

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032422\
 Data File : VU047633.D
 Acq On : 24 Mar 2022 13:04
 Operator : SY/MD
 Sample : VSTD01050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010050

Quant Time: Mar 24 23:08:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 24 23:06:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	287046	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	306118	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	174868	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	21898	9.411	ug/L	0.00
7) Chloroethane-d5	1.919	69	17165	9.540	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.575	63	38214	9.277	ug/L	0.00
21) 2-Butanone-d5	4.649	46	32503	17.295	ug/L	0.00
24) Chloroform-d	5.067	84	38312	9.766	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.707	65	23352	8.981	ug/L	0.00
32) Benzene-d6	5.732	84	74026	8.589	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.694	67	22338	8.393	ug/L	0.00
41) Toluene-d8	7.899	98	69424	8.751	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.182	79	11163	8.632	ug/L	0.00
47) 2-Hexanone-d5	8.639	63	21988	16.793	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.758	84	37504	9.087	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	29476	8.859	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	30426	10.372	ug/L	98
3) Chloromethane	1.524	50	29711	11.124	ug/L	99
5) Vinyl chloride	1.607	62	29815	11.074	ug/L	97
6) Bromomethane	1.861	94	14488	9.630	ug/L	99
8) Chloroethane	1.938	64	17943	11.408	ug/L	98
9) Trichlorofluoromethane	2.144	101	41018	11.533	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	23398	11.596	ug/L	96
12) 1,1-Dichloroethene	2.585	96	21591	11.310	ug/L	88
13) Acetone	2.659	43	39749	18.641	ug/L	92
14) Carbon disulfide	2.797	76	67548	11.405	ug/L	100
15) Methyl Acetate	2.964	43	28673	10.835	ug/L	97
16) Methylene chloride	3.051	84	25012	10.984	ug/L	98
17) trans-1,2-Dichloroethene	3.359	96	23203	11.505	ug/L	97
18) Methyl tert-butyl Ether	3.369	73	61108	9.975	ug/L	99
19) 1,1-Dichloroethane	3.877	63	40159	10.967	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	25147	11.485	ug/L	97
23) Bromochloromethane	4.983	128	14038	12.378	ug/L	98
25) Chloroform	5.096	83	43223	10.666	ug/L	100
27) 1,2-Dichloroethane	5.800	62	33268	11.056	ug/L	99
29) Cyclohexane	5.388	56	30643	9.202	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	37497	10.451	ug/L	99
31) Carbon tetrachloride	5.530	117	34490	11.226	ug/L	99
33) Benzene	5.777	78	93255	10.483	ug/L	100
34) Trichloroethene	6.546	95	24186	10.365	ug/L	97
35) Methylcyclohexane	6.768	83	34001	9.563	ug/L	97
37) 1,2-Dichloropropane	6.793	63	23808	10.269	ug/L	99
38) Bromodichloromethane	7.108	83	32377	10.436	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	33915	9.655	ug/L	98
40) 4-Methyl-2-pentanone	7.797	43	66880	19.605	ug/L	98
42) Toluene	7.970	91	98449	10.289	ug/L	98
44) trans-1,3-Dichloropropene	8.215	75	34059	9.894	ug/L	97
45) 1,1,2-Trichloroethane	8.401	97	25233	10.714	ug/L	96

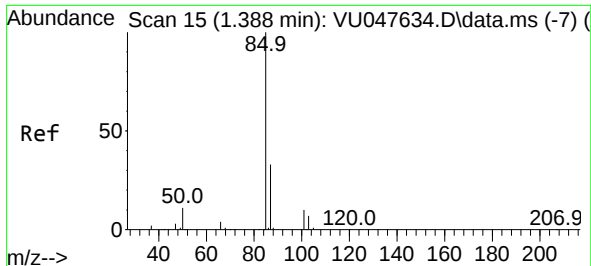
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032422\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Tetrachloroethene	8.555	164	22781	12.818	ug/L	98
48) 2-Hexanone	8.690	43	56481	18.709	ug/L	99
49) Dibromochloromethane	8.813	129	28188	11.292	ug/L	99
50) 1,2-Dibromoethane	8.925	107	28026	10.993	ug/L	99
51) Chlorobenzene	9.449	112	70370	11.317	ug/L	98
52) Ethylbenzene	9.571	91	101811	10.062	ug/L	97
53) m,p-Xylene	9.697	106	37915	9.561	ug/L	97
54) o-Xylene	10.102	106	37639	9.733	ug/L	96
55) Styrene	10.115	104	61744	9.393	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.784	83	44500	10.843	ug/L	99
59) Bromoform	10.292	173	23957	11.881	ug/L	97
60) 1,2,3-Trichloropropane	10.825	75	35711	9.819	ug/L	99
61) Isopropylbenzene	10.485	105	95643	9.056	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	49332	5.961	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	72135	8.252	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	56103	10.862	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	58647	10.974	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	55435	10.626	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.999	75	10977	11.015	ug/L	96
69) 1,3,5-Trichlorobenzene	13.221	180	43966	11.517	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	36497	10.784	ug/L	99
71) Naphthalene	14.089	128	97679	8.630	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	37421	10.917	ug/L	97

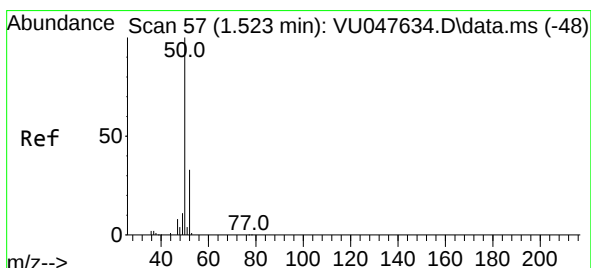
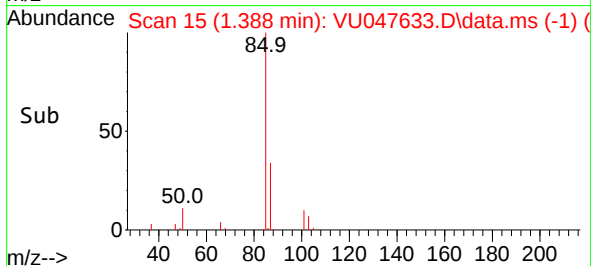
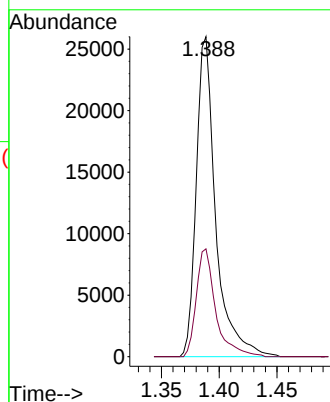
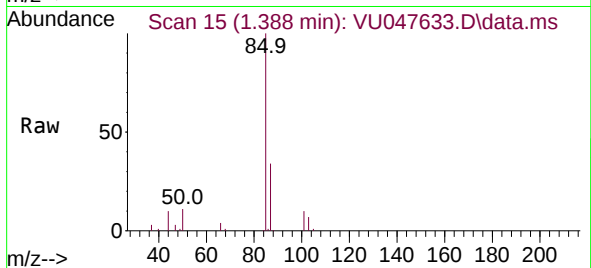
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 10.372 ug/L
RT: 1.388 min Scan# 15
Delta R.T. 0.000 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

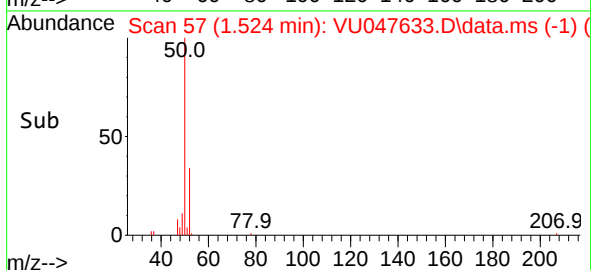
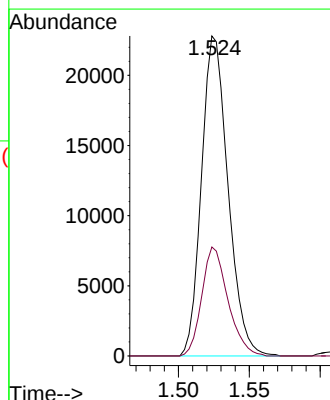
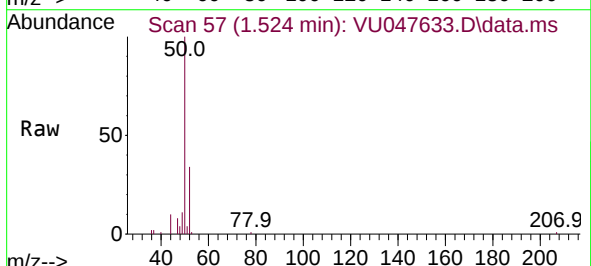
Instrument :
MSVOA_U
ClientSampleId :
VSTD010050

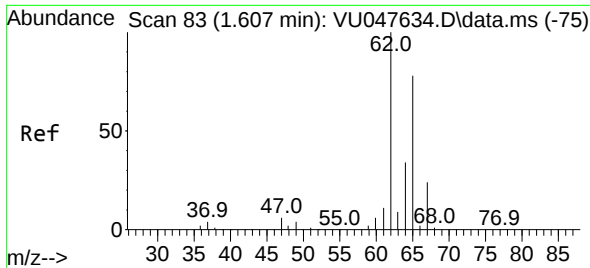
Tgt Ion: 85 Resp: 30426
Ion Ratio Lower Upper
85 100
87 33.6 25.8 38.8



#3
Chloromethane
Concen: 11.124 ug/L
RT: 1.524 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

Tgt Ion: 50 Resp: 29711
Ion Ratio Lower Upper
50 100
52 34.0 23.2 43.2

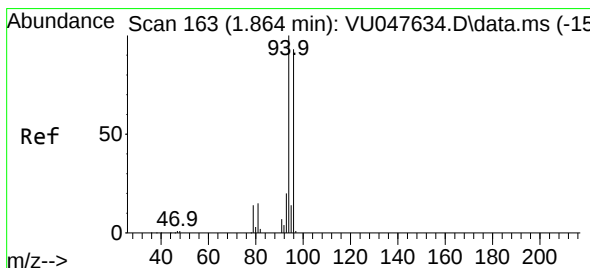
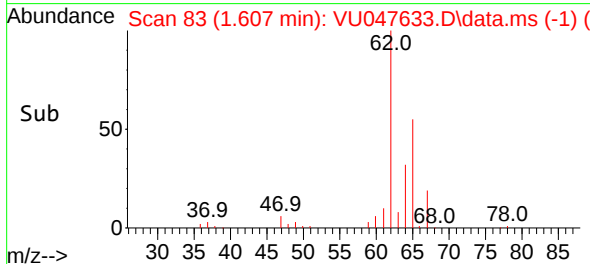
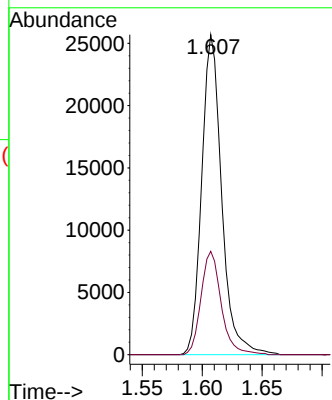
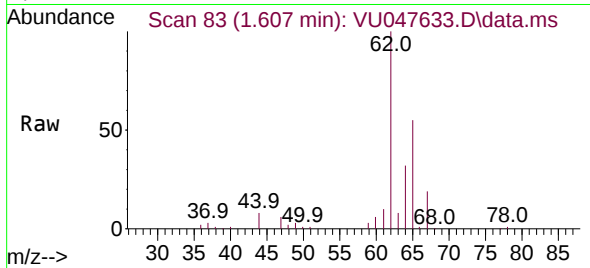




#5
 Vinyl chloride
 Concen: 11.074 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU047633.D
 Acq: 24 Mar 2022 13:04

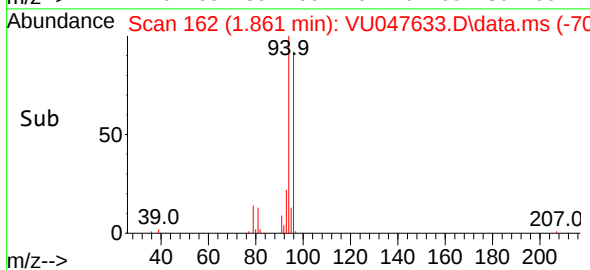
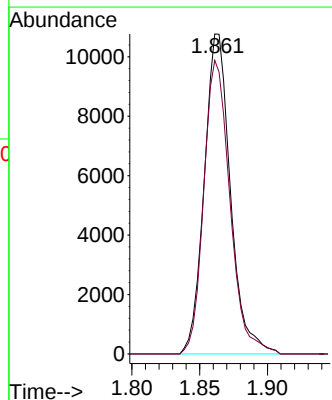
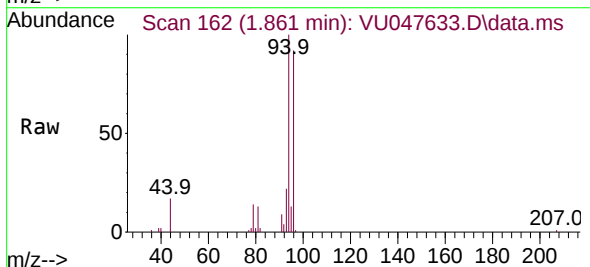
Instrument :
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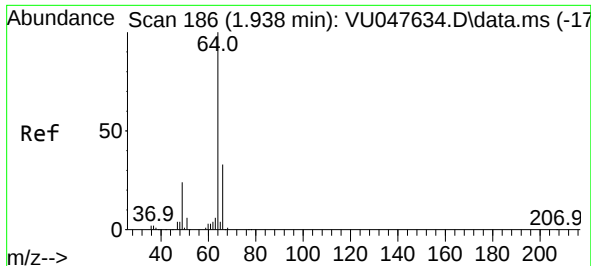
Tgt Ion: 62 Resp: 29815
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.7 43.9



#6
 Bromomethane
 Concen: 9.630 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. -0.003 min
 Lab File: VU047633.D
 Acq: 24 Mar 2022 13:04

Tgt Ion: 94 Resp: 14488
 Ion Ratio Lower Upper
 94 100
 96 91.8 64.8 120.3

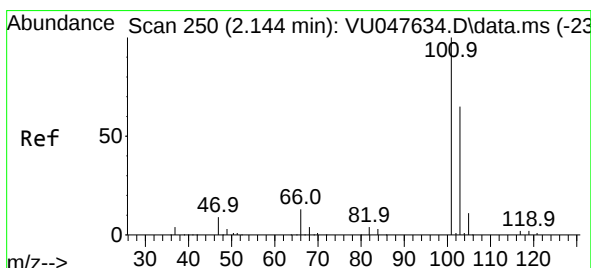
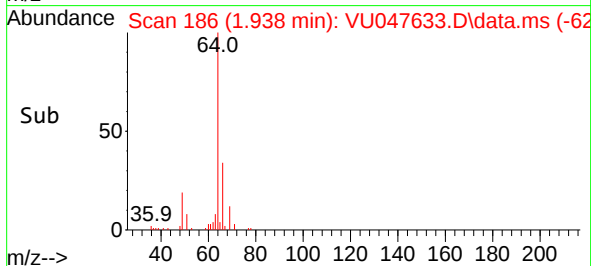
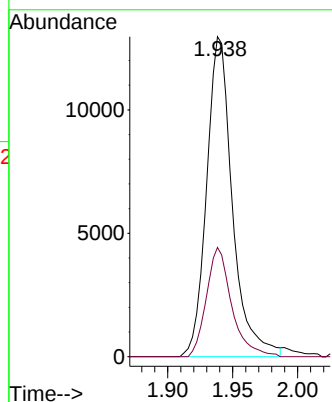
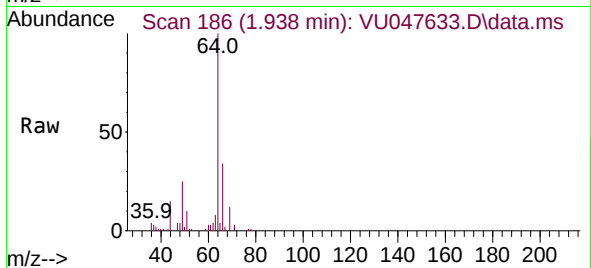




#8
Chloroethane
Concen: 11.408 ug/L
RT: 1.938 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

