

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121220\
 Data File : VU041600.D
 Acq On : 13 Dec 2020 04:41
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Quant Time: Dec 13 11:22:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sun Dec 13 11:18:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	140280	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	132610	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	71323	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	53826	4.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.20%
7) Chloroethane-d5	1.92	69	42884	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.00%
11) 1,1-Dichloroethene-d2	2.58	63	100448	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.40%
20) 2-Butanone-d5	4.65	46	163437	51.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.76%
24) Chloroform-d	5.08	84	95143	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.72	65	52005	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
32) Benzene-d6	5.74	84	192784	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.70	67	60108	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.90	98	179832	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
43) trans-1,3-Dichloropropene-	8.19	79	26397	4.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.60%
46) 2-Hexanone-d5	8.64	63	150193	51.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.64%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	56367	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	62442	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	62709	5.277	ug/L 99
3) Chloromethane	1.53	50	55897	4.841	ug/L 98
5) Vinyl chloride	1.61	62	64200	5.036	ug/L 97
6) Bromomethane	1.87	94	41625	5.222	ug/L 96
8) Chloroethane	1.94	64	39435	4.554	ug/L 98
9) Trichlorofluoromethane	2.15	101	87922	5.449	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	50724	5.256	ug/L 97
12) 1,1-Dichloroethene	2.59	96	48972	5.146	ug/L 96
13) Acetone	2.66	43	101944	50.875	ug/L 97
14) Carbon disulfide	2.81	76	169099	5.142	ug/L 99
15) Methyl Acetate	2.97	43	24790	4.759	ug/L 94
16) Methylene chloride	3.06	84	56169	4.942	ug/L 98
17) Methyl tert-butyl Ether	3.38	73	133006	5.238	ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	51340	5.216	ug/L 99
19) 1,1-Dichloroethane	3.89	63	96865	5.265	ug/L 97
21) 2-Butanone	4.73	43	176829	54.177	ug/L 99
22) cis-1,2-Dichloroethene	4.69	96	56275	5.173	ug/L 99

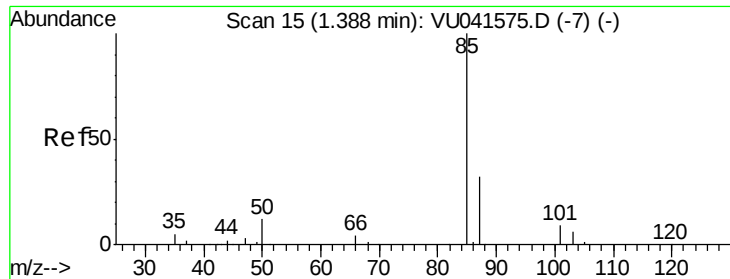
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121220\
 Data File : VU041600.D
 Acq On : 13 Dec 2020 04:41
 Operator : SY/MD
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sun Dec 13 11:18:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	26318	5.266	ug/L	92
25) Chloroform	5.11	83	97692	5.273	ug/L	99
27) 1,2-Dichloroethane	5.81	62	64612	5.150	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	82625	5.426	ug/L	99
30) Cyclohexane	5.40	56	86397	5.062	ug/L	97
31) Carbon tetrachloride	5.54	117	71705	5.445	ug/L	99
33) Benzene	5.79	78	221190	5.215	ug/L	100
34) Trichloroethene	6.55	95	56667	5.317	ug/L	93
35) Methylcyclohexane	6.77	83	89747	5.210	ug/L	100
37) 1,2-Dichloropropane	6.80	63	56951	5.250	ug/L	100
38) Bromodichloromethane	7.11	83	70838	5.249	ug/L	95
39) cis-1,3-Dichloropropene	7.61	75	81036	5.041	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	410804	53.219	ug/L	99
42) Toluene	7.98	91	236247	5.395	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	76177	5.299	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	44907	5.598	ug/L	97
47) Tetrachloroethene	8.56	164	41797	5.603	ug/L	95
48) 2-Hexanone	8.69	43	306424	54.546	ug/L	99
49) Dibromochloromethane	8.81	129	51269	5.564	ug/L	98
50) 1,2-Dibromoethane	8.93	107	42649	5.374	ug/L	100
51) Chlorobenzene	9.45	112	146232	5.373	ug/L	98
52) Ethylbenzene	9.57	91	248556	5.331	ug/L	97
53) m,p-Xylene	9.69	106	95554	5.495	ug/L	98
54) o-Xylene	10.10	106	95160	5.587	ug/L	98
55) Styrene	10.11	104	165706	5.632	ug/L	100
56) Isopropylbenzene	10.48	105	251599	5.550	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	59861	5.363	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	42783	5.251	ug/L	98
61) Bromoform	10.29	173	30447	5.647	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	116069	5.321	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	115888	5.284	ug/L	99
65) 1,2-Dichlorobenzene	12.20	146	111411	5.216	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	10570	5.277	ug/L	96
67) 1,3,5-Trichlorobenzene	13.21	180	84611	5.110	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	72399	5.210	ug/L	99
69) Naphthalene	14.07	128	142511	4.954	ug/L	100
70) 1,2,3-Trichlorobenzene	14.31	180	68255	5.154	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.277 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041600.D

Acq: 13 Dec 2020 04:41

Instrument :

MSVOA_U

ClientSampleId :

