

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042122\
 Data File : VU048162.D
 Acq On : 21 Apr 2022 09:57
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050092

Quant Time: Apr 22 01:43:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 21 02:37:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	335357	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	348615	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	200316	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	121236	49.853	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.700%
7) Chloroethane-d5	1.912	69	98500	51.368	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.740%
11) 1,1-Dichloroethene-d2	2.572	63	210089	47.218	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.440%
21) 2-Butanone-d5	4.623	46	198973	95.323	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.320%
24) Chloroform-d	5.067	84	229171	51.502	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.000%
26) 1,2-Dichloroethane-d4	5.706	65	135979	49.826	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.660%
32) Benzene-d6	5.732	84	451807	51.505	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.000%
36) 1,2-Dichloropropane-d6	6.694	67	144704	53.713	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.420%
41) Toluene-d8	7.899	98	416240	48.702	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.400%
43) trans-1,3-Dichloroprop...	8.182	79	60180	44.093	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.180%
47) 2-Hexanone-d5	8.636	63	141894	89.973	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.970%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	229098	49.552	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.100%
66) 1,2-Dichlorobenzene-d4	12.195	152	175056	49.120	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.240%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	133390	42.903	ug/L	100
3) Chloromethane	1.523	50	144513	48.603	ug/L	99
5) Vinyl chloride	1.607	62	149829	49.409	ug/L	98
6) Bromomethane	1.855	94	62051	38.018	ug/L	98
8) Chloroethane	1.935	64	91394	48.010	ug/L	95
9) Trichlorofluoromethane	2.141	101	196987	46.066	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	124238	50.262	ug/L	99
12) 1,1-Dichloroethene	2.584	96	112905	49.081	ug/L	85
13) Acetone	2.629	43	144808	74.548	ug/L	98
14) Carbon disulfide	2.797	76	283899	39.043	ug/L	99
15) Methyl Acetate	2.951	43	163767	52.871	ug/L	96
16) Methylene chloride	3.051	84	144433	54.715	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	120440	48.541	ug/L	97
18) Methyl tert-butyl Ether	3.366	73	368933	52.704	ug/L	98
19) 1,1-Dichloroethane	3.874	63	237107	55.409	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	139946	51.447	ug/L	95
22) 2-Butanone	4.703	43	228988	91.513	ug/L	96
23) Bromochloromethane	4.977	128	80417	53.845	ug/L	97
25) Chloroform	5.092	83	253773	55.083	ug/L	100

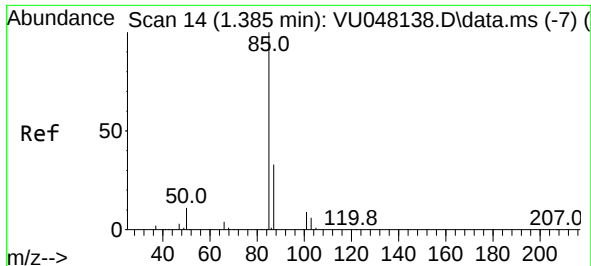
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	184668	51.881	ug/L	97
29) Cyclohexane	5.391	56	167920	47.469	ug/L	95
30) 1,1,1-Trichloroethane	5.321	97	206977	52.360	ug/L	99
31) Carbon tetrachloride	5.526	117	175448	49.152	ug/L	99
33) Benzene	5.777	78	546572	54.166	ug/L	100
34) Trichloroethene	6.546	95	134246	50.745	ug/L	99
35) Methylcyclohexane	6.768	83	179830	44.682	ug/L	97
37) 1,2-Dichloropropane	6.793	63	148022	57.703	ug/L	100
38) Bromodichloromethane	7.108	83	188655	53.555	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	192487	48.360	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	413782	102.060	ug/L	99
42) Toluene	7.973	91	583057	52.661	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	191778	48.257	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	151114	55.545	ug/L	99
46) Tetrachloroethene	8.555	164	113185	47.610	ug/L	98
48) 2-Hexanone	8.687	43	331878	95.163	ug/L	99
49) Dibromochloromethane	8.812	129	161835	51.359	ug/L	99
50) 1,2-Dibromoethane	8.925	107	157280	51.567	ug/L	98
51) Chlorobenzene	9.449	112	412161	54.825	ug/L	99
52) Ethylbenzene	9.571	91	580644	49.876	ug/L	100
53) m,p-Xylene	9.697	106	237880	52.075	ug/L	97
54) o-Xylene	10.102	106	231153	51.558	ug/L	99
55) Styrene	10.118	104	401615	52.468	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	268637	52.670	ug/L	98
59) Bromoform	10.291	173	132957	51.906	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	208348	55.173	ug/L	98
61) Isopropylbenzene	10.488	105	582682	53.822	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	289958	49.363	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	466276	52.259	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	316399	52.581	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	335153	53.773	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	334744	55.597	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	60943	50.381	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	237128	48.522	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	206862	48.326	ug/L	99
71) Naphthalene	14.089	128	609314	47.745	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	218948	51.023	ug/L	100

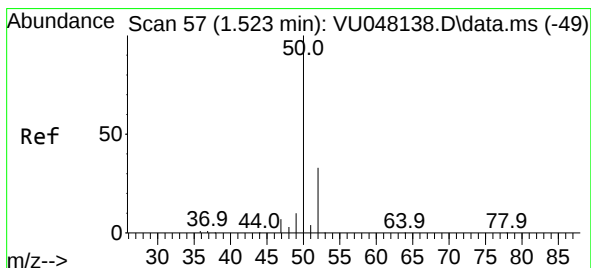
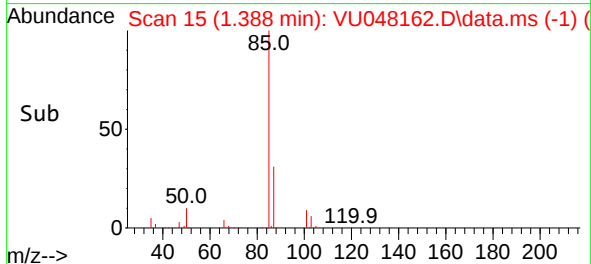
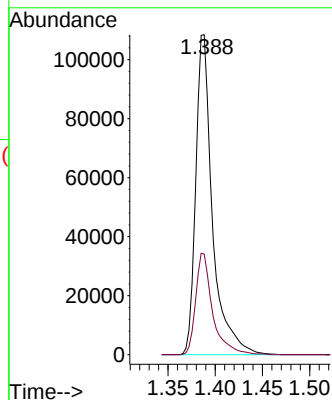
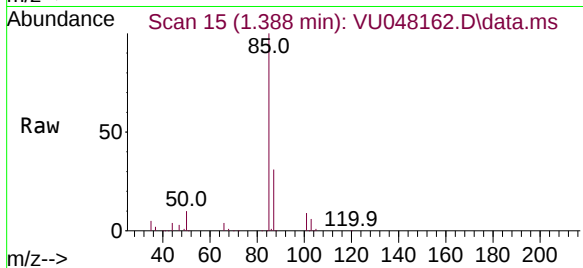
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#2
Dichlorodifluoromethane
Concen: 42.903 ug/L
RT: 1.388 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

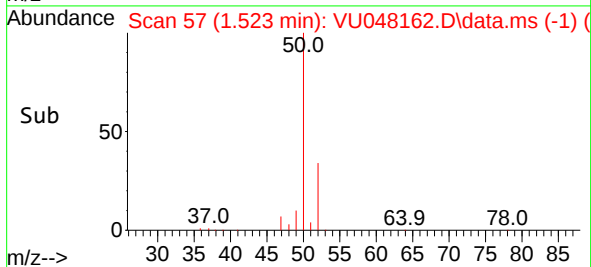
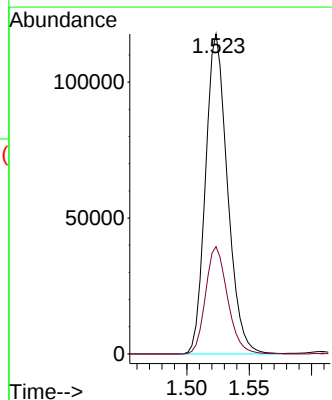
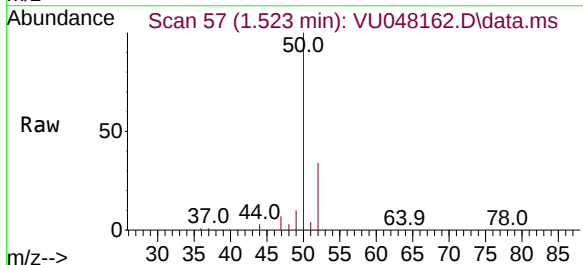
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

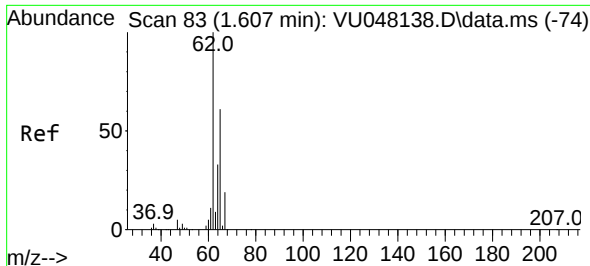
Tgt Ion: 85 Resp: 133390
Ion Ratio Lower Upper
85 100
87 32.1 25.8 38.8



#3
Chloromethane
Concen: 48.603 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

Tgt Ion: 50 Resp: 144513
Ion Ratio Lower Upper
50 100
52 33.6 23.2 43.2

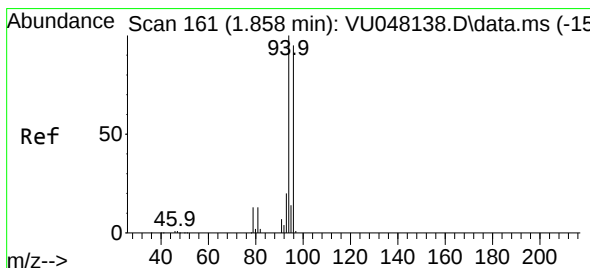
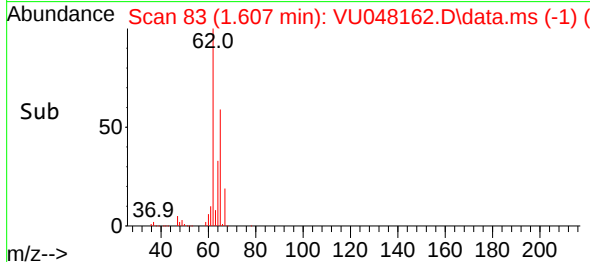
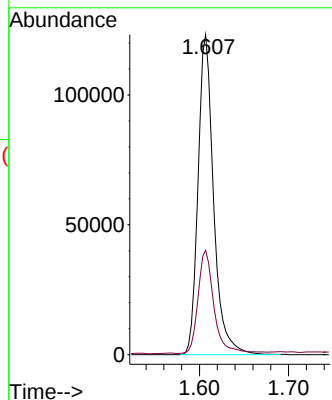
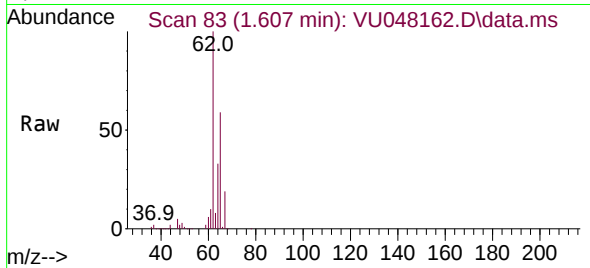




#5
 Vinyl chloride
 Concen: 49.409 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU048162.D
 Acq: 21 Apr 2022 09:57

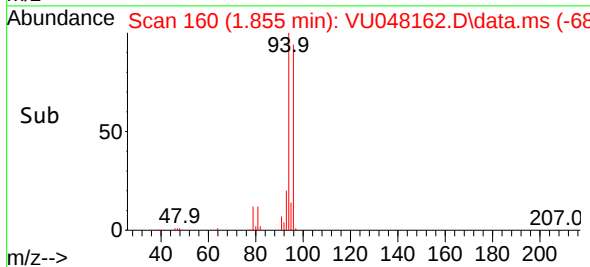
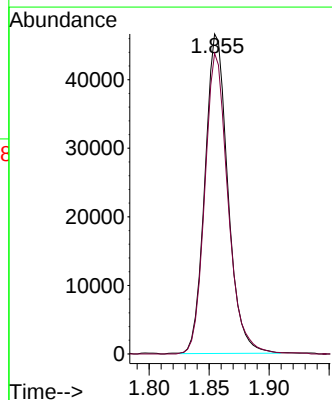
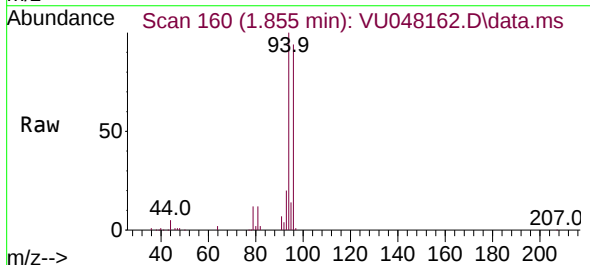
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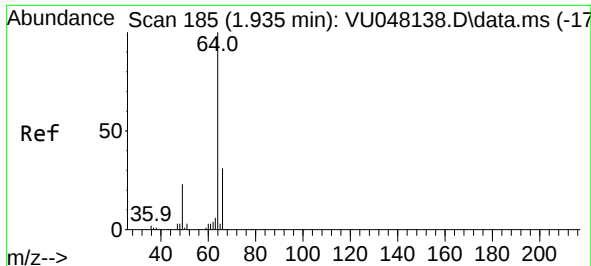
Tgt Ion: 62 Resp: 149829
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.7 43.9



#6
 Bromomethane
 Concen: 38.018 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. -0.003 min
 Lab File: VU048162.D
 Acq: 21 Apr 2022 09:57

Tgt Ion: 94 Resp: 62051
 Ion Ratio Lower Upper
 94 100
 96 93.9 64.8 120.3

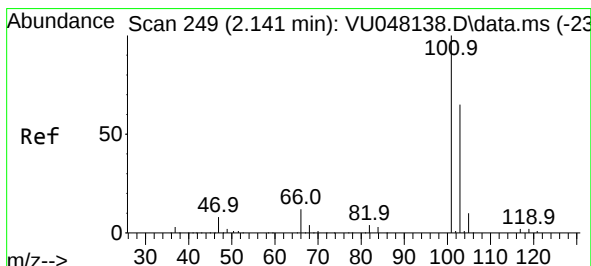
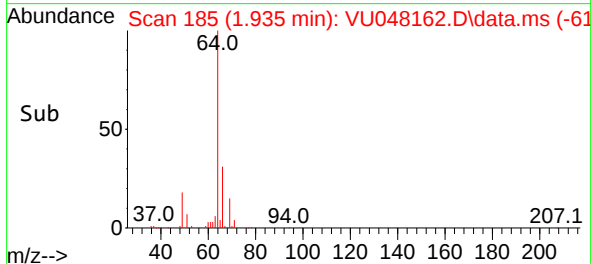
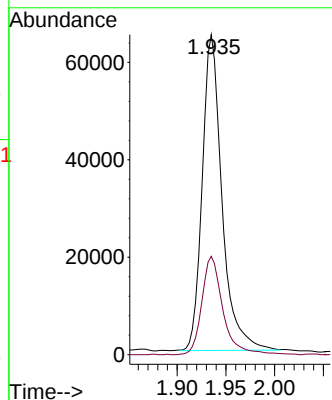
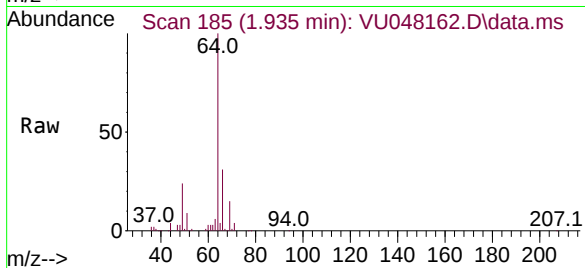




#8
Chloroethane
Concen: 48.010 ug/L
RT: 1.935 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

