

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041522\
 Data File : VU048107.D
 Acq On : 15 Apr 2022 18:07
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050085

Quant Time: Apr 16 00:37:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 16 00:34:16 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	386287	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	394465	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	228479	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	139155	49.677	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.360%
7) Chloroethane-d5	1.916	69	114115	51.665	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.320%
11) 1,1-Dichloroethene-d2	2.571	63	237178	46.278	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.560%
21) 2-Butanone-d5	4.626	46	196236	81.617	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.620%
24) Chloroform-d	5.067	84	242335	47.280	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.560%
26) 1,2-Dichloroethane-d4	5.703	65	145311	46.225	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.440%
32) Benzene-d6	5.729	84	492834	49.652	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.300%
36) 1,2-Dichloropropane-d6	6.693	67	154280	50.612	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.220%
41) Toluene-d8	7.899	98	461479	47.719	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.440%
43) trans-1,3-Dichloroprop...	8.182	79	68478	44.341	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.680%
47) 2-Hexanone-d5	8.636	63	146784	82.256	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.260%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	224922	42.994	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.980%
66) 1,2-Dichlorobenzene-d4	12.195	152	188293	46.322	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	145686	40.680	ug/L	99
3) Chloromethane	1.523	50	143553	41.915	ug/L	100
5) Vinyl chloride	1.607	62	155993	44.659	ug/L	97
6) Bromomethane	1.858	94	71361	37.957	ug/L	97
8) Chloroethane	1.935	64	97788	44.596	ug/L	94
9) Trichlorofluoromethane	2.141	101	212160	43.073	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	133024	46.721	ug/L	98
12) 1,1-Dichloroethene	2.581	96	120136	45.338	ug/L	96
13) Acetone	2.636	43	190921	85.329	ug/L	99
14) Carbon disulfide	2.797	76	324622	38.757	ug/L	100
15) Methyl Acetate	2.951	43	158827	44.516	ug/L	98
16) Methylene chloride	3.051	84	163186	53.668	ug/L	99
17) trans-1,2-Dichloroethene	3.356	96	129099	45.171	ug/L	97
18) Methyl tert-butyl Ether	3.366	73	391243	48.522	ug/L	99
19) 1,1-Dichloroethane	3.874	63	245977	49.903	ug/L	100
20) cis-1,2-Dichloroethene	4.671	96	149907	47.843	ug/L	97
22) 2-Butanone	4.706	43	247935	86.022	ug/L	96
23) Bromochloromethane	4.976	128	83727	48.670	ug/L	97
25) Chloroform	5.092	83	258289	48.671	ug/L	100

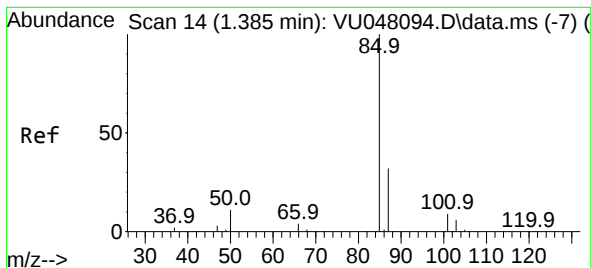
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	194123	47.347	ug/L	98
29) Cyclohexane	5.391	56	191675	47.886	ug/L	96
30) 1,1,1-Trichloroethane	5.317	97	211001	47.174	ug/L	99
31) Carbon tetrachloride	5.526	117	180549	44.702	ug/L	99
33) Benzene	5.777	78	567544	49.707	ug/L	100
34) Trichloroethene	6.542	95	141144	47.151	ug/L	99
35) Methylcyclohexane	6.764	83	211024	46.338	ug/L	98
37) 1,2-Dichloropropane	6.793	63	151039	52.036	ug/L	100
38) Bromodichloromethane	7.108	83	191095	47.943	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	220735	49.011	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	424689	92.575	ug/L	99
42) Toluene	7.970	91	618448	49.365	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	215033	47.819	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	156074	50.700	ug/L	99
46) Tetrachloroethene	8.555	164	124199	46.170	ug/L	98
48) 2-Hexanone	8.687	43	366920	92.982	ug/L	98
49) Dibromochloromethane	8.809	129	163715	45.916	ug/L	100
50) 1,2-Dibromoethane	8.925	107	163413	47.351	ug/L	100
51) Chlorobenzene	9.449	112	414158	48.687	ug/L	99
52) Ethylbenzene	9.571	91	597073	45.326	ug/L	100
53) m,p-Xylene	9.693	106	244670	47.336	ug/L	99
54) o-Xylene	10.102	106	225386	44.429	ug/L	99
55) Styrene	10.115	104	393312	45.411	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	261828	45.368	ug/L	99
59) Bromoform	10.291	173	129267	44.245	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	204773	47.542	ug/L	98
61) Isopropylbenzene	10.484	105	615637	49.857	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	327972	48.953	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	514817	50.587	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	334211	48.695	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	339783	47.796	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	337183	49.099	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.995	75	57180	41.444	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	266890	47.881	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	239331	49.020	ug/L	100
71) Naphthalene	14.089	128	704904	48.427	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	251224	51.329	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 40.680 ug/L

RT: 1.385 min Scan# 14

Delta R.T. -0.000 min

Lab File: VU048107.D

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Instrument :

MSVOA_U

ClientSampleId :

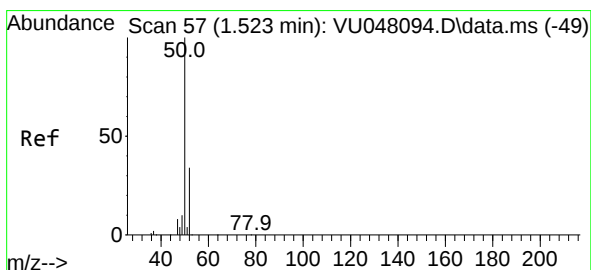
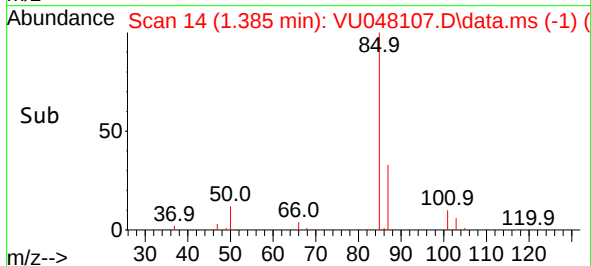
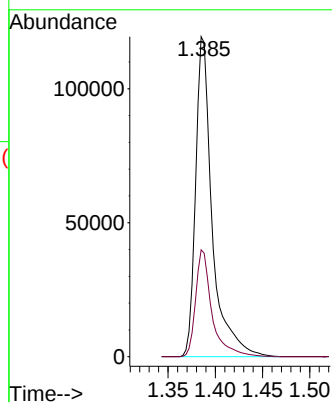
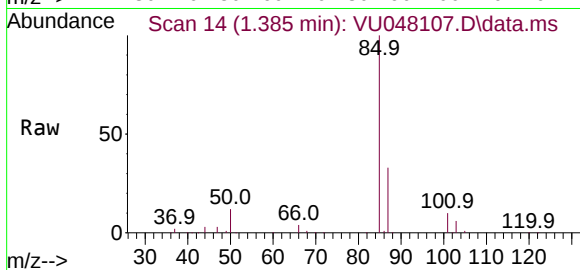
VSTD050085

Tgt Ion: 85 Resp: 145686

Ion Ratio Lower Upper

85 100

87 32.9 25.8 38.8



#3

Chloromethane

Concen: 41.915 ug/L

RT: 1.523 min Scan# 57

Delta R.T. -0.000 min

Lab File: VU048107.D

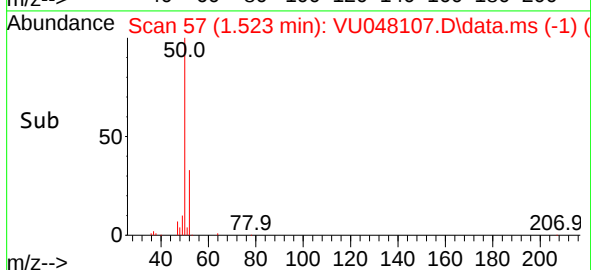
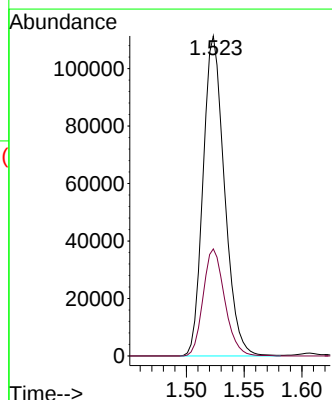
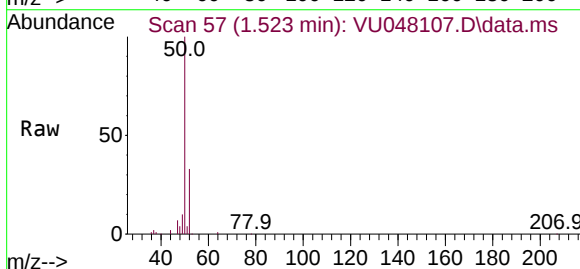
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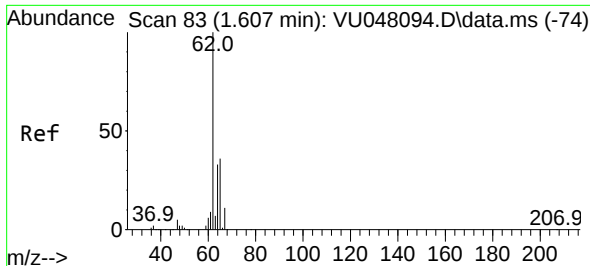
Tgt Ion: 50 Resp: 143553

Ion Ratio Lower Upper

50 100

52 33.5 23.2 43.2

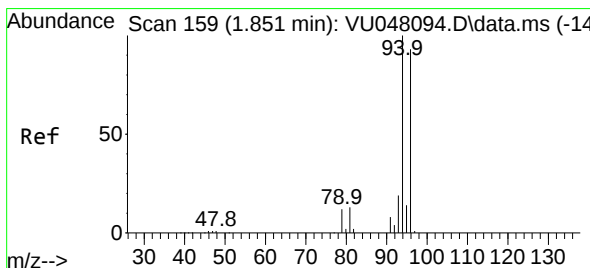
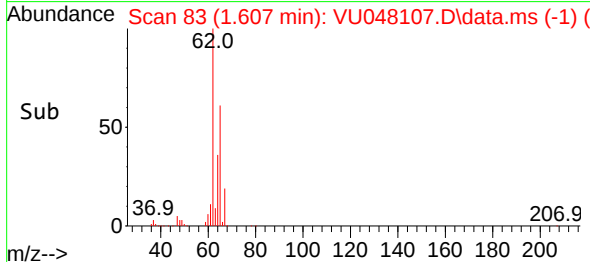
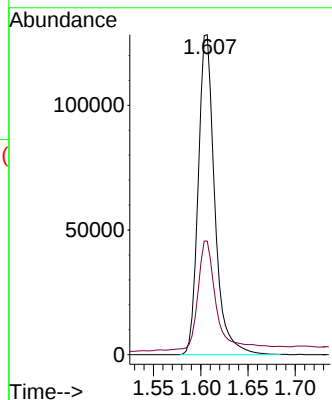
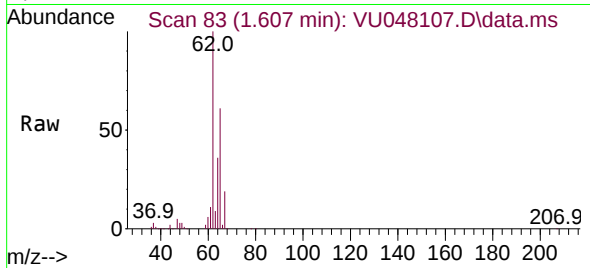




#5
 Vinyl chloride
 Concen: 44.659 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU048107.D
 Acq: 15 Apr 2022 18:07

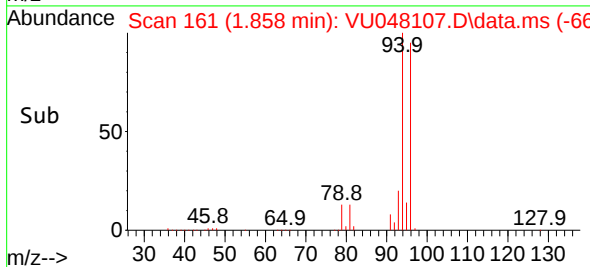
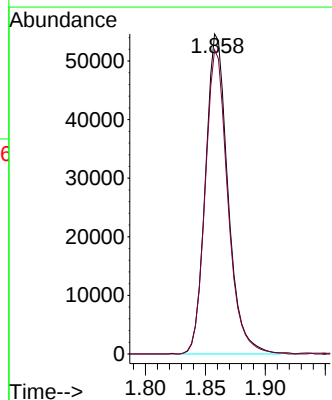
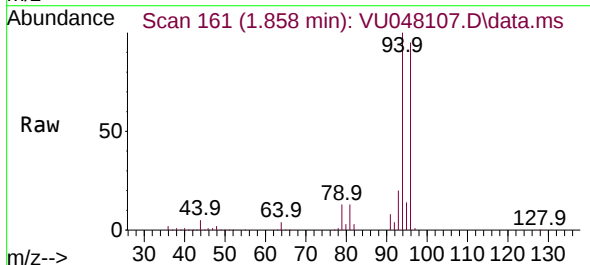
Instrument :
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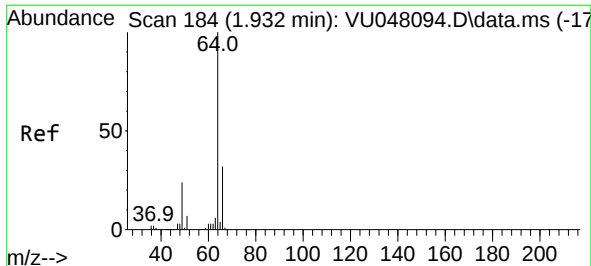
Tgt Ion: 62 Resp: 155993
 Ion Ratio Lower Upper
 62 100
 64 35.5 23.7 43.9



#6
 Bromomethane
 Concen: 37.957 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.006 min
 Lab File: VU048107.D
 Acq: 15 Apr 2022 18:07

Tgt Ion: 94 Resp: 71361
 Ion Ratio Lower Upper
 94 100
 96 95.0 64.8 120.3

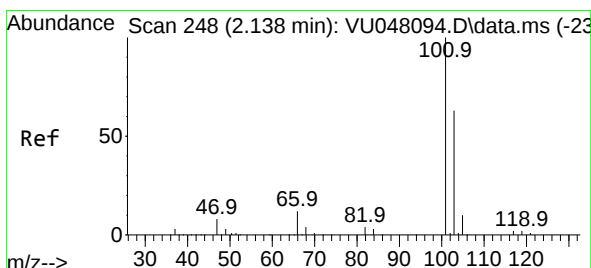
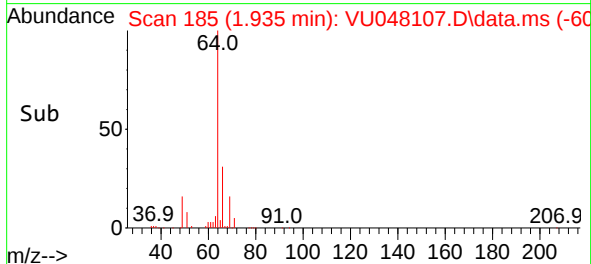
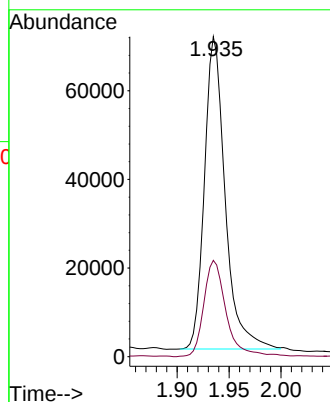
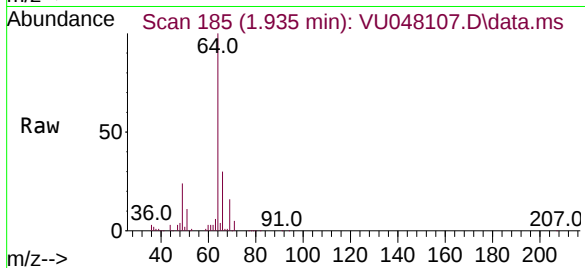




#8
Chloroethane
Concen: 44.596 ug/L
RT: 1.935 min Scan# 184
Delta R.T. 0.003 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