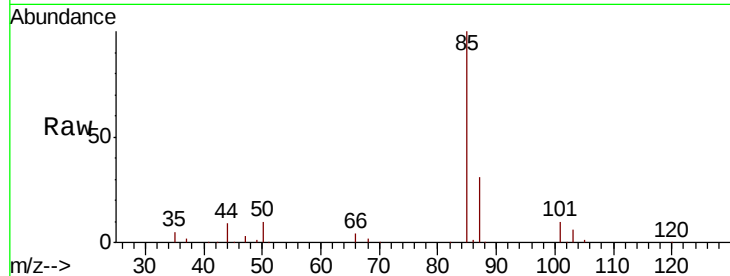
VSTD00513

Tot Ion: 85 Resp: 62709

Ion Ratio Lower Upper

85 100

87 31.6 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU041575.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU041575.D (-7) (-)

1.39

60000

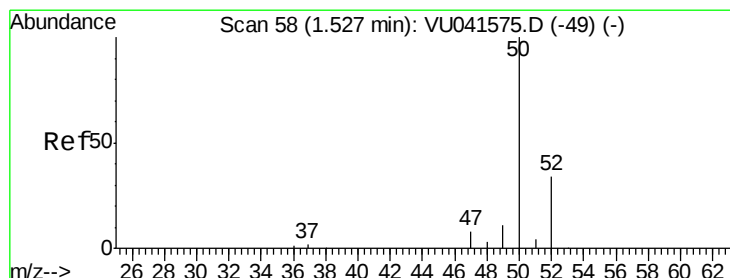
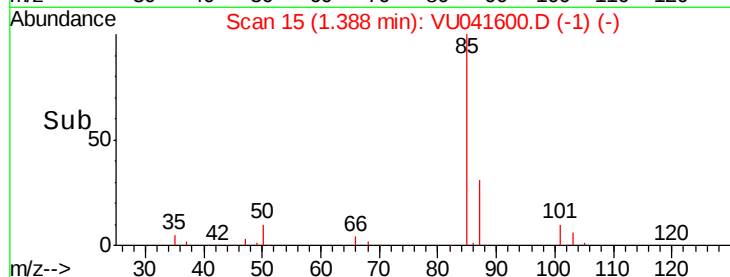
40000

20000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 4.841 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041600.D

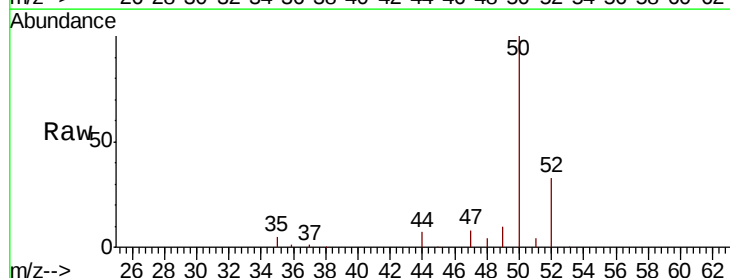
Acq: 13 Dec 2020 04:41

Tgt Ion: 50 Resp: 55897

Ion Ratio Lower Upper

50 100

52 33.1 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041575.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU041575.D (-49) (-)

1.53

60000

50000

40000

30000

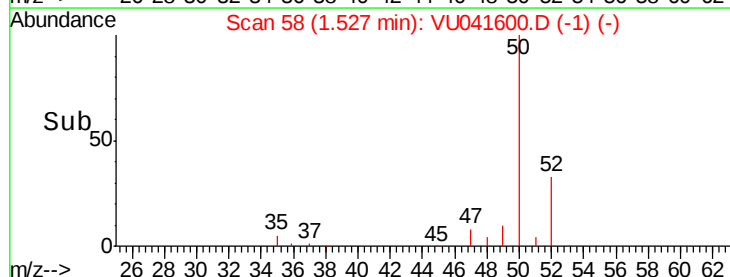
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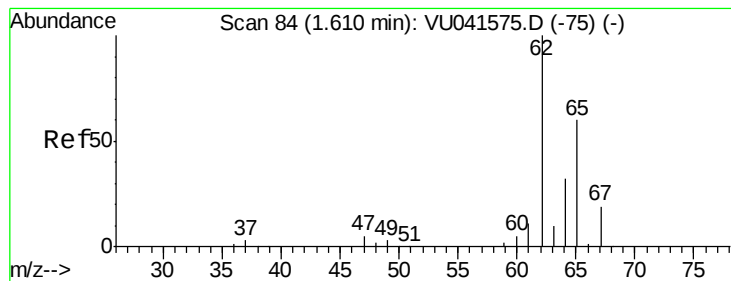
10000

0

1.45 1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 5.036 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041600.D

Acq: 13 Dec 2020 04:41

Instrument :

MSVOA_U

ClientSampleID :