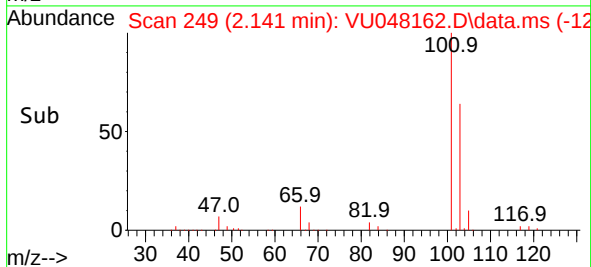
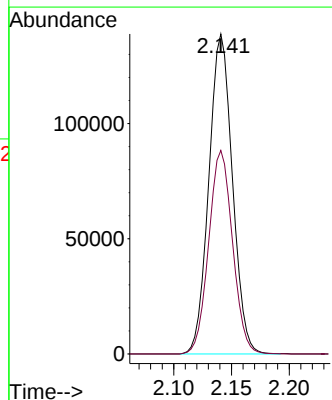
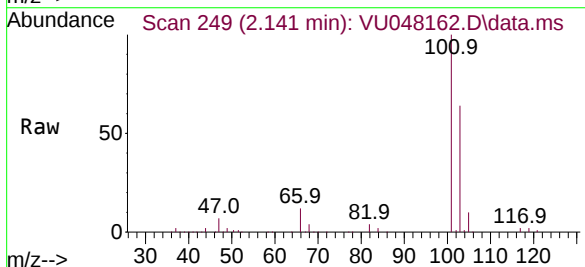
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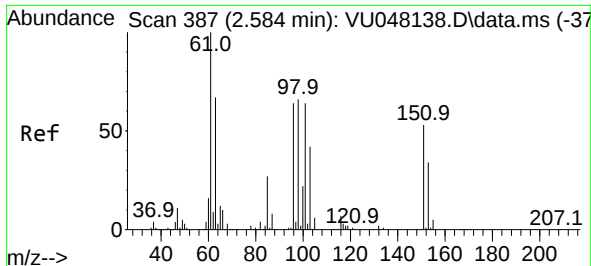
Tgt Ion: 64 Resp: 91394
Ion Ratio Lower Upper
64 100
66 30.7 23.3 43.3



#9
Trichlorofluoromethane
Concen: 46.066 ug/L
RT: 2.141 min Scan# 249
Delta R.T. -0.000 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

Tgt Ion:101 Resp: 196987
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.2

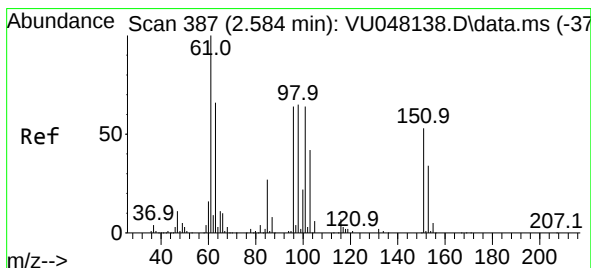
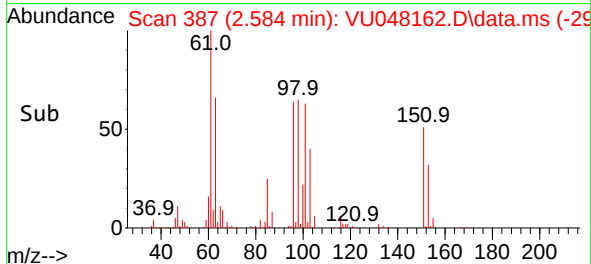
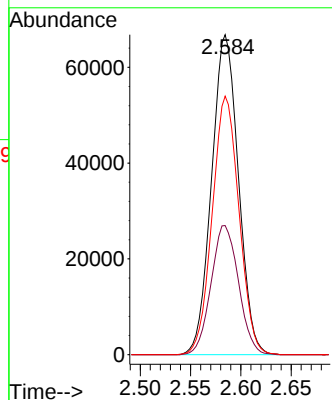
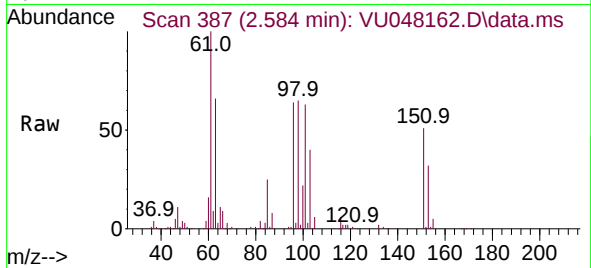




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 50.262 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.000 min
 Lab File: VU048162.D
 Acq: 21 Apr 2022 09:57

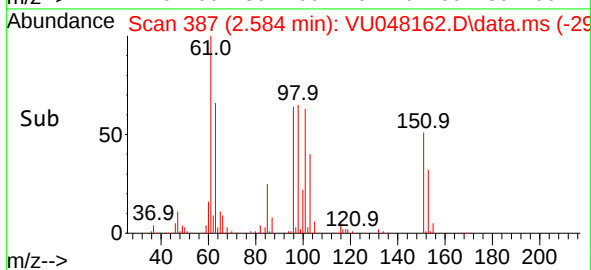
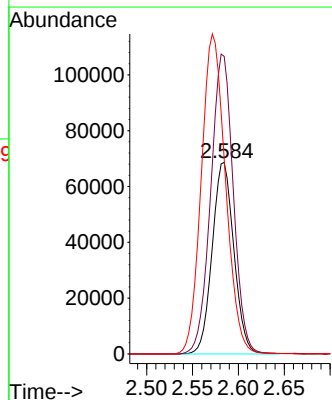
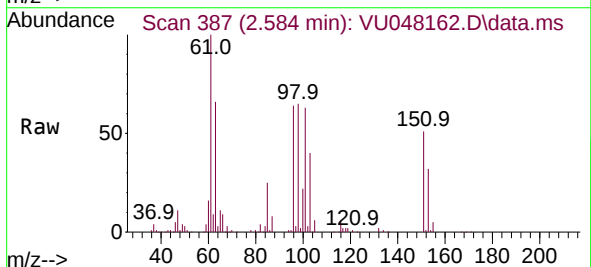
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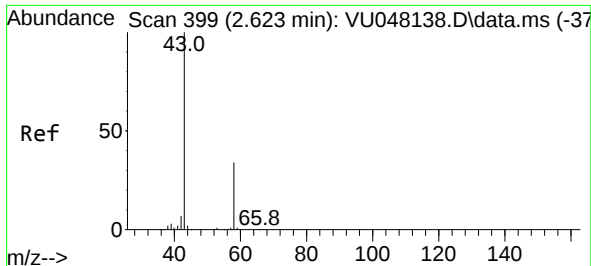
Tgt Ion: 101 Resp: 124238
 Ion Ratio Lower Upper
 101 100
 85 41.3 32.8 49.2
 151 80.6 63.0 94.6



#12
 1,1-Dichloroethene
 Concen: 49.081 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.000 min
 Lab File: VU048162.D
 Acq: 21 Apr 2022 09:57

Tgt Ion: 96 Resp: 112905
 Ion Ratio Lower Upper
 96 100
 61 155.4 113.1 210.1
 63 101.8 94.8 176.0





#13

Acetone

Concen: 74.548 ug/L

RT: 2.629 min Scan# 401

Delta R.T. 0.006 min

Lab File: VU048162.D

Acq: 21 Apr 2022 09:57

Instrument :

MSVOA_U

ClientSampleId :

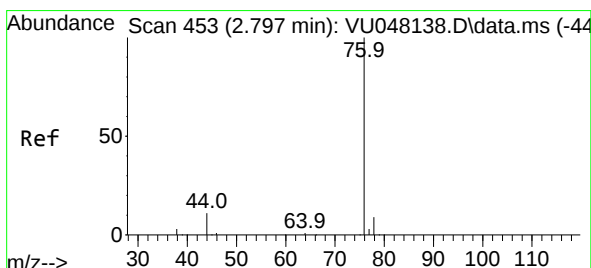
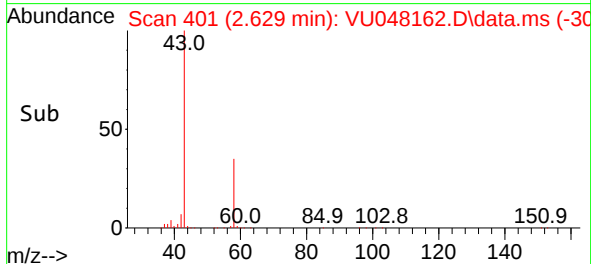
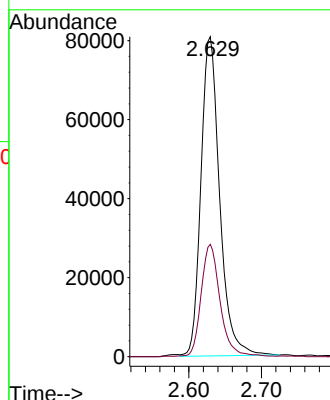
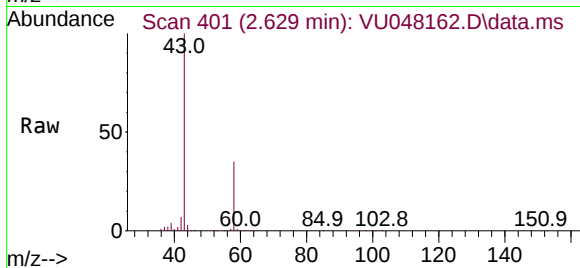
VSTD050092

Tgt Ion: 43 Resp: 144808

Ion Ratio Lower Upper

43 100

58 35.9 0.0 70.0



#14

Carbon disulfide

Concen: 39.043 ug/L

RT: 2.797 min Scan# 453

Delta R.T. -0.000 min

Lab File: VU048162.D

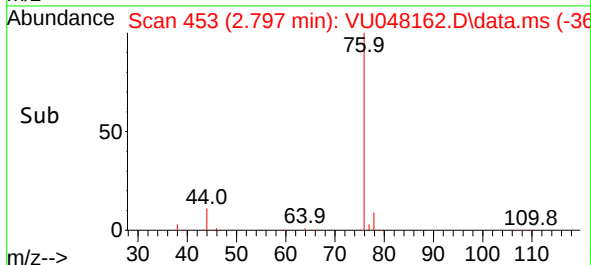
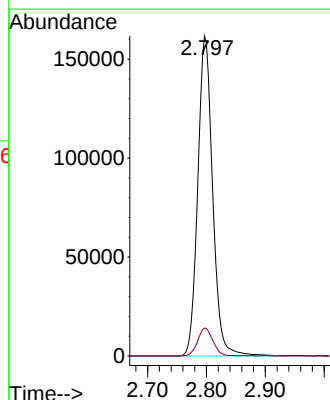
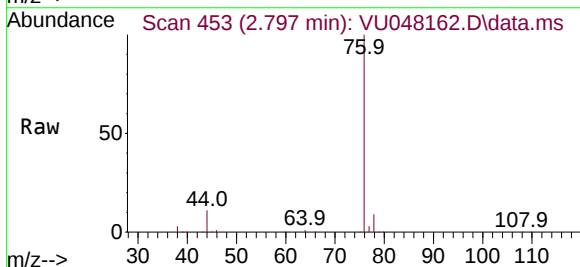
Acq: 21 Apr 2022 09:57

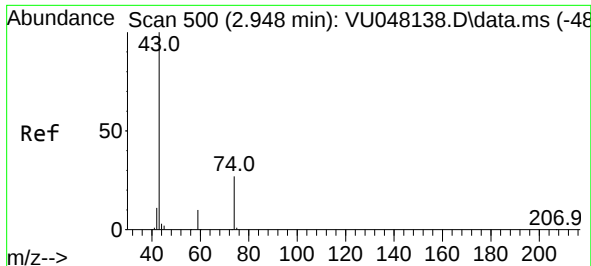
Tgt Ion: 76 Resp: 283899

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0

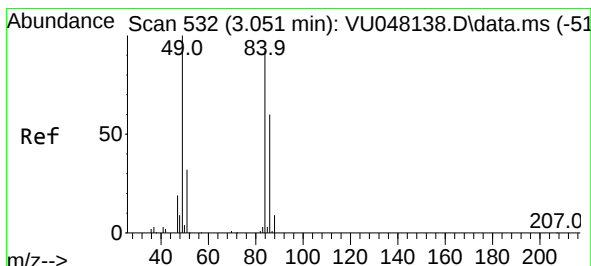
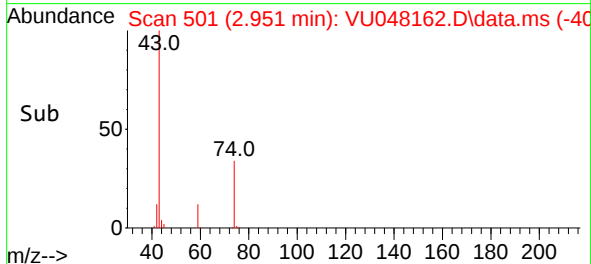
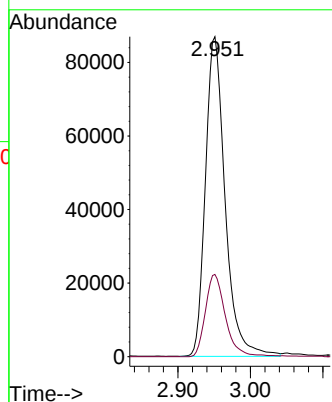
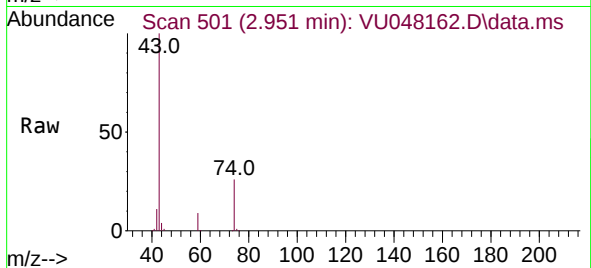




#15
Methyl Acetate
Concen: 52.871 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.003 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

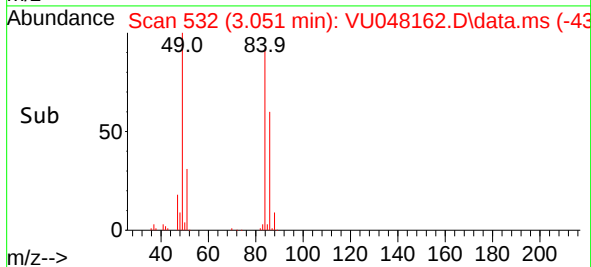
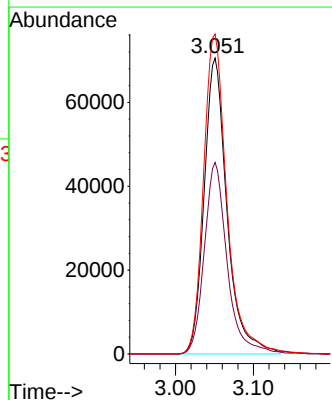
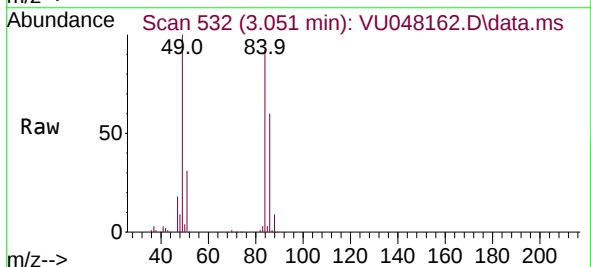
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

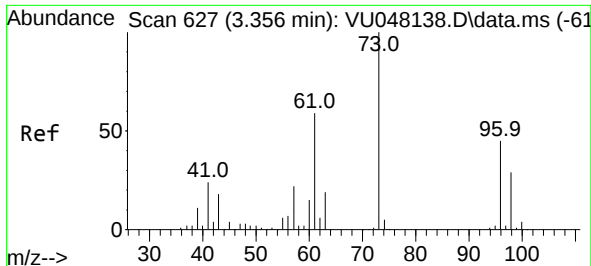
Tgt Ion: 43 Resp: 163767
Ion Ratio Lower Upper
43 100
74 25.8 22.2 33.2



#16
Methylene chloride
Concen: 54.715 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

Tgt Ion: 84 Resp: 144433
Ion Ratio Lower Upper
84 100
86 64.7 46.0 85.4
49 108.1 75.3 139.8