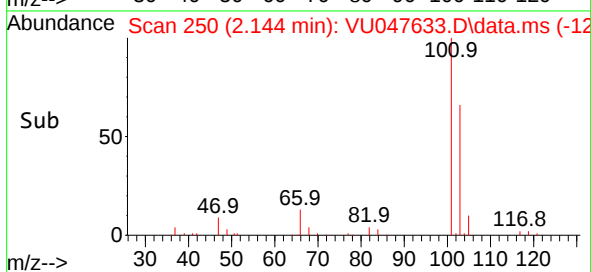
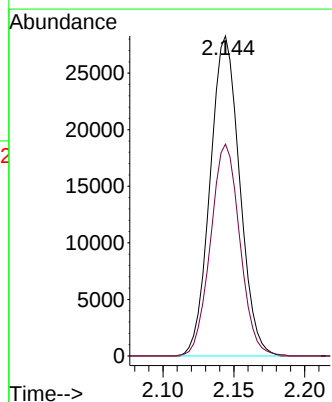
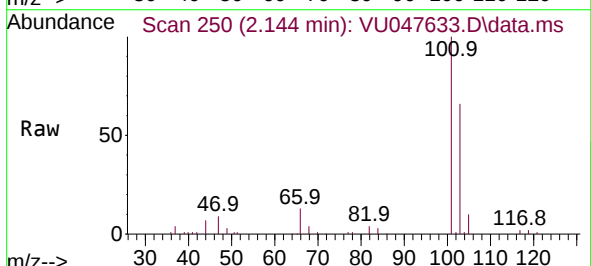
Instrument :
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ClientSampleId :
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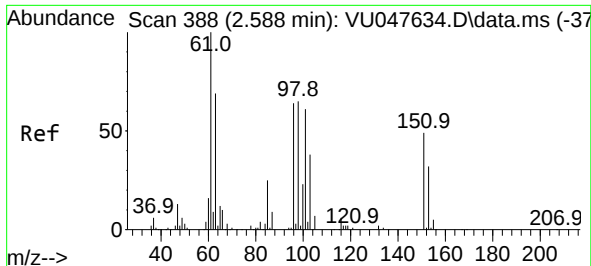
Tgt Ion: 64 Resp: 17943
Ion Ratio Lower Upper
64 100
66 34.2 23.3 43.3



#9
Trichlorofluoromethane
Concen: 11.533 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

Tgt Ion: 101 Resp: 41018
Ion Ratio Lower Upper
101 100
103 65.8 51.4 77.2





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 11.596 ug/L

RT: 2.588 min Scan# 388

Delta R.T. 0.000 min

Lab File: VU047633.D

Acq: 24 Mar 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD010050

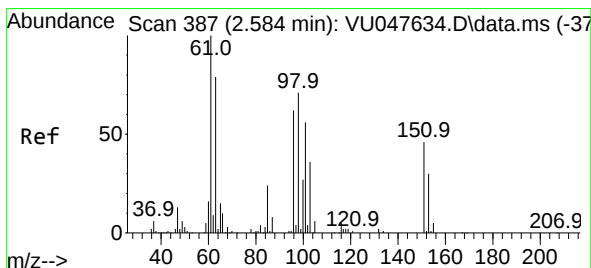
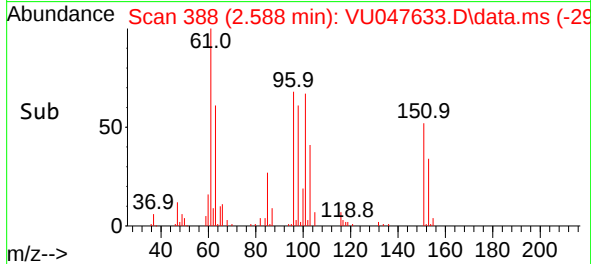
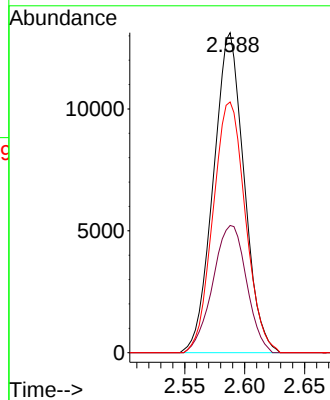
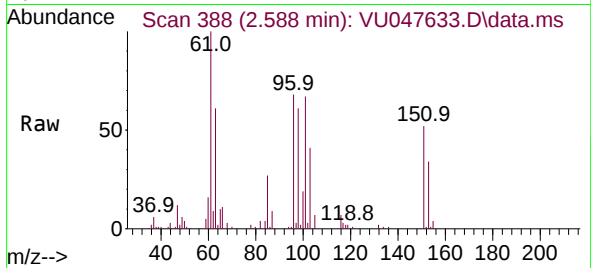
Tgt Ion:101 Resp: 23398

Ion Ratio Lower Upper

101 100

85 43.6 32.8 49.2

151 82.6 63.0 94.6



#12

1,1-Dichloroethene

Concen: 11.310 ug/L

RT: 2.585 min Scan# 387

Delta R.T. 0.000 min

Lab File: VU047633.D

Acq: 24 Mar 2022 13:04

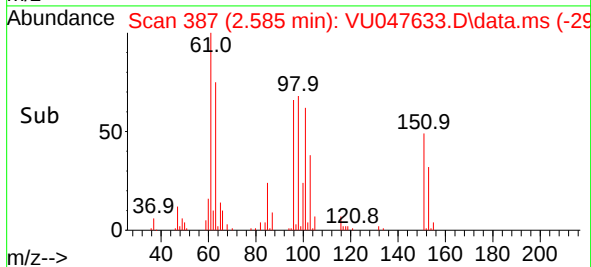
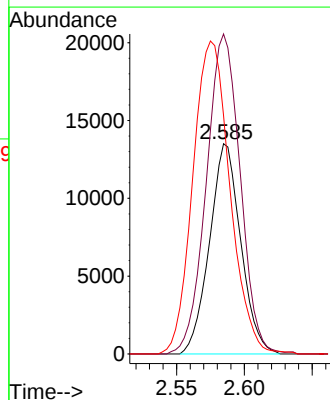
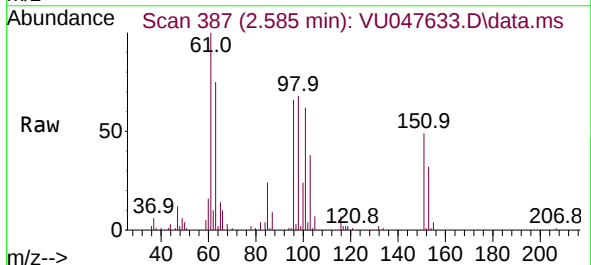
Tgt Ion: 96 Resp: 21591

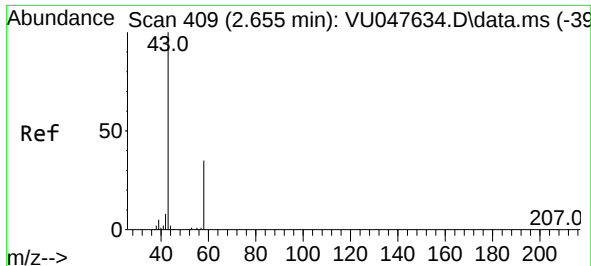
Ion Ratio Lower Upper

96 100

61 152.2 113.1 210.1

63 113.4 94.8 176.0





#13

Acetone

Concen: 18.641 ug/L

RT: 2.659 min Scan# 410

Delta R.T. 0.003 min

Lab File: VU047633.D

Acq: 24 Mar 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

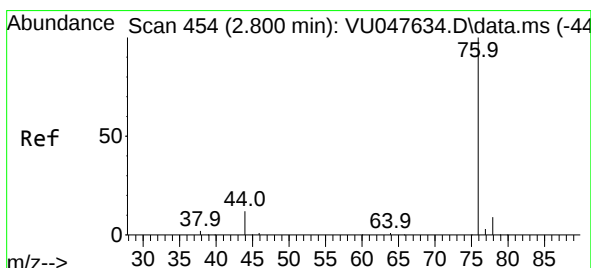
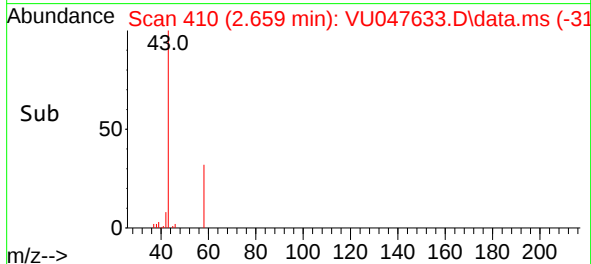
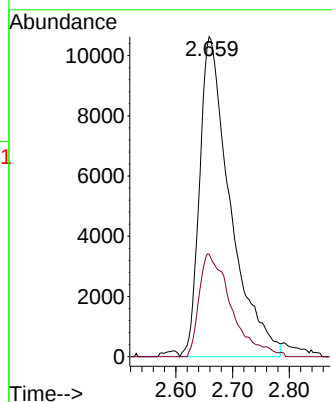
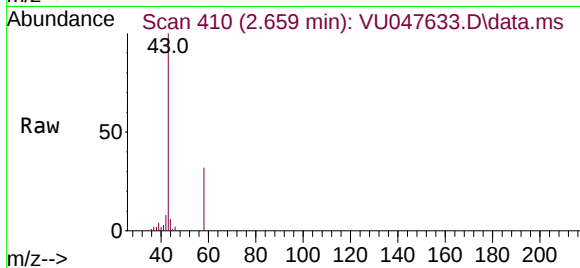
VSTD010050

Tgt Ion: 43 Resp: 39749

Ion Ratio Lower Upper

43 100

58 30.5 0.0 70.0



#14

Carbon disulfide

Concen: 11.405 ug/L

RT: 2.797 min Scan# 453

Delta R.T. -0.003 min

Lab File: VU047633.D

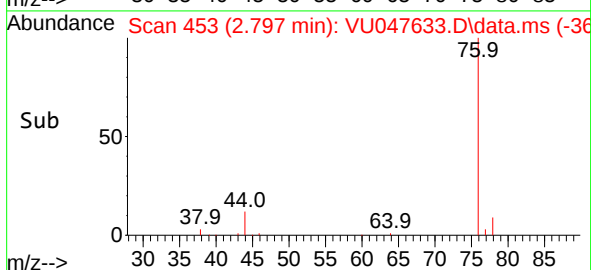
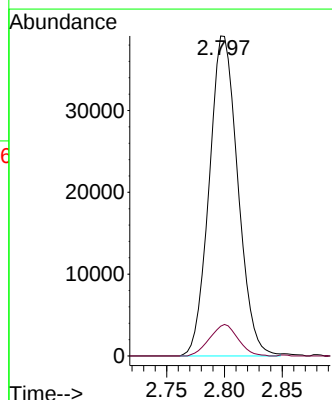
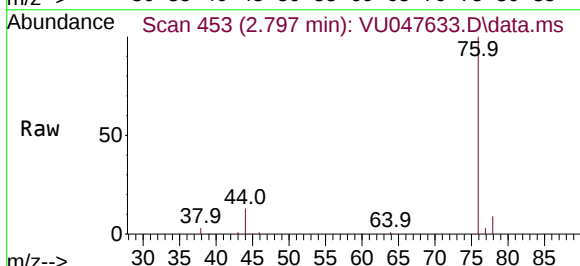
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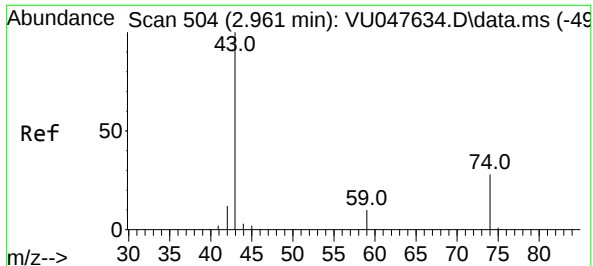
Tgt Ion: 76 Resp: 67548

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

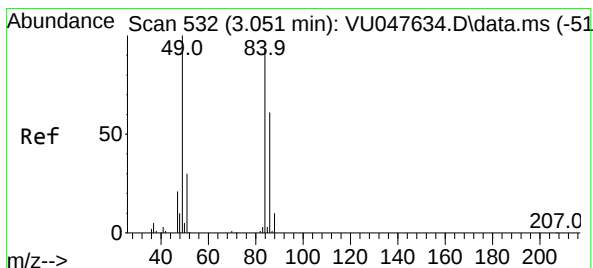
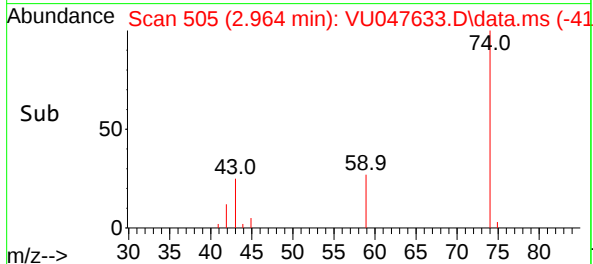
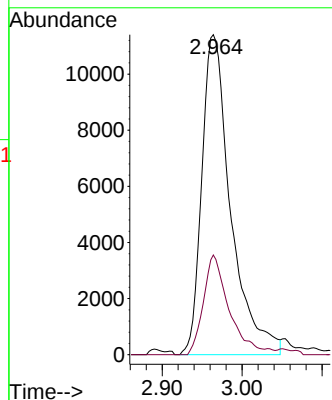
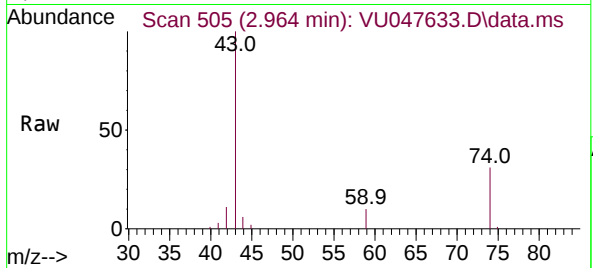




#15
Methyl Acetate
Concen: 10.835 ug/L
RT: 2.964 min Scan# 504
Delta R.T. 0.003 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

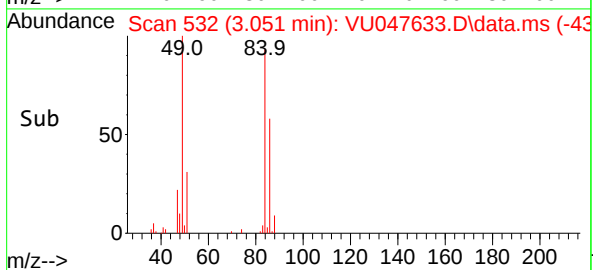
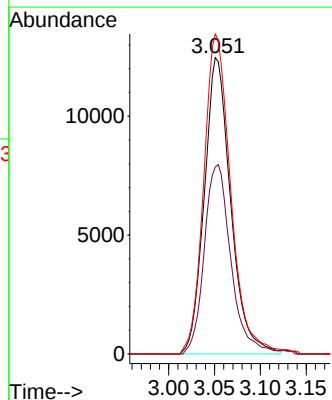
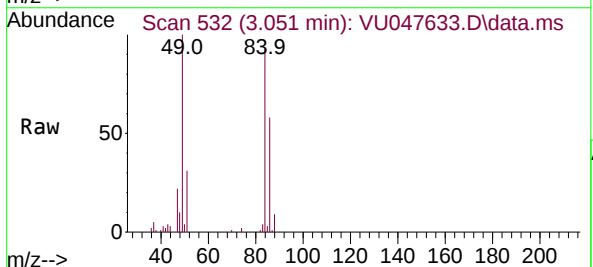
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ClientSampleId :
VSTD010050

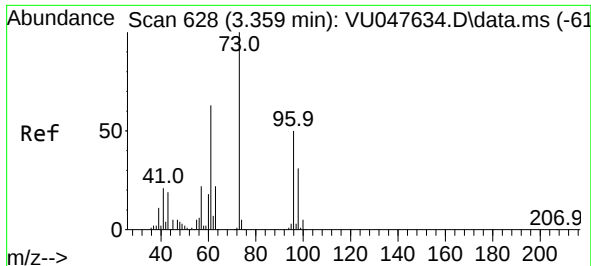
Tgt Ion: 43 Resp: 28673
Ion Ratio Lower Upper
43 100
74 25.9 22.2 33.2



#16
Methylene chloride
Concen: 10.984 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

Tgt Ion: 84 Resp: 25012
Ion Ratio Lower Upper
84 100
86 63.0 46.0 85.4
49 108.0 75.3 139.8