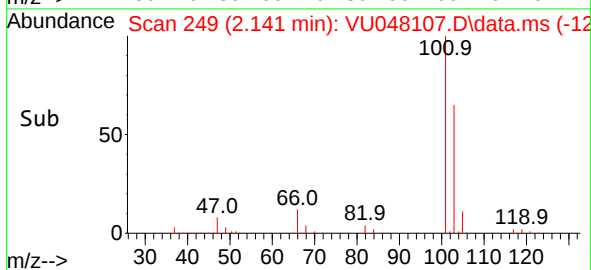
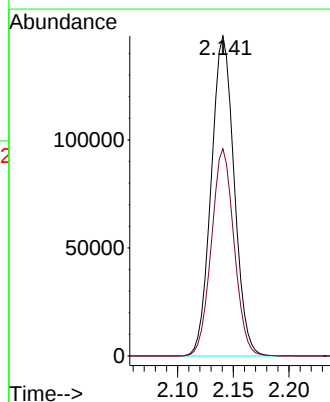
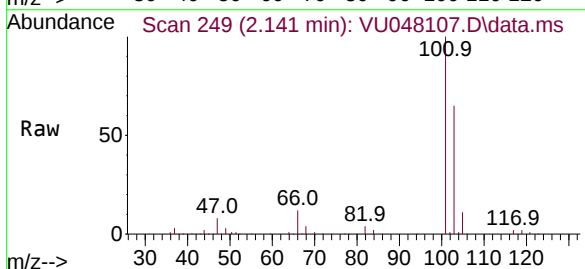
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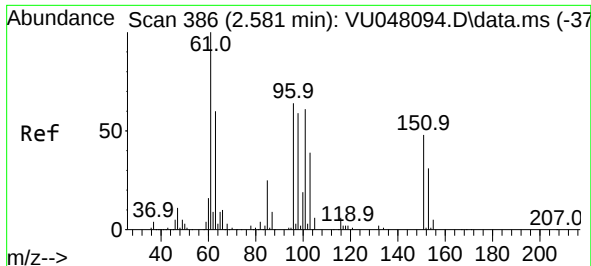
Tgt Ion: 64 Resp: 97788
Ion Ratio Lower Upper
64 100
66 30.1 23.3 43.3



#9
Trichlorofluoromethane
Concen: 43.073 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.003 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

Tgt Ion:101 Resp: 212160
Ion Ratio Lower Upper
101 100
103 64.0 51.4 77.2

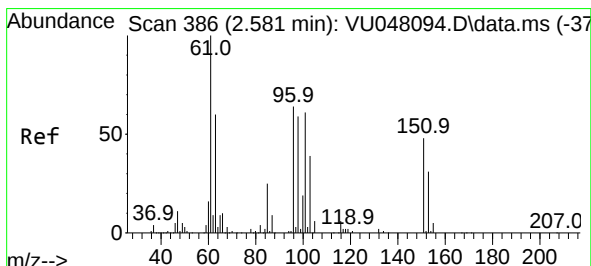
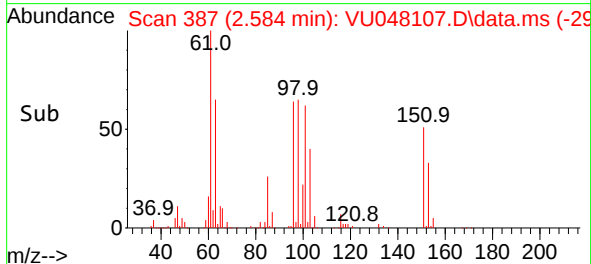
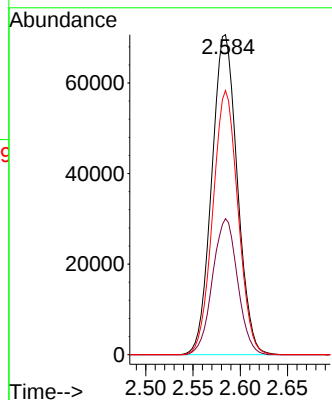
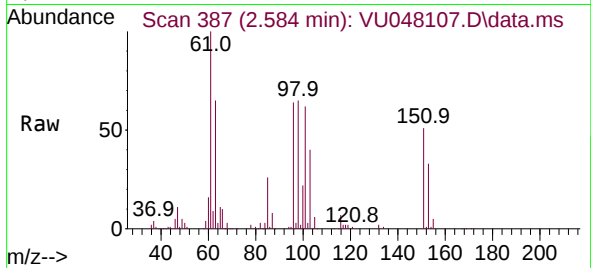




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 46.721 ug/L
RT: 2.584 min Scan# 387
Delta R.T. 0.003 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

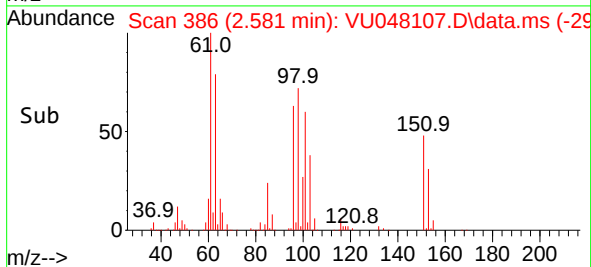
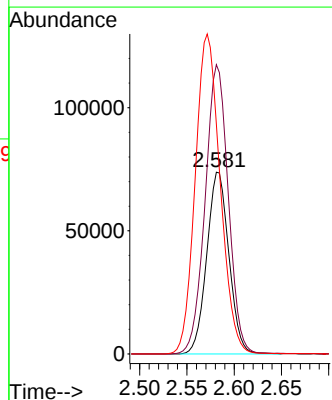
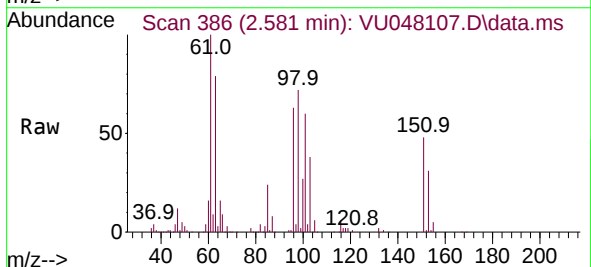
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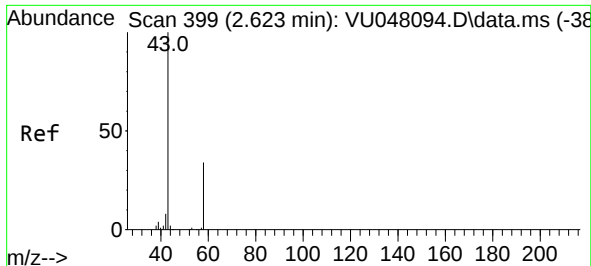
Tgt Ion:101 Resp: 133024
Ion Ratio Lower Upper
101 100
85 41.7 32.8 49.2
151 81.2 63.0 94.6



#12
1,1-Dichloroethene
Concen: 45.338 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.000 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

Tgt Ion: 96 Resp: 120136
Ion Ratio Lower Upper
96 100
61 159.1 113.1 210.1
63 126.4 94.8 176.0





#13

Acetone

Concen: 85.329 ug/L

RT: 2.636 min Scan# 403

Delta R.T. 0.013 min

Lab File: VU048107.D

Acq: 15 Apr 2022 18:07

Instrument :

MSVOA_U

ClientSampleId :

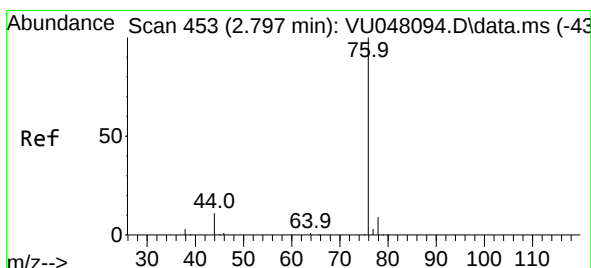
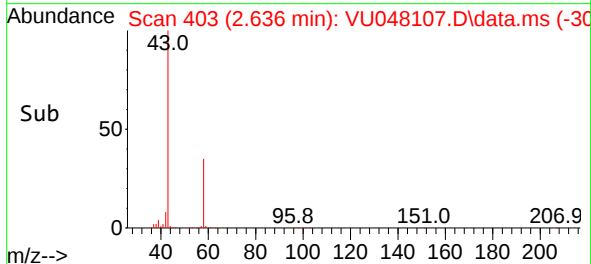
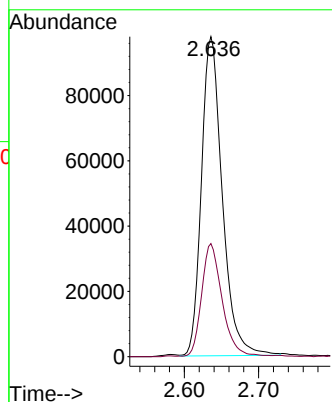
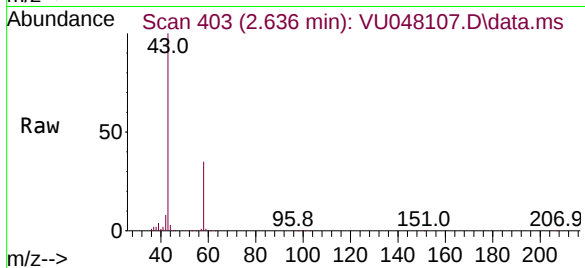
VSTD050085

Tgt Ion: 43 Resp: 190921

Ion Ratio Lower Upper

43 100

58 34.5 0.0 70.0



#14

Carbon disulfide

Concen: 38.757 ug/L

RT: 2.797 min Scan# 453

Delta R.T. -0.000 min

Lab File: VU048107.D

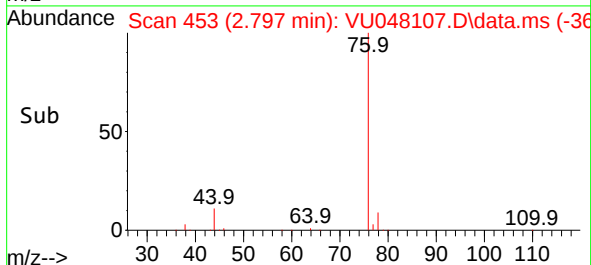
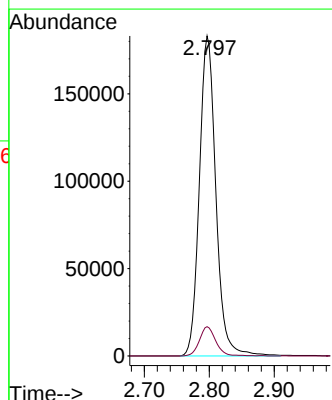
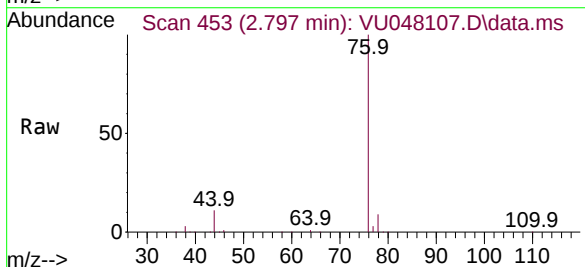
Acq: 15 Apr 2022 18:07

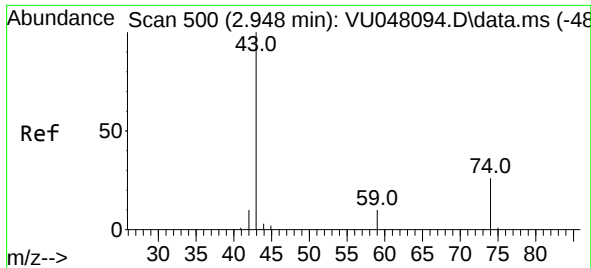
Tgt Ion: 76 Resp: 324622

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

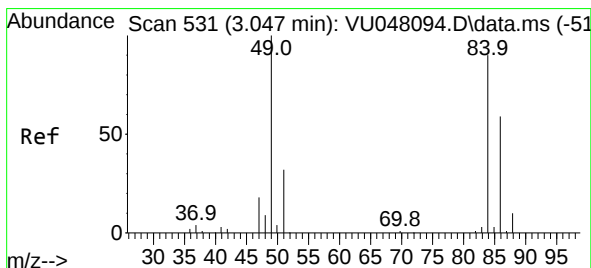
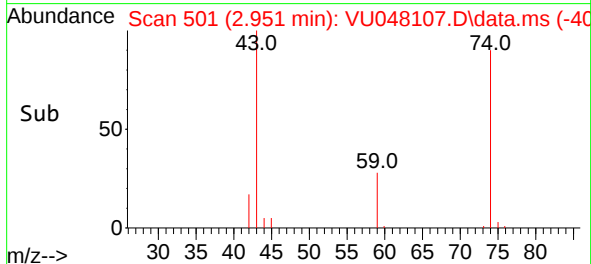
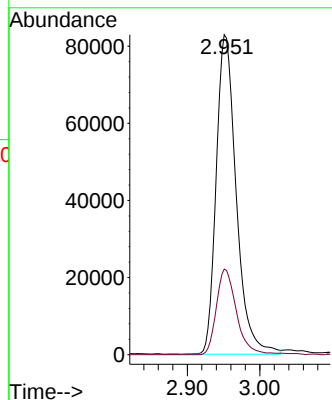
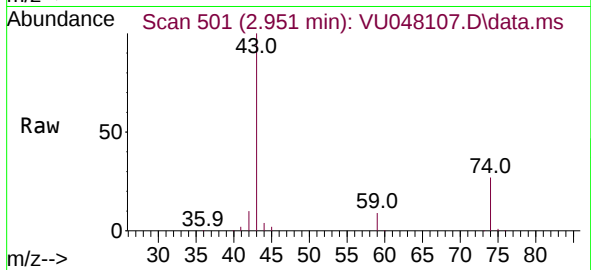




#15
Methyl Acetate
Concen: 44.516 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.003 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

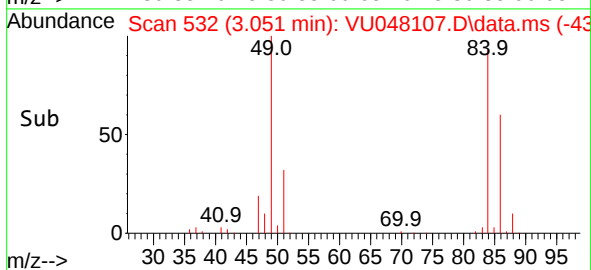
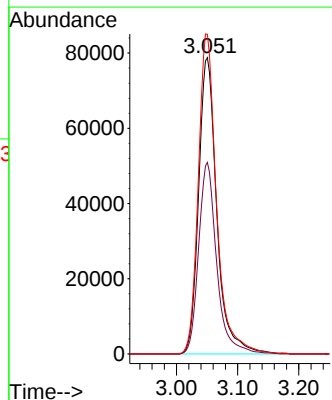
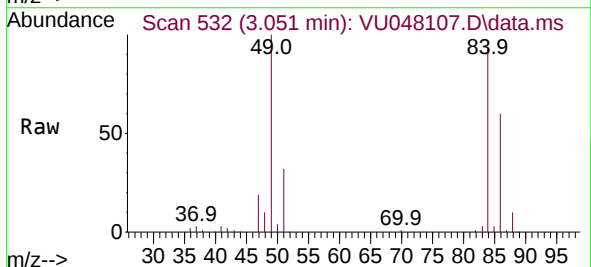
Instrument :
MSVOA_U
ClientSampleId :
VSTD050085

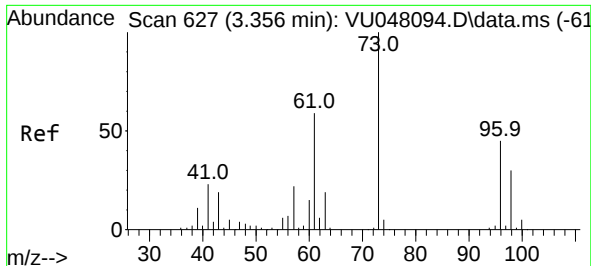
Tgt Ion: 43 Resp: 158827
Ion Ratio Lower Upper
43 100
74 26.8 22.2 33.2



#16
Methylene chloride
Concen: 53.668 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.003 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

Tgt Ion: 84 Resp: 163186
Ion Ratio Lower Upper
84 100
86 64.6 46.0 85.4
49 107.9 75.3 139.8