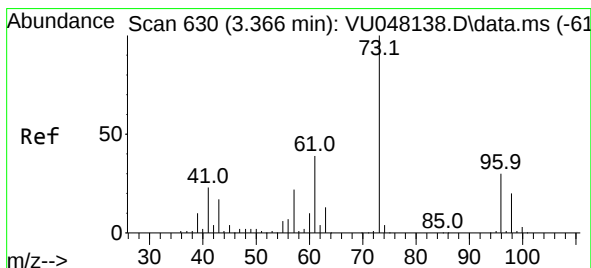
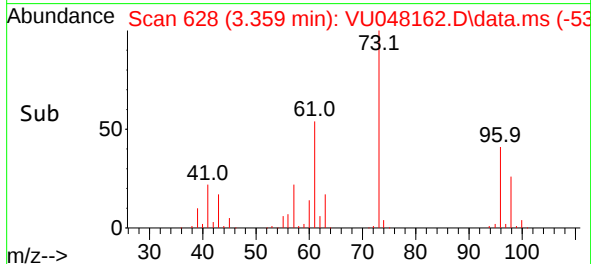
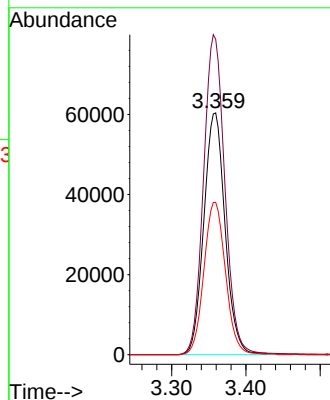
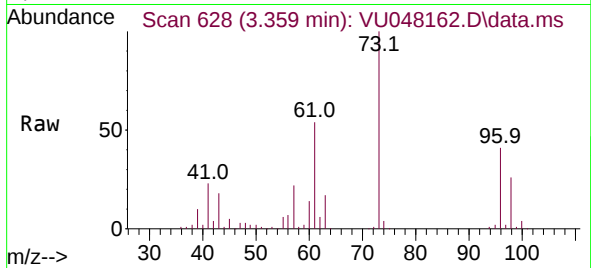




#17
trans-1,2-Dichloroethene
Concen: 48.541 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

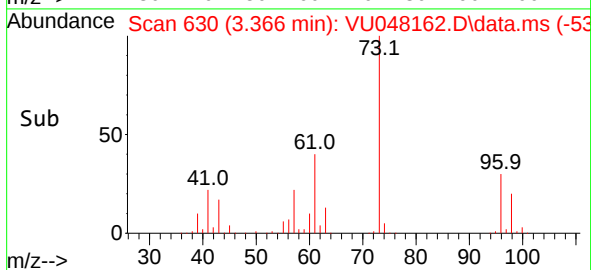
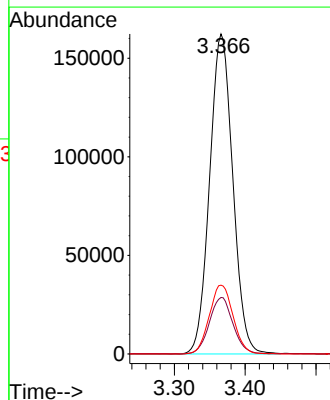
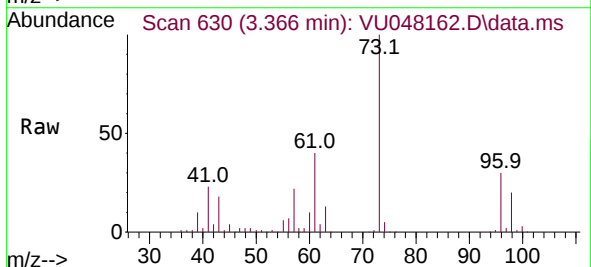
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

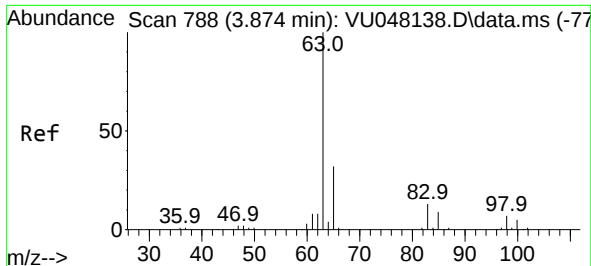
Tgt Ion: 96 Resp: 120440
Ion Ratio Lower Upper
96 100
61 130.4 88.4 164.2
98 63.0 43.3 80.5



#18
Methyl tert-butyl Ether
Concen: 52.704 ug/L
RT: 3.366 min Scan# 630
Delta R.T. -0.000 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

Tgt Ion: 73 Resp: 368933
Ion Ratio Lower Upper
73 100
43 18.1 15.3 22.9
57 22.1 17.0 25.6





#19

1,1-Dichloroethane

Concen: 55.409 ug/L

RT: 3.874 min Scan# 788

Delta R.T. -0.000 min

Lab File: VU048162.D

Acq: 21 Apr 2022 09:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD050092

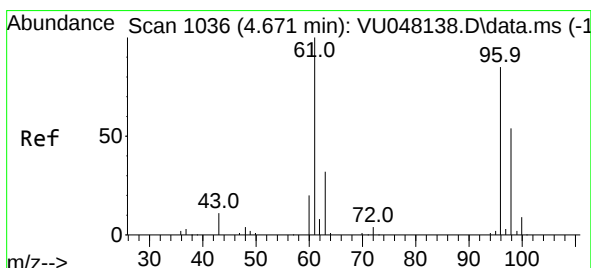
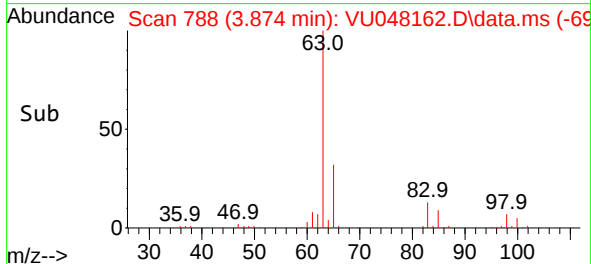
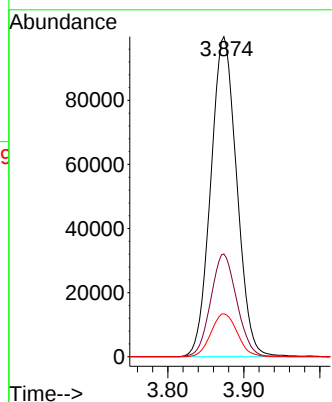
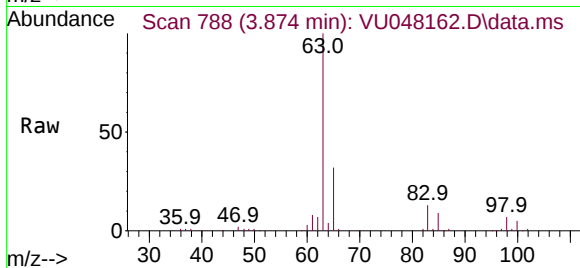
Tgt Ion: 63 Resp: 237107

Ion Ratio Lower Upper

63 100

65 32.1 22.0 41.0

83 13.4 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 51.447 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU048162.D

Acq: 21 Apr 2022 09:57

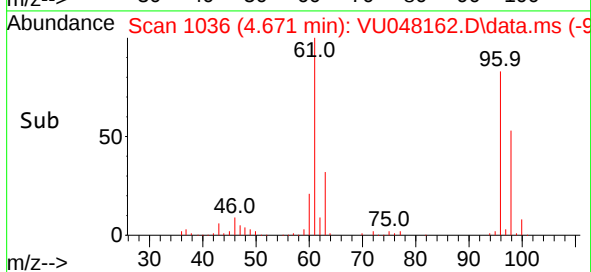
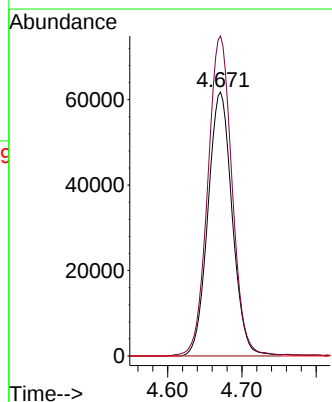
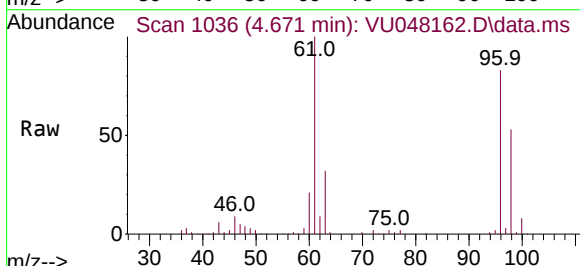
Tgt Ion: 96 Resp: 139946

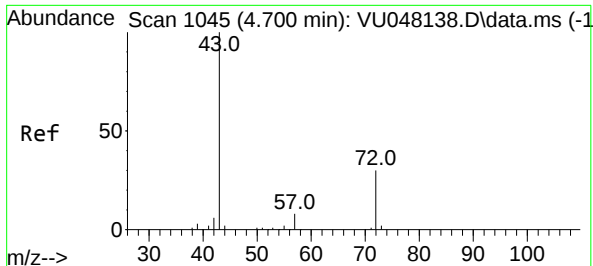
Ion Ratio Lower Upper

96 100

61 121.2 80.7 149.9

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 91.513 ug/L

RT: 4.703 min Scan# 1045

Delta R.T. 0.003 min

Lab File: VU048162.D

Acq: 21 Apr 2022 09:57

Instrument :

MSVOA_U

ClientSampleId :

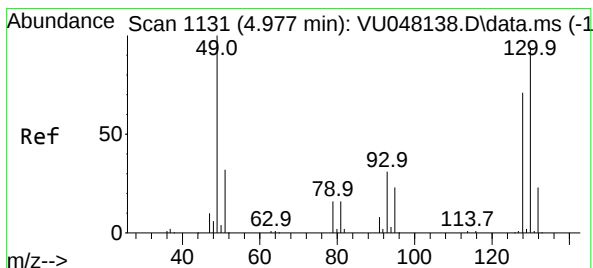
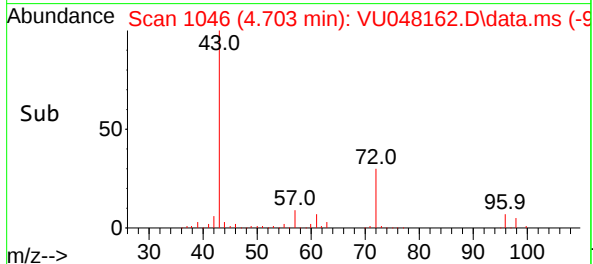
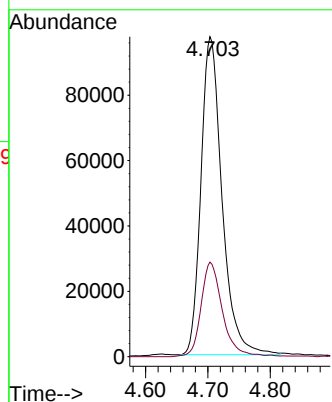
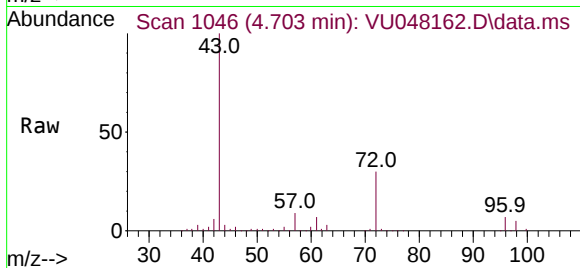
VSTD050092

Tgt Ion: 43 Resp: 228988

Ion Ratio Lower Upper

43 100

72 29.7 16.0 47.9



#23

Bromochloromethane

Concen: 53.845 ug/L

RT: 4.977 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VU048162.D

Acq: 21 Apr 2022 09:57

Tgt Ion: 128 Resp: 80417

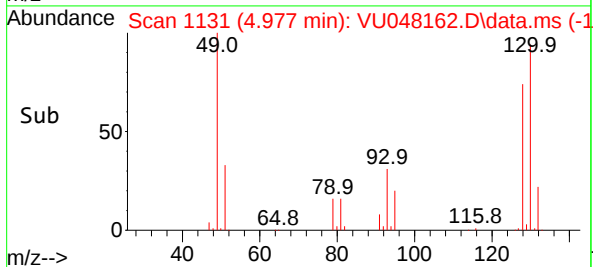
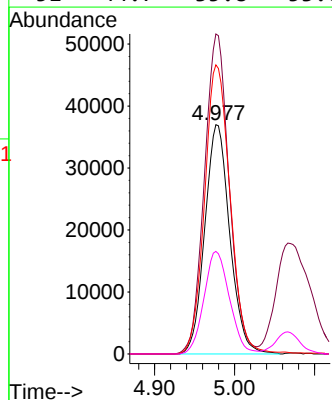
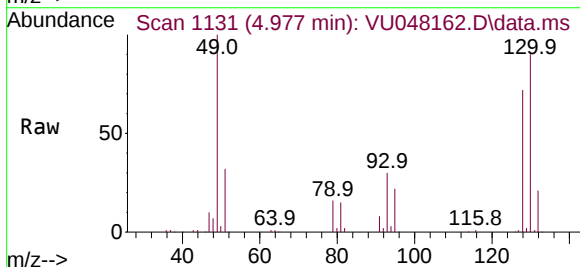
Ion Ratio Lower Upper

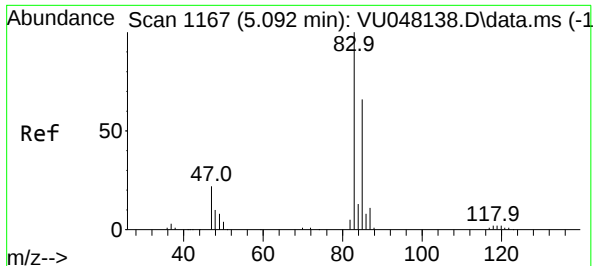
128 100

49 139.5 94.1 174.8

130 126.0 90.2 167.4

51 44.7 35.8 53.6

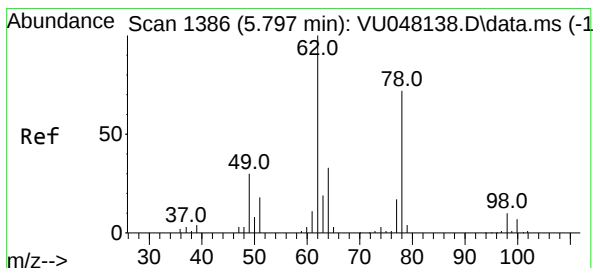
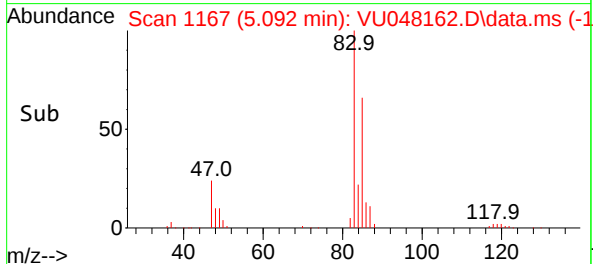
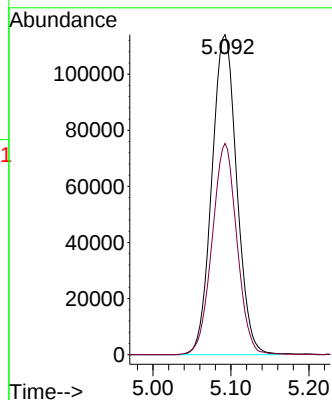
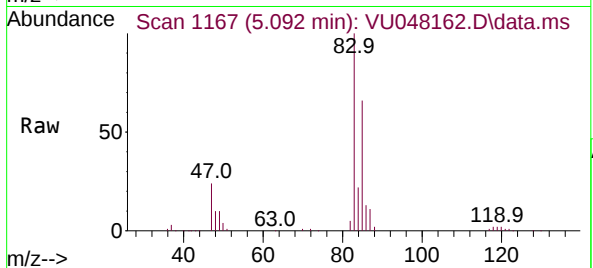




#25
Chloroform
Concen: 55.083 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. -0.000 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

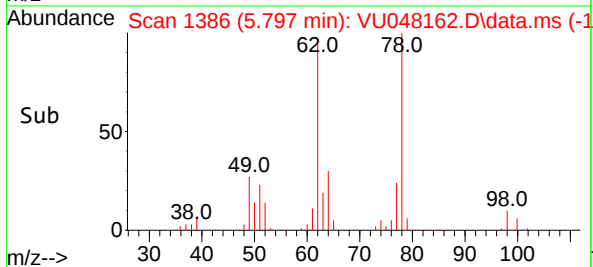
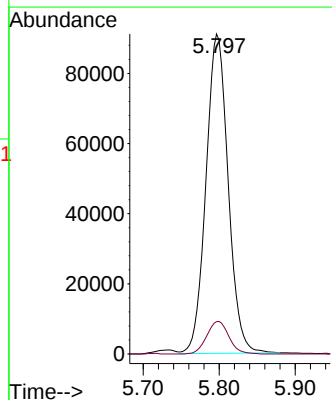
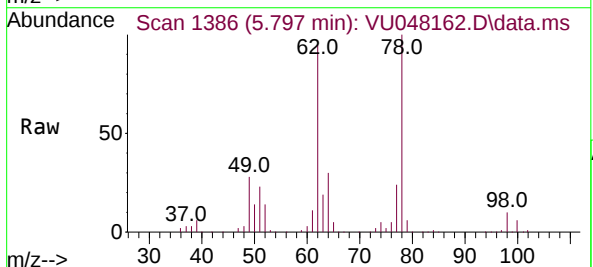
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