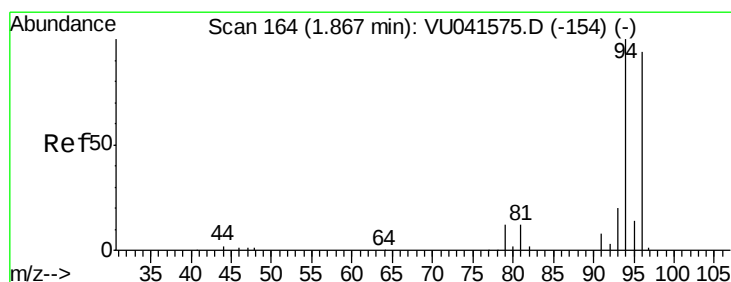
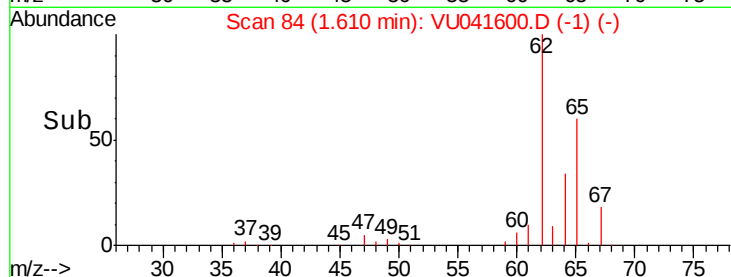
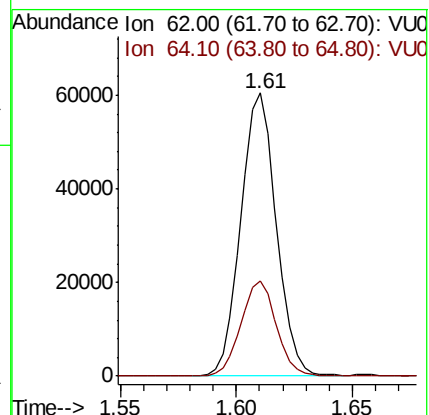
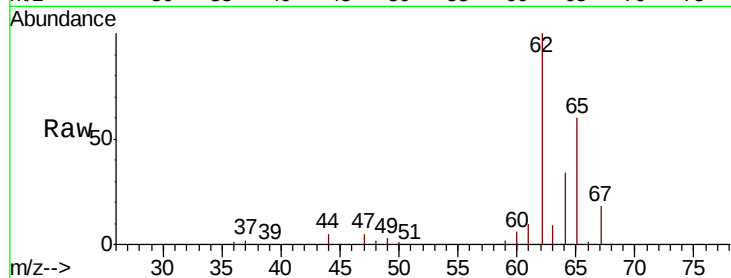
VSTD00513

Tot Ion: 62 Resp: 64200

Ion Ratio Lower Upper

62 100

64 33.7 22.5 41.7



#6

Bromomethane

Concen: 5.222 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU041600.D

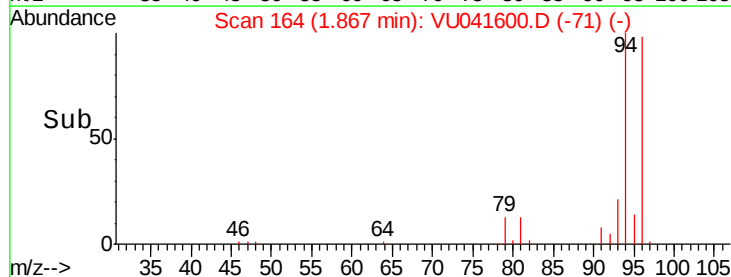
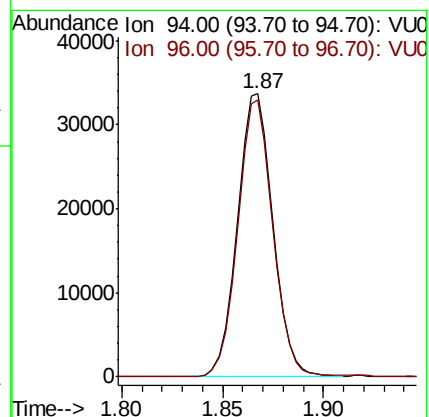
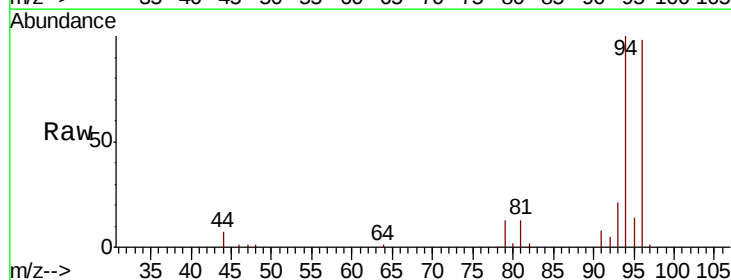
Acq: 13 Dec 2020 04:41