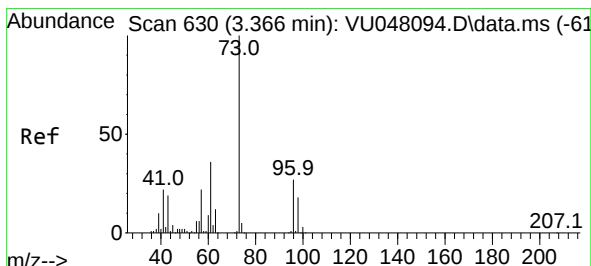
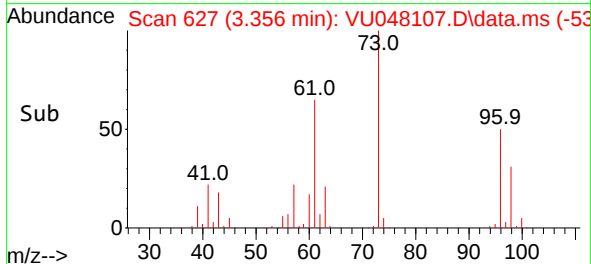
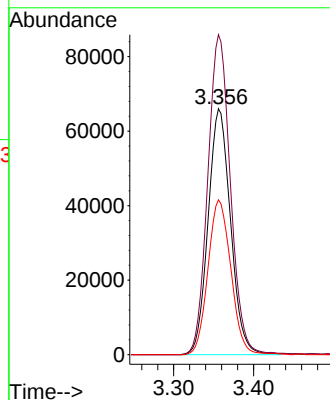
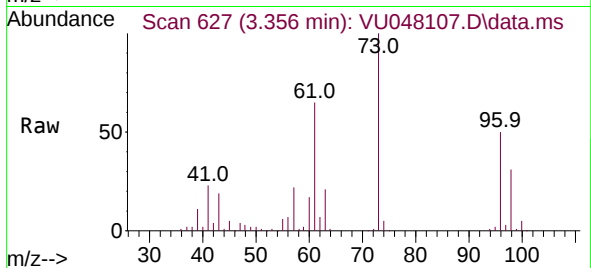




#17
trans-1,2-Dichloroethene
Concen: 45.171 ug/L
RT: 3.356 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

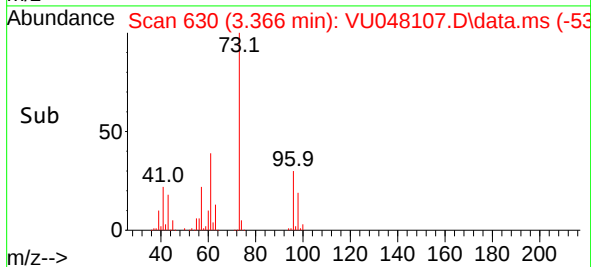
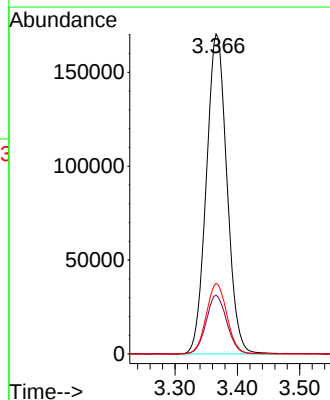
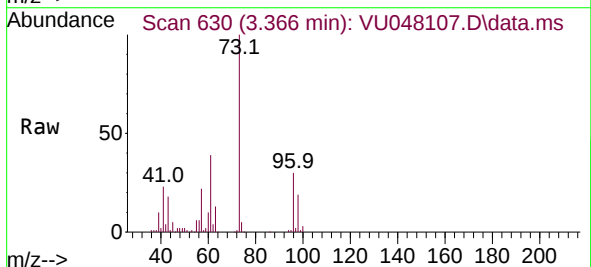
Instrument :
MSVOA_U
ClientSampleId :
VSTD050085

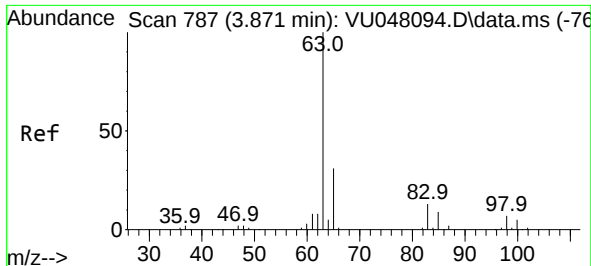
Tgt Ion: 96 Resp: 129099
Ion Ratio Lower Upper
96 100
61 130.1 88.4 164.2
98 63.0 43.3 80.5



#18
Methyl tert-butyl Ether
Concen: 48.522 ug/L
RT: 3.366 min Scan# 630
Delta R.T. -0.000 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

Tgt Ion: 73 Resp: 391243
Ion Ratio Lower Upper
73 100
43 18.5 15.3 22.9
57 22.1 17.0 25.6





#19

1,1-Dichloroethane

Concen: 49.903 ug/L

RT: 3.874 min Scan# 787

Delta R.T. 0.003 min

Lab File: VU048107.D

Acq: 15 Apr 2022 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050085

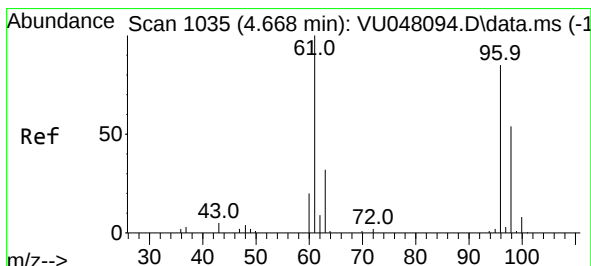
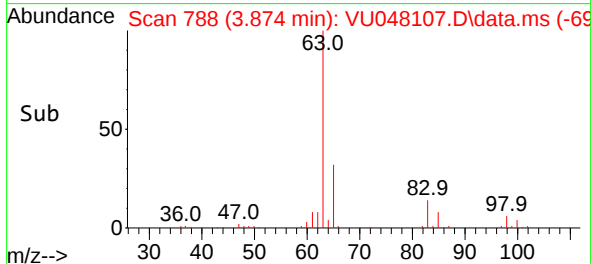
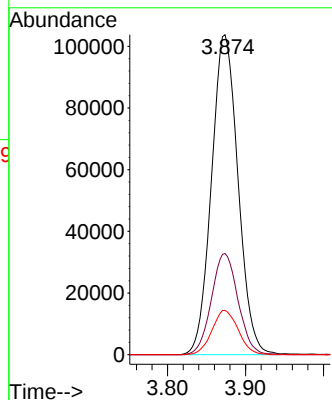
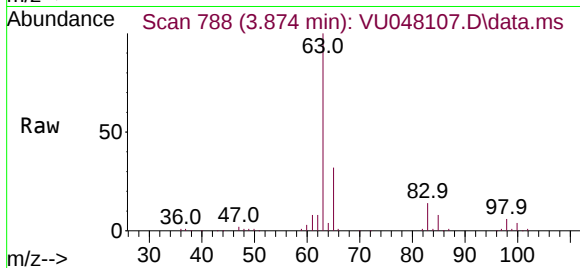
Tgt Ion: 63 Resp: 245977

Ion Ratio Lower Upper

63 100

65 31.6 22.0 41.0

83 13.9 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 47.843 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VU048107.D

Acq: 15 Apr 2022 18:07

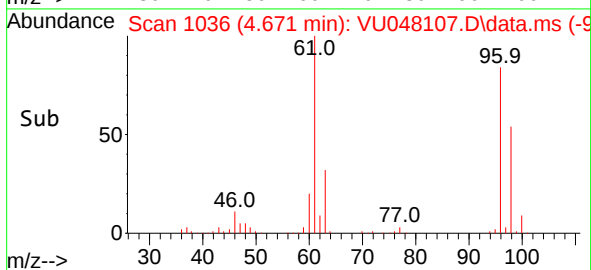
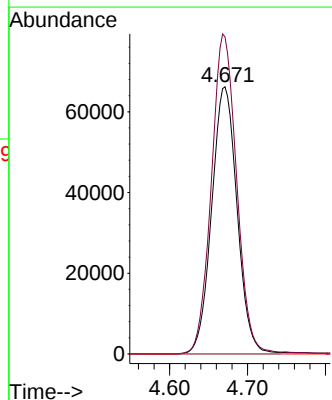
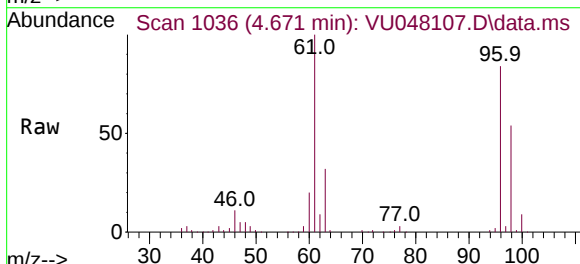
Tgt Ion: 96 Resp: 149907

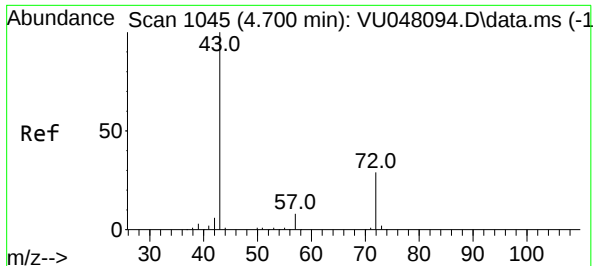
Ion Ratio Lower Upper

96 100

61 118.7 80.7 149.9

68 0.0 0.0 0.0

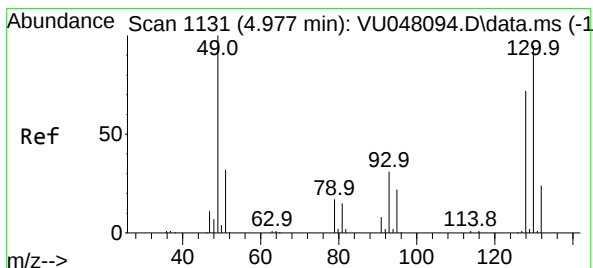
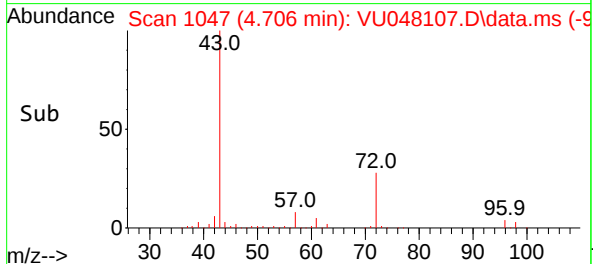
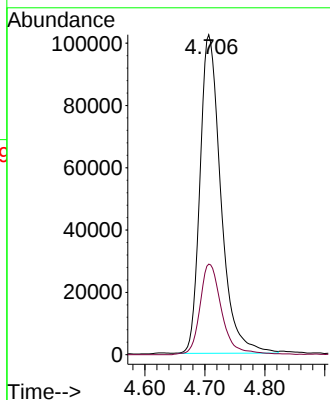
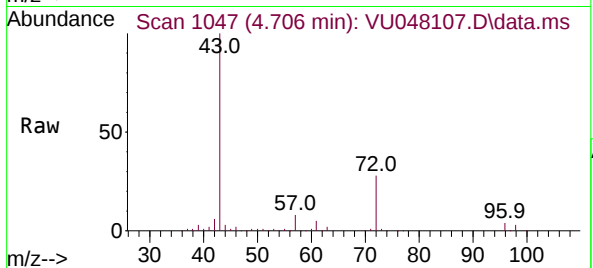




#22
2-Butanone
Concen: 86.022 ug/L
RT: 4.706 min Scan# 1045
Delta R.T. 0.006 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

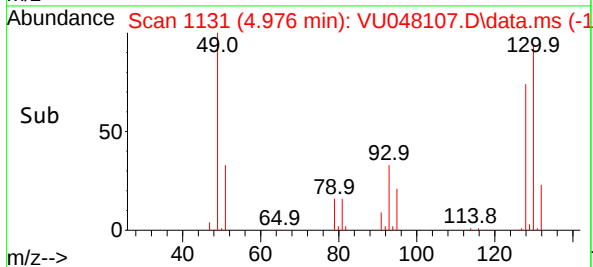
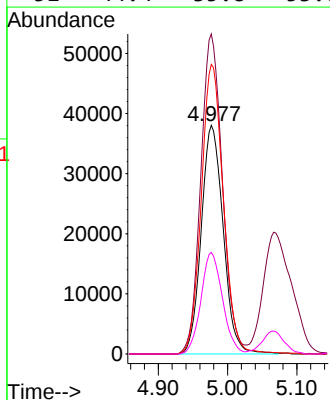
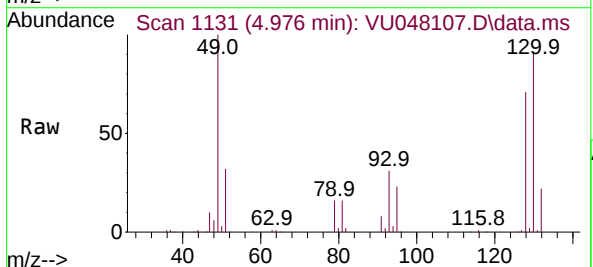
Instrument :
MSVOA_U
ClientSampleId :
VSTD050085

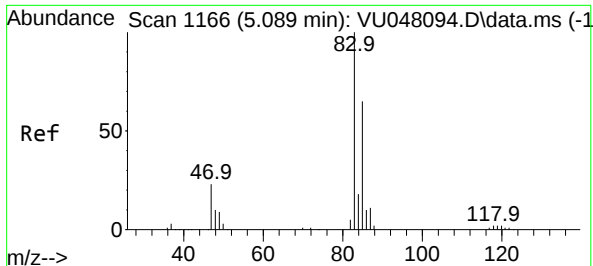
Tgt Ion: 43 Resp: 247935
Ion Ratio Lower Upper
43 100
72 29.7 16.0 47.9



#23
Bromochloromethane
Concen: 48.670 ug/L
RT: 4.976 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

Tgt Ion:128 Resp: 83727
Ion Ratio Lower Upper
128 100
49 140.0 94.1 174.8
130 126.7 90.2 167.4
51 44.4 35.8 53.6





#25

Chloroform

Concen: 48.671 ug/L

RT: 5.092 min Scan# 1166

Delta R.T. 0.003 min

Lab File: VU048107.D

Acq: 15 Apr 2022 18:07

Instrument :

MSVOA_U

ClientSampleId :

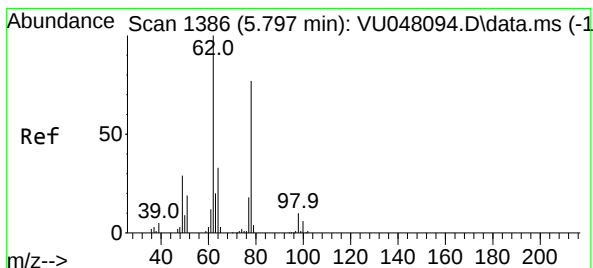
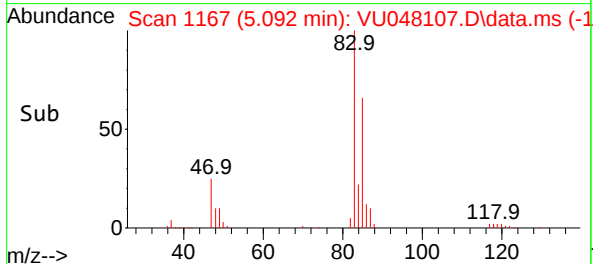
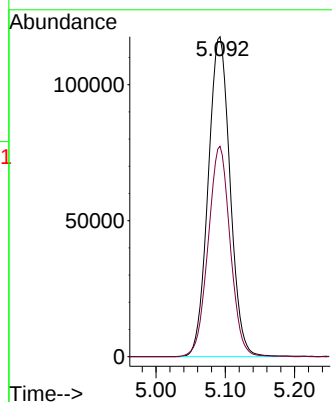
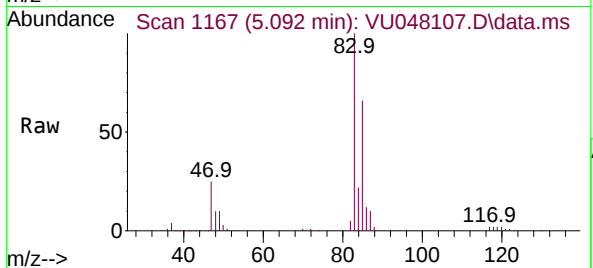
VSTD050085