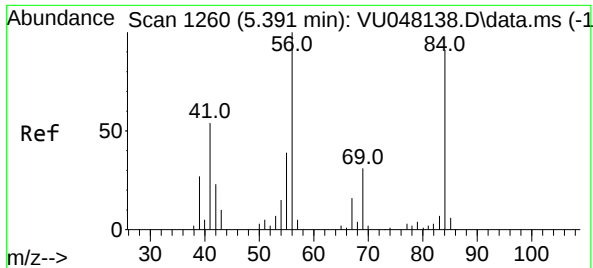
Tgt Ion: 83 Resp: 253773
Ion Ratio Lower Upper
83 100
85 66.0 46.2 85.8



#27
1,2-Dichloroethane
Concen: 51.881 ug/L
RT: 5.797 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

Tgt Ion: 62 Resp: 184668
Ion Ratio Lower Upper
62 100
98 10.1 7.4 11.0





#29

Cyclohexane

Concen: 47.469 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.000 min

Lab File: VU048162.D

Acq: 21 Apr 2022 09:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD050092

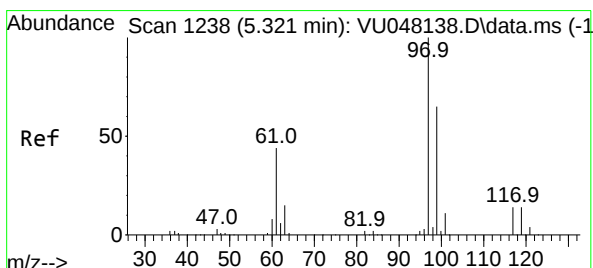
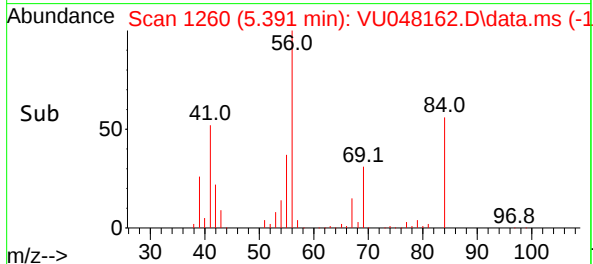
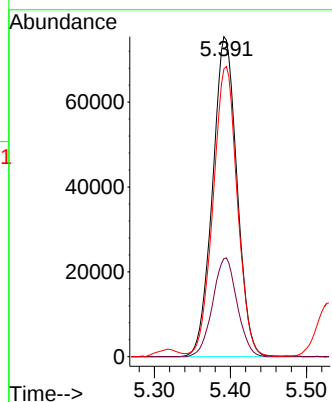
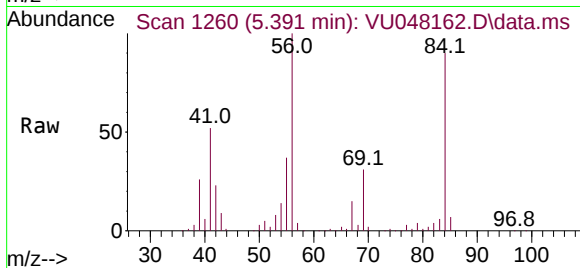
Tgt Ion: 56 Resp: 167920

Ion Ratio Lower Upper

56 100

69 30.9 25.4 38.2

84 90.5 77.0 115.6



#30

1,1,1-Trichloroethane

Concen: 52.360 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU048162.D

Acq: 21 Apr 2022 09:57

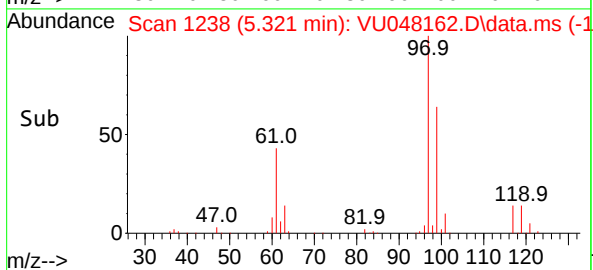
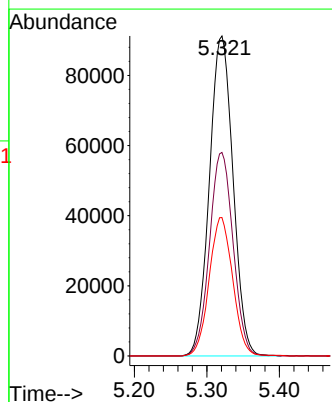
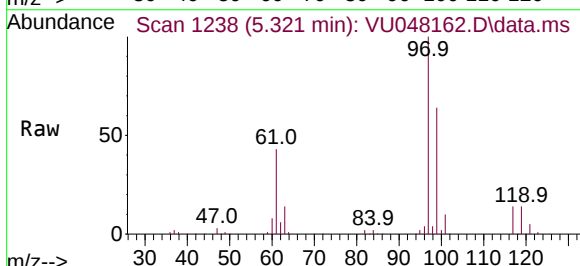
Tgt Ion: 97 Resp: 206977

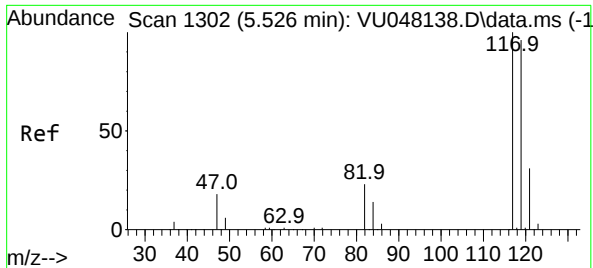
Ion Ratio Lower Upper

97 100

99 63.4 51.6 77.4

61 43.0 34.2 51.4

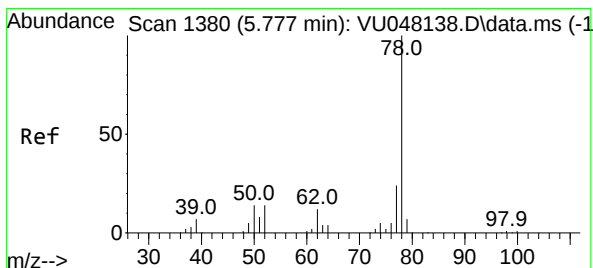
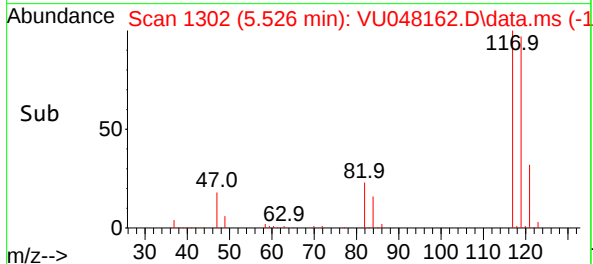
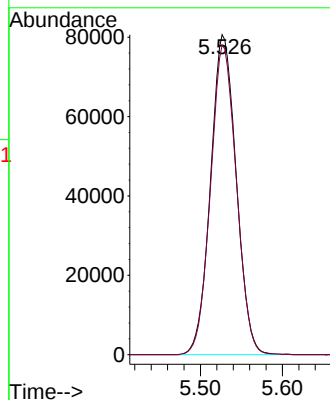
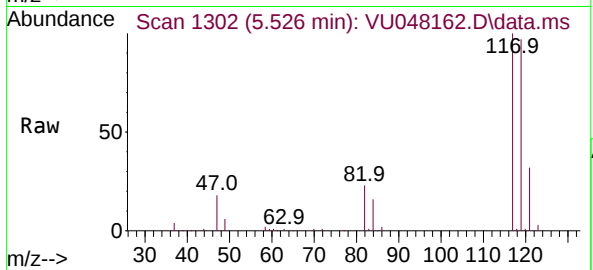




#31
Carbon tetrachloride
Concen: 49.152 ug/L
RT: 5.526 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

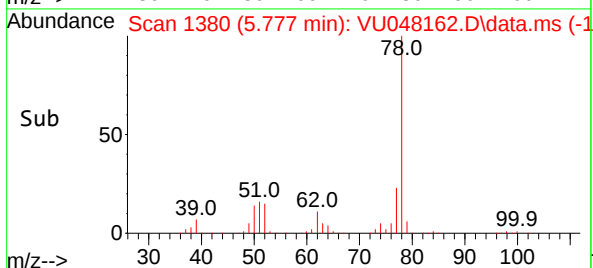
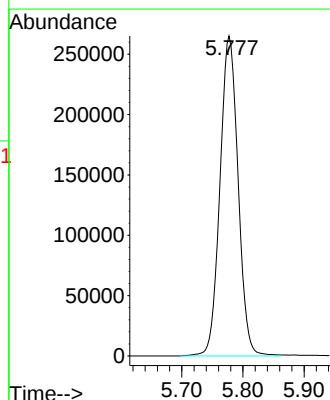
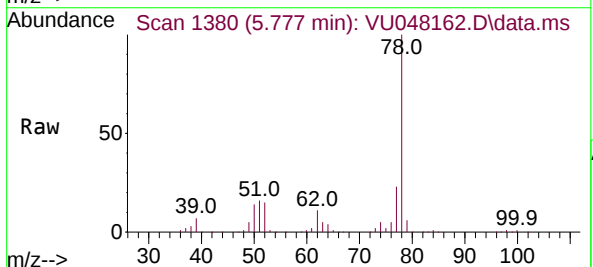
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

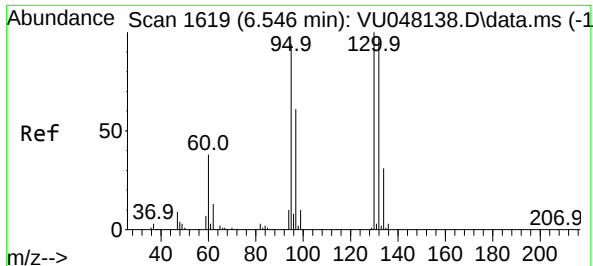
Tgt Ion:117 Resp: 175448
Ion Ratio Lower Upper
117 100
119 97.2 77.2 115.8



#33
Benzene
Concen: 54.166 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

Tgt Ion: 78 Resp: 546572





#34

Trichloroethene

Concen: 50.745 ug/L

RT: 6.546 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048162.D

Acq: 21 Apr 2022 09:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD050092

Tgt Ion: 95 Resp: 134246

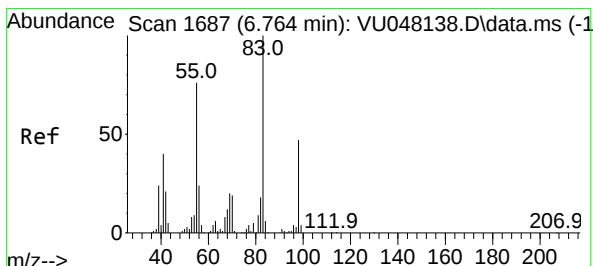
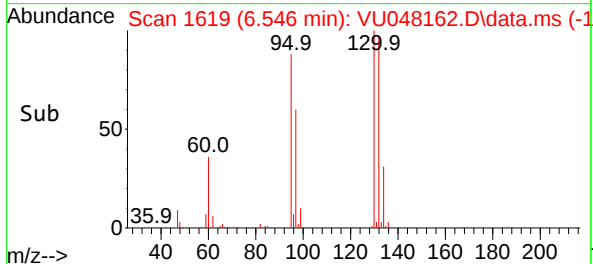
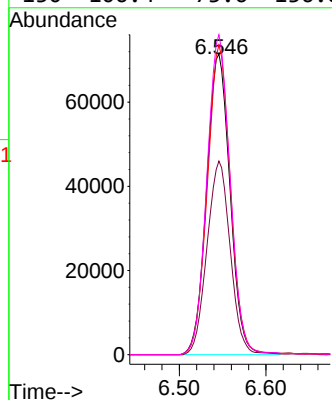
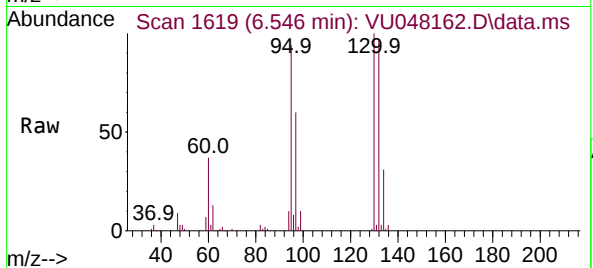
Ion Ratio Lower Upper

95 100

97 64.3 44.7 82.9

132 102.9 70.4 130.8

130 106.4 73.6 136.8



#35

Methylcyclohexane

Concen: 44.682 ug/L

RT: 6.768 min Scan# 1688

Delta R.T. 0.003 min

Lab File: VU048162.D

Acq: 21 Apr 2022 09:57

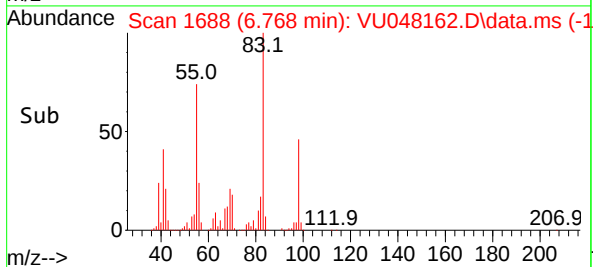
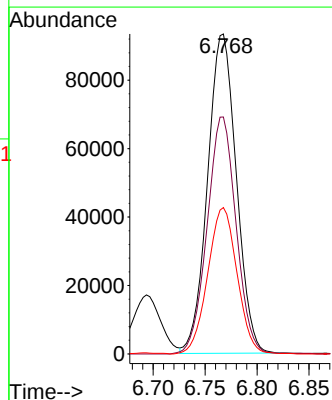
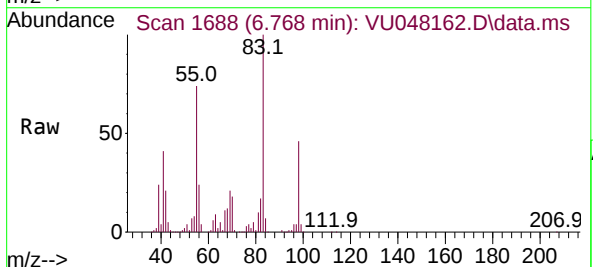
Tgt Ion: 83 Resp: 179830

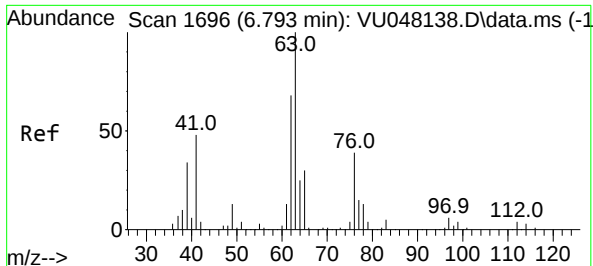
Ion Ratio Lower Upper

83 100

55 74.8 56.8 85.2

98 46.7 38.1 57.1





#37

1,2-Dichloropropane

Concen: 57.703 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048162.D

Acq: 21 Apr 2022 09:57

Instrument :

MSVOA_U

ClientSampleId :