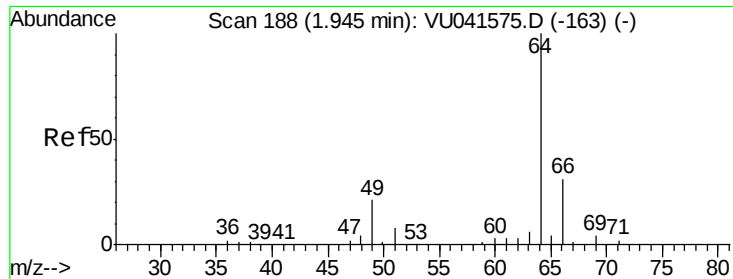
Tgt Ion: 94 Resp: 41625

Ion Ratio Lower Upper

94 100

96 97.7 65.7 121.9

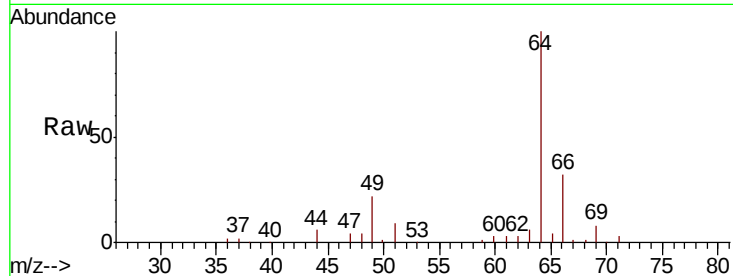




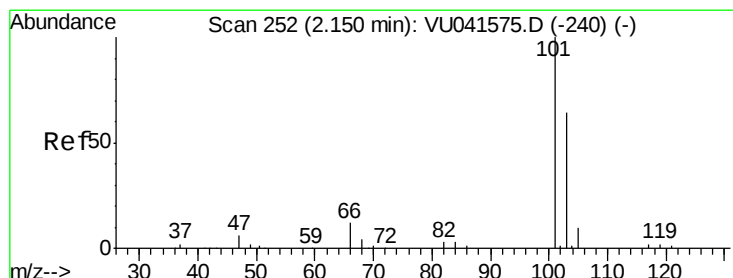
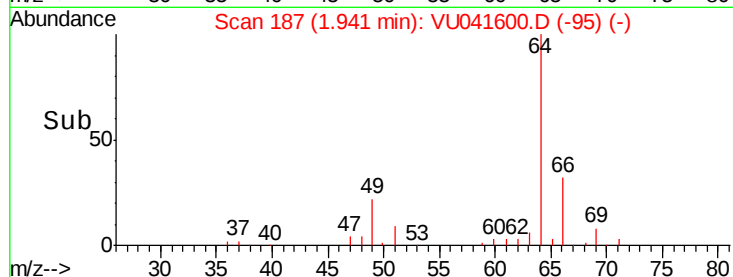
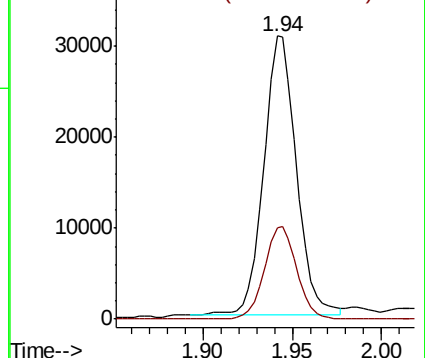
#8
Chloroethane
Concen: 4.554 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU041600.D
Acq: 13 Dec 2020 04:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

Tot Ion: 64 Resp: 39435
Ion Ratio Lower Upper
64 100
66 32.1 21.6 40.0

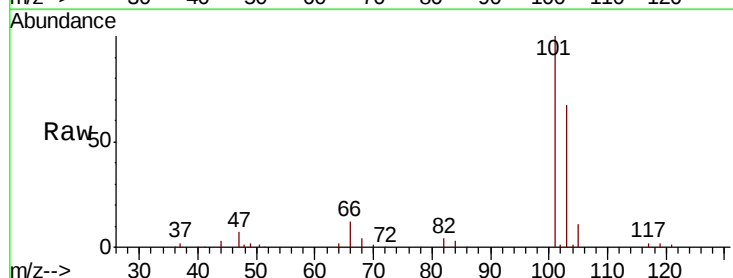


Abundance Ion 64.10 (63.80 to 64.80): VU041575.D (-163) (-)
Ion 66.05 (65.75 to 66.75): VU041575.D (-163) (-)

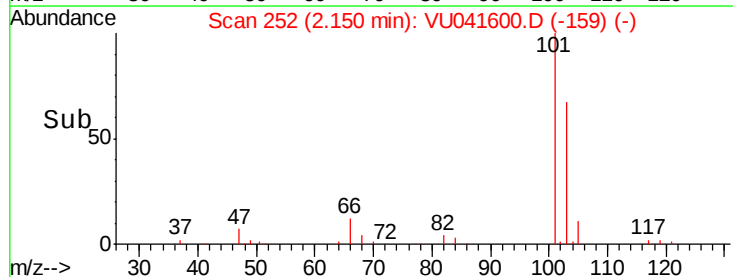
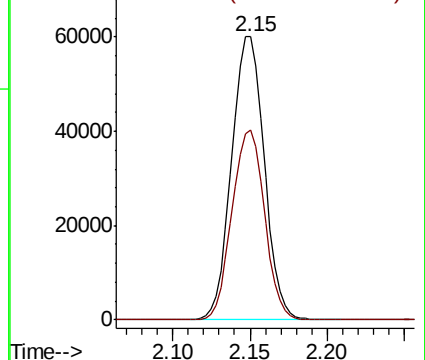


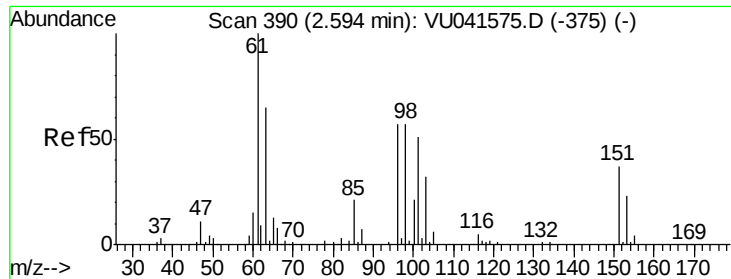
#9
Trichlorofluoromethane
Concen: 5.449 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU041600.D
Acq: 13 Dec 2020 04:41

Tgt Ion:101 Resp: 87922
Ion Ratio Lower Upper
101 100
103 66.5 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU041575.D (-240) (-)
Ion 103.00 (102.70 to 103.70): VU041575.D (-240) (-)