Tgt Ion: 83 Resp: 258289

Ion Ratio Lower Upper

83 100

85 65.7 46.2 85.8



#27

1,2-Dichloroethane

Concen: 47.347 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VU048107.D

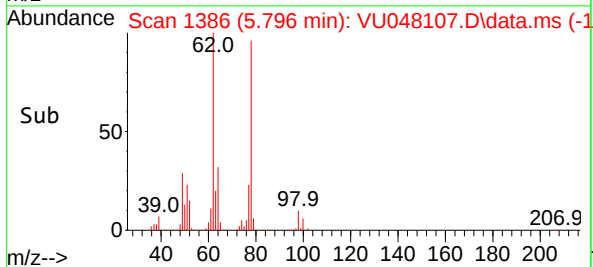
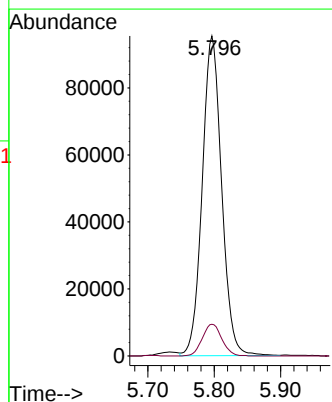
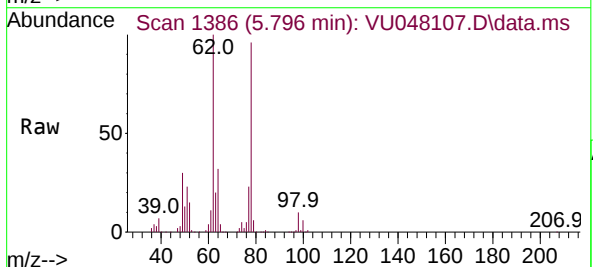
Acq: 15 Apr 2022 18:07

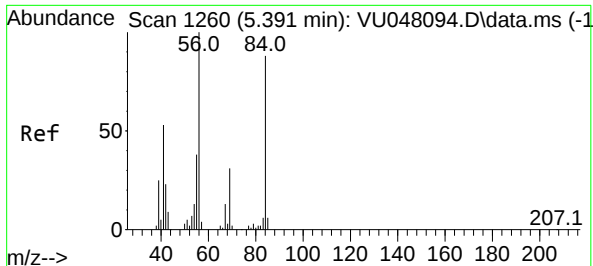
Tgt Ion: 62 Resp: 194123

Ion Ratio Lower Upper

62 100

98 9.9 7.4 11.0





#29

Cyclohexane

Concen: 47.886 ug/L

RT: 5.391 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU048107.D

Acq: 15 Apr 2022 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050085

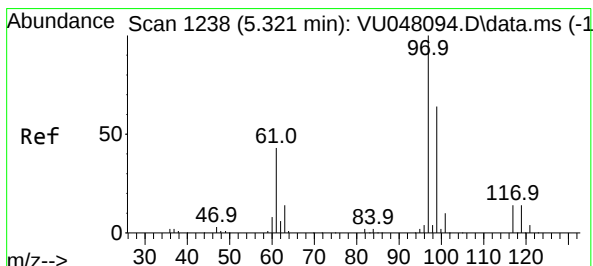
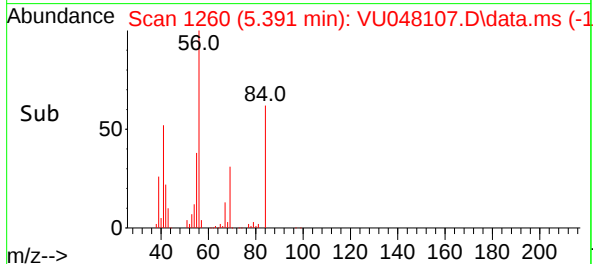
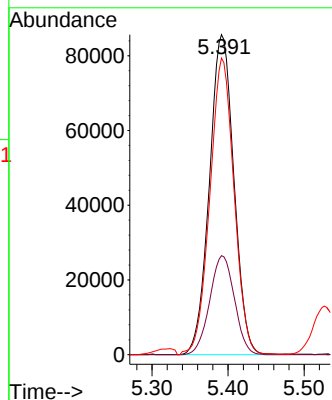
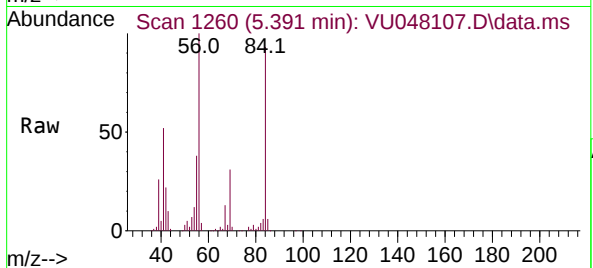
Tgt Ion: 56 Resp: 191675

Ion Ratio Lower Upper

56 100

69 31.2 25.4 38.2

84 91.3 77.0 115.6



#30

1,1,1-Trichloroethane

Concen: 47.174 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.003 min

Lab File: VU048107.D

Acq: 15 Apr 2022 18:07

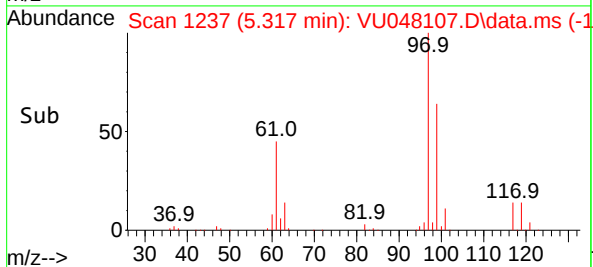
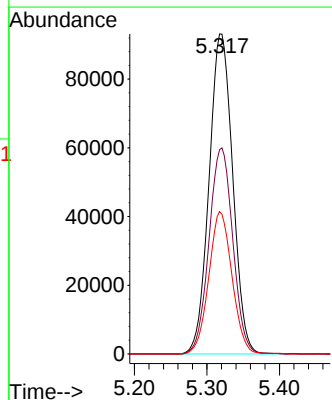
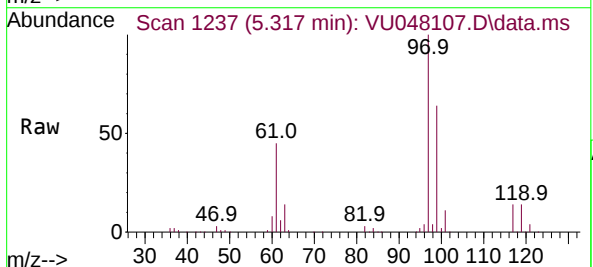
Tgt Ion: 97 Resp: 211001

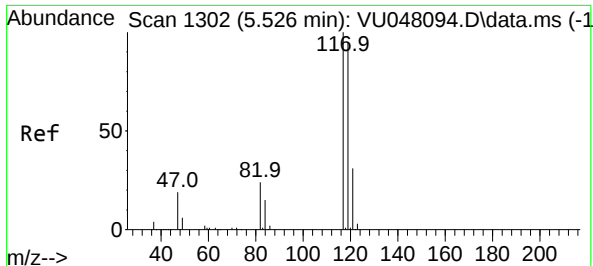
Ion Ratio Lower Upper

97 100

99 64.8 51.6 77.4

61 43.6 34.2 51.4

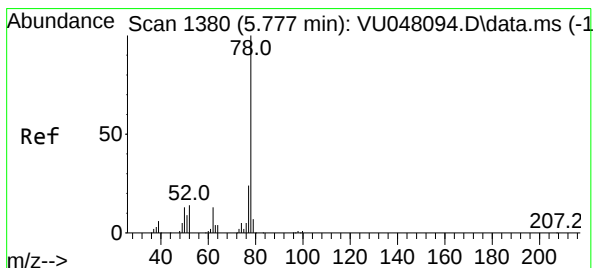
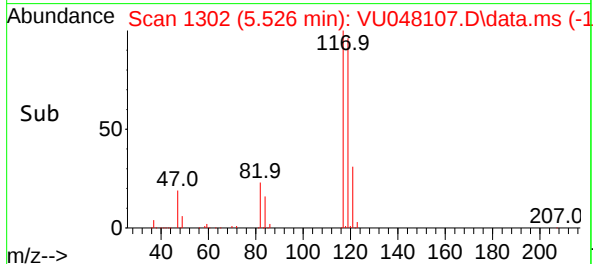
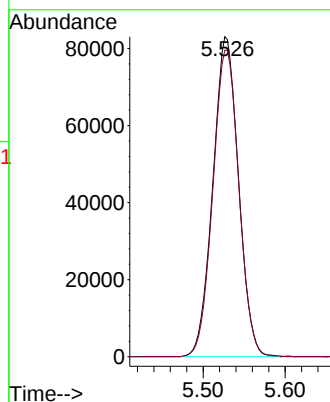
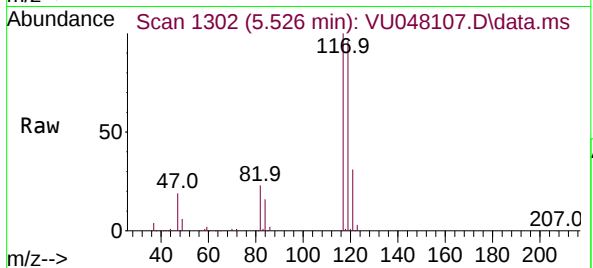




#31
Carbon tetrachloride
Concen: 44.702 ug/L
RT: 5.526 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

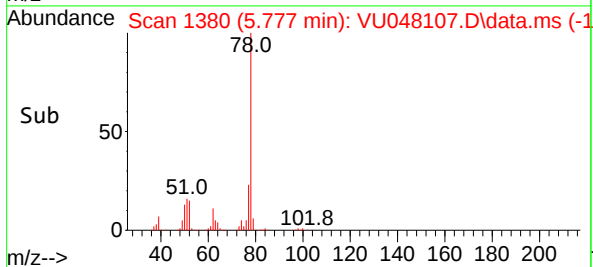
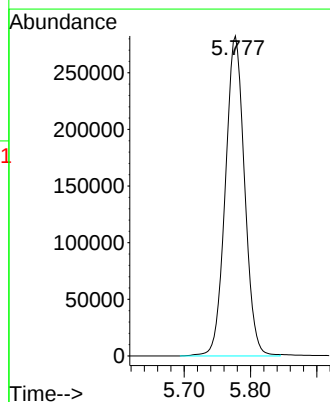
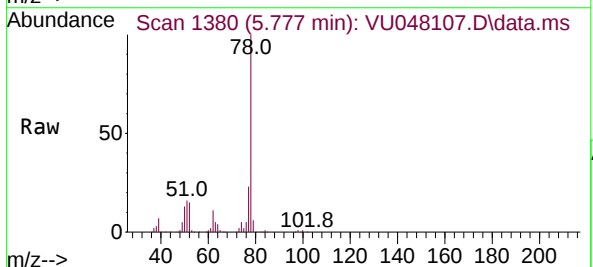
Instrument :
MSVOA_U
ClientSampleId :
VSTD050085

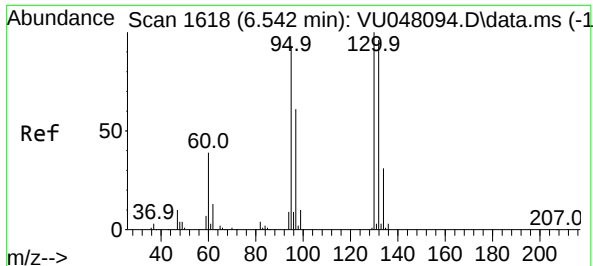
Tgt Ion:117 Resp: 180549
Ion Ratio Lower Upper
117 100
119 97.1 77.2 115.8



#33
Benzene
Concen: 49.707 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

Tgt Ion: 78 Resp: 567544

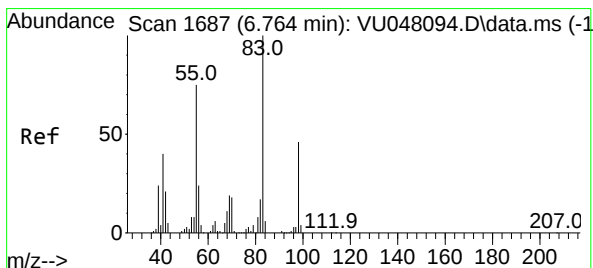
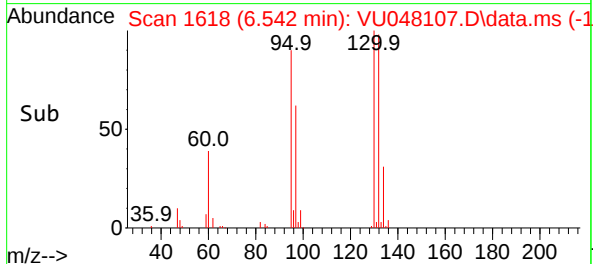
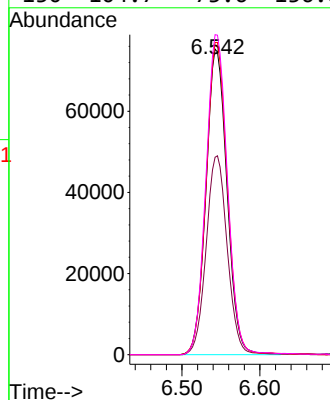
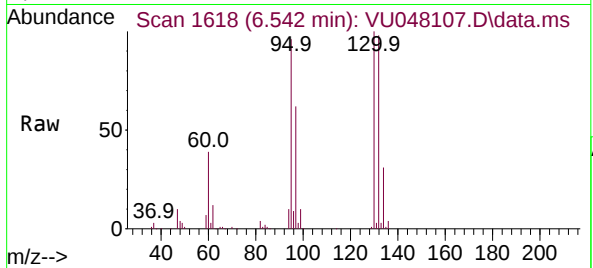




#34
Trichloroethene
Concen: 47.151 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

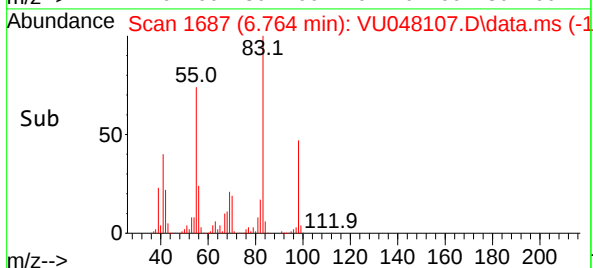
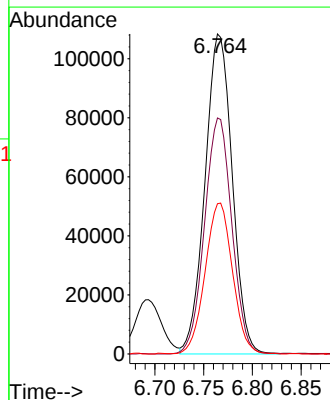
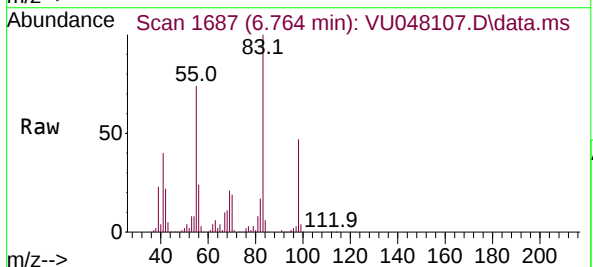
Instrument :
MSVOA_U
ClientSampleId :
VSTD050085

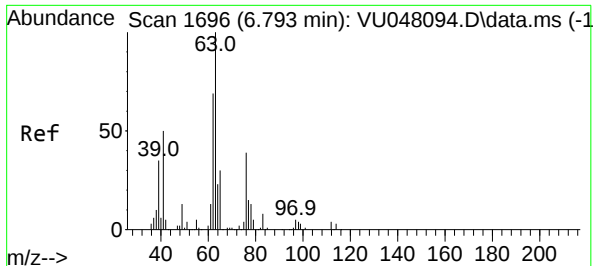
Tgt Ion: 95 Resp: 141144
Ion Ratio Lower Upper
95 100
97 64.6 44.7 82.9
132 102.2 70.4 130.8
130 104.7 73.6 136.8



#35
Methylcyclohexane
Concen: 46.338 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

Tgt Ion: 83 Resp: 211024
Ion Ratio Lower Upper
83 100
55 73.7 56.8 85.2
98 47.1 38.1 57.1





#37

1,2-Dichloropropane

Concen: 52.036 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048107.D

Acq: 15 Apr 2022 18:07

Instrument :

MSVOA_U

ClientSampleId :