#17

trans-1,2-Dichloroethene

Concen: 11.505 ug/L

RT: 3.359 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU047633.D

Acq: 24 Mar 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD010050

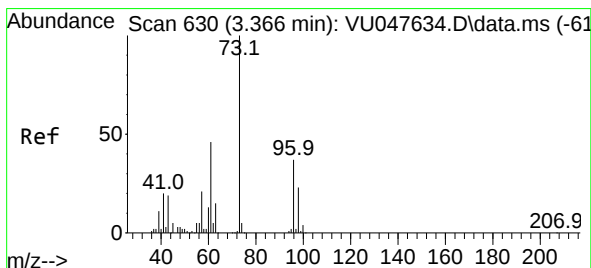
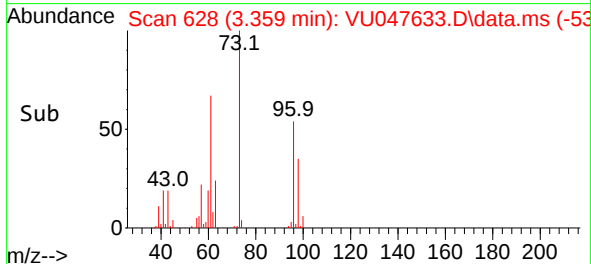
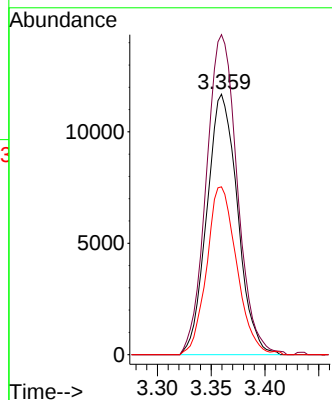
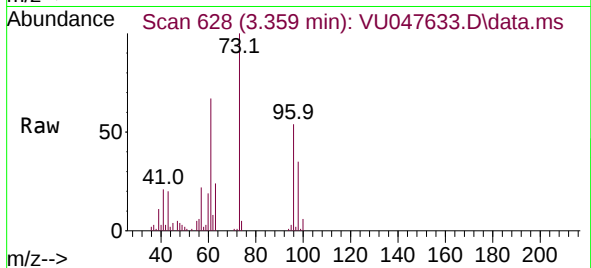
Tgt Ion: 96 Resp: 23203

Ion Ratio Lower Upper

96 100

61 122.8 88.4 164.2

98 64.4 43.3 80.5



#18

Methyl tert-butyl Ether

Concen: 9.975 ug/L

RT: 3.369 min Scan# 631

Delta R.T. 0.003 min

Lab File: VU047633.D

Acq: 24 Mar 2022 13:04

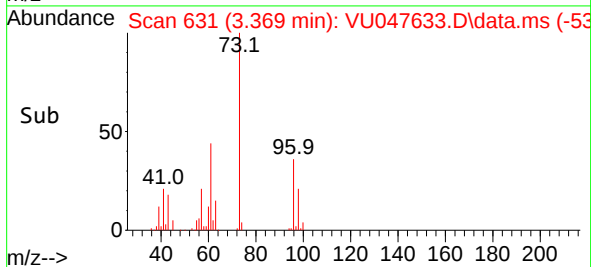
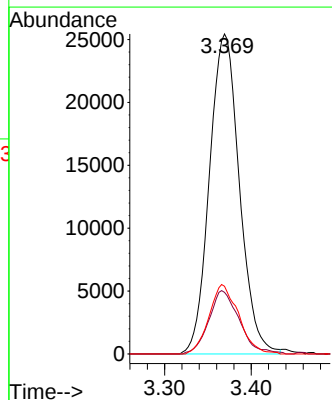
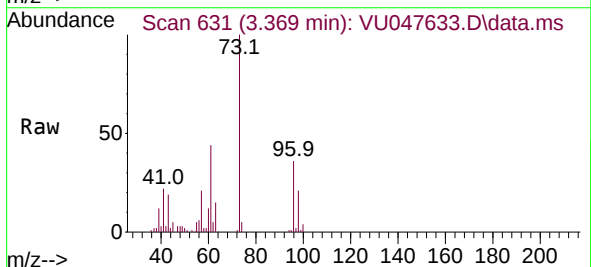
Tgt Ion: 73 Resp: 61108

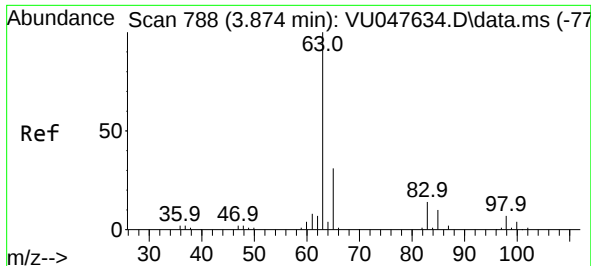
Ion Ratio Lower Upper

73 100

43 20.1 15.3 22.9

57 21.5 17.0 25.6





#19

1,1-Dichloroethane

Concen: 10.967 ug/L

RT: 3.877 min Scan# 788

Delta R.T. 0.003 min

Lab File: VU047633.D

Acq: 24 Mar 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD010050

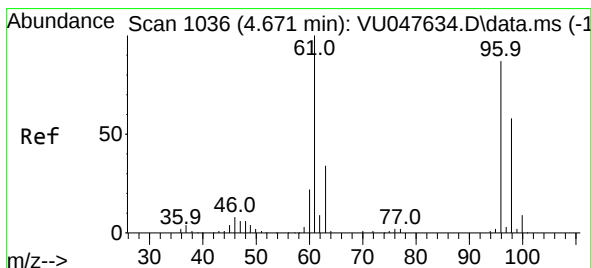
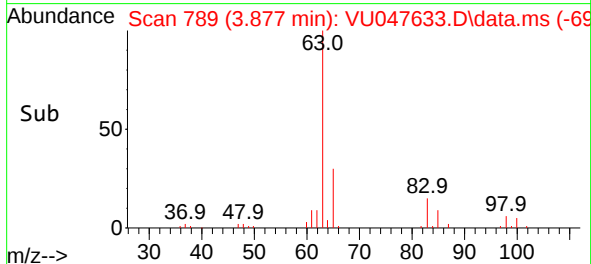
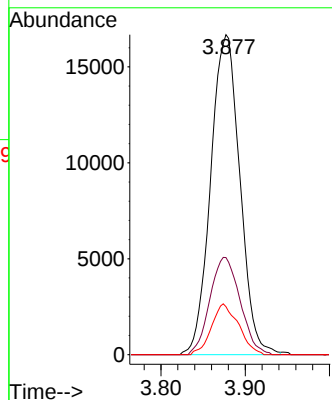
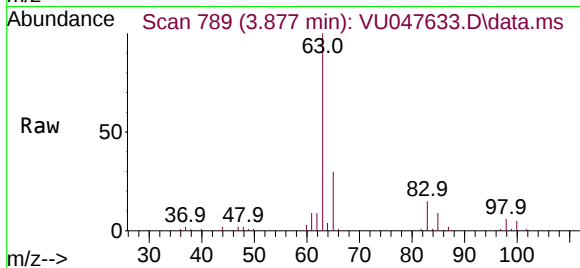
Tgt Ion: 63 Resp: 40159

Ion Ratio Lower Upper

63 100

65 30.3 22.0 41.0

83 15.0 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 11.485 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU047633.D

Acq: 24 Mar 2022 13:04

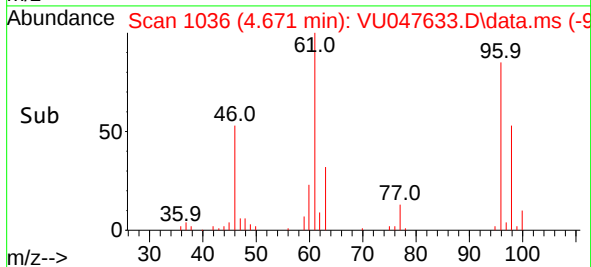
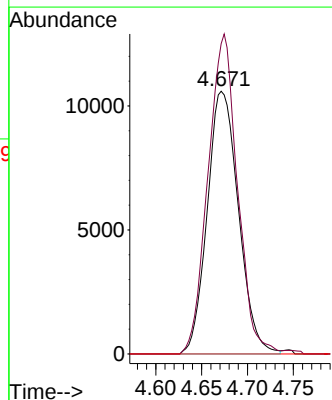
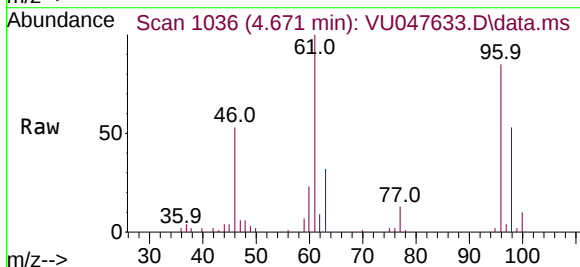
Tgt Ion: 96 Resp: 25147

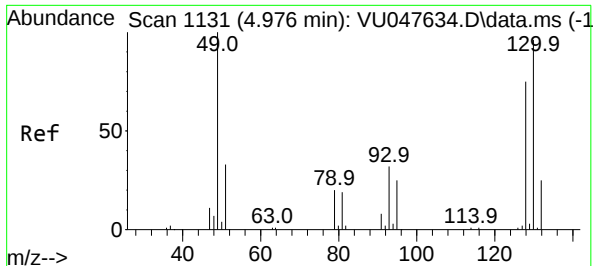
Ion Ratio Lower Upper

96 100

61 118.0 80.7 149.9

68 0.0 0.0 0.0





#23

Bromochloromethane

Concen: 12.378 ug/L

RT: 4.983 min Scan# 1133

Delta R.T. 0.007 min

Lab File: VU047633.D

Acq: 24 Mar 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD010050

Tgt Ion:128 Resp: 14038

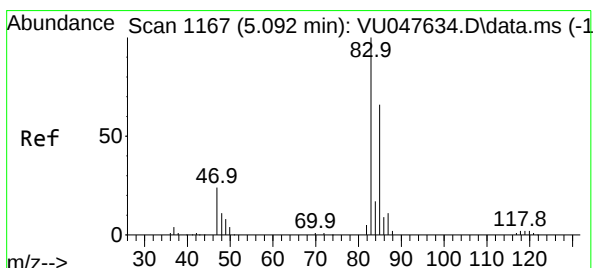
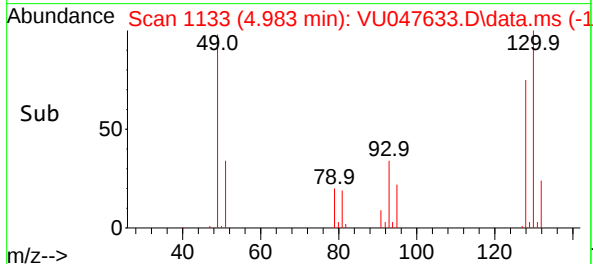
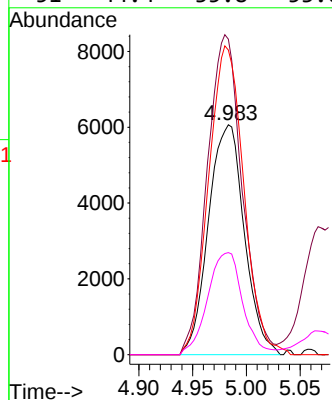
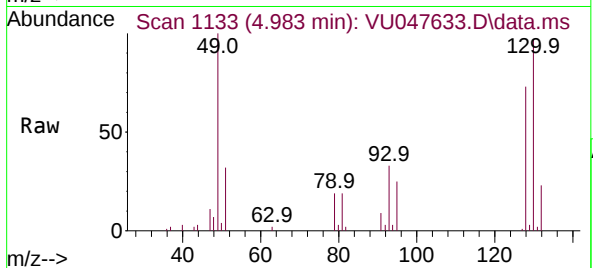
Ion Ratio Lower Upper

128 100

49 137.3 94.1 174.8

130 132.5 90.2 167.4

51 44.4 35.8 53.6



#25

Chloroform

Concen: 10.666 ug/L

RT: 5.096 min Scan# 1168

Delta R.T. 0.003 min

Lab File: VU047633.D

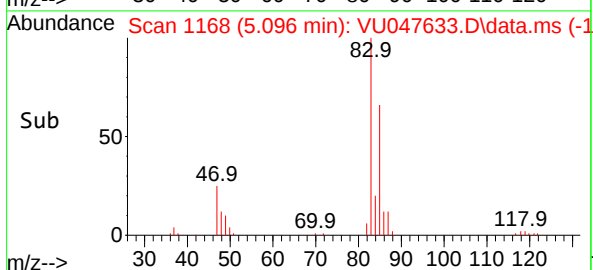
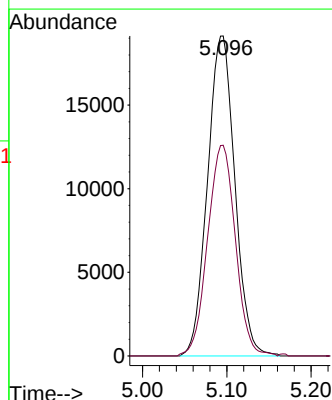
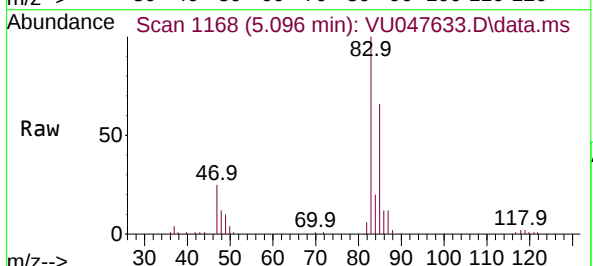
Acq: 24 Mar 2022 13:04

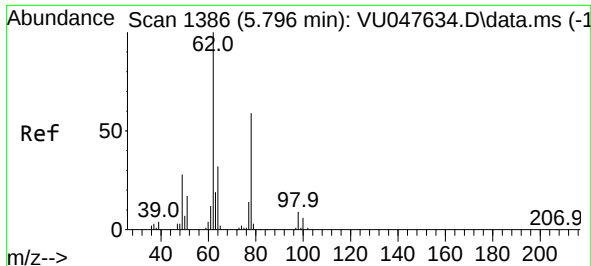
Tgt Ion: 83 Resp: 43223

Ion Ratio Lower Upper

83 100

85 65.8 46.2 85.8





#27

1,2-Dichloroethane

Concen: 11.056 ug/L

RT: 5.800 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU047633.D

Acq: 24 Mar 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

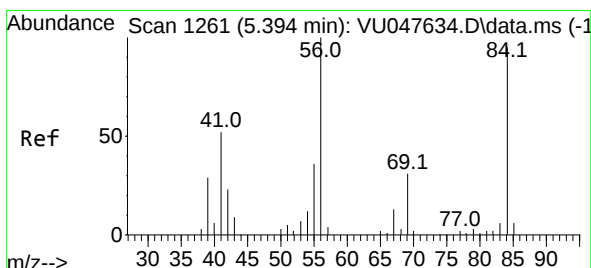
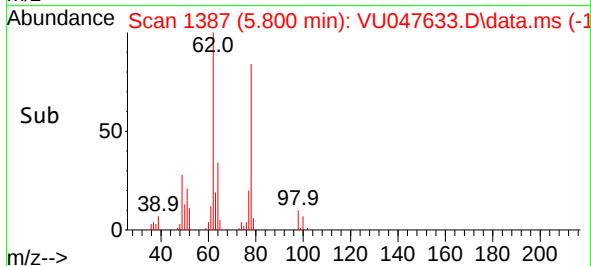
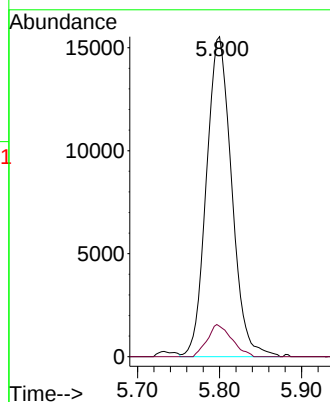
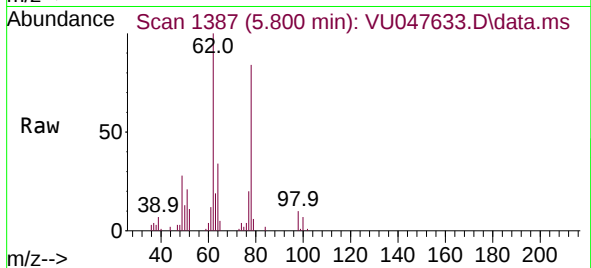
VSTD010050

