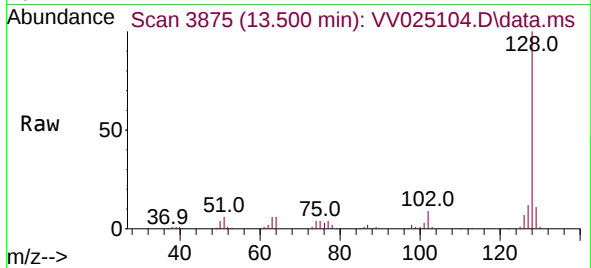




#71
Naphthalene
Concen: 7.592 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. 0.000 min
Lab File: VV025104.D
Acq: 18 Mar 2022 17:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD005339

Tgt Ion:128 Resp: 193652
Ion Ratio Lower Upper
128 100
129 10.7 8.5 12.7
127 12.6 9.8 14.8



#72
1,2,3-Trichlorobenzene
Concen: 5.772 ug/L
RT: 13.741 min Scan# 3950
Delta R.T. 0.000 min
Lab File: VV025104.D
Acq: 18 Mar 2022 17:42

Tgt Ion:180 Resp: 75131
Ion Ratio Lower Upper
180 100
182 95.3 74.8 112.2
145 34.7 27.6 41.4