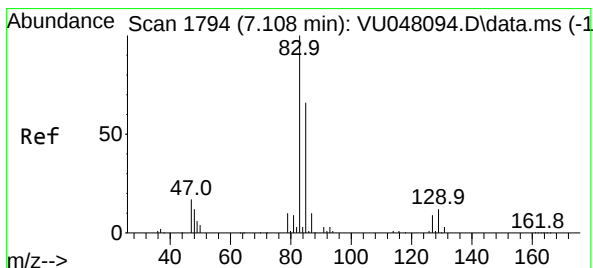
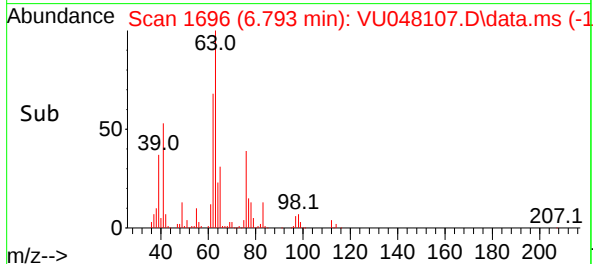
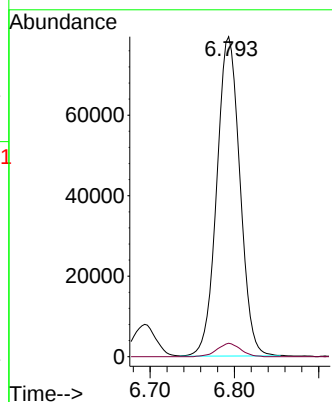
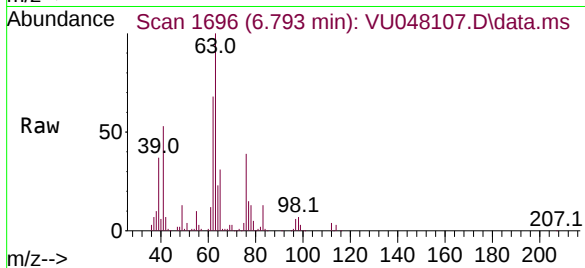
VSTD050085

Tgt Ion: 63 Resp: 151039

Ion Ratio Lower Upper

63 100

112 4.3 3.4 5.2



#38

Bromodichloromethane

Concen: 47.943 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VU048107.D

Acq: 15 Apr 2022 18:07

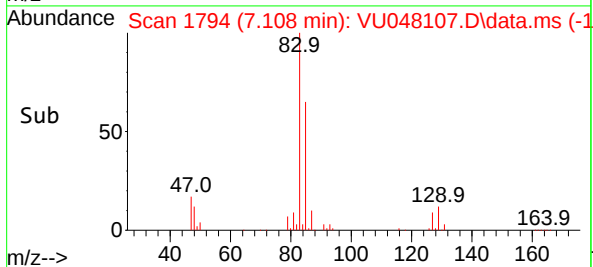
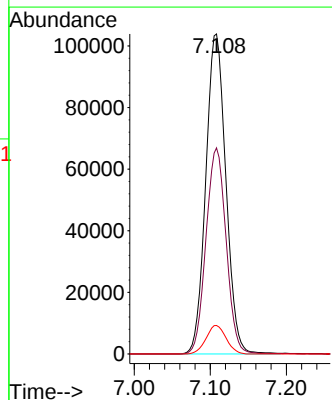
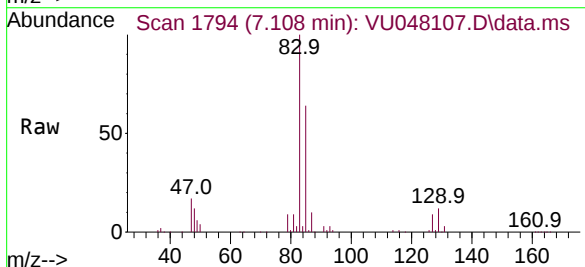
Tgt Ion: 83 Resp: 191095

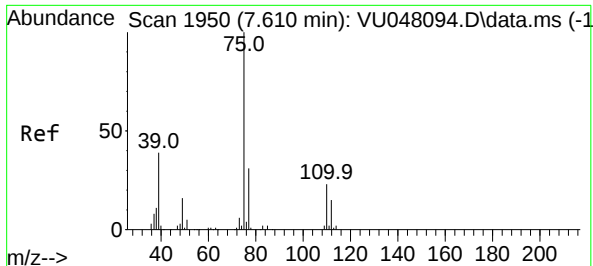
Ion Ratio Lower Upper

83 100

85 64.4 44.4 82.4

127 8.9 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 49.011 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU048107.D

Acq: 15 Apr 2022 18:07

Instrument :

MSVOA_U

ClientSampleId :

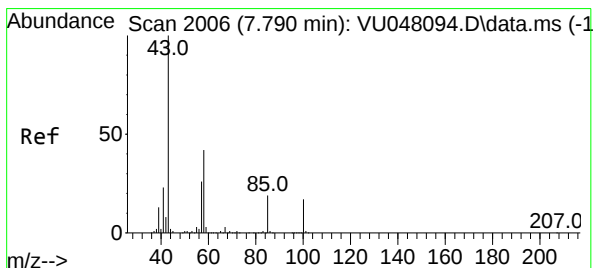
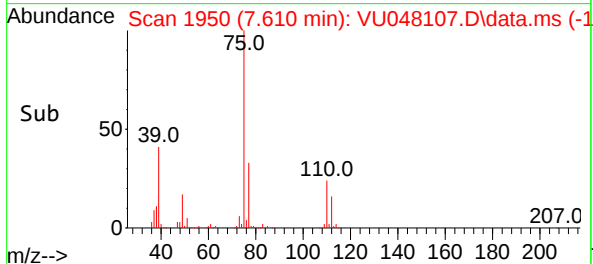
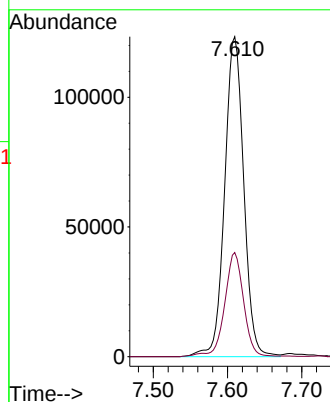
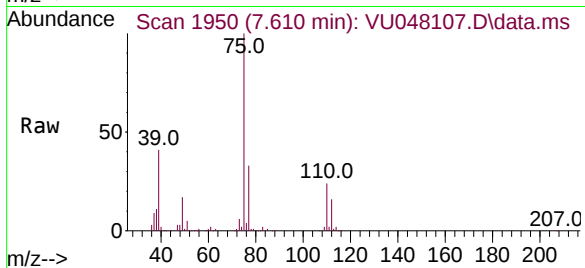
VSTD050085

Tgt Ion: 75 Resp: 220735

Ion Ratio Lower Upper

75 100

77 32.5 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 92.575 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU048107.D

Acq: 15 Apr 2022 18:07

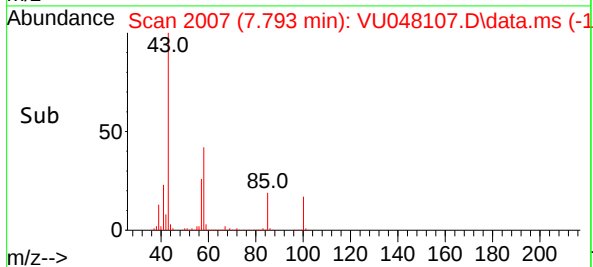
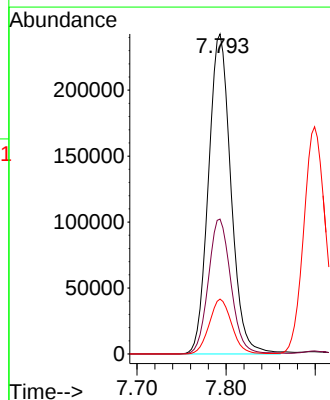
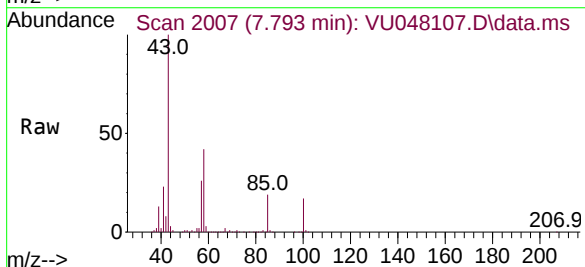
Tgt Ion: 43 Resp: 424689

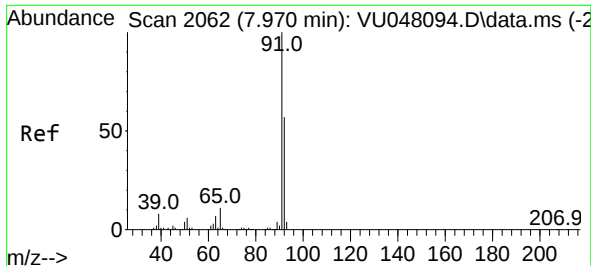
Ion Ratio Lower Upper

43 100

58 42.5 34.7 52.1

100 17.1 14.2 21.2





#42

Toluene

Concen: 49.365 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU048107.D

Acq: 15 Apr 2022 18:07

Instrument :

MSVOA_U

ClientSampleId :

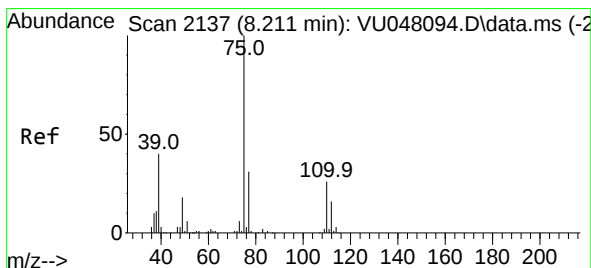
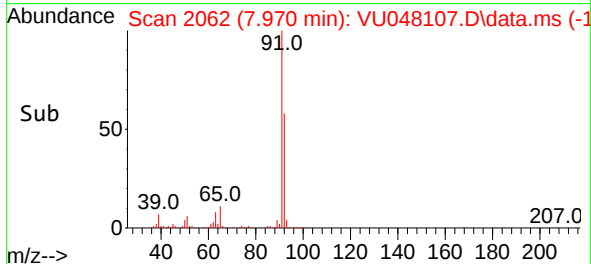
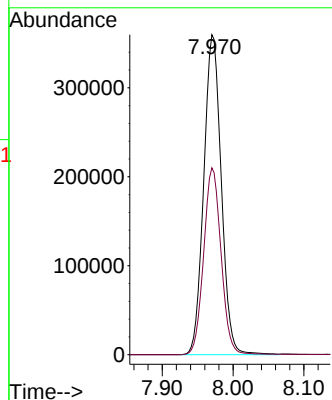
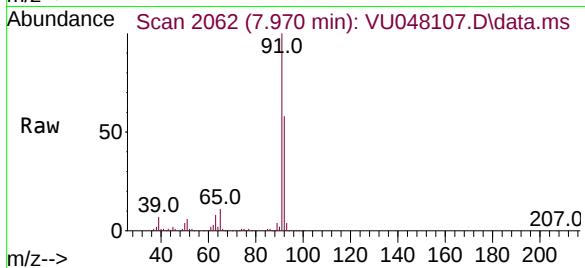
VSTD050085

Tgt Ion: 91 Resp: 618448

Ion Ratio Lower Upper

91 100

92 58.4 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 47.819 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU048107.D

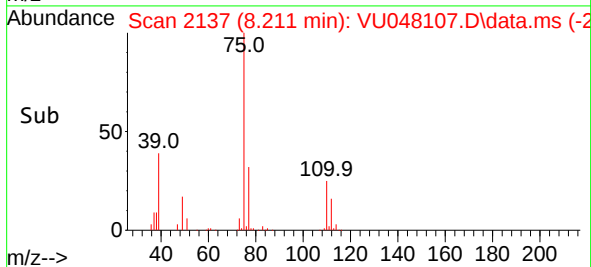
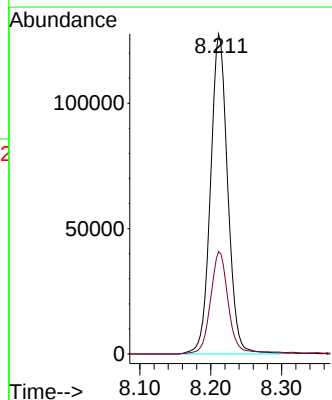
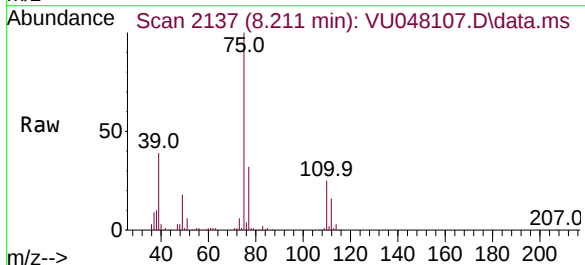
Acq: 15 Apr 2022 18:07

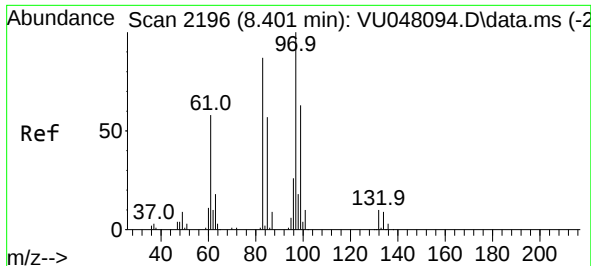
Tgt Ion: 75 Resp: 215033

Ion Ratio Lower Upper

75 100

77 32.0 22.0 40.8

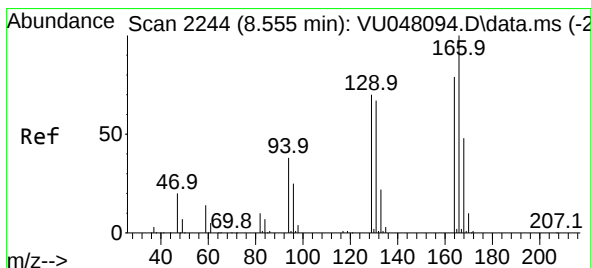
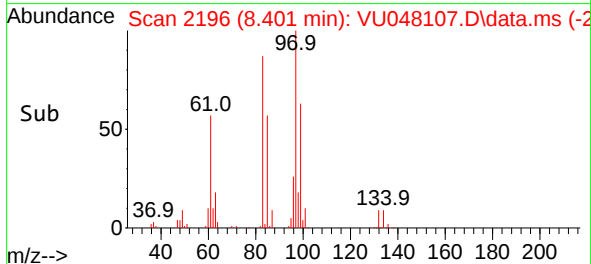
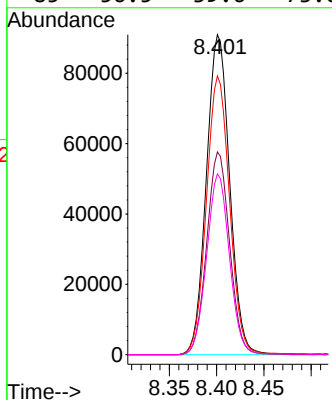
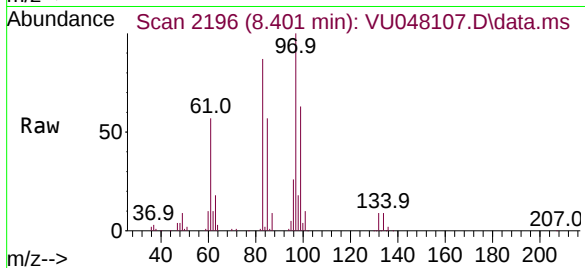




#45
1,1,2-Trichloroethane
Concen: 50.700 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

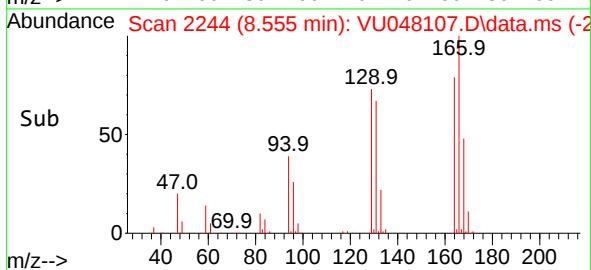
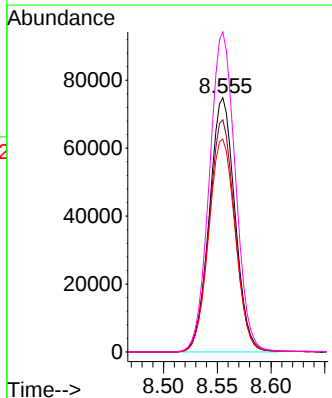
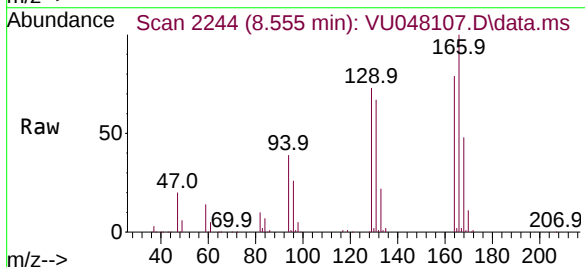
Instrument :
MSVOA_U
ClientSampleId :
VSTD050085