#10

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

Concen: 5.256 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041600.D

Acq: 13 Dec 2020 04:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

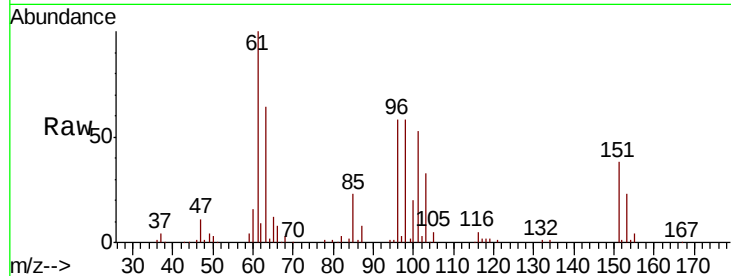
Tot Ion:101 Resp: 50724

Ion Ratio Lower Upper

101 100

85 43.4 33.6 50.4

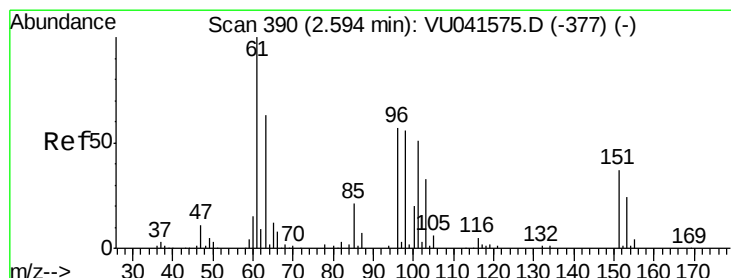
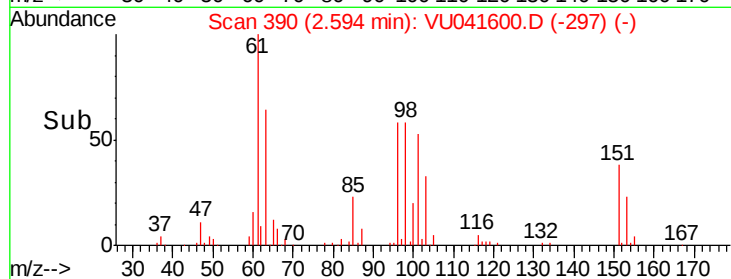
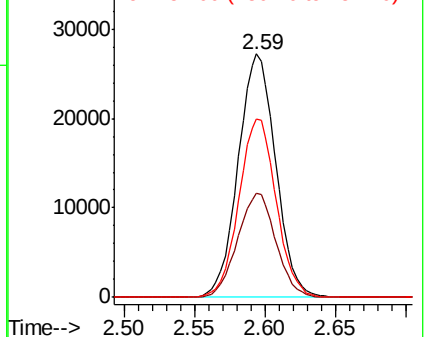
151 72.7 56.2 84.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.146 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041600.D

Acq: 13 Dec 2020 04:41

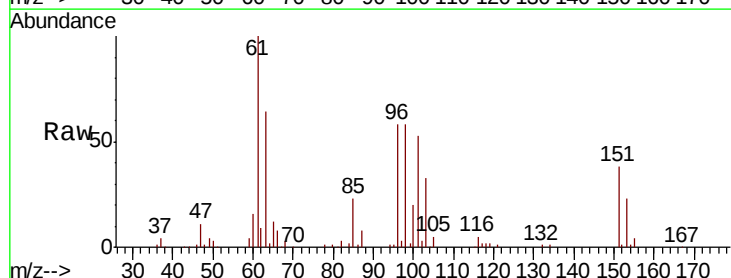
Tgt Ion: 96 Resp: 48972

Ion Ratio Lower Upper

96 100

61 171.9 123.8 230.0

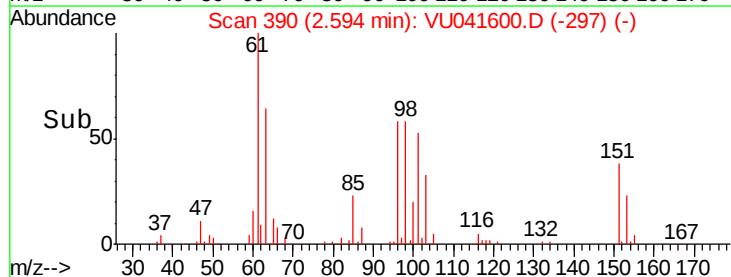
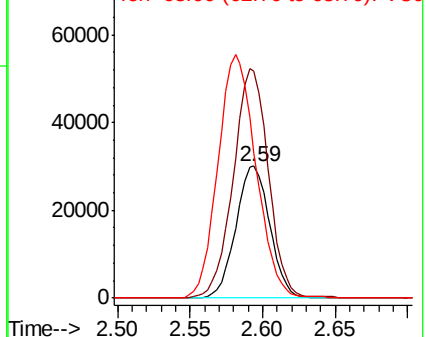
63 109.9 81.0 150.4

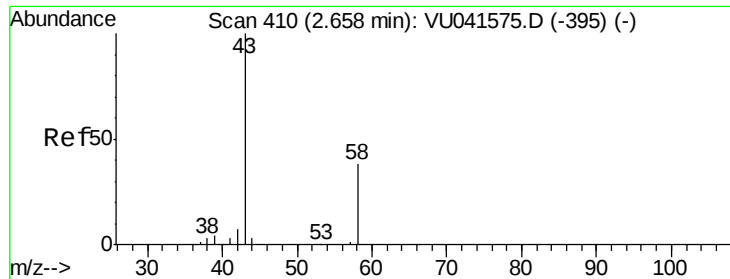


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.875 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU041600.D

Acq: 13 Dec 2020 04:41

Instrument :

MSVOA_U

ClientSampleId :