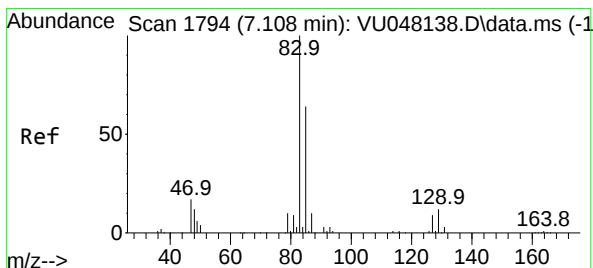
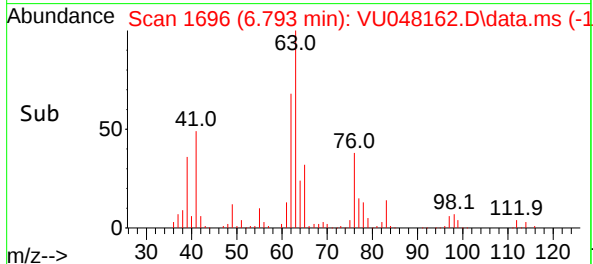
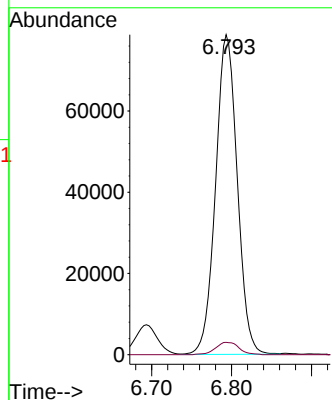
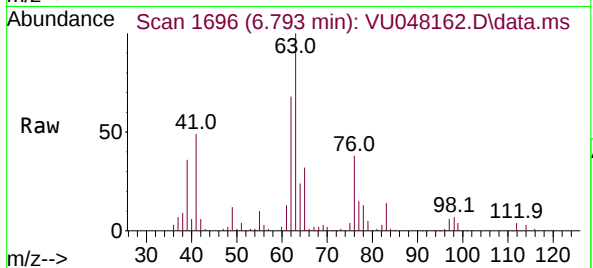
VSTD050092

Tgt Ion: 63 Resp: 148022

Ion Ratio Lower Upper

63 100

112 4.2 3.4 5.2



#38

Bromodichloromethane

Concen: 53.555 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VU048162.D

Acq: 21 Apr 2022 09:57

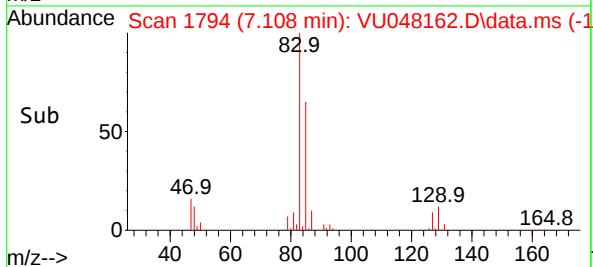
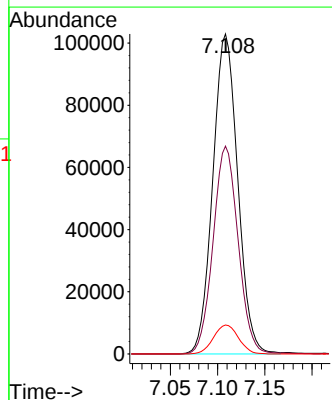
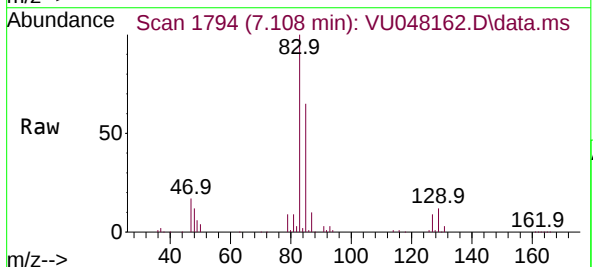
Tgt Ion: 83 Resp: 188655

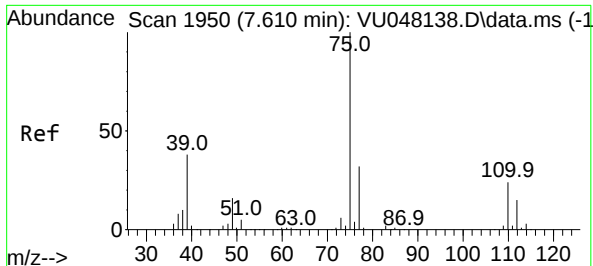
Ion Ratio Lower Upper

83 100

85 65.0 44.4 82.4

127 9.0 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 48.360 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU048162.D

Acq: 21 Apr 2022 09:57

Instrument :

MSVOA_U

ClientSampleId :

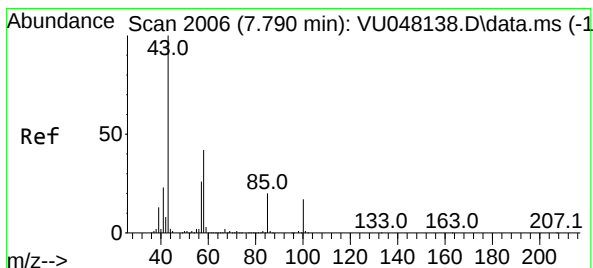
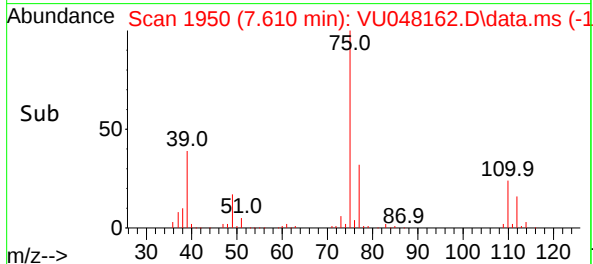
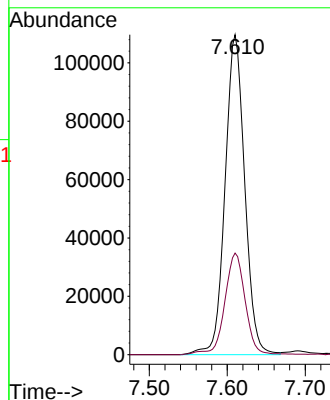
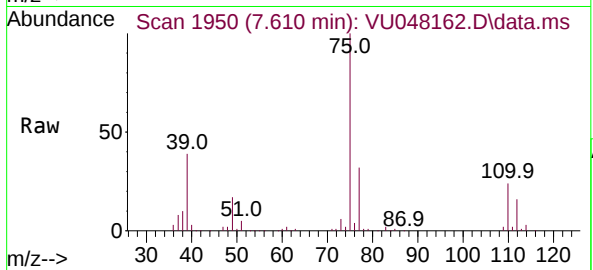
VSTD050092

Tgt Ion: 75 Resp: 192487

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 102.060 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU048162.D

Acq: 21 Apr 2022 09:57

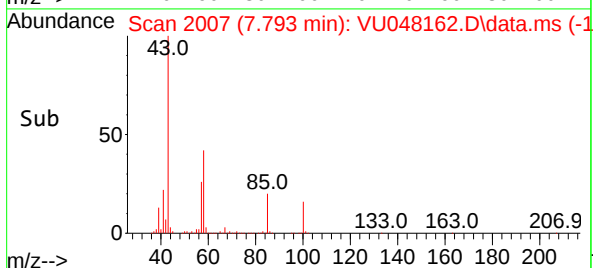
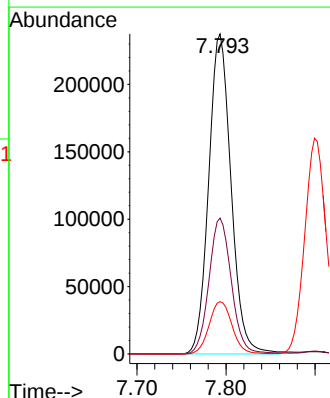
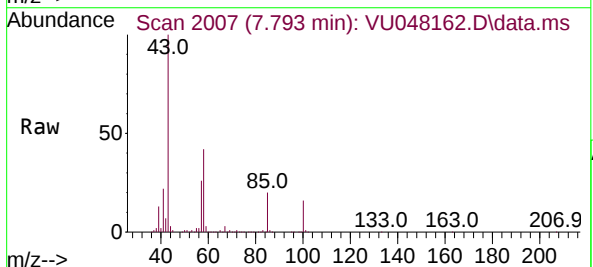
Tgt Ion: 43 Resp: 413782

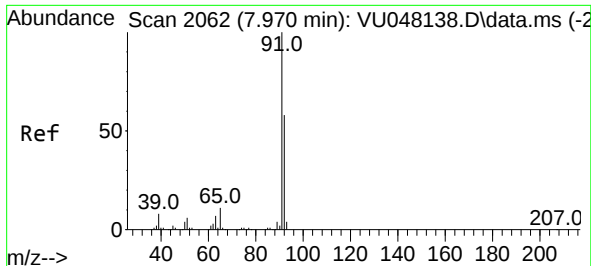
Ion Ratio Lower Upper

43 100

58 42.6 34.7 52.1

100 16.8 14.2 21.2





#42

Toluene

Concen: 52.661 ug/L

RT: 7.973 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU048162.D

Acq: 21 Apr 2022 09:57

Instrument :

MSVOA_U

ClientSampleId :

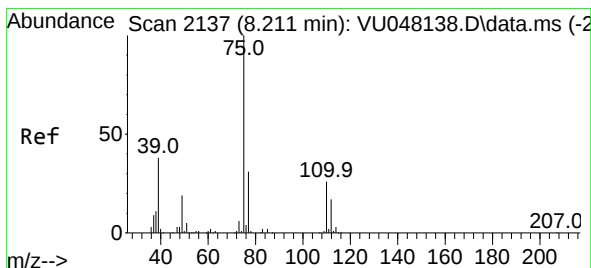
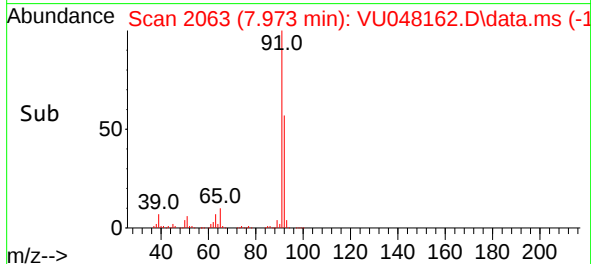
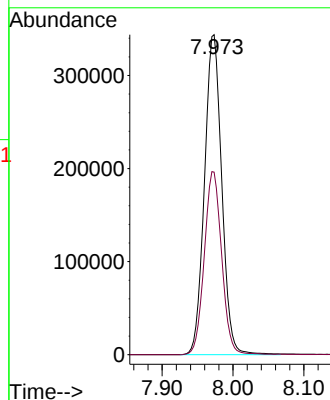
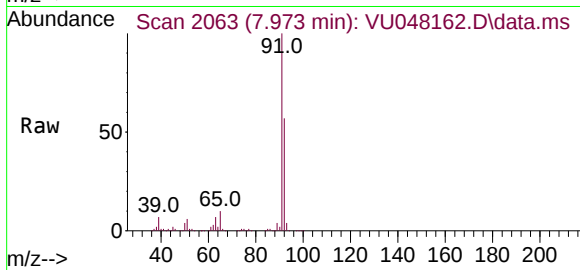
VSTD050092

Tgt Ion: 91 Resp: 583057

Ion Ratio Lower Upper

91 100

92 57.1 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 48.257 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU048162.D

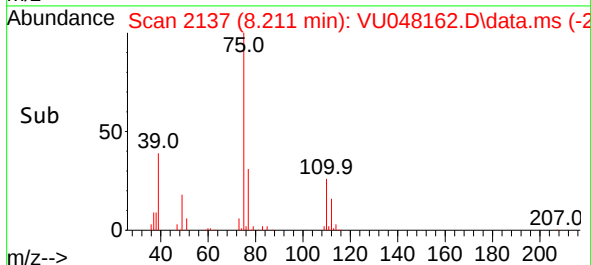
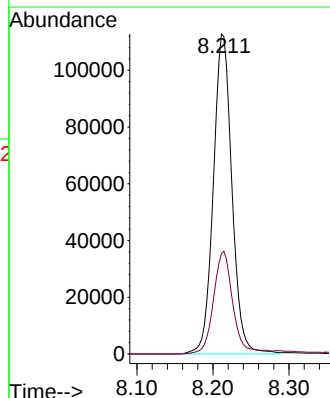
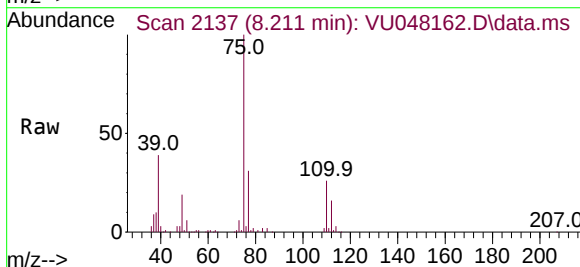
Acq: 21 Apr 2022 09:57

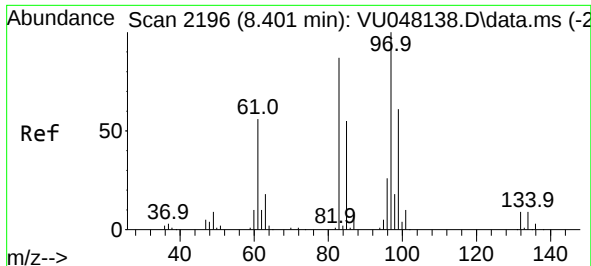
Tgt Ion: 75 Resp: 191778

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 55.545 ug/L

RT: 8.401 min Scan# 2196

Delta R.T. -0.000 min

Lab File: VU048162.D

Acq: 21 Apr 2022 09:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD050092

Tgt Ion: 97 Resp: 151114

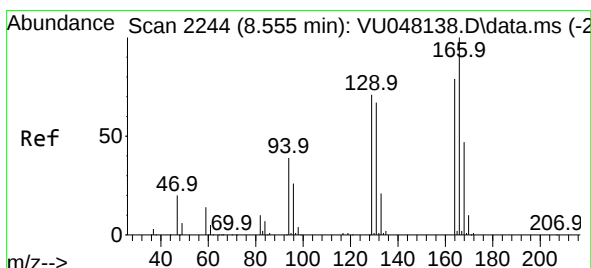
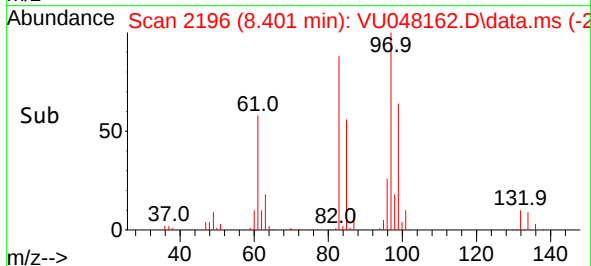
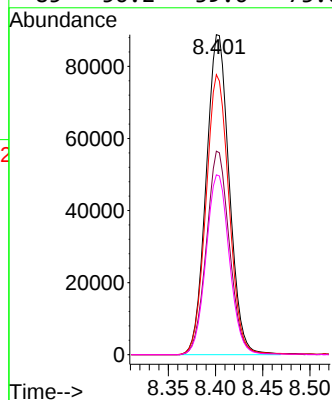
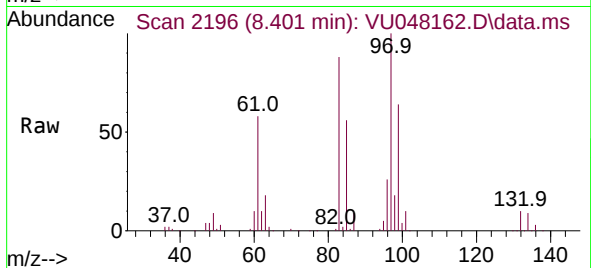
Ion Ratio Lower Upper

97 100

99 63.6 43.3 80.3

83 87.5 61.0 113.4

85 56.2 39.6 73.6



#46

Tetrachloroethene

Concen: 47.610 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU048162.D

Acq: 21 Apr 2022 09:57

Tgt Ion: 164 Resp: 113185

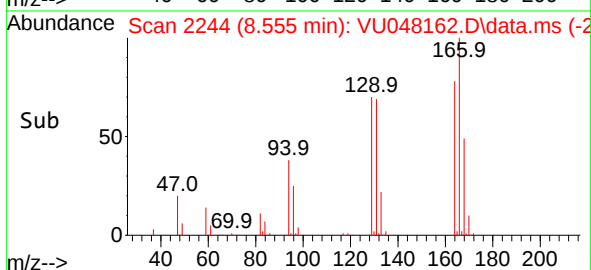
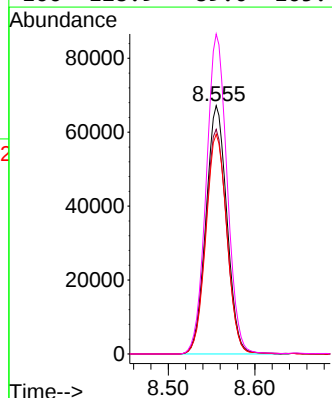
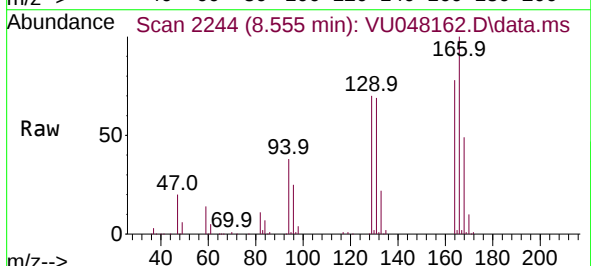
Ion Ratio Lower Upper