Tgt Ion: 62 Resp: 33268

Ion Ratio Lower Upper

62 100

98 9.5 7.4 11.0



#29

Cyclohexane

Concen: 9.202 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.006 min

Lab File: VU047633.D

Acq: 24 Mar 2022 13:04

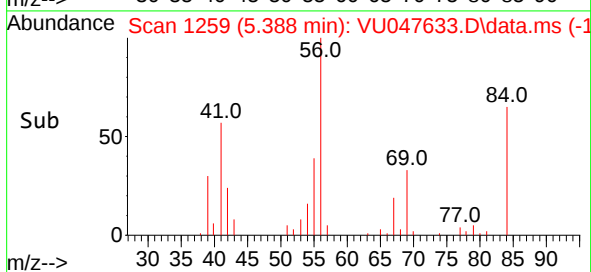
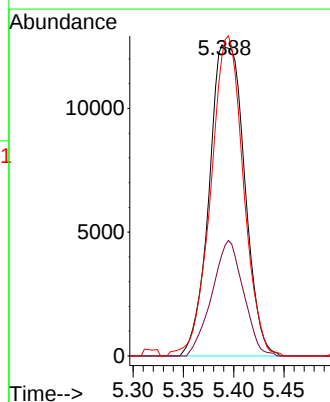
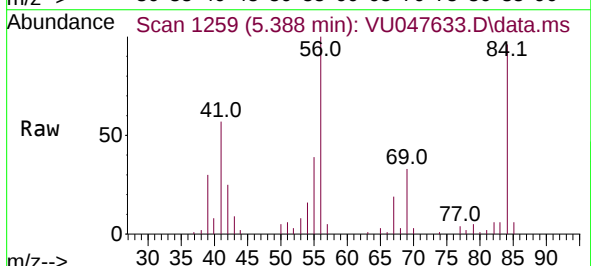
Tgt Ion: 56 Resp: 30643

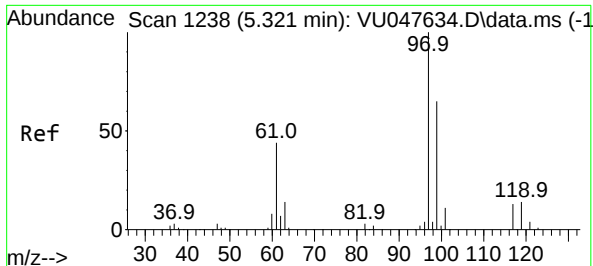
Ion Ratio Lower Upper

56 100

69 33.1 25.4 38.2

84 95.0 77.0 115.6





#30

1,1,1-Trichloroethane

Concen: 10.451 ug/L

RT: 5.321 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU047633.D

Acq: 24 Mar 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD010050

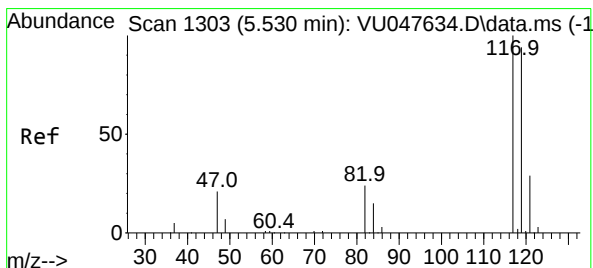
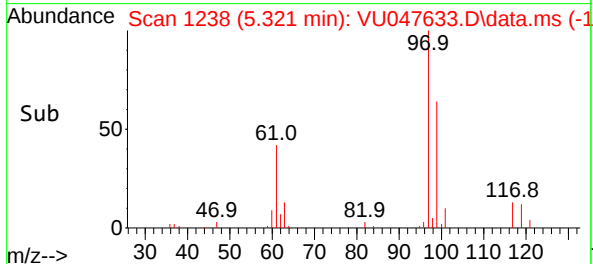
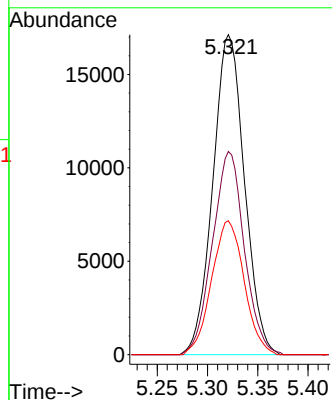
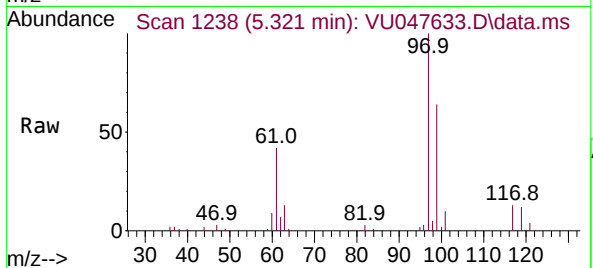
Tgt Ion: 97 Resp: 37497

Ion Ratio Lower Upper

97 100

99 64.0 51.6 77.4

61 43.1 34.2 51.4



#31

Carbon tetrachloride

Concen: 11.226 ug/L

RT: 5.530 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VU047633.D

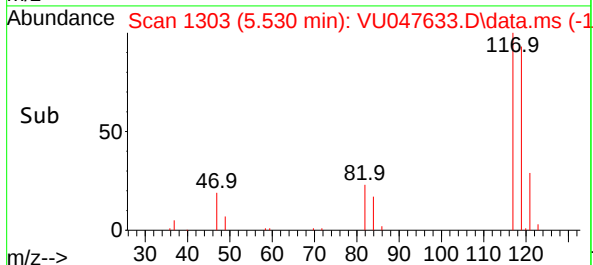
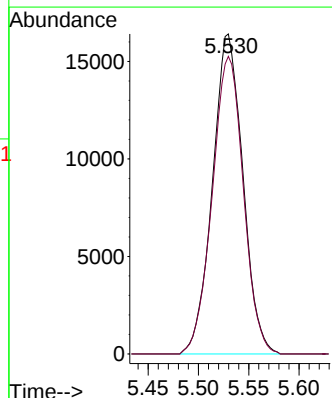
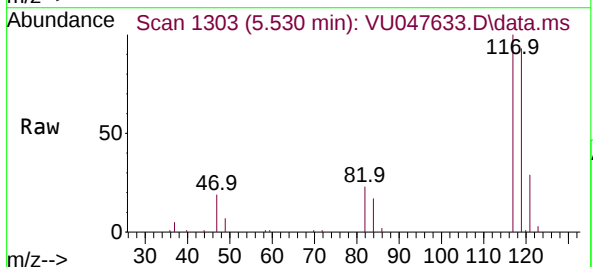
Acq: 24 Mar 2022 13:04

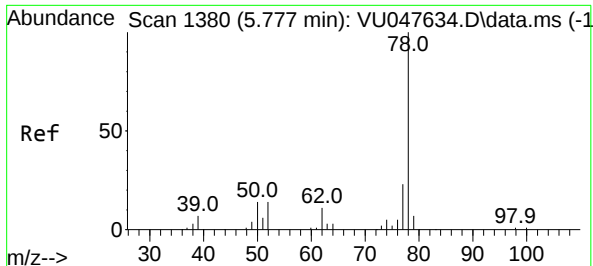
Tgt Ion: 117 Resp: 34490

Ion Ratio Lower Upper

117 100

119 95.2 77.2 115.8

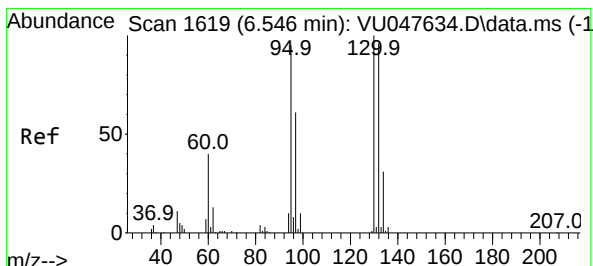
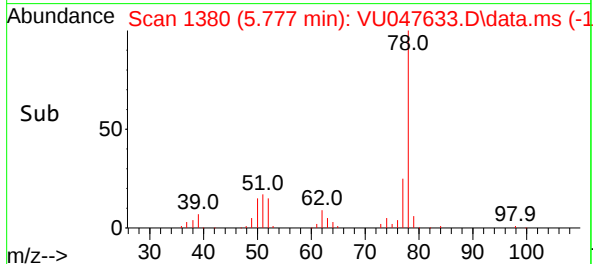
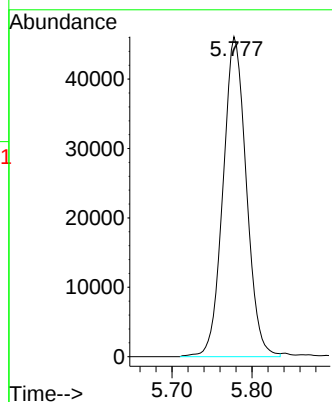
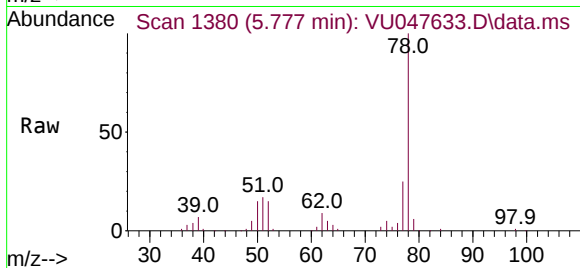




#33
Benzene
Concen: 10.483 ug/L
RT: 5.777 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD010050

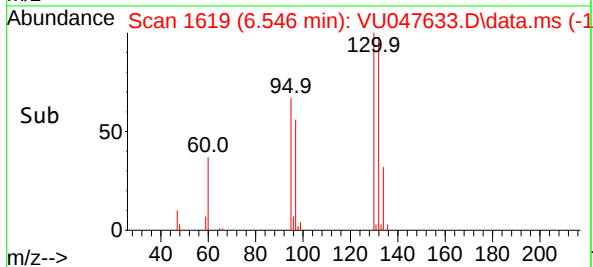
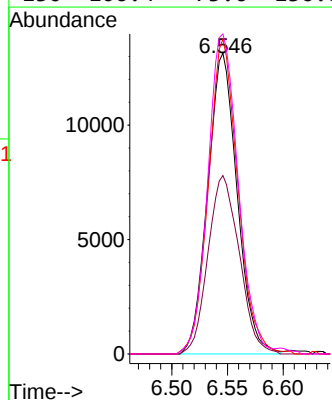
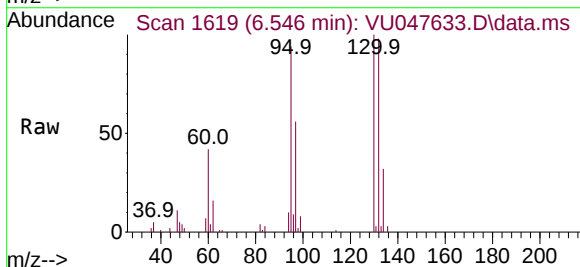
Tgt Ion: 78 Resp: 93255

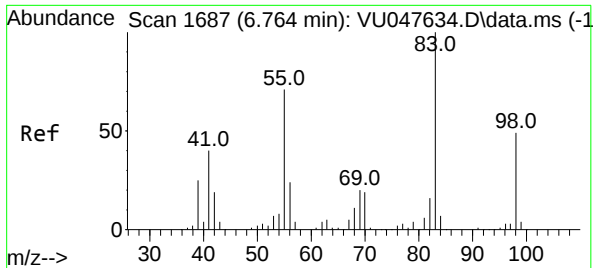


#34
Trichloroethene
Concen: 10.365 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

Tgt Ion: 95 Resp: 24186

Ion	Ratio	Lower	Upper
95	100		
97	59.3	44.7	82.9
132	104.7	70.4	130.8
130	106.4	73.6	136.8

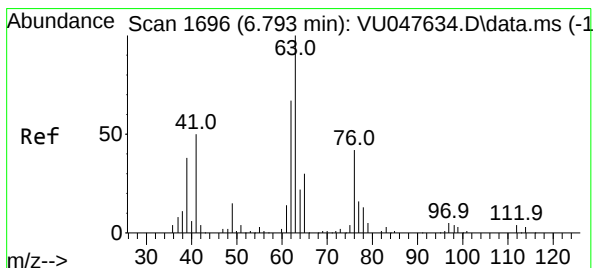
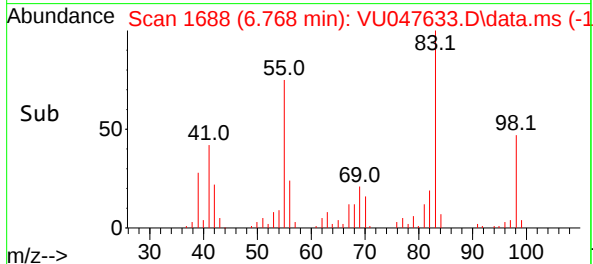
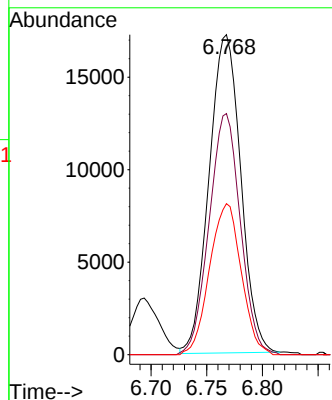
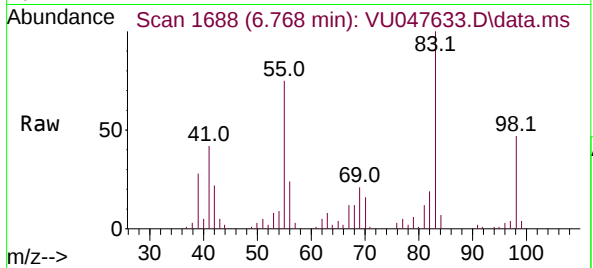




#35
Methylcyclohexane
Concen: 9.563 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.003 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

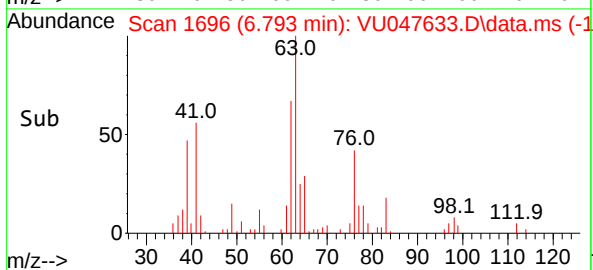
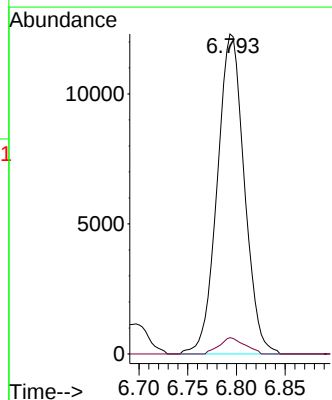
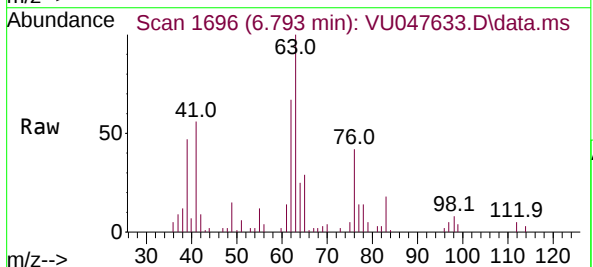
Instrument :
MSVOA_U
ClientSampleId :
VSTD010050

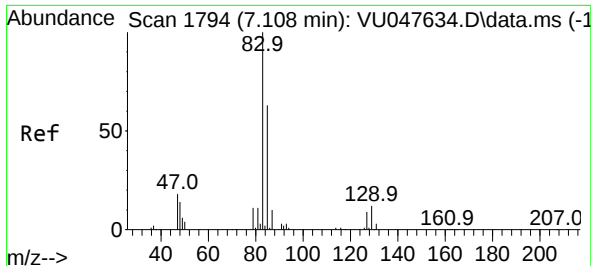
Tgt Ion: 83 Resp: 34001
Ion Ratio Lower Upper
83 100
55 74.8 56.8 85.2
98 47.5 38.1 57.1



#37
1,2-Dichloropropane
Concen: 10.269 ug/L
RT: 6.793 min Scan# 1696
Delta R.T. 0.000 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