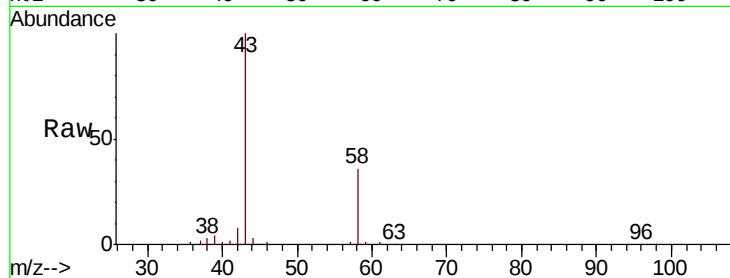
VSTD00513

Tot Ion: 43 Resp: 101944

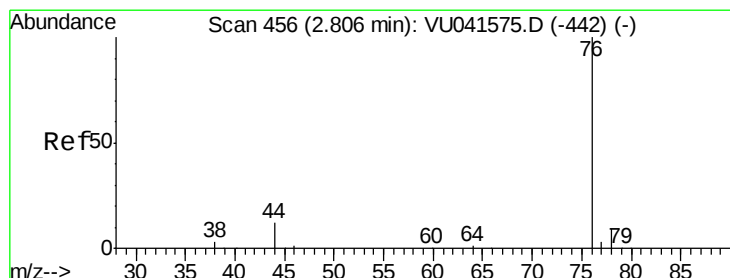
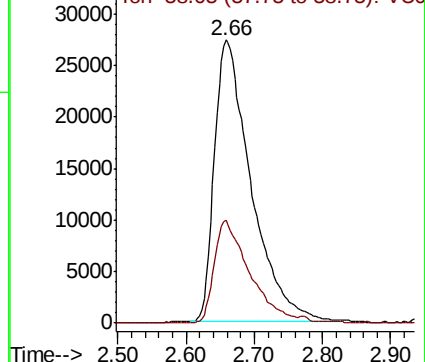
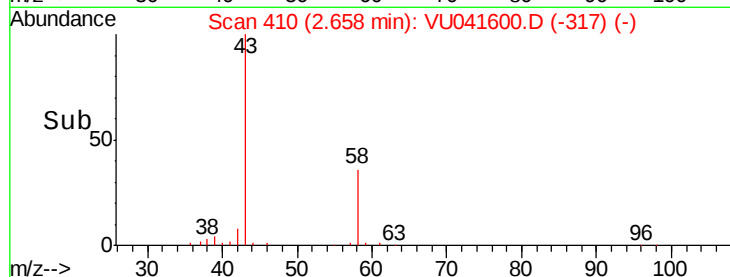
Ion Ratio Lower Upper

43 100

58 35.0 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU041600.D (-317) (-)



#14

Carbon disulfide

Concen: 5.142 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041600.D

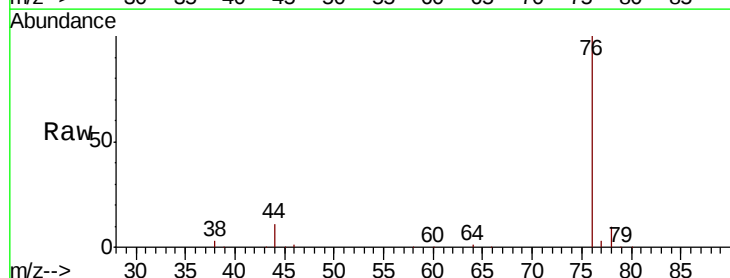
Acq: 13 Dec 2020 04:41

Tgt Ion: 76 Resp: 169099

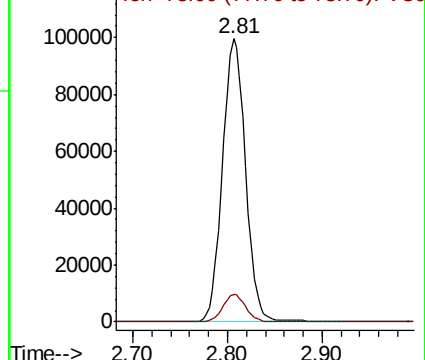
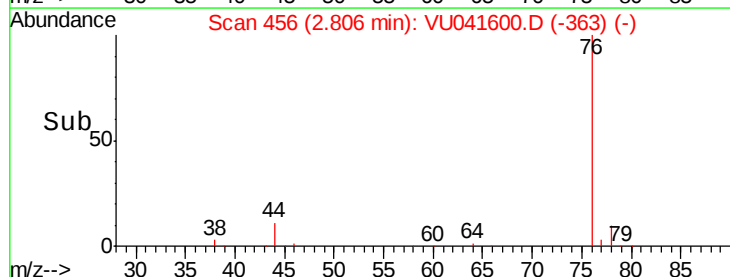
Ion Ratio Lower Upper

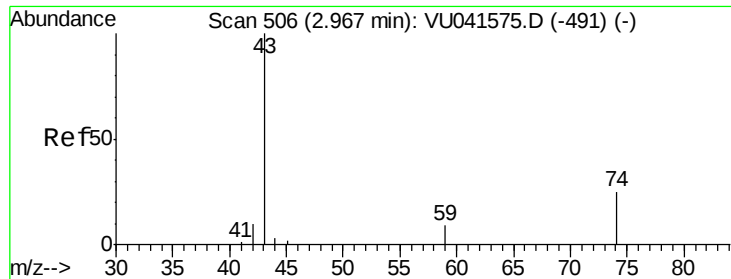
76 100

78 9.8 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU041600.D (-363) (-)