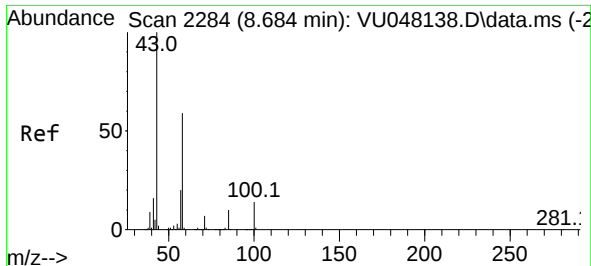
164 100

129 90.5 62.4 116.0

131 88.5 60.7 112.7

166 128.9 89.0 165.4



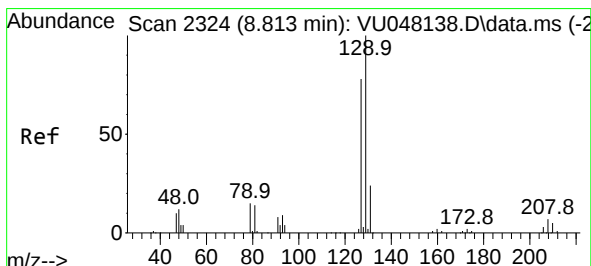
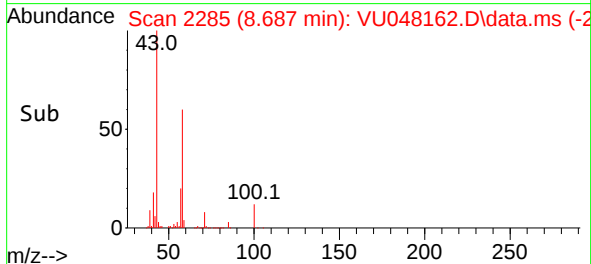
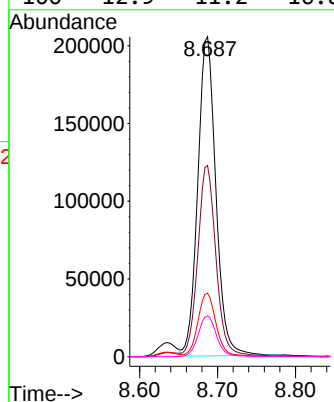
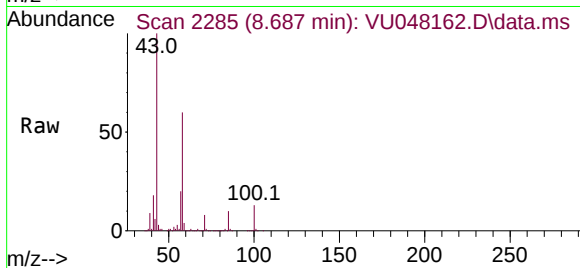


#48
2-Hexanone
Concen: 95.163 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

Tgt Ion: 43 Resp: 331878

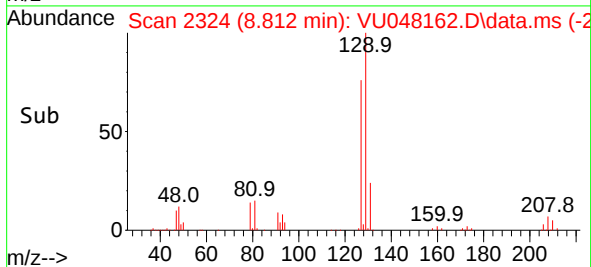
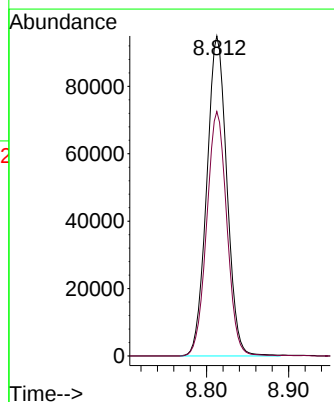
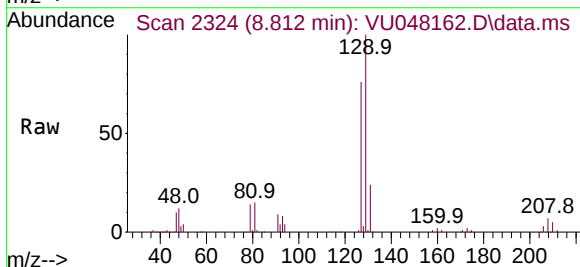
Ion	Ratio	Lower	Upper
43	100		
58	60.1	48.1	72.1
57	19.7	16.2	24.4
100	12.9	11.2	16.8

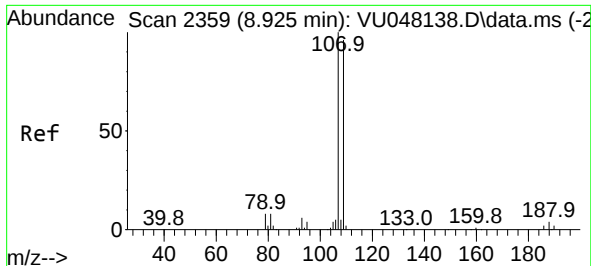


#49
Dibromochloromethane
Concen: 51.359 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

Tgt Ion: 129 Resp: 161835

Ion	Ratio	Lower	Upper
129	100		
127	76.4	54.2	100.6

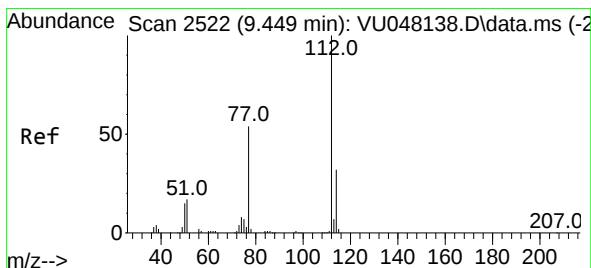
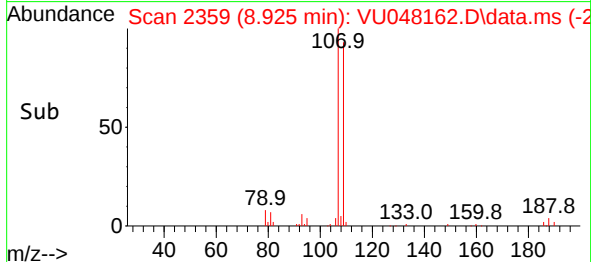
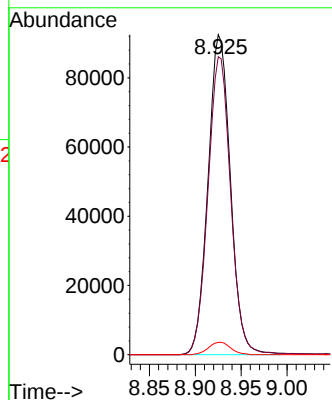
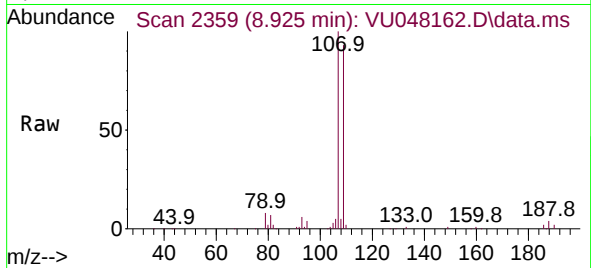




#50
1,2-Dibromoethane
Concen: 51.567 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

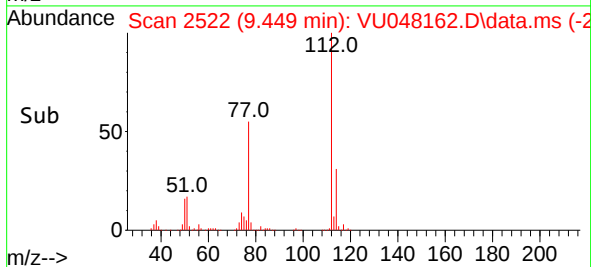
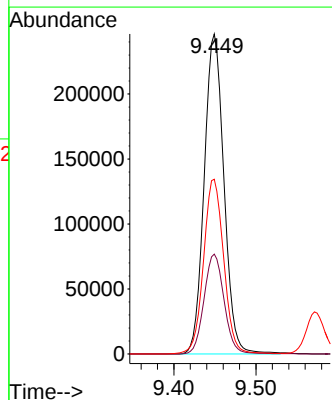
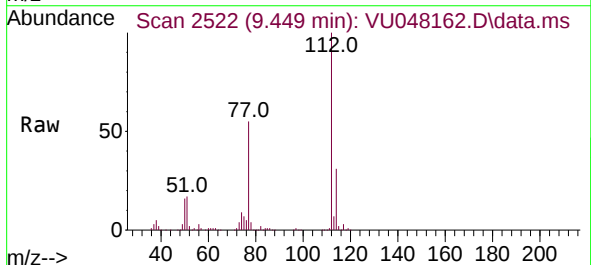
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

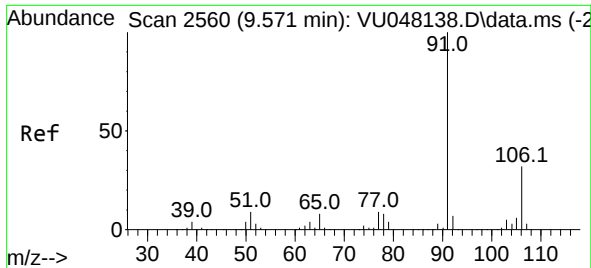
Tgt Ion:107 Resp: 157280
Ion Ratio Lower Upper
107 100
109 93.1 66.6 123.6
188 3.9 3.4 5.2



#51
Chlorobenzene
Concen: 54.825 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

Tgt Ion:112 Resp: 412161
Ion Ratio Lower Upper
112 100
114 31.2 22.1 41.1
77 54.6 43.4 65.0

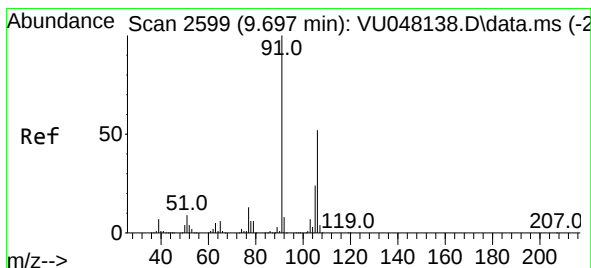
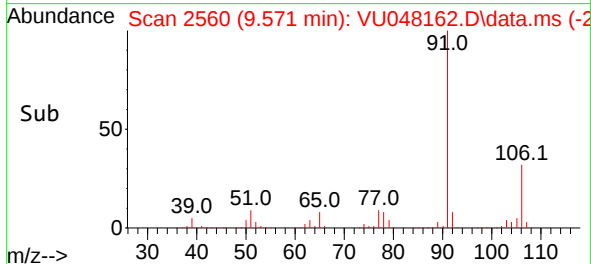
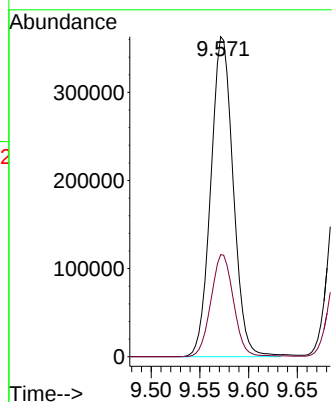
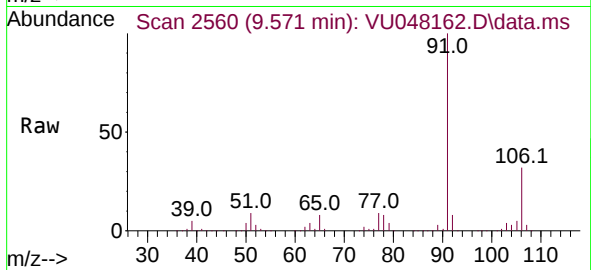




#52
Ethylbenzene
Concen: 49.876 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

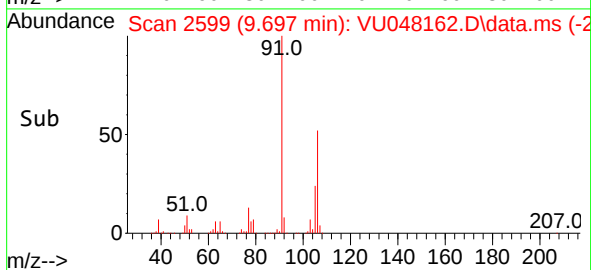
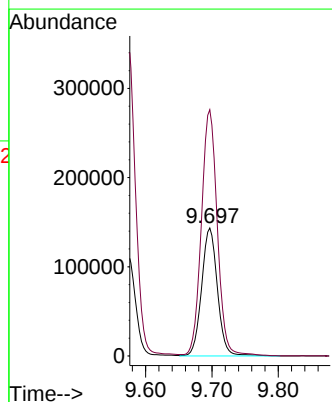
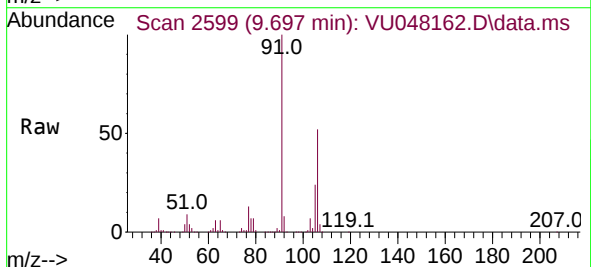
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

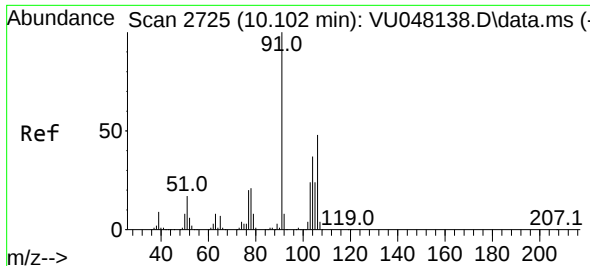
Tgt Ion: 91 Resp: 580644
Ion Ratio Lower Upper
91 100
106 31.9 22.4 41.6



#53
m,p-Xylene
Concen: 52.075 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

Tgt Ion: 106 Resp: 237880
Ion Ratio Lower Upper
106 100
91 192.5 137.7 255.7

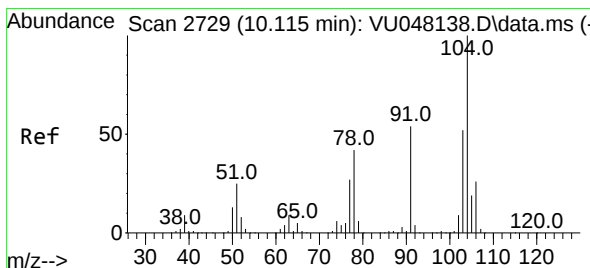
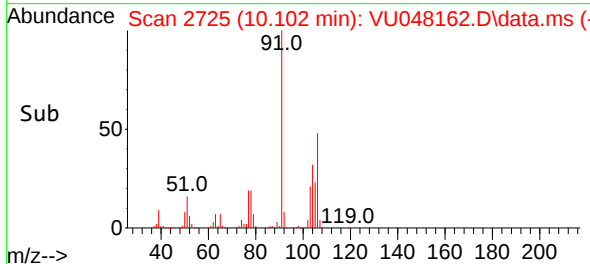
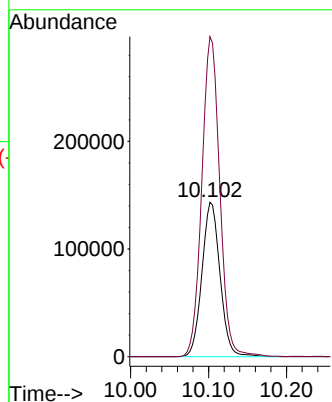
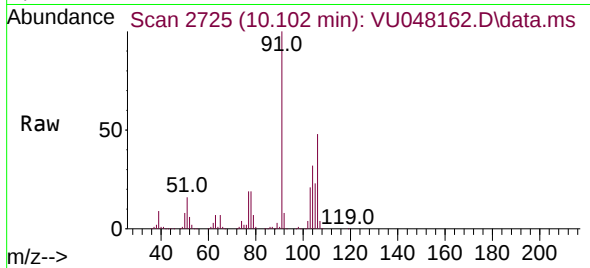