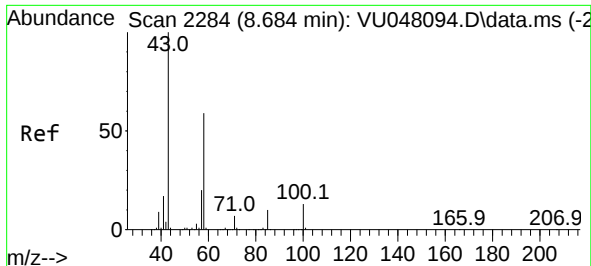
Tgt Ion:	97	Resp:	156074
Ion	Ratio	Lower	Upper
97	100		
99	63.4	43.3	80.3
83	87.1	61.0	113.4
85	56.5	39.6	73.6



#46
Tetrachloroethene
Concen: 46.170 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

Tgt Ion:	164	Resp:	124199
Ion	Ratio	Lower	Upper
164	100		
129	91.3	62.4	116.0
131	83.7	60.7	112.7
166	125.9	89.0	165.4

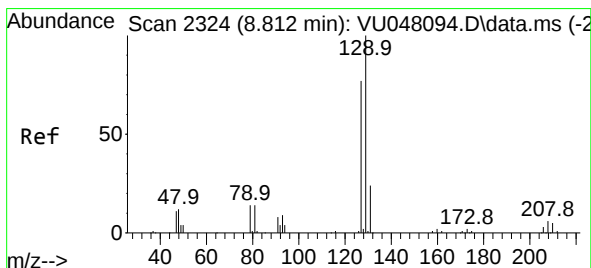
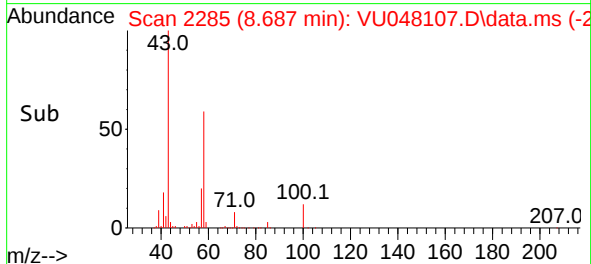
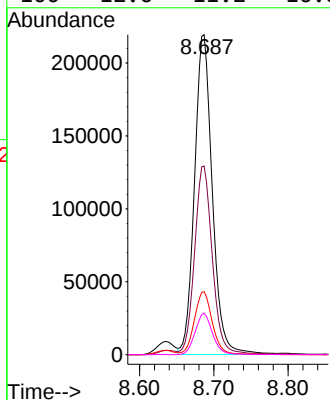
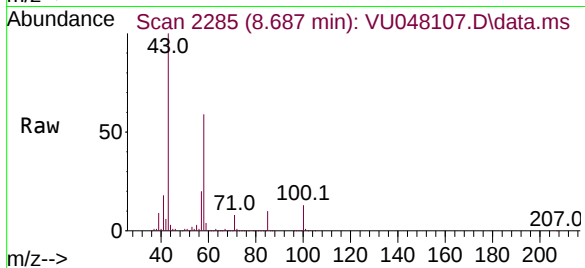




#48
2-Hexanone
Concen: 92.982 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

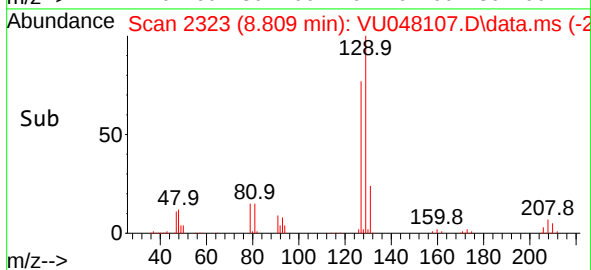
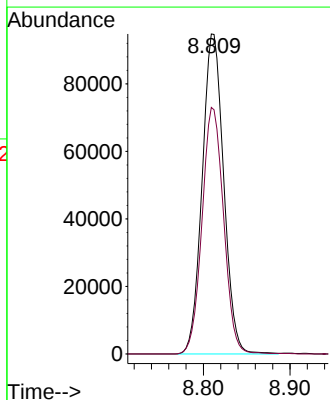
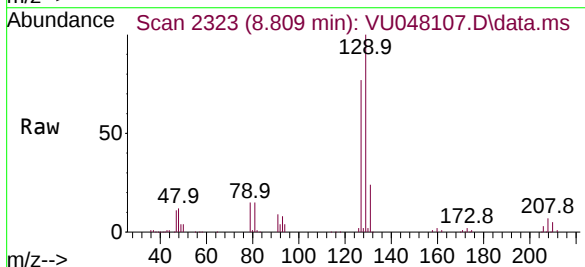
Instrument :
MSVOA_U
ClientSampleId :
VSTD050085

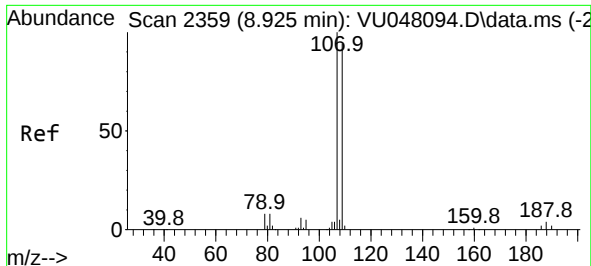
Tgt Ion: 43 Resp: 366920
Ion Ratio Lower Upper
43 100
58 58.5 48.1 72.1
57 19.2 16.2 24.4
100 12.6 11.2 16.8



#49
Dibromochloromethane
Concen: 45.916 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

Tgt Ion: 129 Resp: 163715
Ion Ratio Lower Upper
129 100
127 77.0 54.2 100.6





#50

1,2-Dibromoethane

Concen: 47.351 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU048107.D

Acq: 15 Apr 2022 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050085

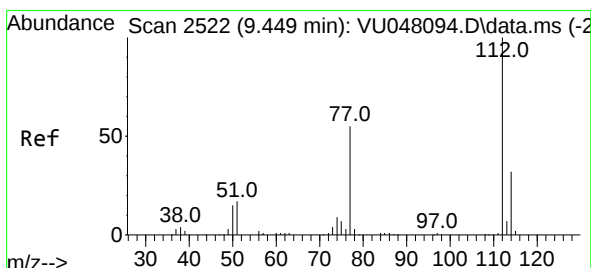
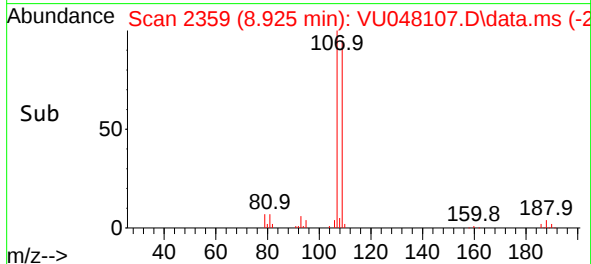
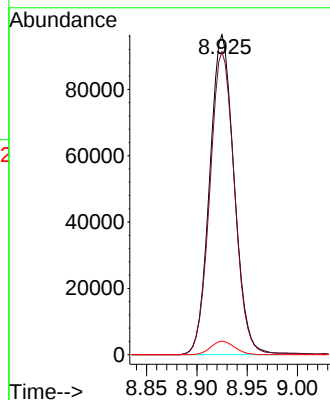
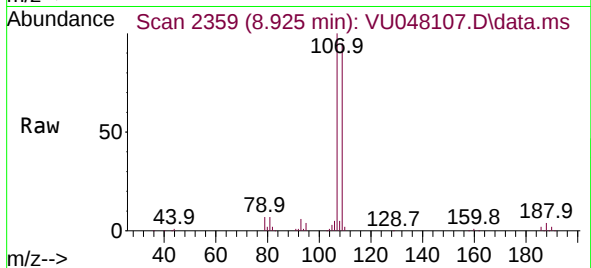
Tgt Ion:107 Resp: 163413

Ion Ratio Lower Upper

107 100

109 94.6 66.6 123.6

188 4.3 3.4 5.2



#51

Chlorobenzene

Concen: 48.687 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. -0.000 min

Lab File: VU048107.D

Acq: 15 Apr 2022 18:07

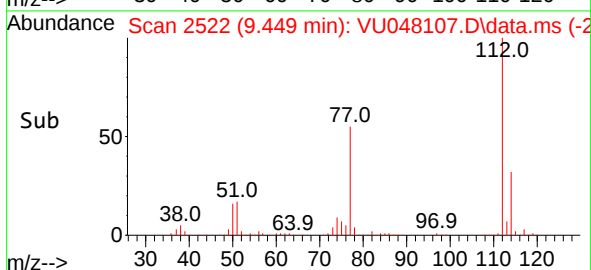
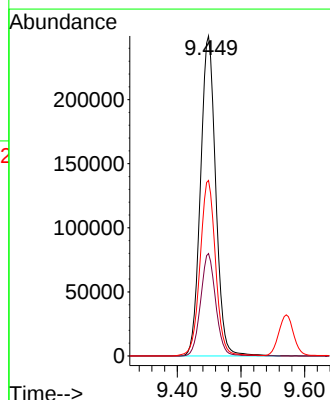
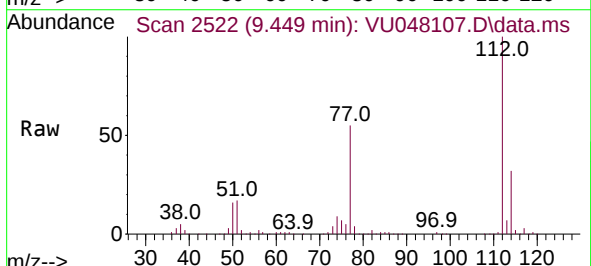
Tgt Ion:112 Resp: 414158

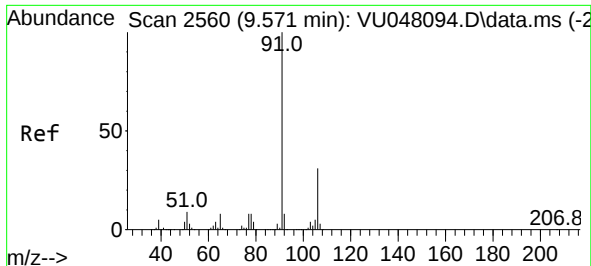
Ion Ratio Lower Upper

112 100

114 32.0 22.1 41.1

77 54.8 43.4 65.0

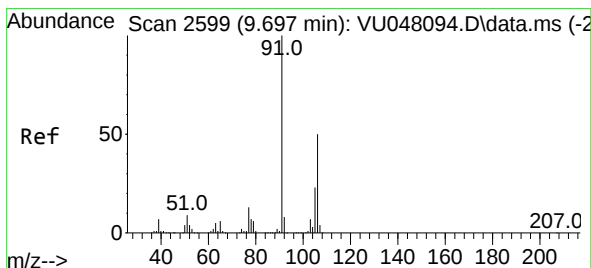
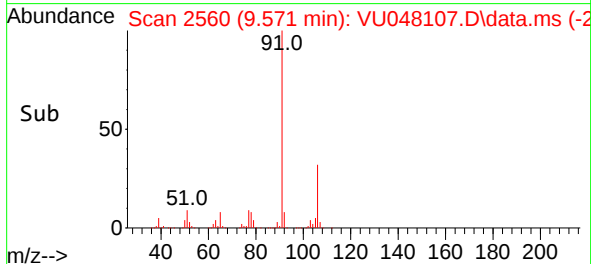
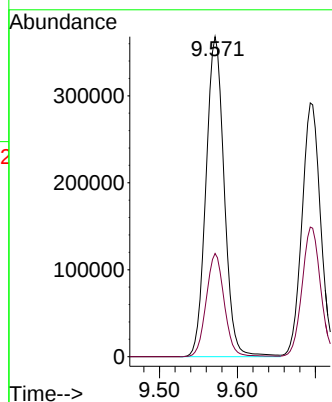
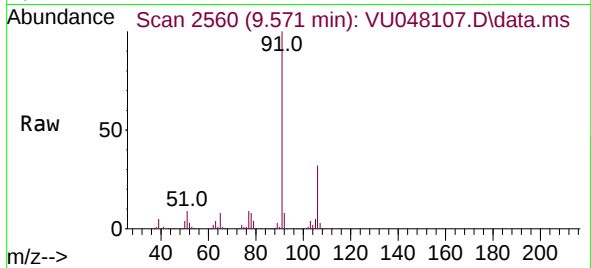




#52
Ethylbenzene
Concen: 45.326 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

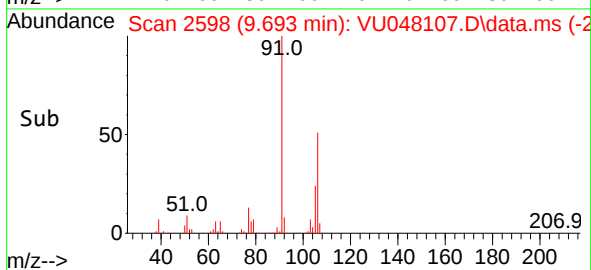
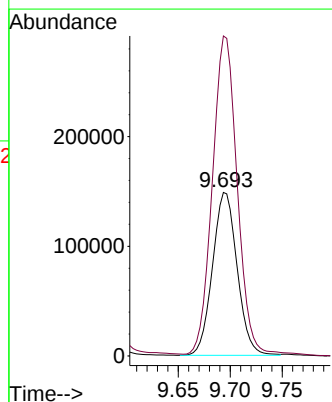
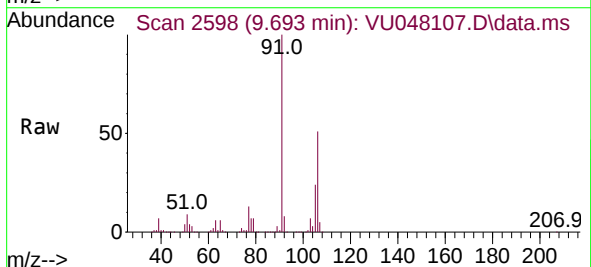
Instrument :
MSVOA_U
ClientSampleId :
VSTD050085

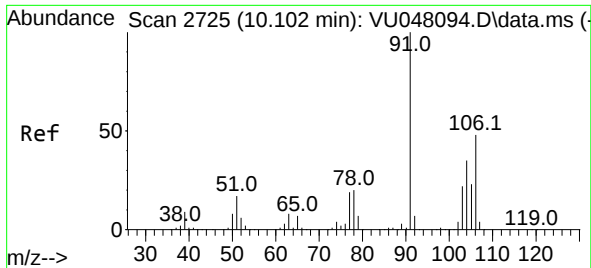
Tgt Ion: 91 Resp: 597073
Ion Ratio Lower Upper
91 100
106 32.3 22.4 41.6



#53
m,p-Xylene
Concen: 47.336 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

Tgt Ion: 106 Resp: 244670
Ion Ratio Lower Upper
106 100
91 195.7 137.7 255.7

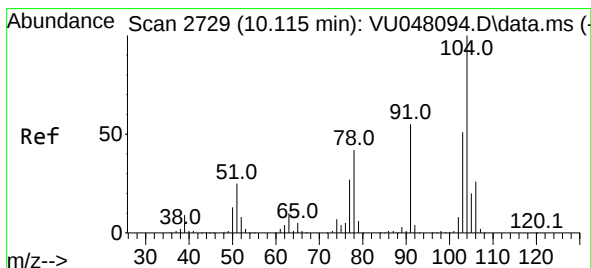
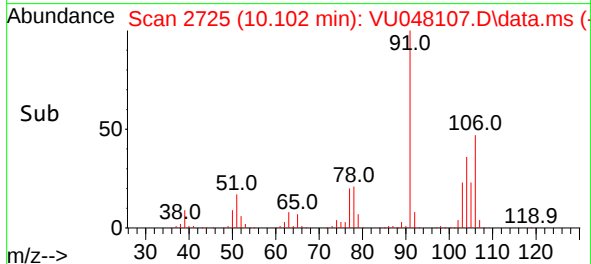
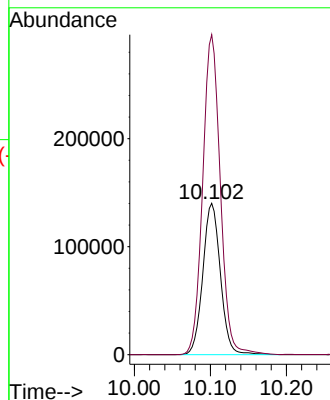
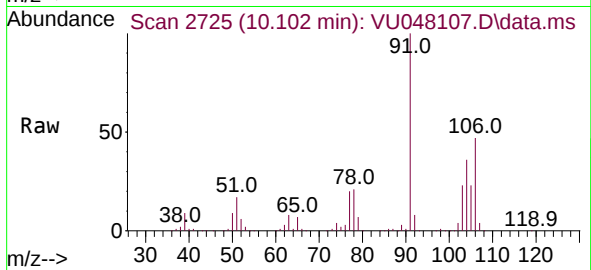