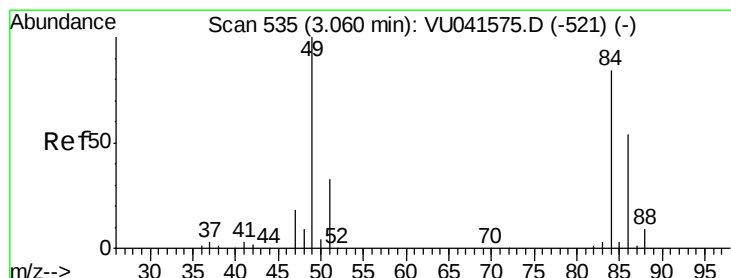
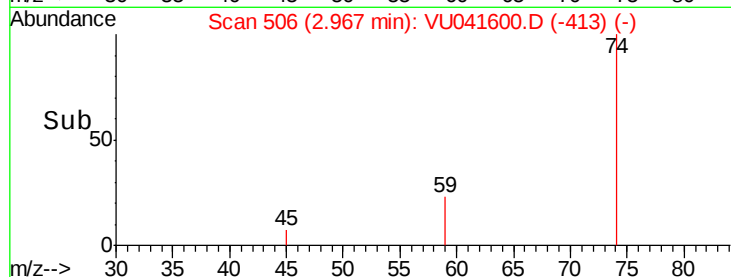
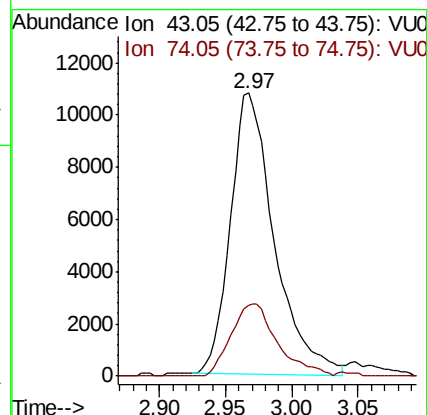
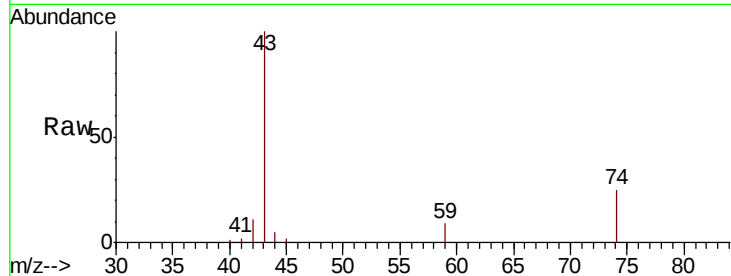




#15
Methvl Acetate
Concen: 4.759 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.00 min
Lab File: VU041600.D
Acq: 13 Dec 2020 04:41

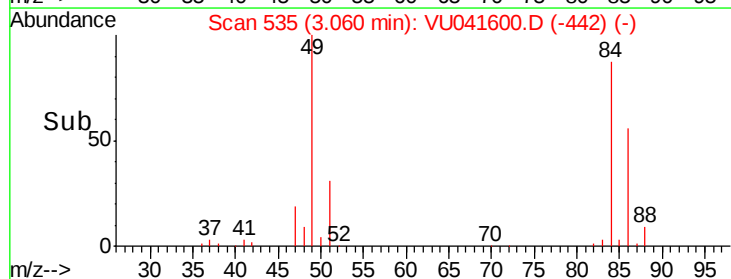
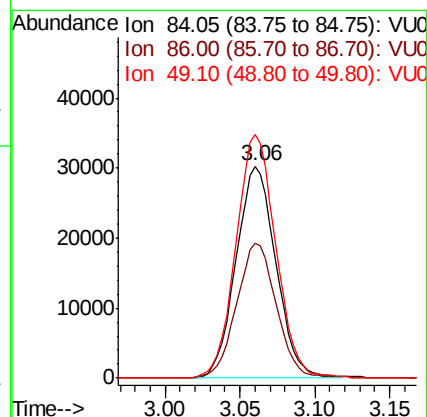
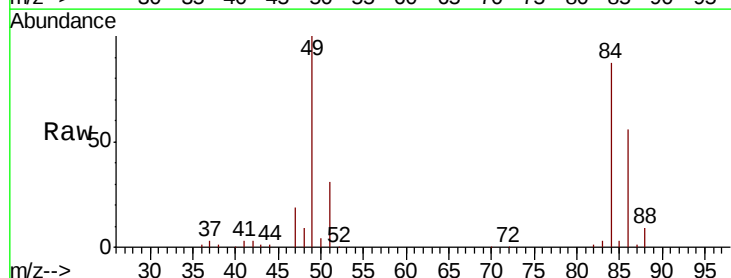
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

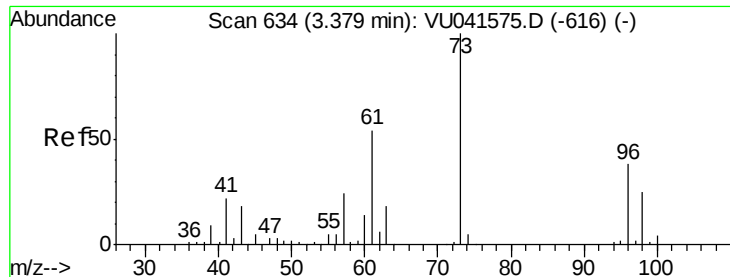
Tot Ion: 43 Resp: 24790
Ion Ratio Lower Upper
43 100
74 27.1 19.2 28.8



#16
Methylene chloride
Concen: 4.942 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU041600.D
Acq: 13 Dec 2020 04:41

Tgt Ion: 84 Resp: 56169
Ion Ratio Lower Upper
84 100
86 63.9 45.1 83.7
49 115.0 83.1 154.3