Tgt Ion: 63 Resp: 23808
Ion Ratio Lower Upper
63 100
112 4.7 3.4 5.2

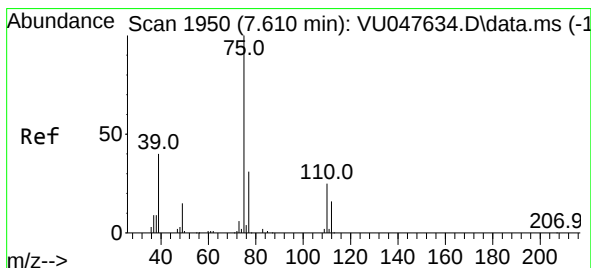
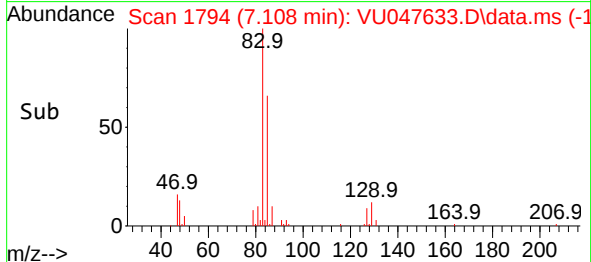
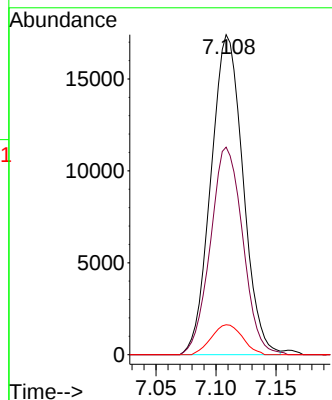
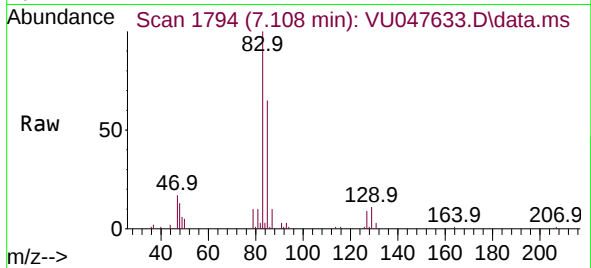




#38
Bromodichloromethane
Concen: 10.436 ug/L
RT: 7.108 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

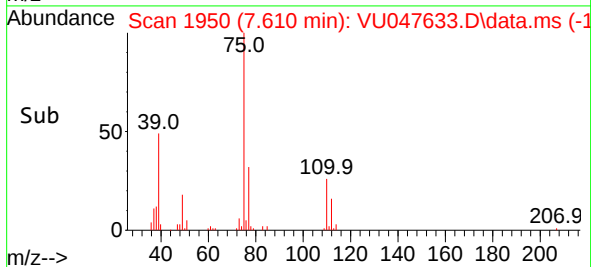
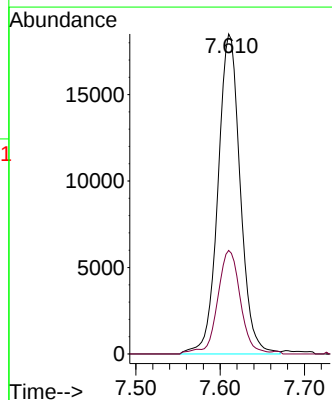
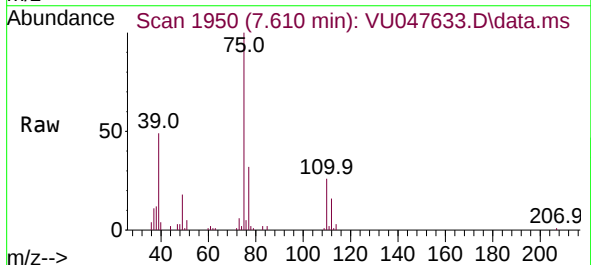
Instrument :
MSVOA_U
ClientSampleId :
VSTD010050

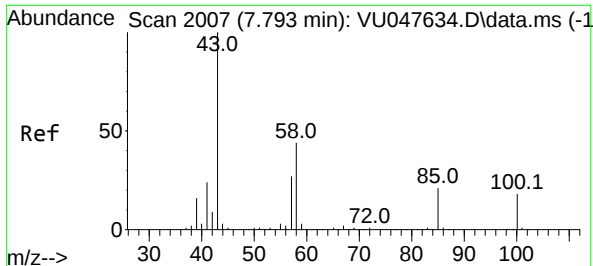
Tgt Ion: 83 Resp: 32377
Ion Ratio Lower Upper
83 100
85 64.8 44.4 82.4
127 9.4 7.2 10.8



#39
cis-1,3-Dichloropropene
Concen: 9.655 ug/L
RT: 7.610 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

Tgt Ion: 75 Resp: 33915
Ion Ratio Lower Upper
75 100
77 32.3 21.8 40.6





#40

4-Methyl-2-pentanone

Concen: 19.605 ug/L

RT: 7.797 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU047633.D

Acq: 24 Mar 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD010050

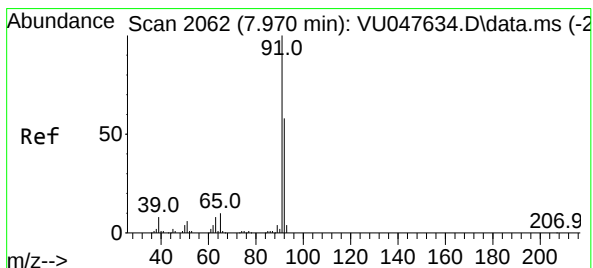
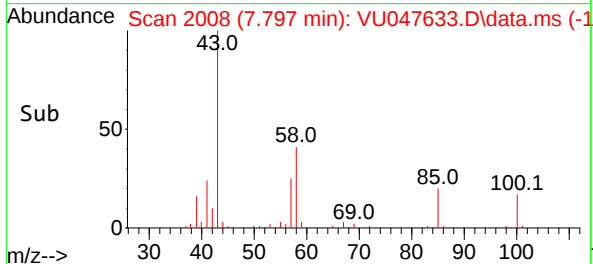
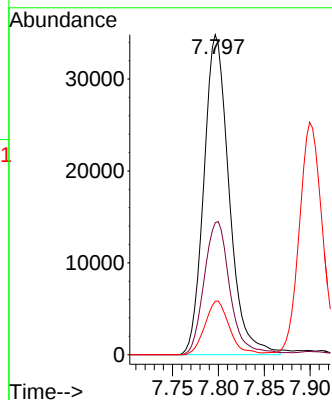
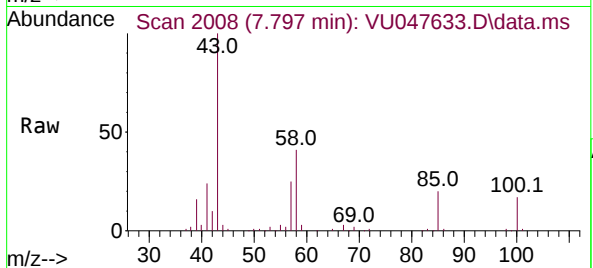
Tgt Ion: 43 Resp: 66880

Ion Ratio Lower Upper

43 100

58 42.7 34.7 52.1

100 16.3 14.2 21.2



#42

Toluene

Concen: 10.289 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU047633.D

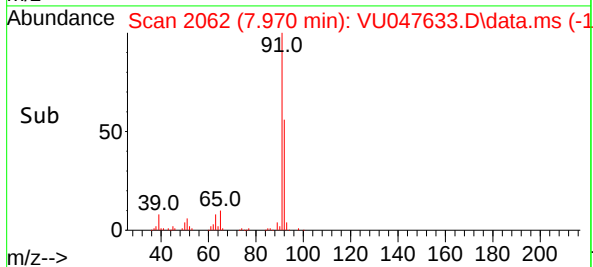
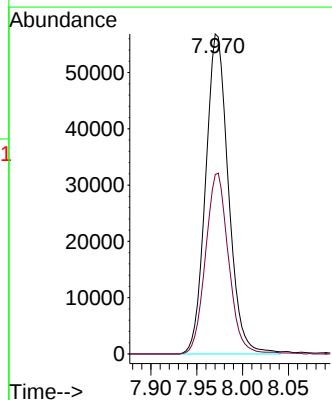
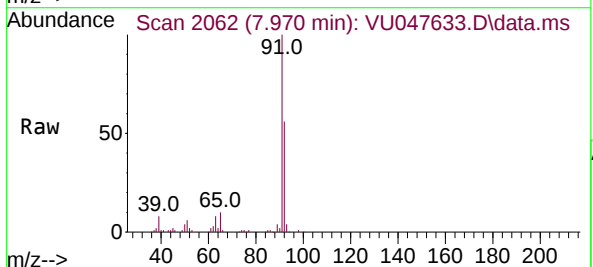
Acq: 24 Mar 2022 13:04

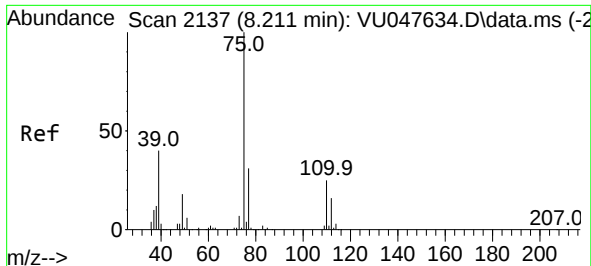
Tgt Ion: 91 Resp: 98449

Ion Ratio Lower Upper

91 100

92 56.1 40.4 75.0

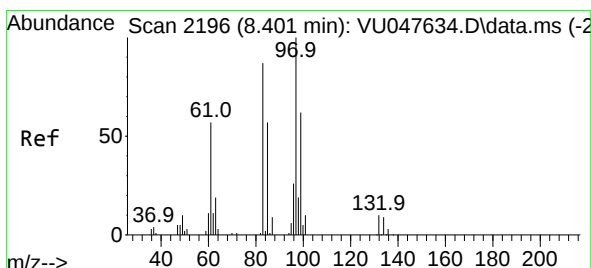
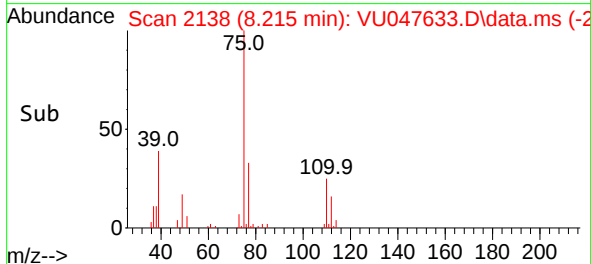
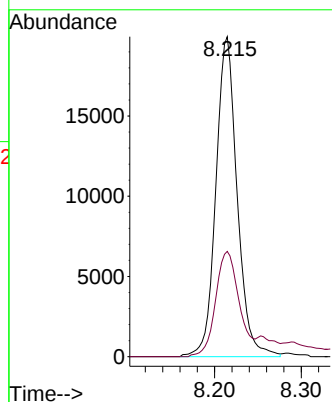
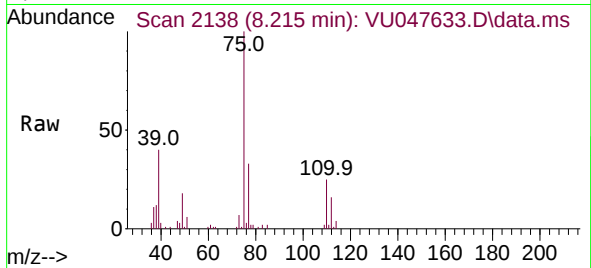




#44
trans-1,3-Dichloropropene
Concen: 9.894 ug/L
RT: 8.215 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

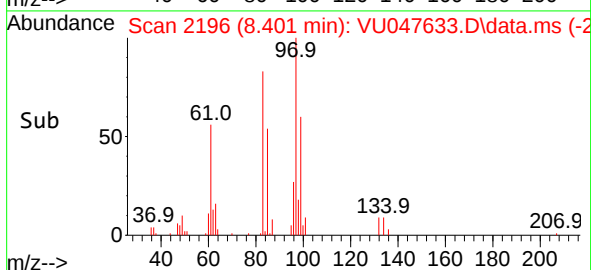
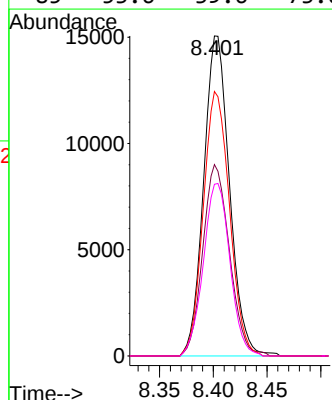
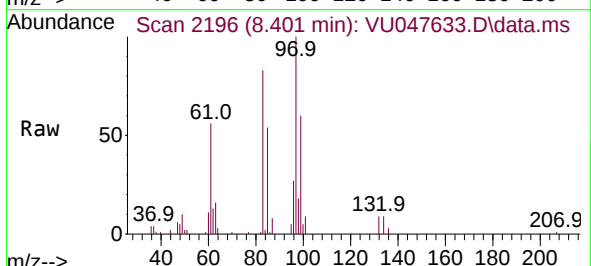
Instrument :
MSVOA_U
ClientSampleId :
VSTD010050

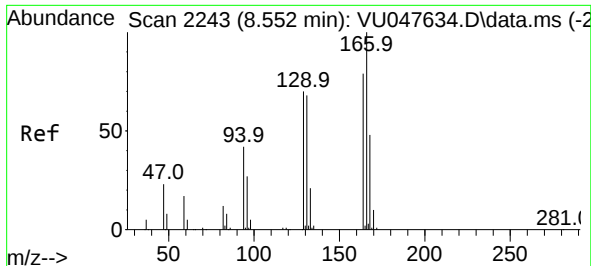
Tgt Ion: 75 Resp: 34059
Ion Ratio Lower Upper
75 100
77 32.9 22.0 40.8



#45
1,1,2-Trichloroethane
Concen: 10.714 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

Tgt Ion: 97 Resp: 25233
Ion Ratio Lower Upper
97 100
99 59.8 43.3 80.3
83 82.6 61.0 113.4
85 53.6 39.6 73.6

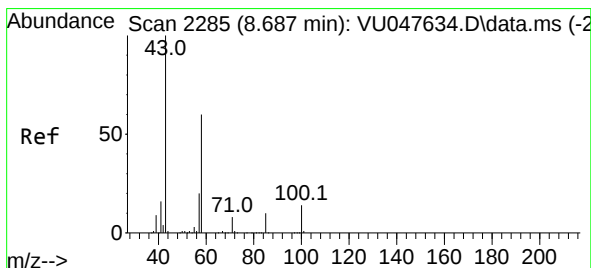
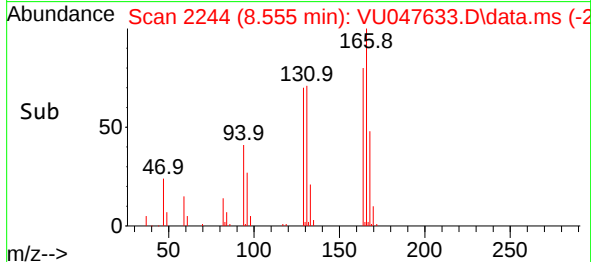
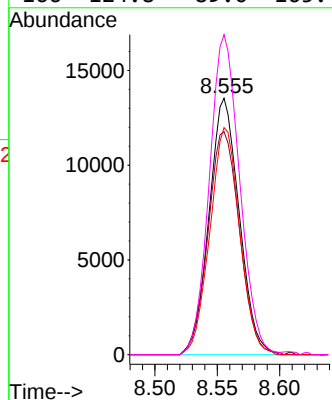
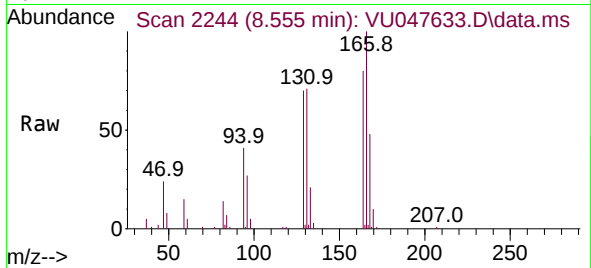




#46
Tetrachloroethene
Concen: 12.818 ug/L
RT: 8.555 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