#54
o-Xylene
Concen: 51.558 ug/L
RT: 10.102 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

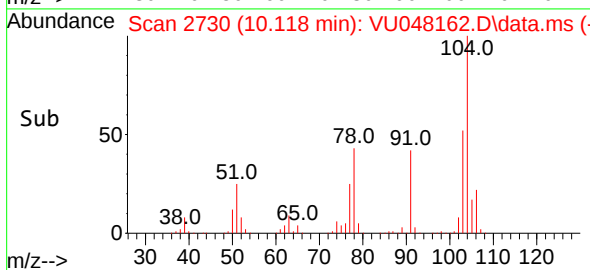
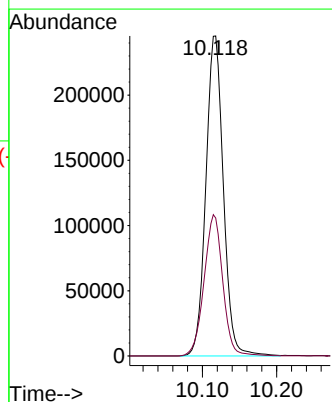
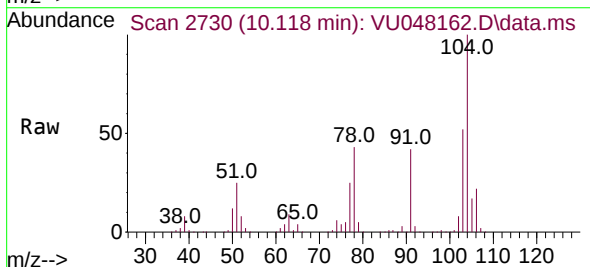
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

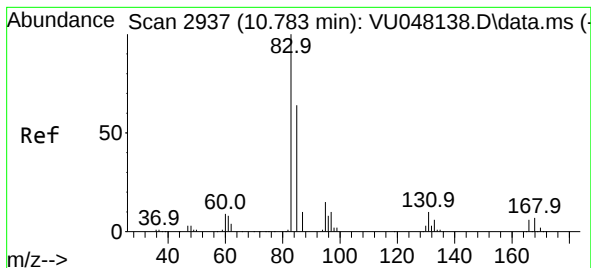
Tgt Ion:106 Resp: 231153
Ion Ratio Lower Upper
106 100
91 207.3 146.7 272.5



#55
Styrene
Concen: 52.468 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. 0.003 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

Tgt Ion:104 Resp: 401615
Ion Ratio Lower Upper
104 100
78 43.1 30.4 56.4

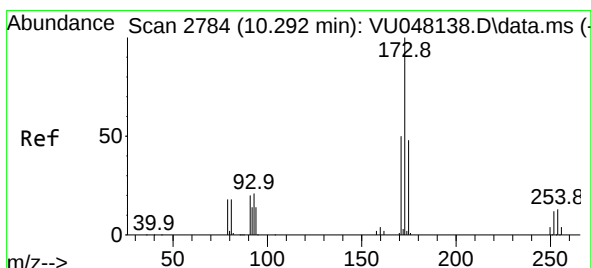
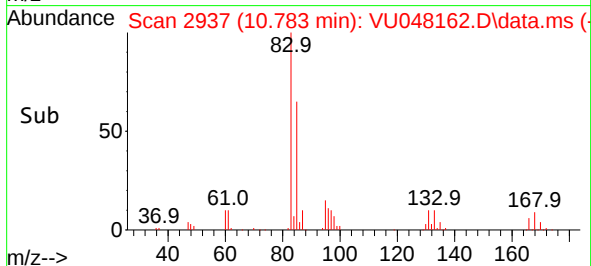
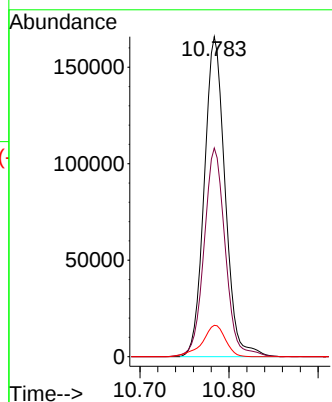
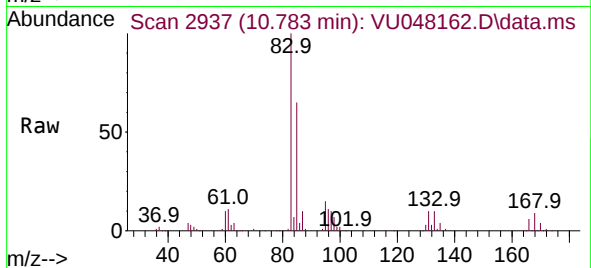




#57
1,1,2,2-Tetrachloroethane
Concen: 52.670 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

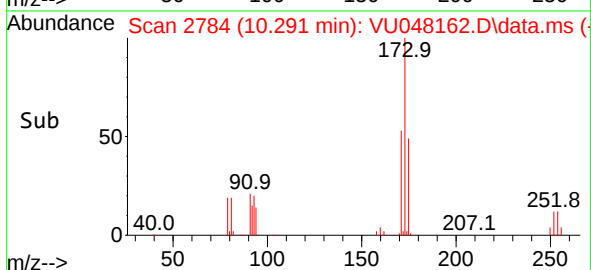
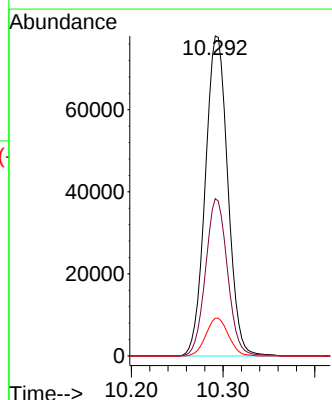
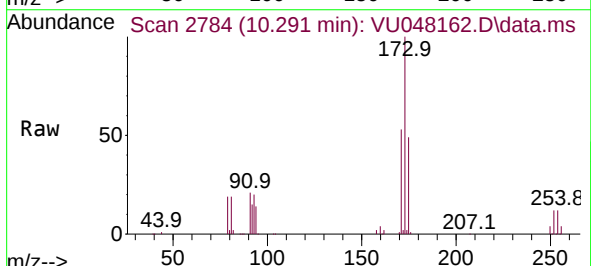
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

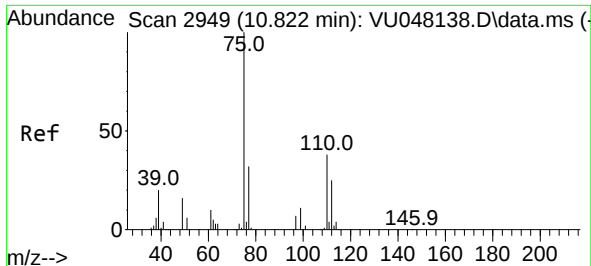
Tgt Ion: 83 Resp: 268637
Ion Ratio Lower Upper
83 100
85 65.2 44.9 83.3
131 9.8 8.6 13.0



#59
Bromoform
Concen: 51.906 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. -0.000 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

Tgt Ion:173 Resp: 132957
Ion Ratio Lower Upper
173 100
175 48.0 38.7 58.1
254 11.9 9.6 14.4

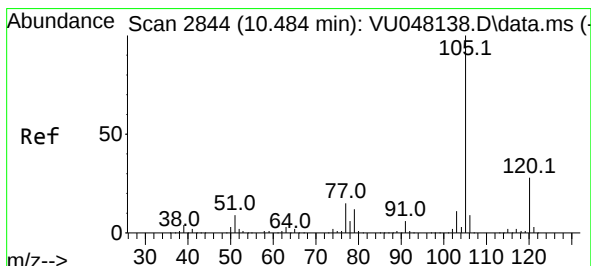
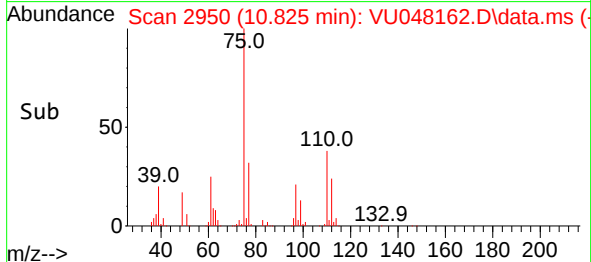
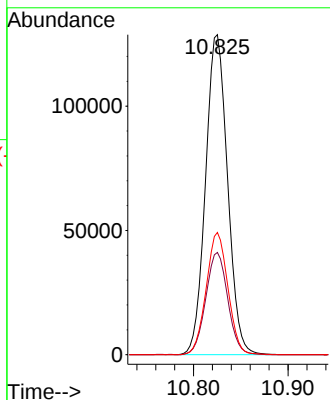
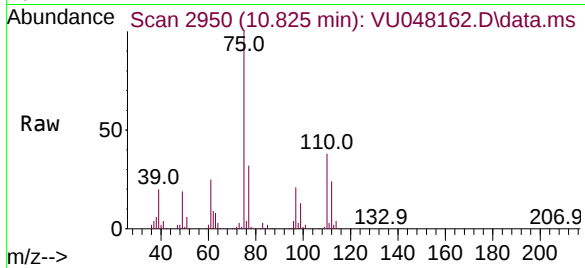




#60
1,2,3-Trichloropropane
Concen: 55.173 ug/L
RT: 10.825 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

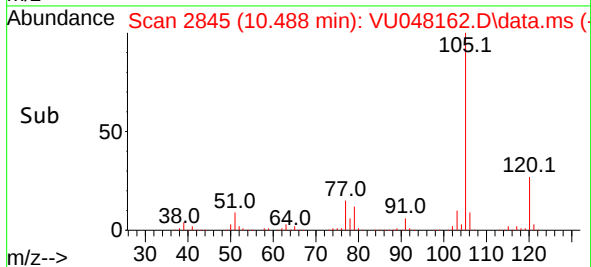
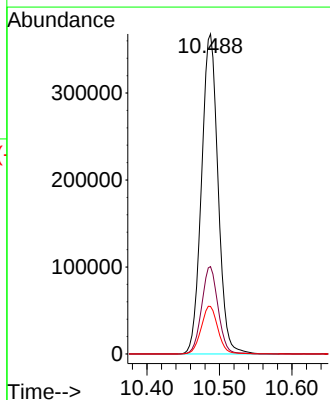
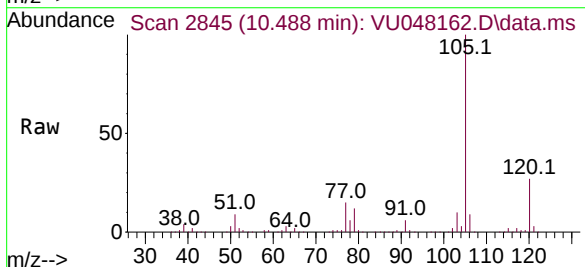
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

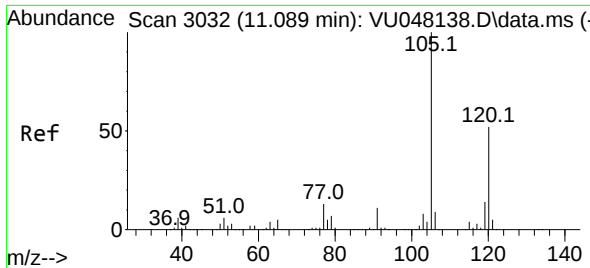
Tgt Ion: 75 Resp: 208348
Ion Ratio Lower Upper
75 100
77 32.0 26.0 39.0
110 37.7 31.4 47.2



#61
Isopropylbenzene
Concen: 53.822 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.003 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

Tgt Ion: 105 Resp: 582682
Ion Ratio Lower Upper
105 100
120 27.2 21.9 32.9
77 15.1 12.1 18.1

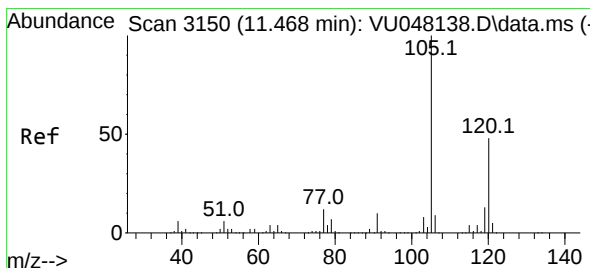
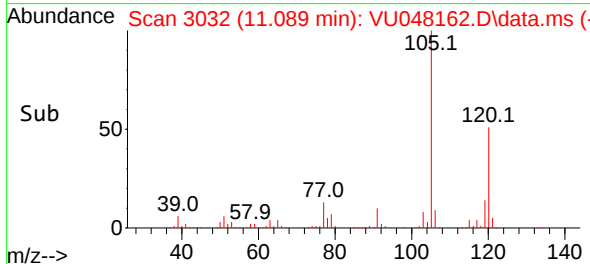
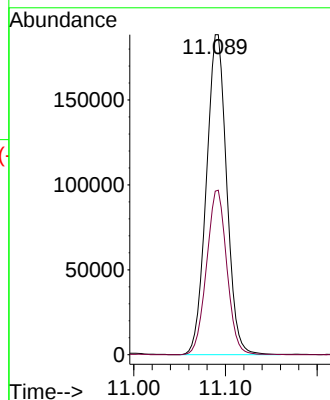
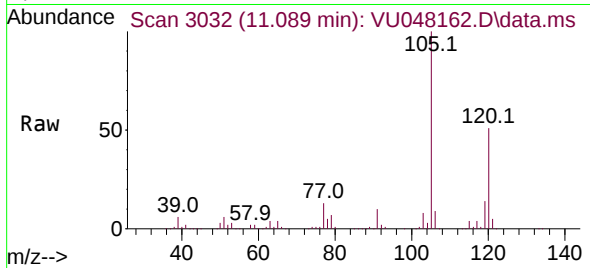




#62
1,3,5-Trimethylbenzene
Concen: 49.363 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.000 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

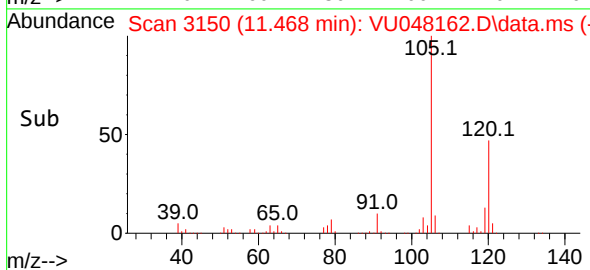
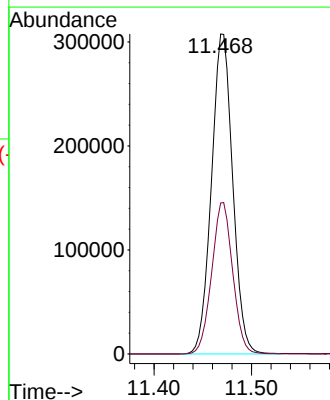
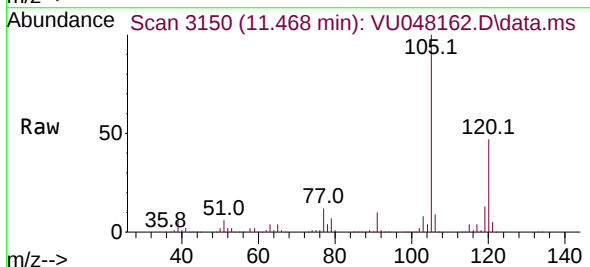
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

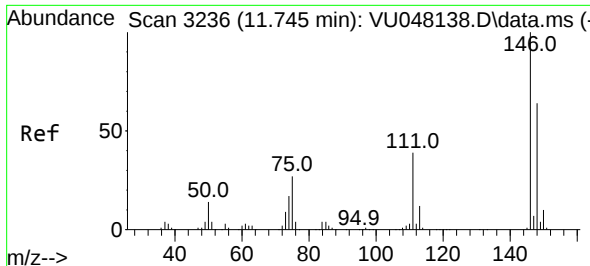
Tgt Ion:105 Resp: 289958
Ion Ratio Lower Upper
105 100
120 51.3 40.8 61.2



#63
1,2,4-Trimethylbenzene
Concen: 52.259 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