#54
o-Xylene
Concen: 44.429 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

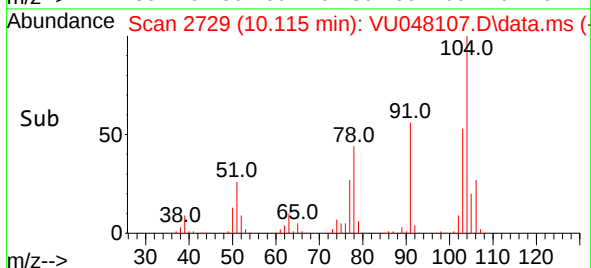
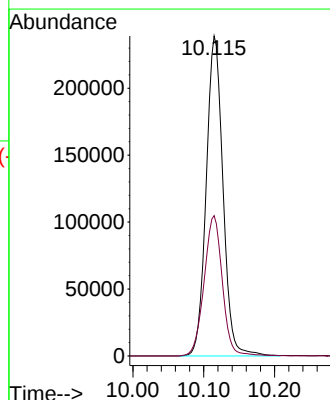
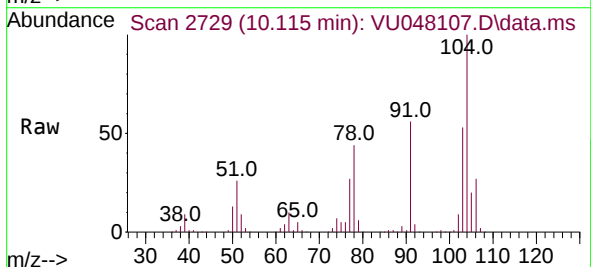
Instrument :
MSVOA_U
ClientSampleId :
VSTD050085

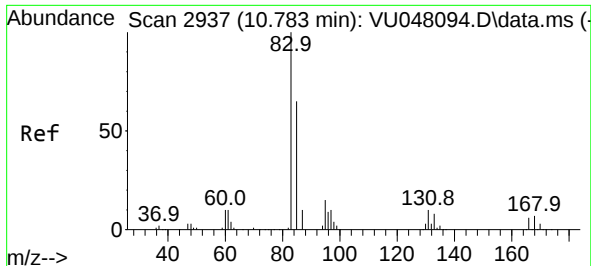
Tgt Ion:106 Resp: 225386
Ion Ratio Lower Upper
106 100
91 211.4 146.7 272.5



#55
Styrene
Concen: 45.411 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

Tgt Ion:104 Resp: 393312
Ion Ratio Lower Upper
104 100
78 43.9 30.4 56.4





#57

1,1,2,2-Tetrachloroethane

Concen: 45.368 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU048107.D

Acq: 15 Apr 2022 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050085

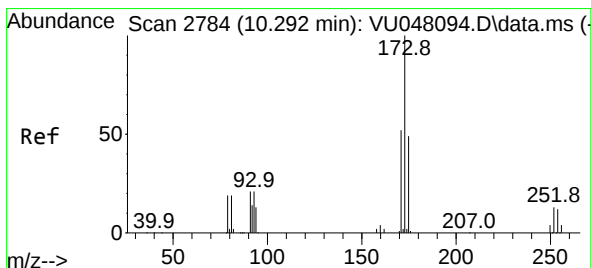
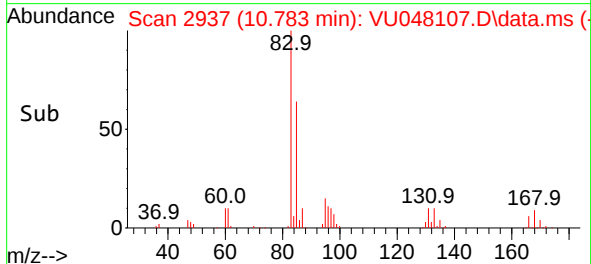
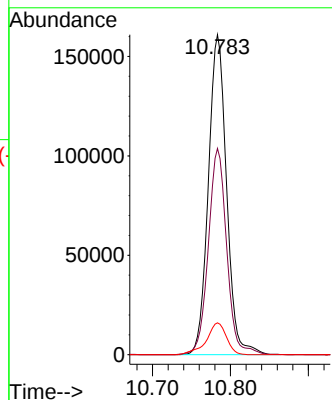
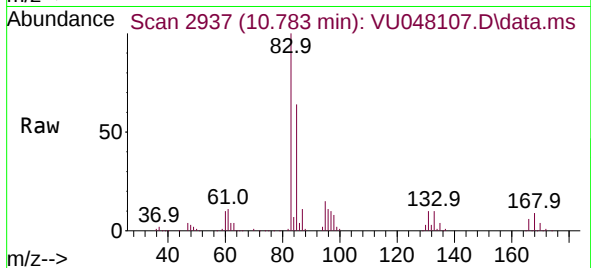
Tgt Ion: 83 Resp: 261828

Ion Ratio Lower Upper

83 100

85 64.5 44.9 83.3

131 9.9 8.6 13.0



#59

Bromoform

Concen: 44.245 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.000 min

Lab File: VU048107.D

Acq: 15 Apr 2022 18:07

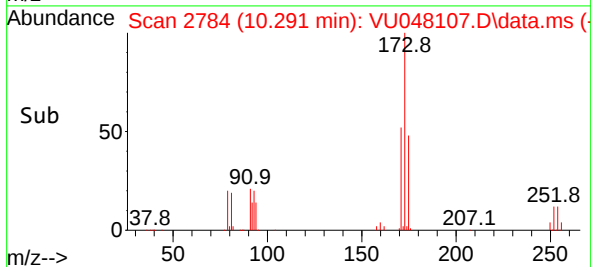
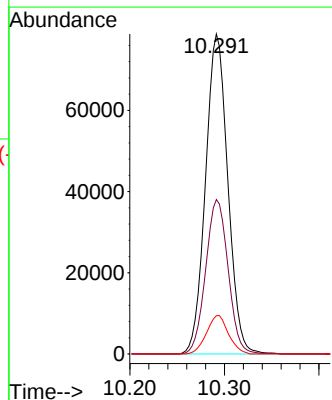
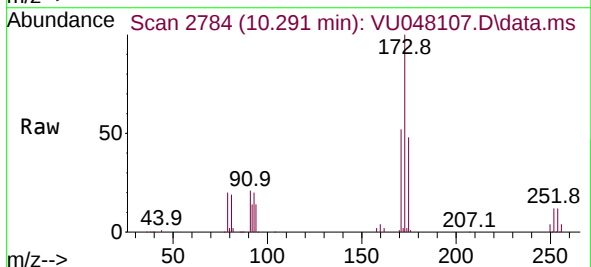
Tgt Ion:173 Resp: 129267

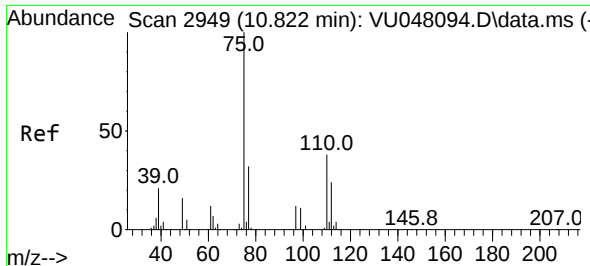
Ion Ratio Lower Upper

173 100

175 48.5 38.7 58.1

254 11.8 9.6 14.4

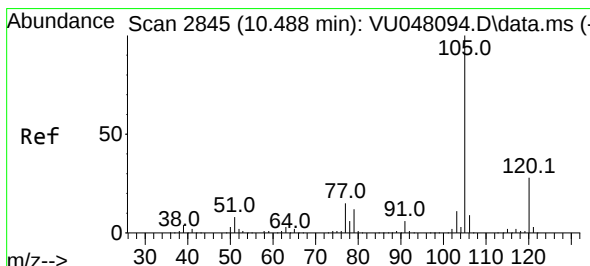
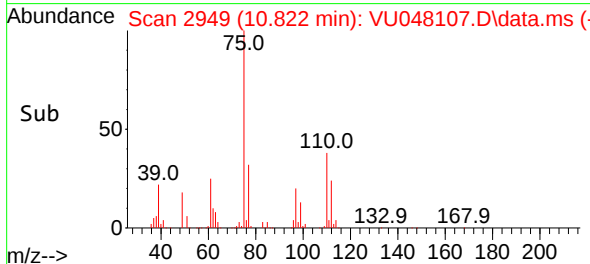
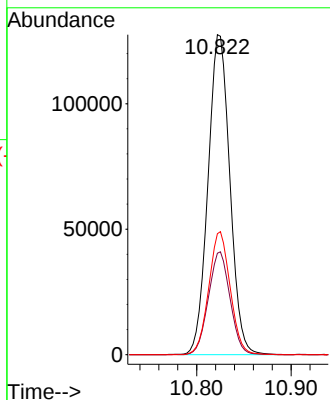
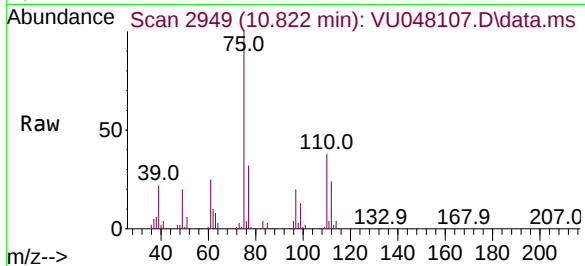




#60
1,2,3-Trichloropropane
Concen: 47.542 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

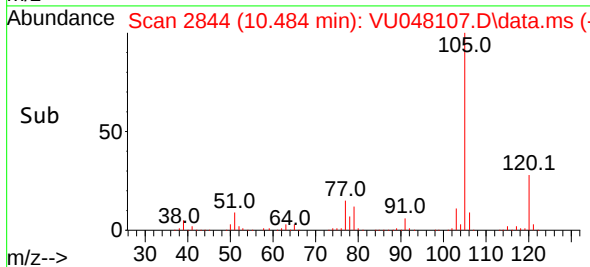
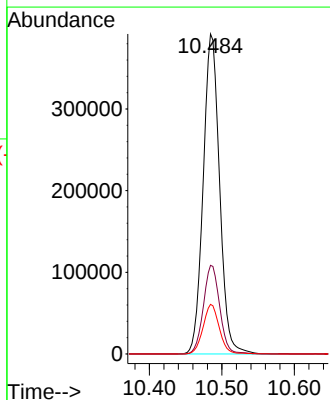
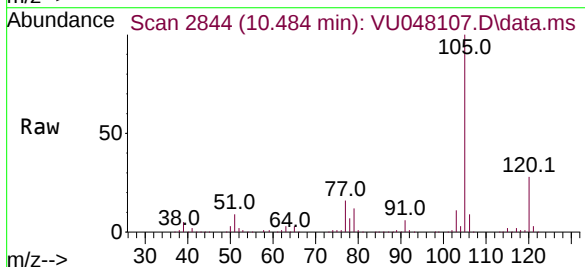
Instrument :
MSVOA_U
ClientSampleId :
VSTD050085

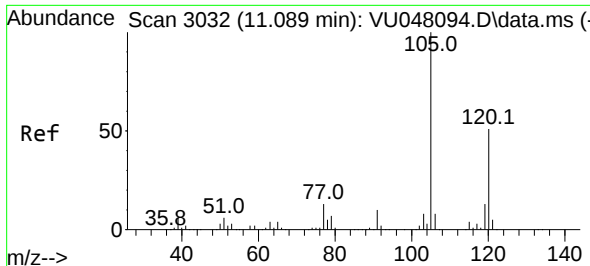
Tgt Ion: 75 Resp: 204773
Ion Ratio Lower Upper
75 100
77 31.9 26.0 39.0
110 37.8 31.4 47.2



#61
Isopropylbenzene
Concen: 49.857 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

Tgt Ion: 105 Resp: 615637
Ion Ratio Lower Upper
105 100
120 27.6 21.9 32.9
77 15.3 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 48.953 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU048107.D

Acq: 15 Apr 2022 18:07

Instrument :

MSVOA_U

ClientSampleId :

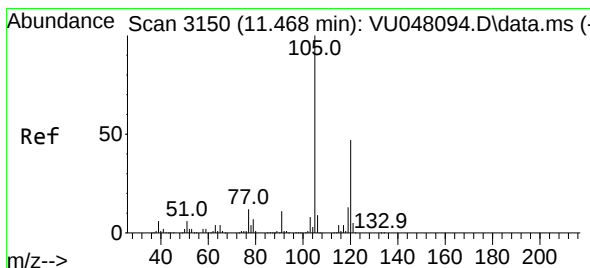
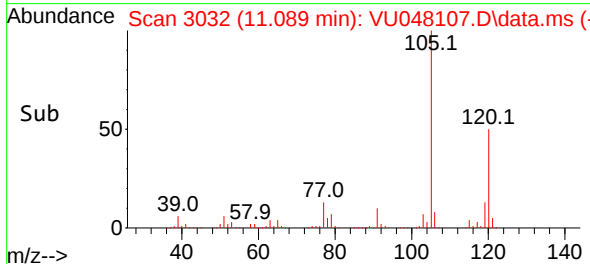
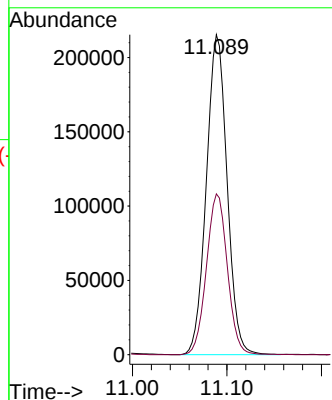
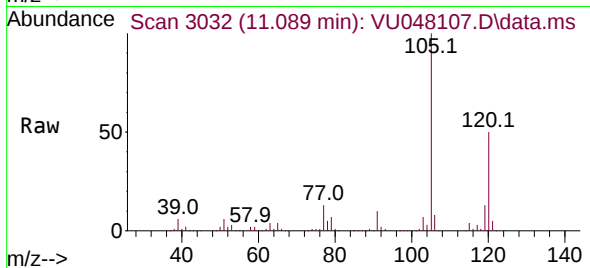
VSTD050085

Tgt Ion:105 Resp: 327972

Ion Ratio Lower Upper

105 100

120 50.7 40.8 61.2



#63

1,2,4-Trimethylbenzene

Concen: 50.587 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU048107.D

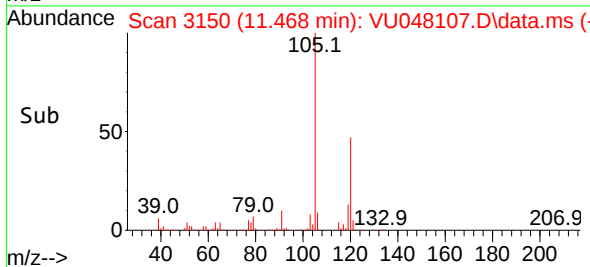
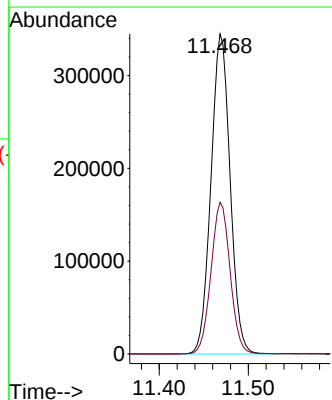
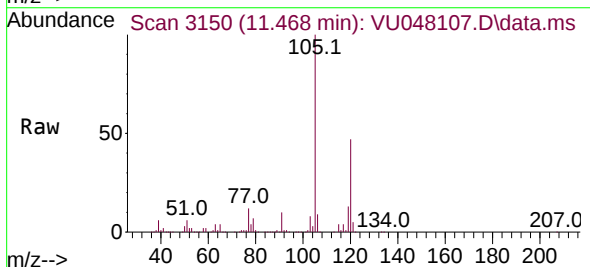
Acq: 15 Apr 2022 18:07