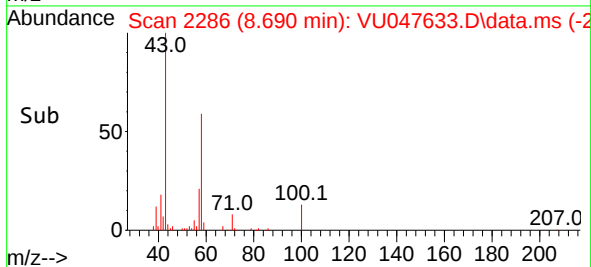
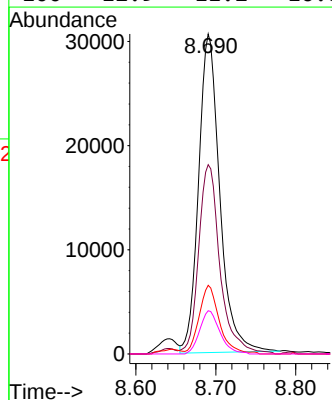
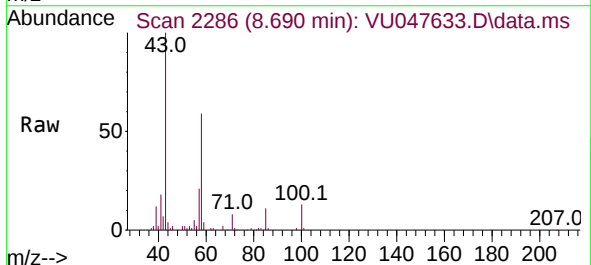
Instrument :
MSVOA_U
ClientSampleId :
VSTD010050

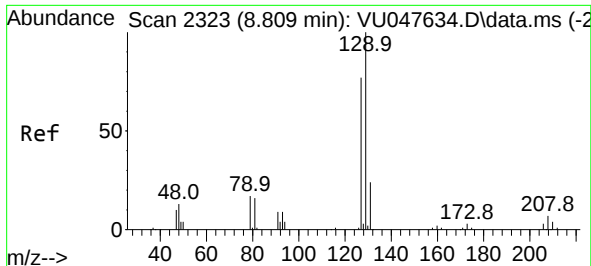
Tgt Ion:164 Resp: 22781
Ion Ratio Lower Upper
164 100
129 86.9 62.4 116.0
131 88.5 60.7 112.7
166 124.8 89.0 165.4



#48
2-Hexanone
Concen: 18.709 ug/L
RT: 8.690 min Scan# 2286
Delta R.T. 0.003 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

Tgt Ion: 43 Resp: 56481
Ion Ratio Lower Upper
43 100
58 60.0 48.1 72.1
57 19.4 16.2 24.4
100 12.9 11.2 16.8





#49

Dibromochloromethane

Concen: 11.292 ug/L

RT: 8.813 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU047633.D

Acq: 24 Mar 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

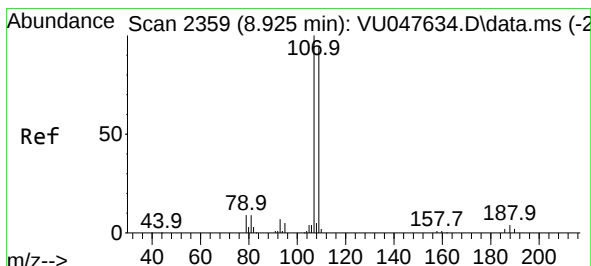
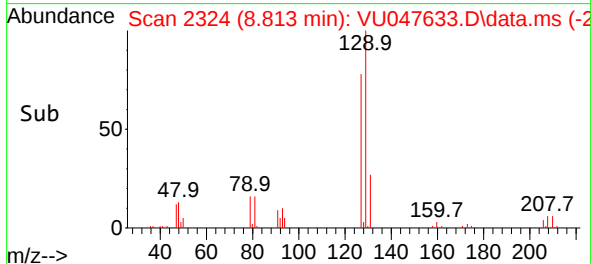
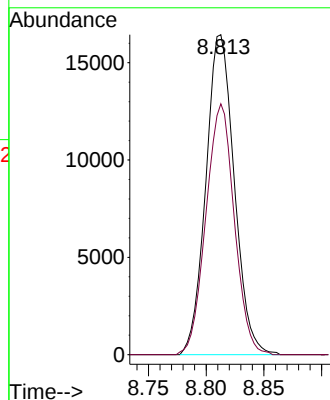
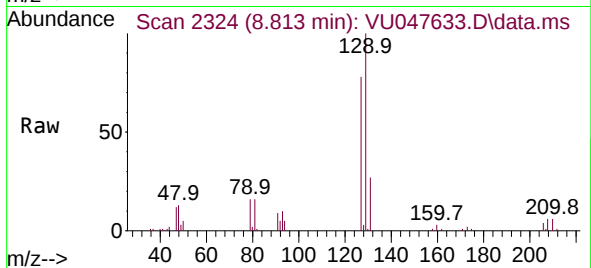
VSTD010050

Tgt Ion:129 Resp: 28188

Ion Ratio Lower Upper

129 100

127 78.4 54.2 100.6



#50

1,2-Dibromoethane

Concen: 10.993 ug/L

RT: 8.925 min Scan# 2359

Delta R.T. 0.000 min

Lab File: VU047633.D

Acq: 24 Mar 2022 13:04

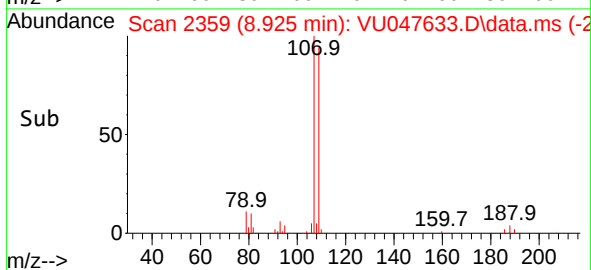
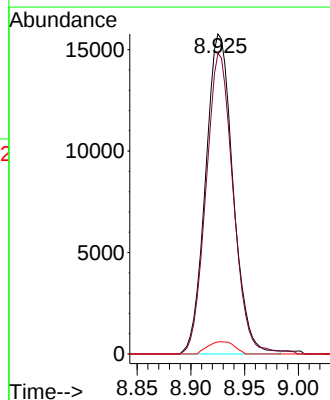
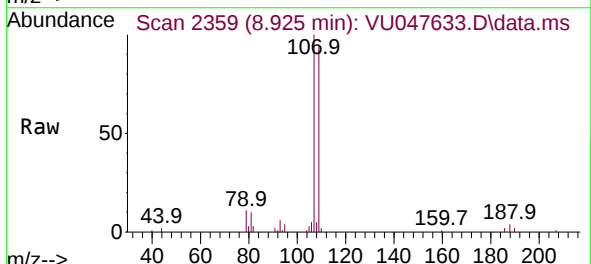
Tgt Ion:107 Resp: 28026

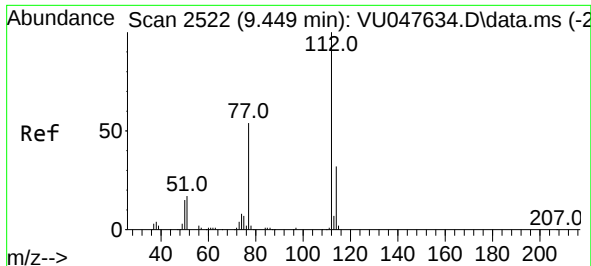
Ion Ratio Lower Upper

107 100

109 94.0 66.6 123.6

188 3.8 3.4 5.2

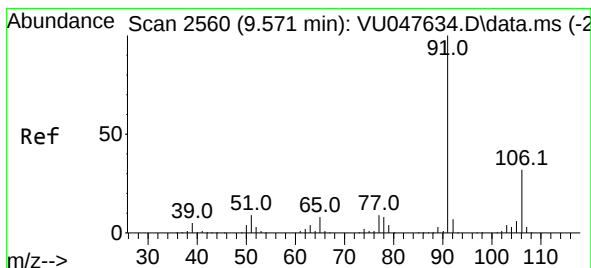
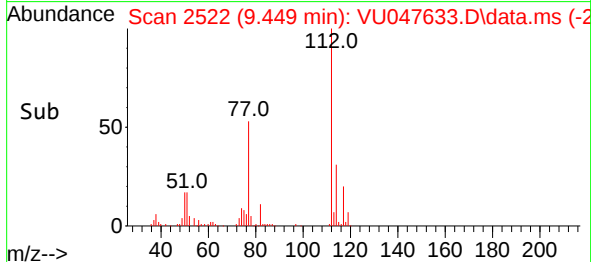
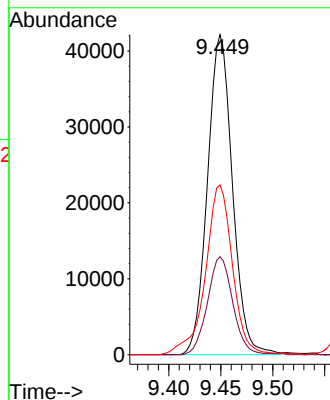
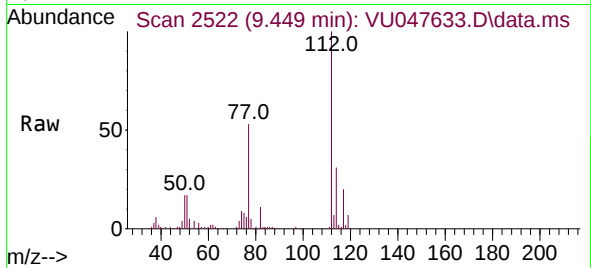




#51
Chlorobenzene
Concen: 11.317 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

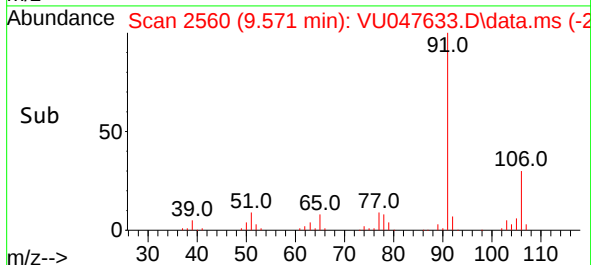
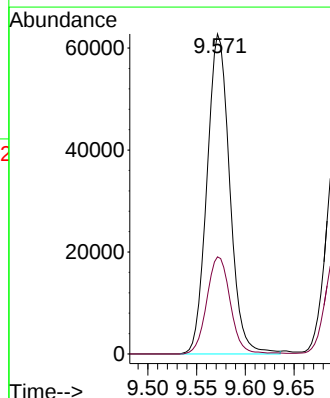
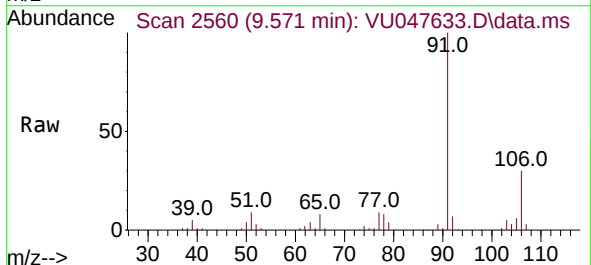
Instrument :
MSVOA_U
ClientSampleId :
VSTD010050

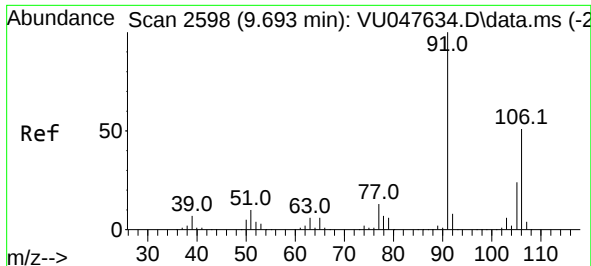
Tgt Ion: 112 Resp: 70370
Ion Ratio Lower Upper
112 100
114 30.7 22.1 41.1
77 53.1 43.4 65.0



#52
Ethylbenzene
Concen: 10.062 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

Tgt Ion: 91 Resp: 101811
Ion Ratio Lower Upper
91 100
106 30.4 22.4 41.6

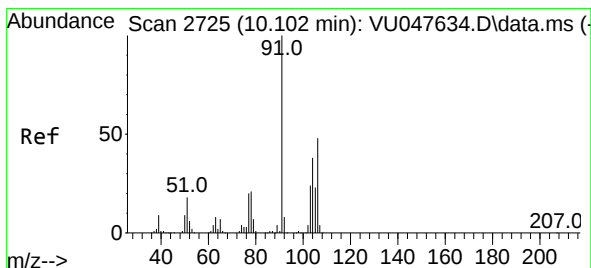
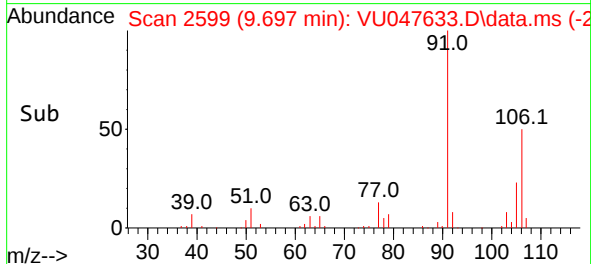
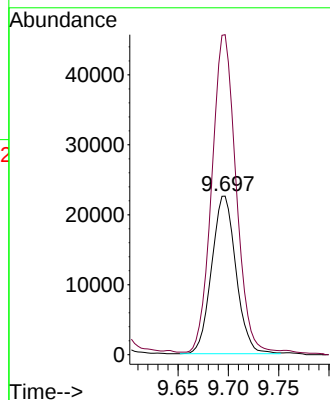
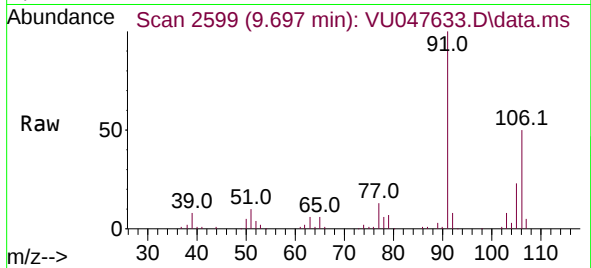




#53
m,p-Xylene
Concen: 9.561 ug/L
RT: 9.697 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

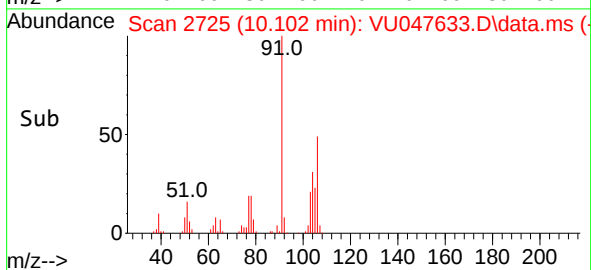
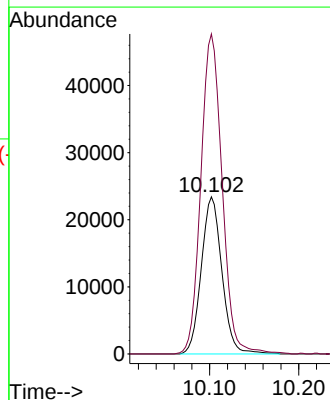
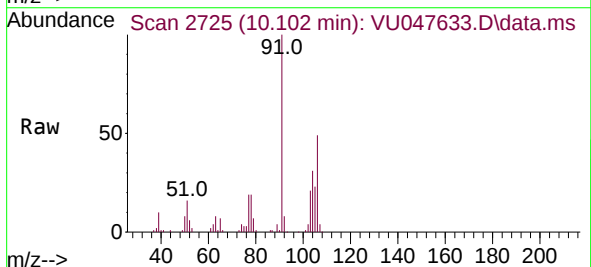
Instrument :
MSVOA_U
ClientSampleId :
VSTD010050

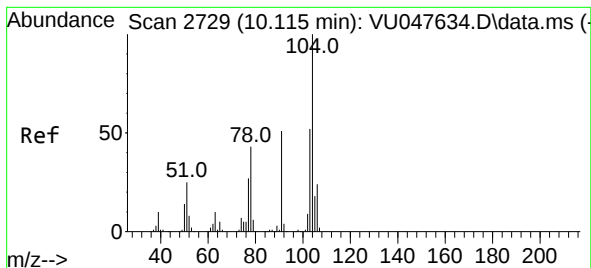
Tgt Ion:106 Resp: 37915
Ion Ratio Lower Upper
106 100
91 201.8 137.7 255.7