Tgt Ion:105 Resp: 466276
Ion Ratio Lower Upper
105 100
120 46.7 37.6 56.4

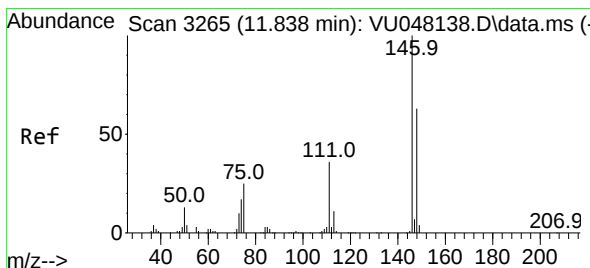
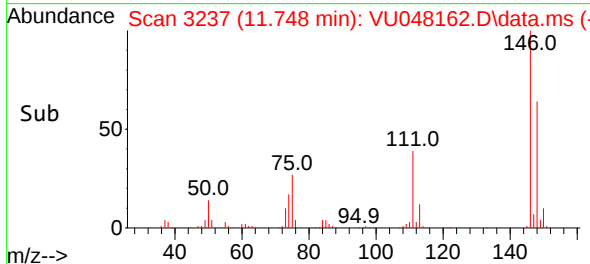
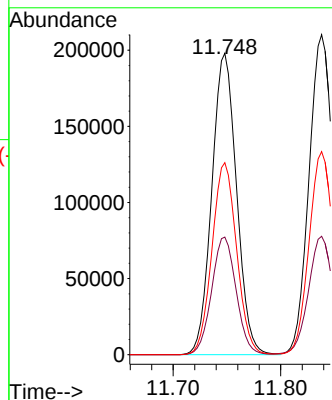
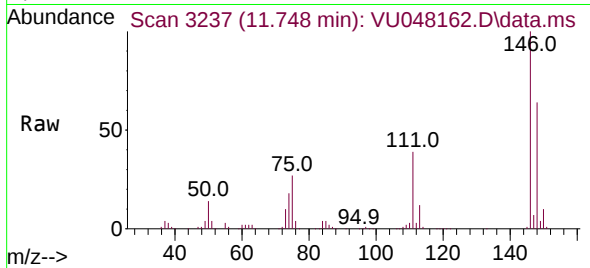




#64
 1,3-Dichlorobenzene
 Concen: 52.581 ug/L
 RT: 11.748 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU048162.D
 Acq: 21 Apr 2022 09:57

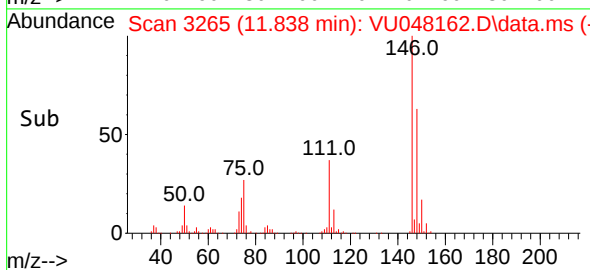
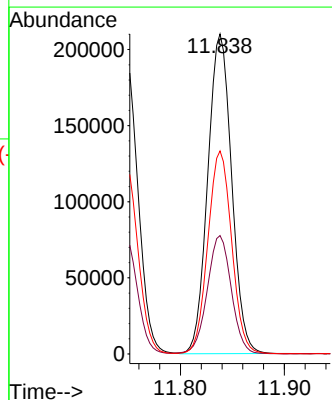
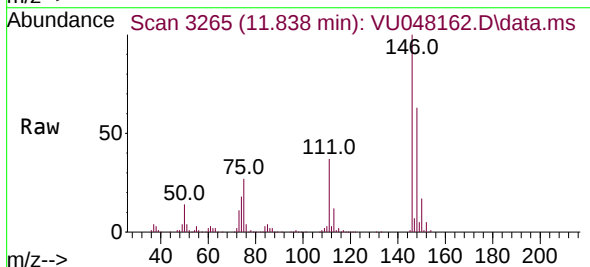
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050092

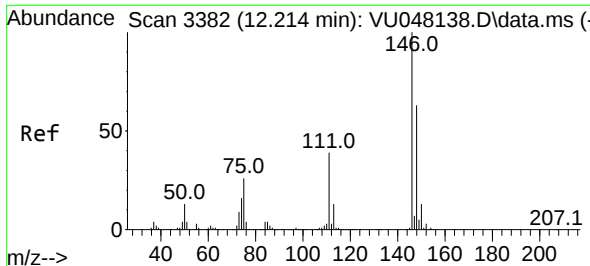
Tgt Ion:146 Resp: 316399
 Ion Ratio Lower Upper
 146 100
 111 39.0 26.7 49.7
 148 63.7 44.4 82.5



#65
 1,4-Dichlorobenzene
 Concen: 53.773 ug/L
 RT: 11.838 min Scan# 3265
 Delta R.T. -0.000 min
 Lab File: VU048162.D
 Acq: 21 Apr 2022 09:57

Tgt Ion:146 Resp: 335153
 Ion Ratio Lower Upper
 146 100
 111 37.0 25.3 47.1
 148 63.5 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 55.597 ug/L

RT: 12.214 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU048162.D

Acq: 21 Apr 2022 09:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD050092

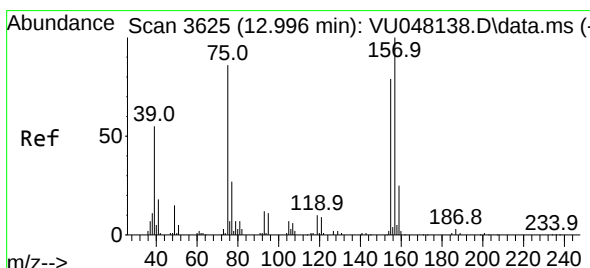
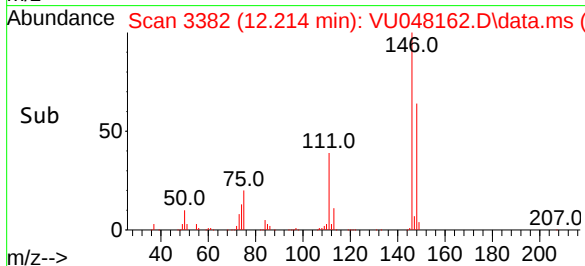
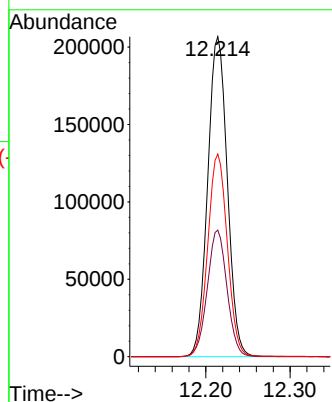
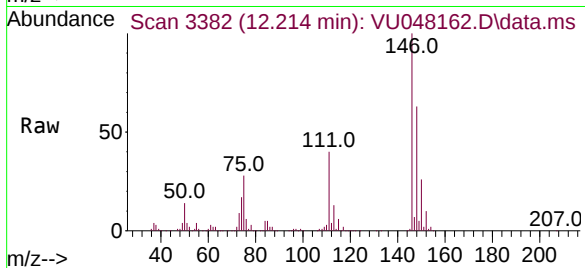
Tgt Ion:146 Resp: 334744

Ion Ratio Lower Upper

146 100

111 39.6 31.7 47.5

148 63.3 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 50.381 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.003 min

Lab File: VU048162.D

Acq: 21 Apr 2022 09:57

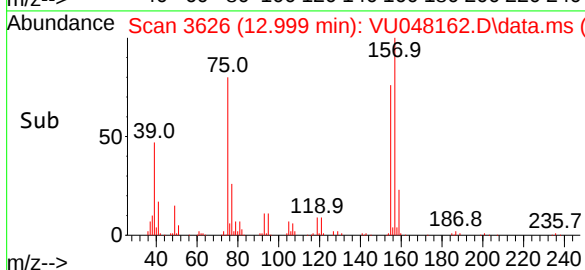
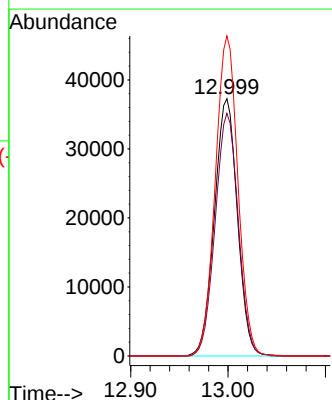
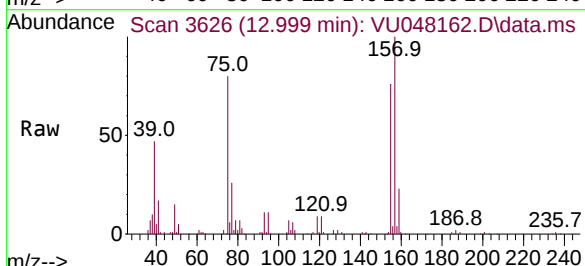
Tgt Ion: 75 Resp: 60943

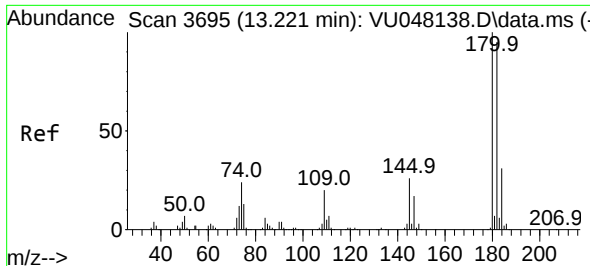
Ion Ratio Lower Upper

75 100

155 94.3 78.9 118.3

157 124.4 97.5 146.3

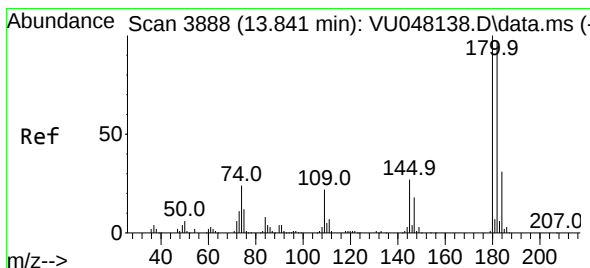
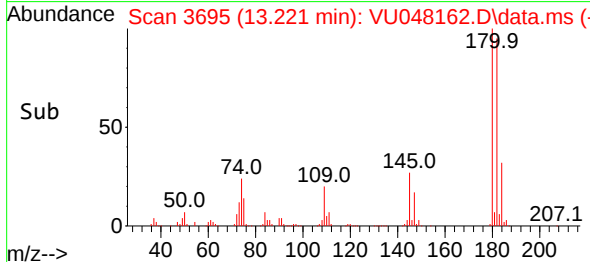
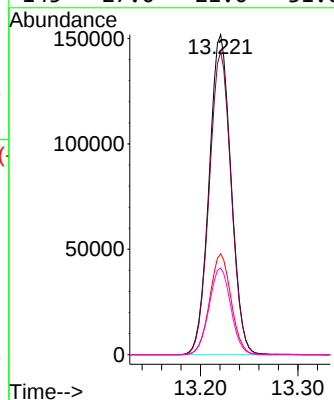
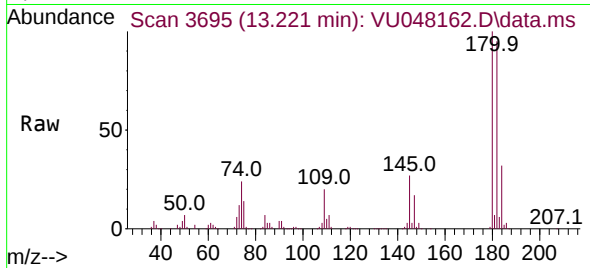




#69
 1,3,5-Trichlorobenzene
 Concen: 48.522 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU048162.D
 Acq: 21 Apr 2022 09:57

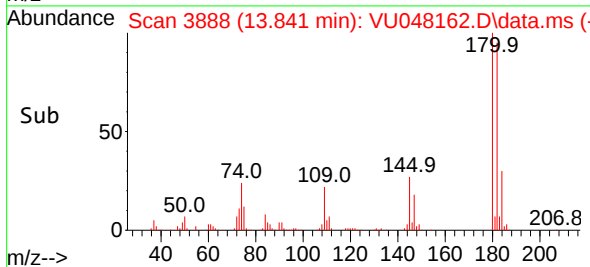
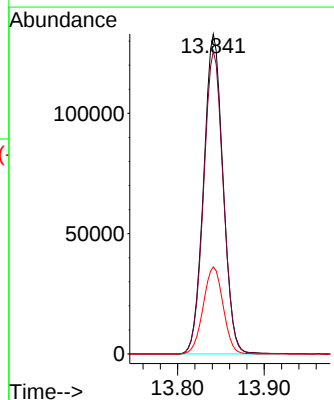
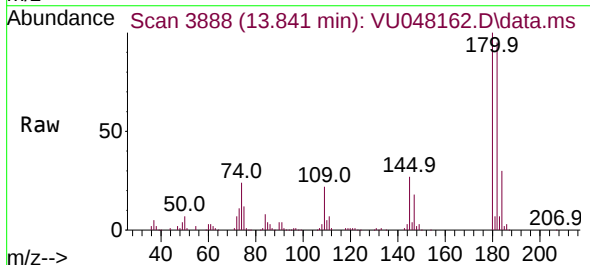
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050092

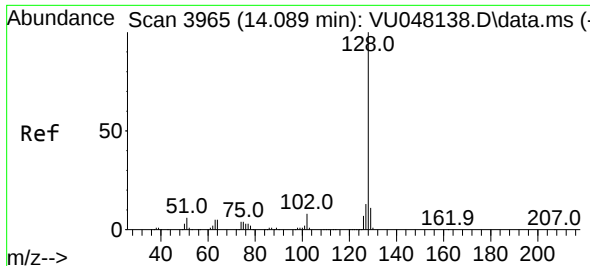
Tgt Ion:180	Resp:	237128
Ion Ratio	Lower	Upper
180	100	
182	94.9	77.0 115.6
184	30.7	24.5 36.7
145	27.0	21.0 31.6



#70
 1,2,4-trichlorobenzene
 Concen: 48.326 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU048162.D
 Acq: 21 Apr 2022 09:57

Tgt Ion:180	Resp:	206862
Ion Ratio	Lower	Upper
180	100	
182	95.9	76.2 114.2
145	27.9	21.8 32.8

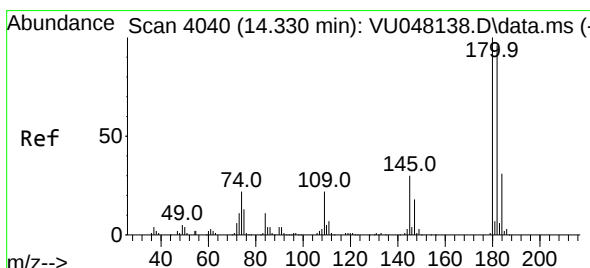
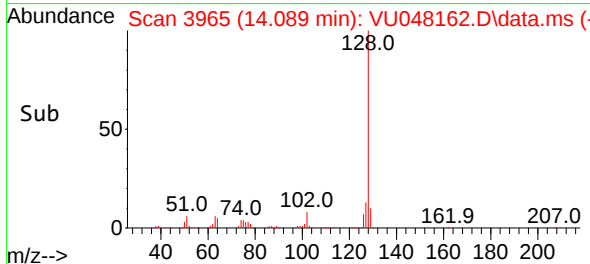
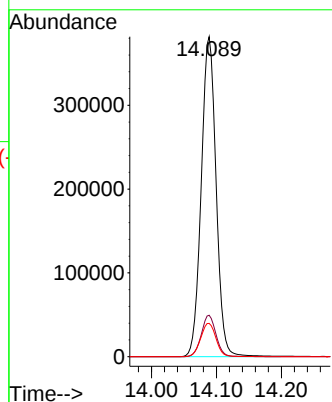
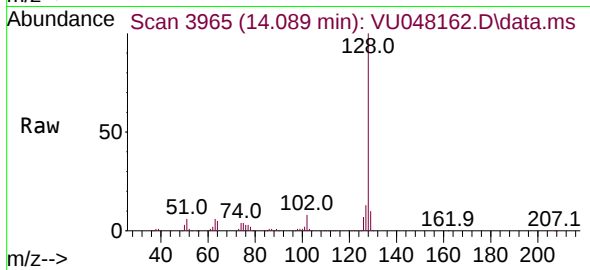




#71
Naphthalene
Concen: 47.745 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

Tgt Ion:128 Resp: 609314
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.7 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 51.023 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU048162.D
Acq: 21 Apr 2022 09:57

Tgt Ion:180 Resp: 218948
Ion Ratio Lower Upper
180 100
182 96.6 77.4 116.0
145 29.5 22.8 34.2