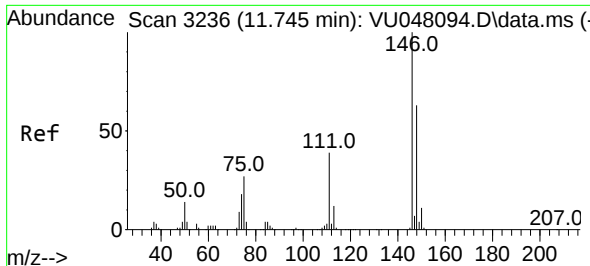
Tgt Ion:105 Resp: 514817

Ion Ratio Lower Upper

105 100

120 47.3 37.6 56.4

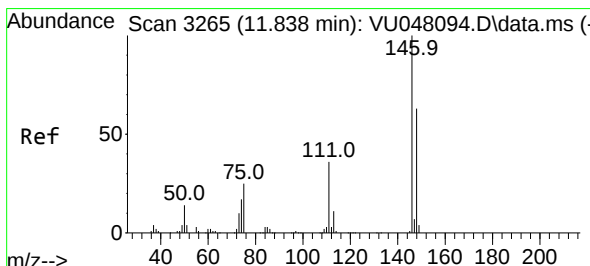
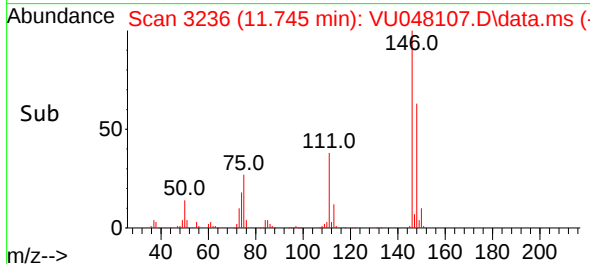
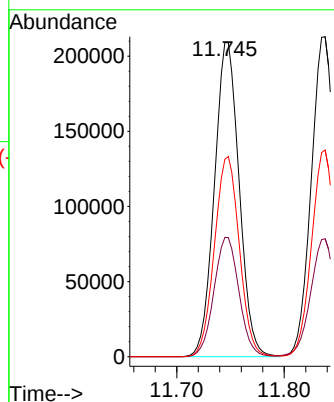
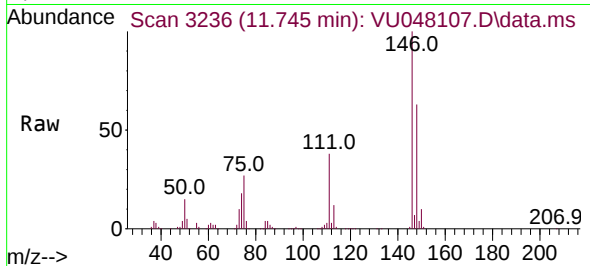




#64
1,3-Dichlorobenzene
Concen: 48.695 ug/L
RT: 11.745 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

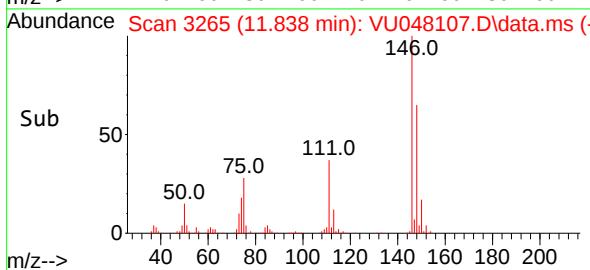
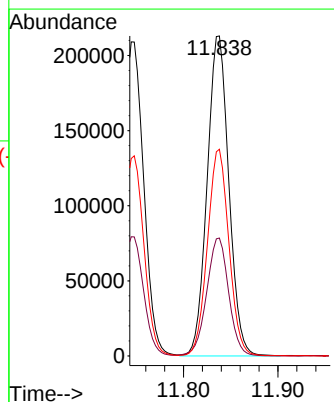
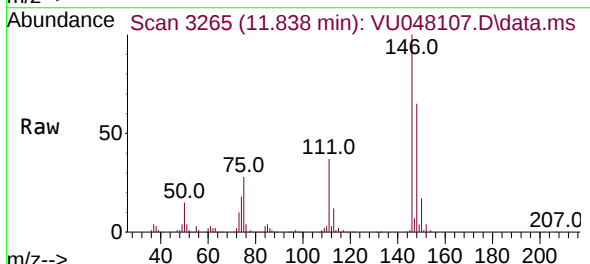
Instrument :
MSVOA_U
ClientSampleId :
VSTD050085

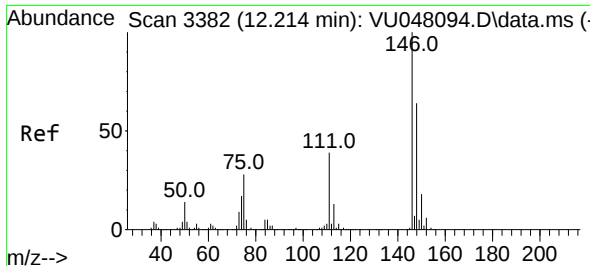
Tgt Ion:146 Resp: 334211
Ion Ratio Lower Upper
146 100
111 38.0 26.7 49.7
148 62.9 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 47.796 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

Tgt Ion:146 Resp: 339783
Ion Ratio Lower Upper
146 100
111 36.9 25.3 47.1
148 64.6 44.5 82.7

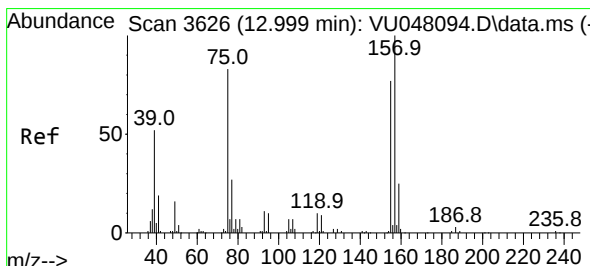
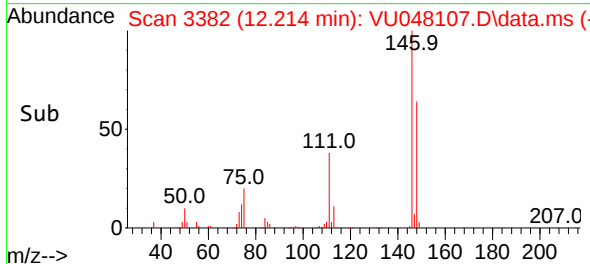
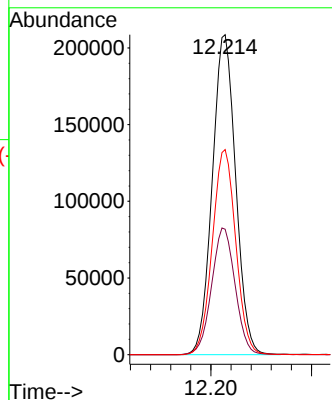
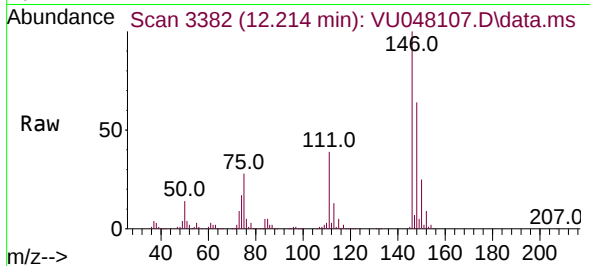




#67
 1,2-Dichlorobenzene
 Concen: 49.099 ug/L
 RT: 12.214 min Scan# 3382
 Delta R.T. -0.000 min
 Lab File: VU048107.D
 Acq: 15 Apr 2022 18:07

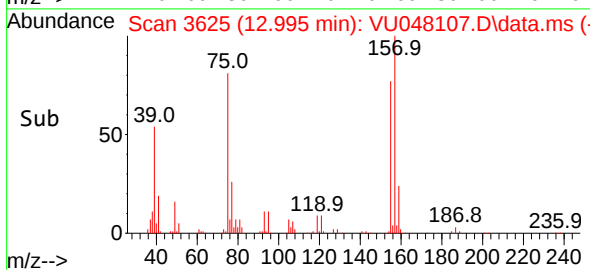
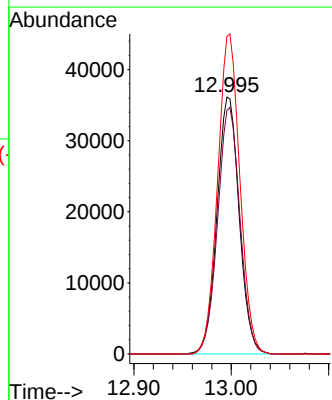
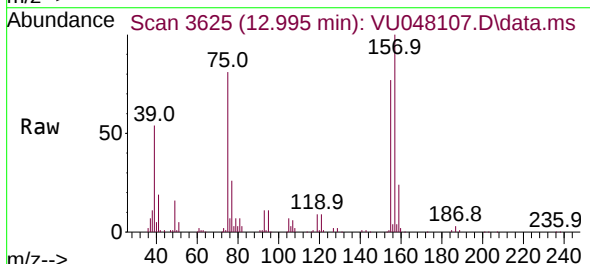
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050085

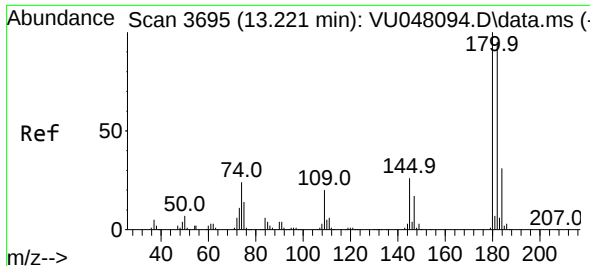
Tgt Ion:146 Resp: 337183
 Ion Ratio Lower Upper
 146 100
 111 39.2 31.7 47.5
 148 64.1 51.4 77.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 41.444 ug/L
 RT: 12.995 min Scan# 3625
 Delta R.T. -0.003 min
 Lab File: VU048107.D
 Acq: 15 Apr 2022 18:07

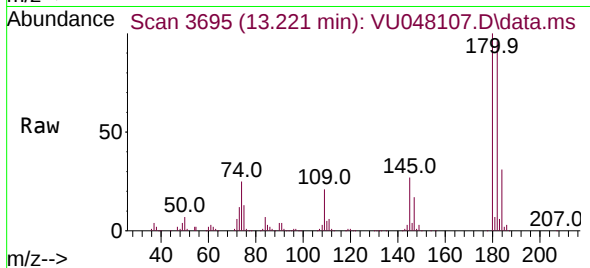
Tgt Ion: 75 Resp: 57180
 Ion Ratio Lower Upper
 75 100
 155 94.8 78.9 118.3
 157 123.5 97.5 146.3



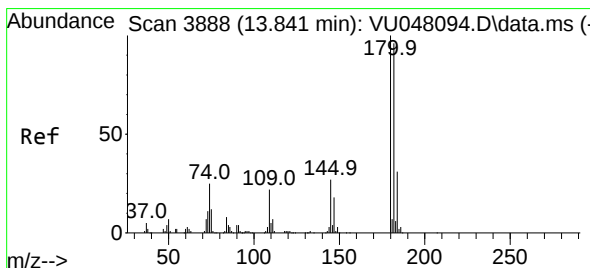
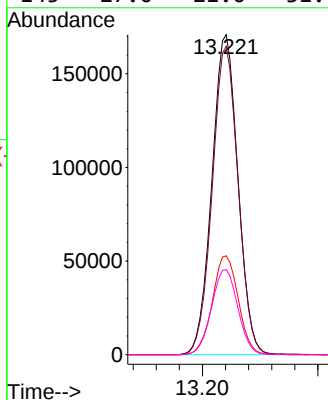
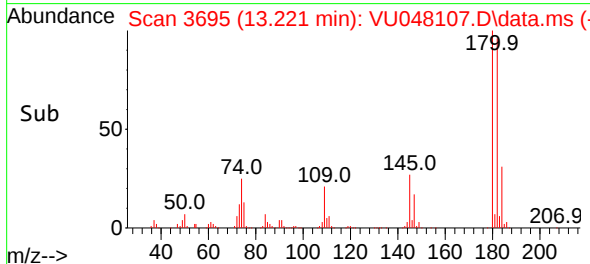


#69
 1,3,5-Trichlorobenzene
 Concen: 47.881 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU048107.D
 Acq: 15 Apr 2022 18:07

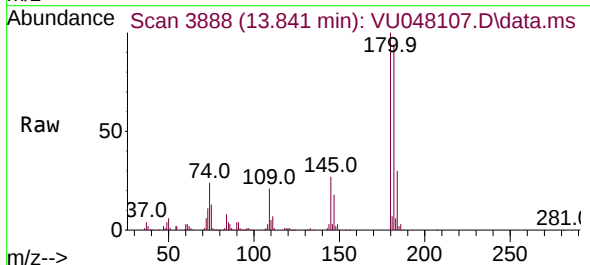
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050085



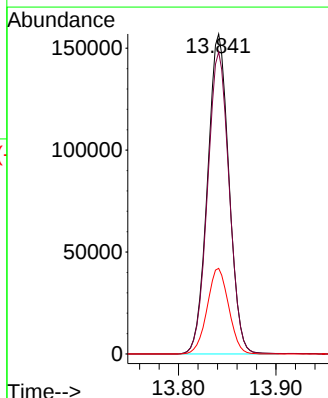
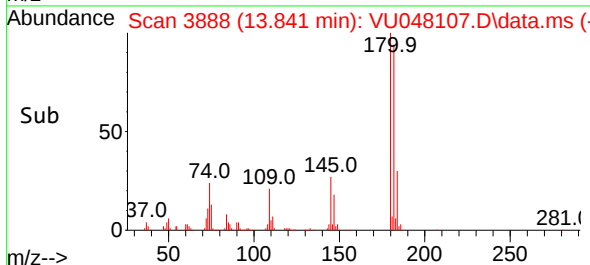
Tgt Ion:180 Resp: 266890
 Ion Ratio Lower Upper
 180 100
 182 95.8 77.0 115.6
 184 30.8 24.5 36.7
 145 27.0 21.0 31.6

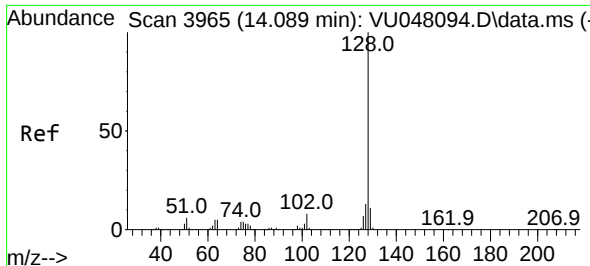


#70
 1,2,4-trichlorobenzene
 Concen: 49.020 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU048107.D
 Acq: 15 Apr 2022 18:07



Tgt Ion:180 Resp: 239331
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.2 114.2
 145 26.9 21.8 32.8

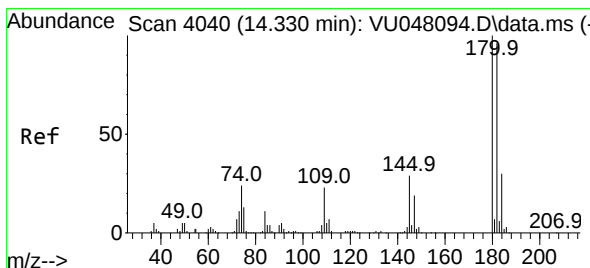
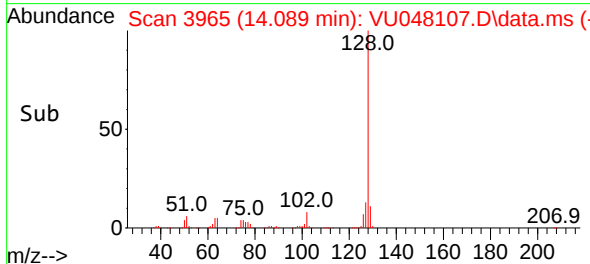
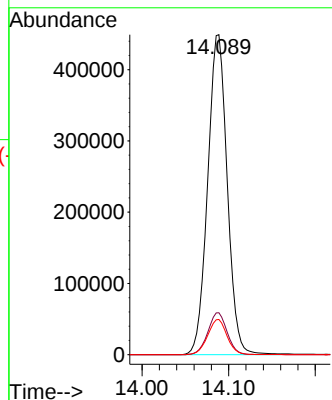
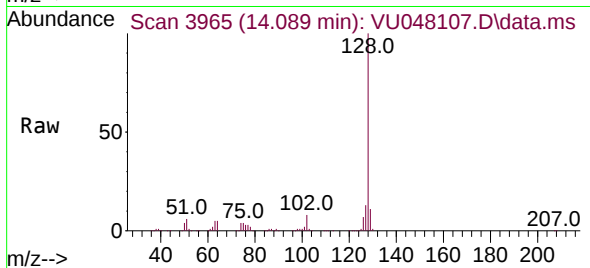




#71
Naphthalene
Concen: 48.427 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD050085

Tgt Ion:128 Resp: 704904
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 10.9 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 51.329 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU048107.D
Acq: 15 Apr 2022 18:07

Tgt Ion:180 Resp: 251224
Ion Ratio Lower Upper
180 100
182 95.6 77.4 116.0
145 29.5 22.8 34.2