#54
o-Xylene
Concen: 9.733 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

Tgt Ion:106 Resp: 37639
Ion Ratio Lower Upper
106 100
91 203.7 146.7 272.5





#55

Styrene

Concen: 9.393 ug/L

RT: 10.115 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU047633.D

Acq: 24 Mar 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

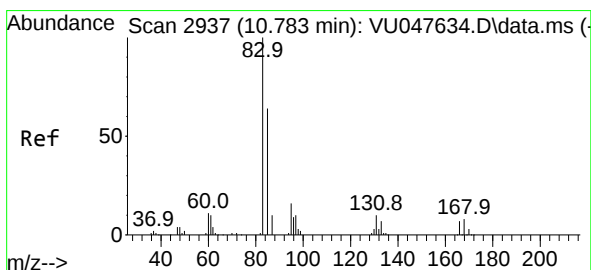
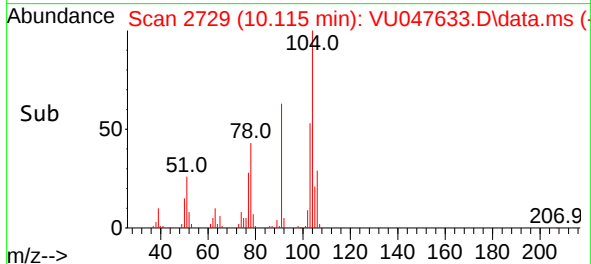
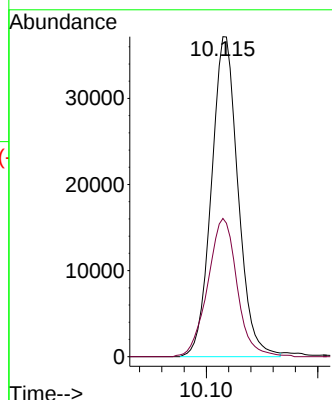
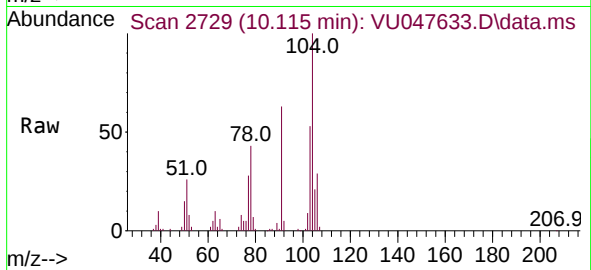
VSTD010050

Tgt Ion:104 Resp: 61744

Ion Ratio Lower Upper

104 100

78 43.2 30.4 56.4



#57

1,1,2,2-Tetrachloroethane

Concen: 10.843 ug/L

RT: 10.784 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU047633.D

Acq: 24 Mar 2022 13:04

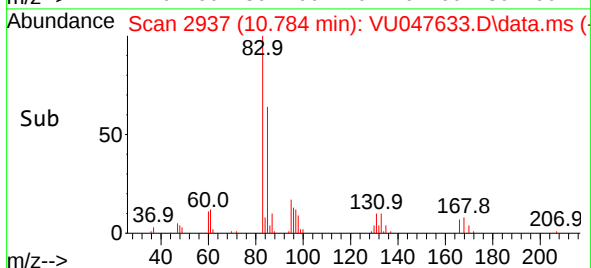
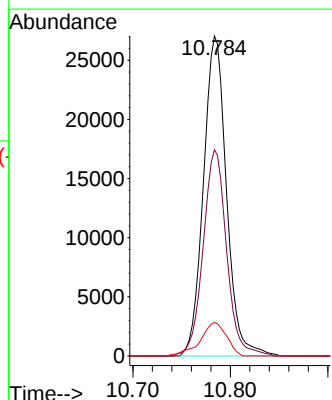
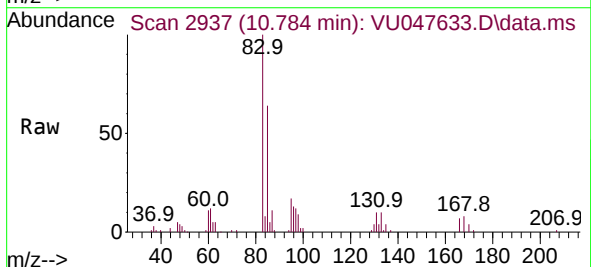
Tgt Ion: 83 Resp: 44500

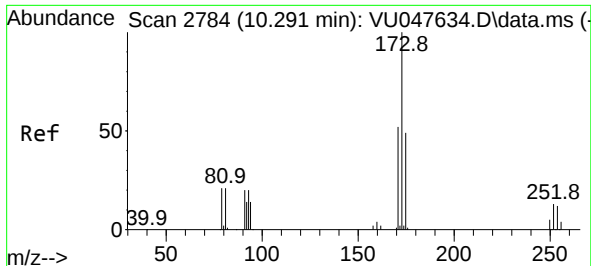
Ion Ratio Lower Upper

83 100

85 64.5 44.9 83.3

131 10.5 8.6 13.0

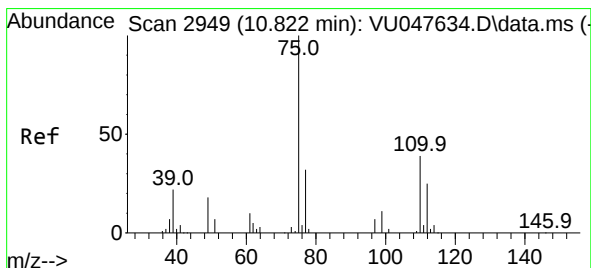
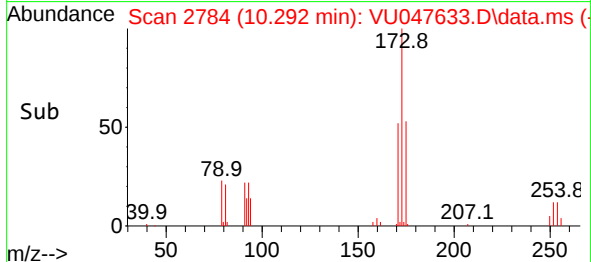
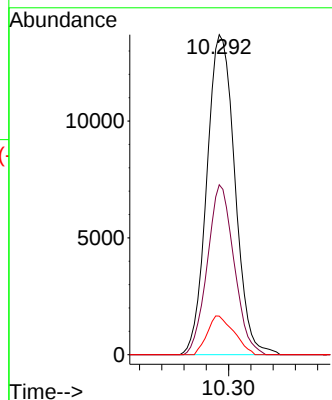
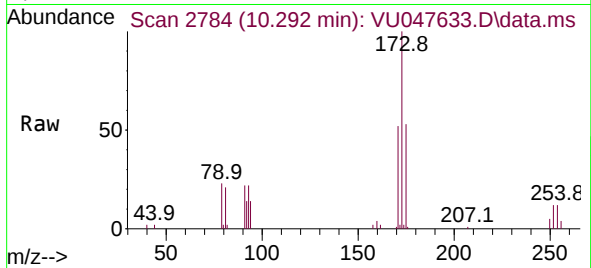




#59
Bromoform
Concen: 11.881 ug/L
RT: 10.292 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

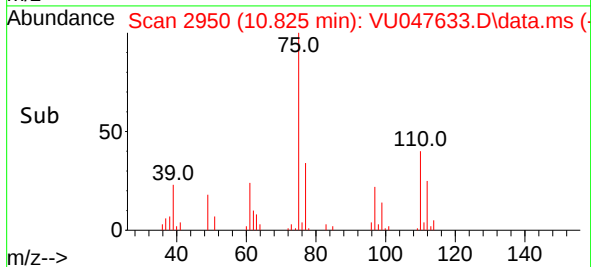
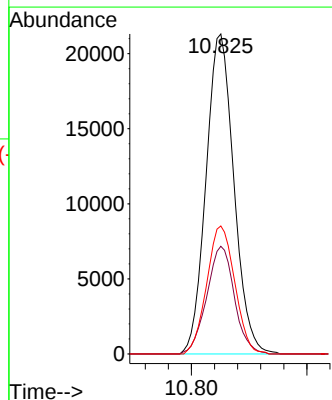
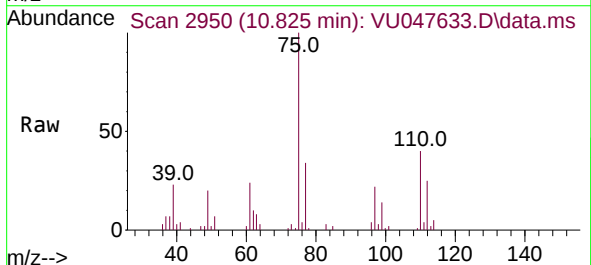
Instrument :
MSVOA_U
ClientSampleId :
VSTD010050

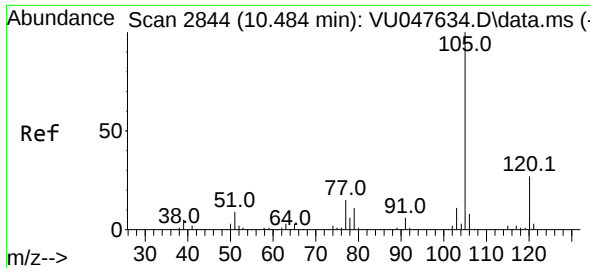
Tgt Ion:173 Resp: 23957
Ion Ratio Lower Upper
173 100
175 50.6 38.7 58.1
254 11.5 9.6 14.4



#60
1,2,3-Trichloropropane
Concen: 9.819 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

Tgt Ion: 75 Resp: 35711
Ion Ratio Lower Upper
75 100
77 33.3 26.0 39.0
110 40.2 31.4 47.2

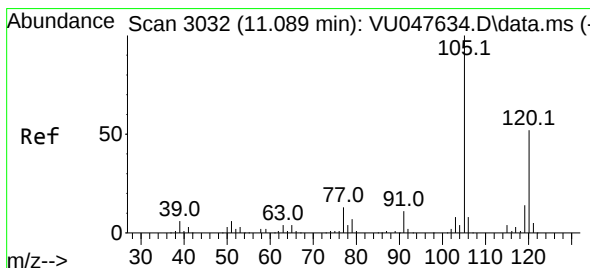
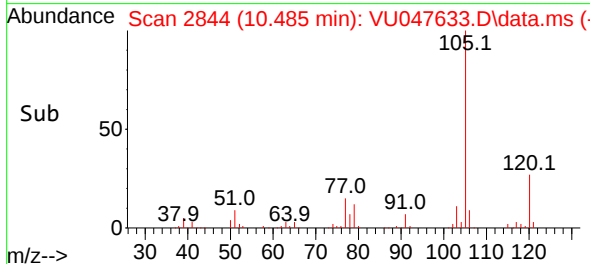
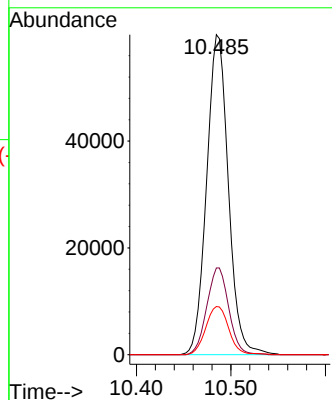
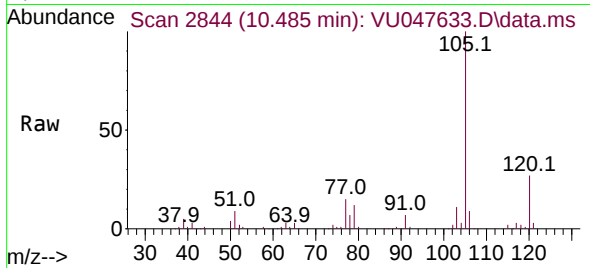




#61
Isopropylbenzene
Concen: 9.056 ug/L
RT: 10.485 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

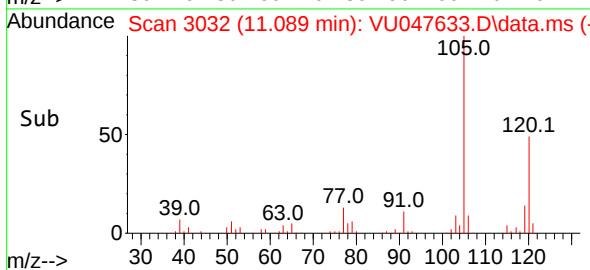
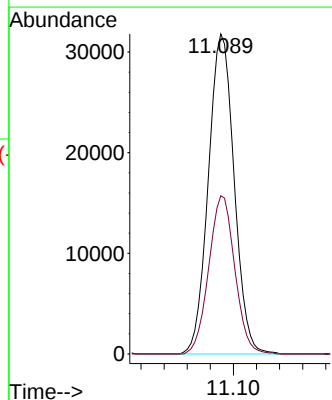
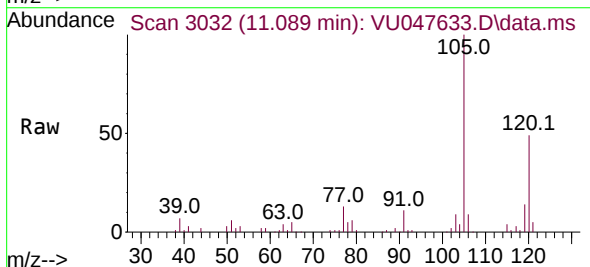
Instrument :
MSVOA_U
ClientSampleId :
VSTD010050

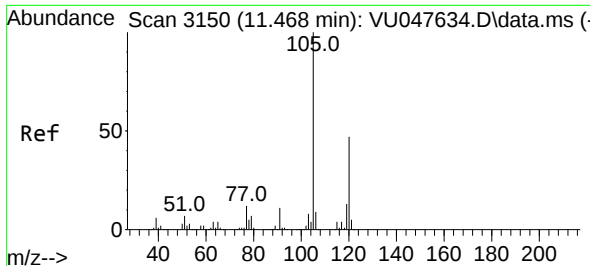
Tgt Ion:105 Resp: 95643
Ion Ratio Lower Upper
105 100
120 27.4 21.9 32.9
77 15.8 12.1 18.1



#62
1,3,5-Trimethylbenzene
Concen: 5.961 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

Tgt Ion:105 Resp: 49332
Ion Ratio Lower Upper
105 100
120 49.8 40.8 61.2

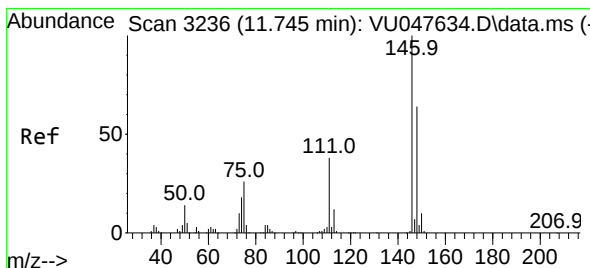
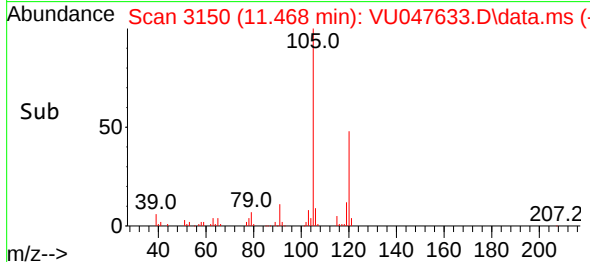
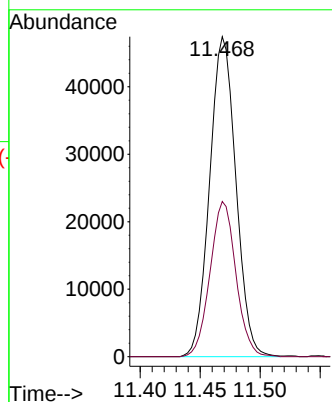
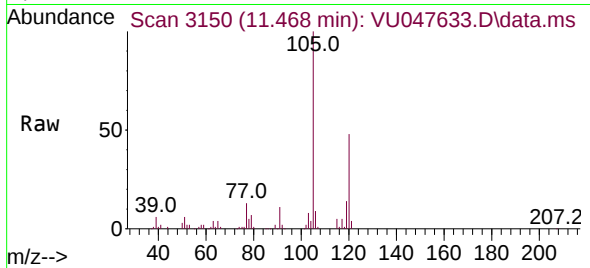




#63
 1,2,4-Trimethylbenzene
 Concen: 8.252 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU047633.D
 Acq: 24 Mar 2022 13:04

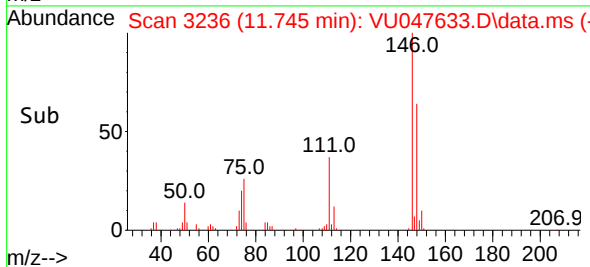
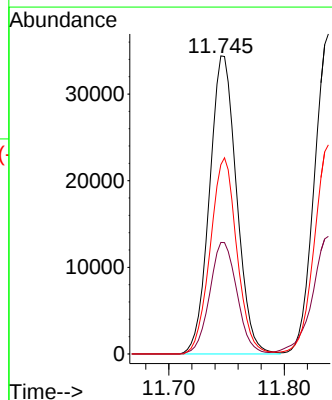
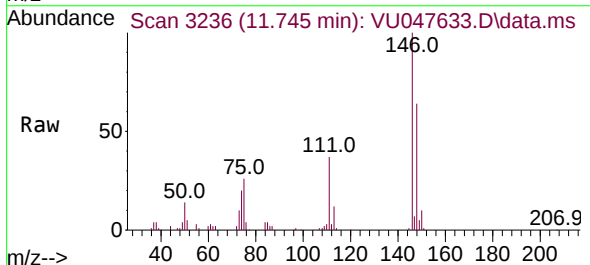
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010050

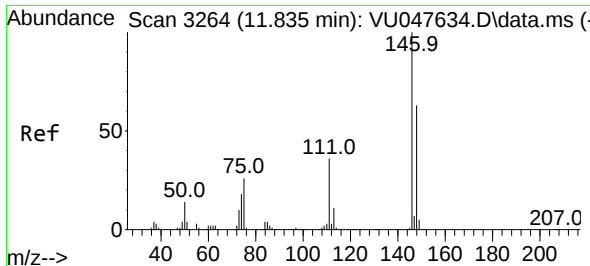
Tgt Ion:105 Resp: 72135
 Ion Ratio Lower Upper
 105 100
 120 47.7 37.6 56.4



#64
 1,3-Dichlorobenzene
 Concen: 10.862 ug/L
 RT: 11.745 min Scan# 3236
 Delta R.T. 0.000 min
 Lab File: VU047633.D
 Acq: 24 Mar 2022 13:04

Tgt Ion:146 Resp: 56103
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.7 49.7
 148 63.5 44.4 82.5

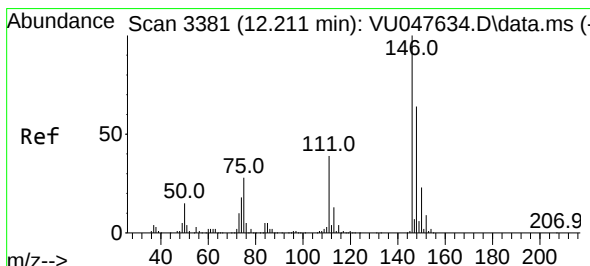
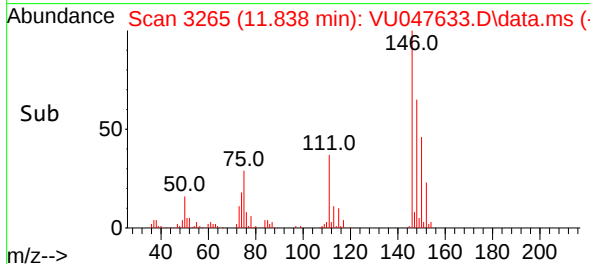
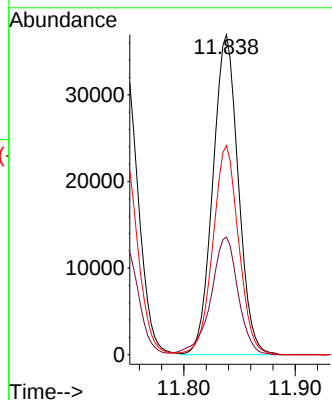
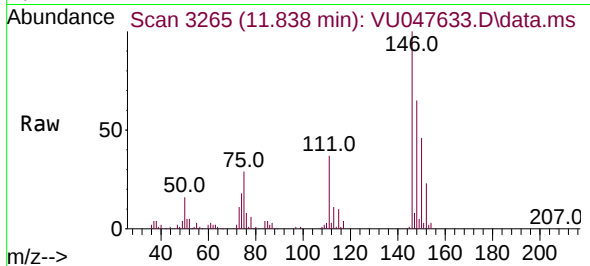




#65
1,4-Dichlorobenzene
Concen: 10.974 ug/L
RT: 11.838 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

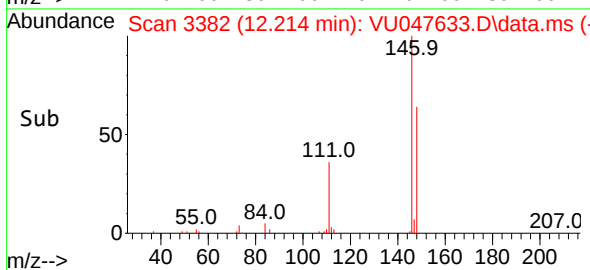
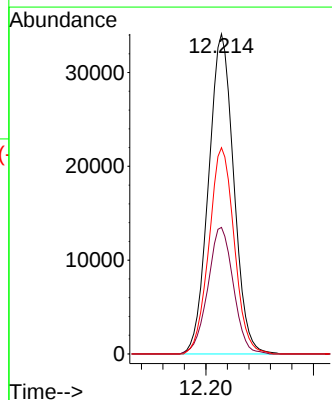
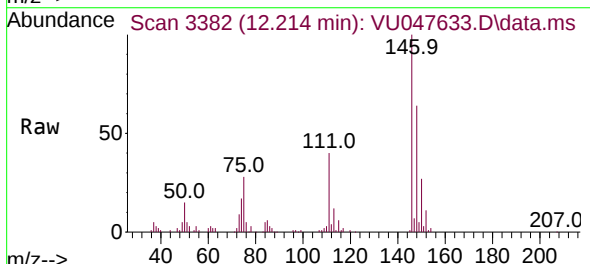
Instrument :
MSVOA_U
ClientSampleId :
VSTD010050

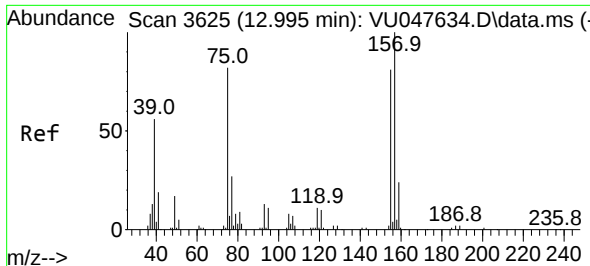
Tgt Ion:146 Resp: 58647
Ion Ratio Lower Upper
146 100
111 36.8 25.3 47.1
148 65.4 44.5 82.7



#67
1,2-Dichlorobenzene
Concen: 10.626 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

Tgt Ion:146 Resp: 55435
Ion Ratio Lower Upper
146 100
111 39.5 31.7 47.5
148 64.4 51.4 77.2

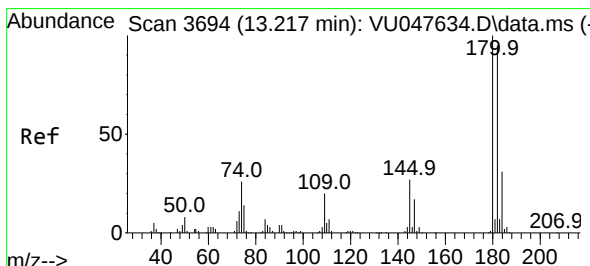
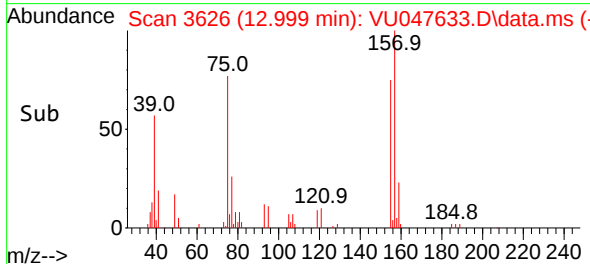
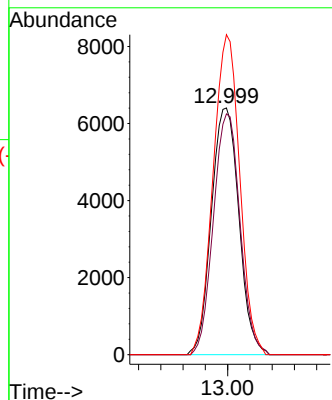
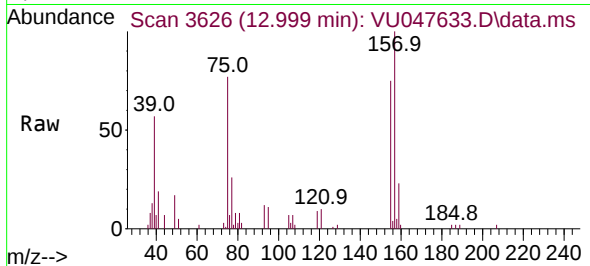




#68
 1,2-Dibromo-3-chloropropane
 Concen: 11.015 ug/L
 RT: 12.999 min Scan# 3626
 Delta R.T. 0.003 min
 Lab File: VU047633.D
 Acq: 24 Mar 2022 13:04

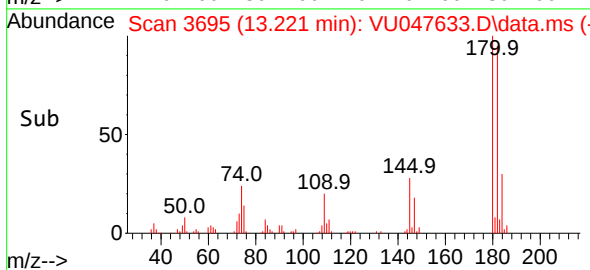
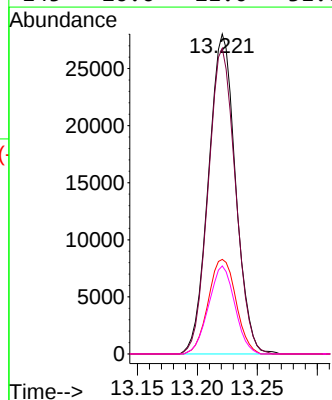
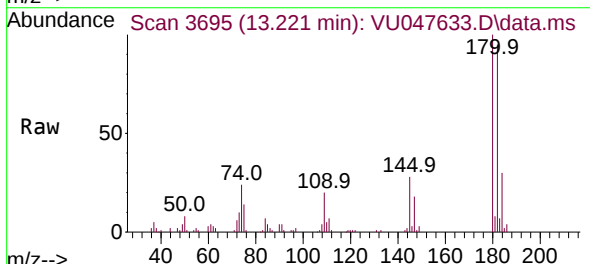
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010050

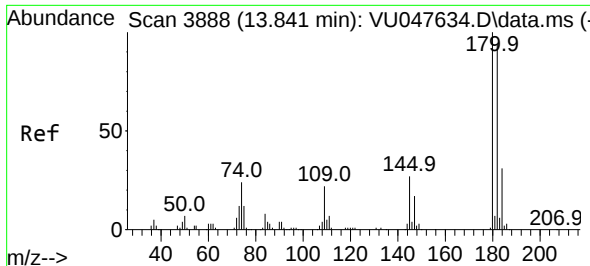
Tgt Ion: 75 Resp: 10977
 Ion Ratio Lower Upper
 75 100
 155 97.6 78.9 118.3
 157 129.7 97.5 146.3



#69
 1,3,5-Trichlorobenzene
 Concen: 11.517 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.003 min
 Lab File: VU047633.D
 Acq: 24 Mar 2022 13:04

Tgt Ion: 180 Resp: 43966
 Ion Ratio Lower Upper
 180 100
 182 95.8 77.0 115.6
 184 30.3 24.5 36.7
 145 26.6 21.0 31.6

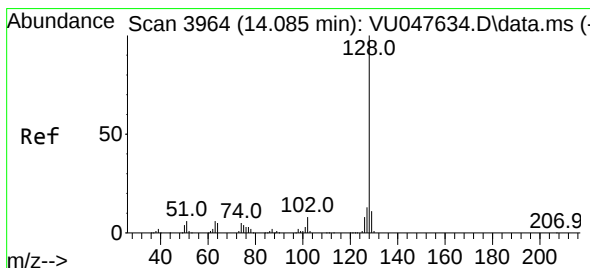
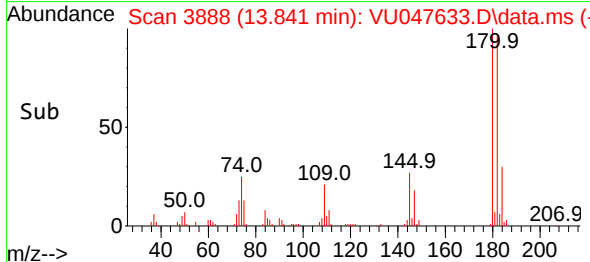
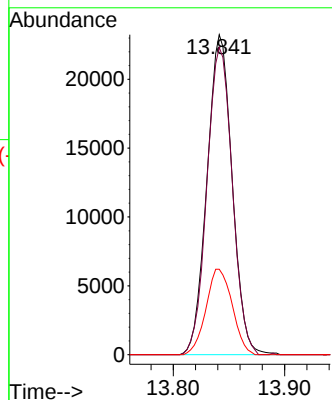
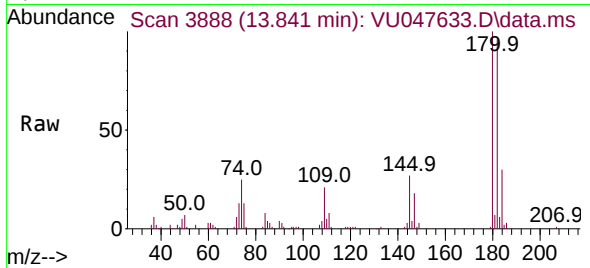




#70
1,2,4-trichlorobenzene
Concen: 10.784 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.000 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

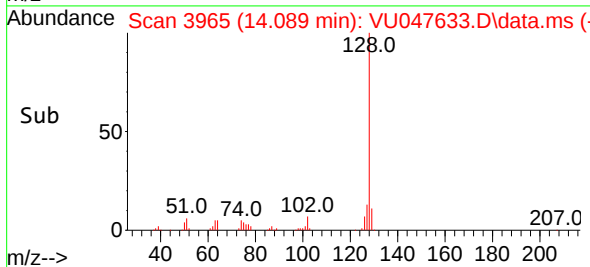
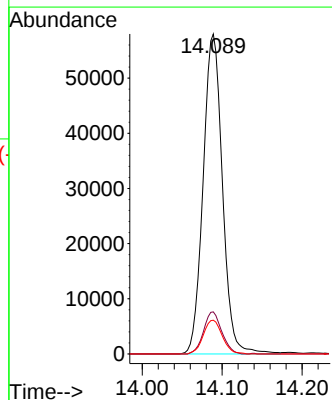
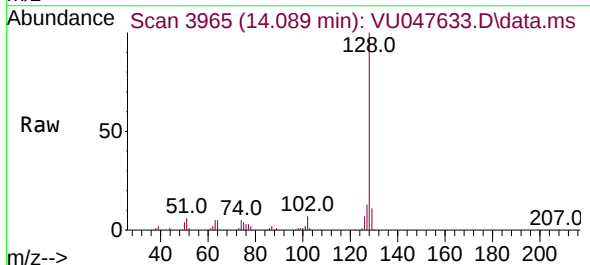
Instrument :
MSVOA_U
ClientSampleId :
VSTD010050

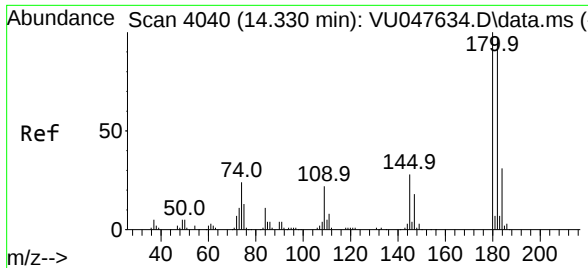
Tgt Ion:180 Resp: 36497
Ion Ratio Lower Upper
180 100
182 96.5 76.2 114.2
145 27.8 21.8 32.8



#71
Naphthalene
Concen: 8.630 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU047633.D
Acq: 24 Mar 2022 13:04

Tgt Ion:128 Resp: 97679
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.2
129 10.4 8.8 13.2





#72
 1,2,3-Trichlorobenzene
 Concen: 10.917 ug/L
 RT: 14.330 min Scan# 40
 Delta R.T. 0.000 min
 Lab File: VU047633.D
 Acq: 24 Mar 2022 13:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010050

Tgt Ion:	180	Resp:	37421
Ion	Ratio	Lower	Upper
180	100		
182	93.4	77.4	116.0
145	29.3	22.8	34.2