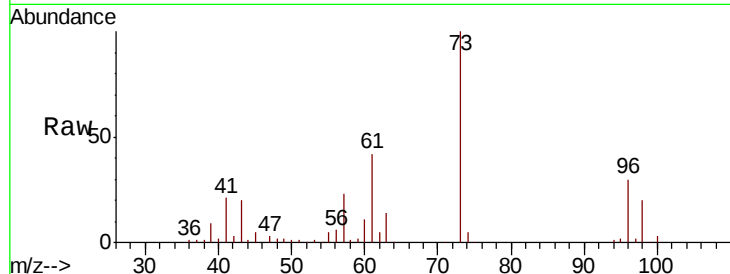




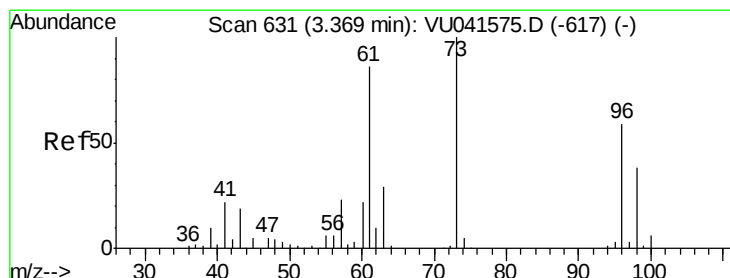
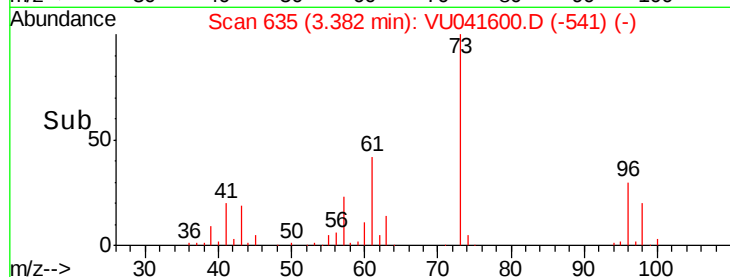
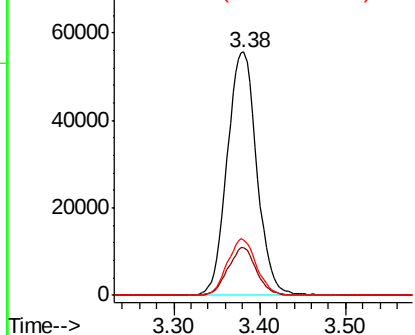
#17
Methvl tert-butvl Ether
Concen: 5.238 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU041600.D
Acq: 13 Dec 2020 04:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

Tot Ion: 73 Resp: 133006
Ion Ratio Lower Upper
73 100
43 18.9 14.7 22.1
57 22.8 18.2 27.4

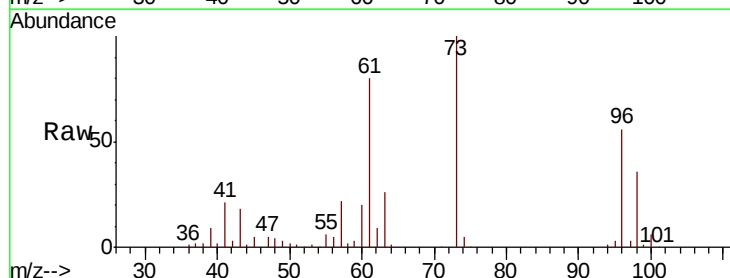


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

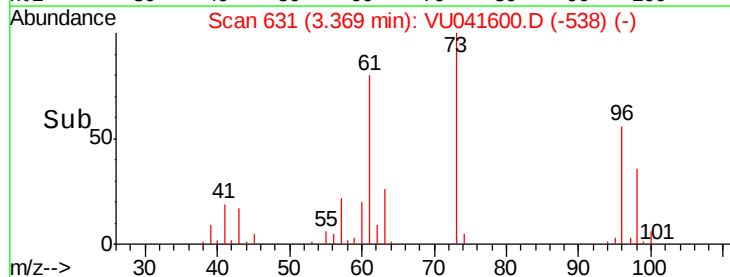
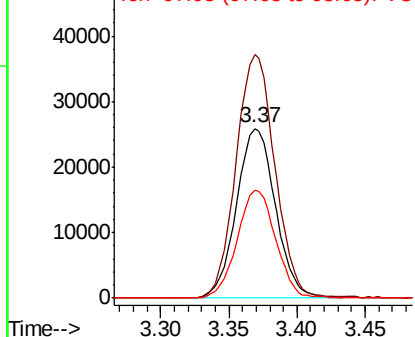


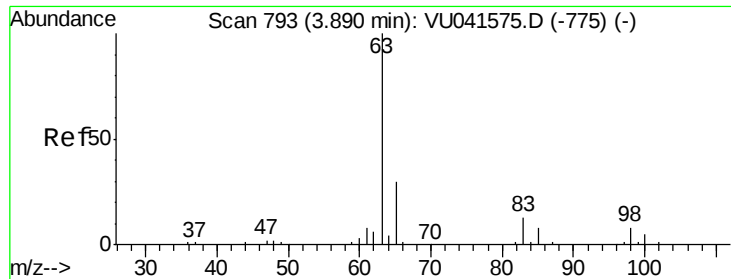
#18
trans-1,2-Dichloroethene
Concen: 5.216 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU041600.D
Acq: 13 Dec 2020 04:41

Tgt Ion: 96 Resp: 51340
Ion Ratio Lower Upper
96 100
61 143.4 101.8 189.0
98 63.6 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

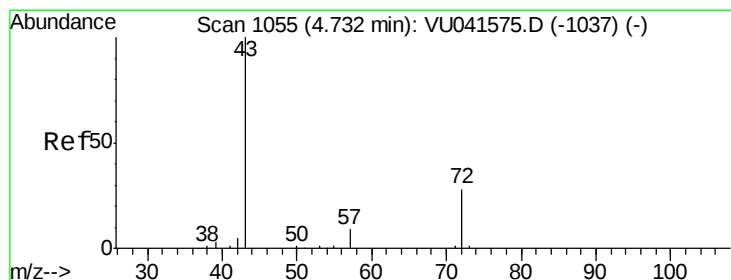
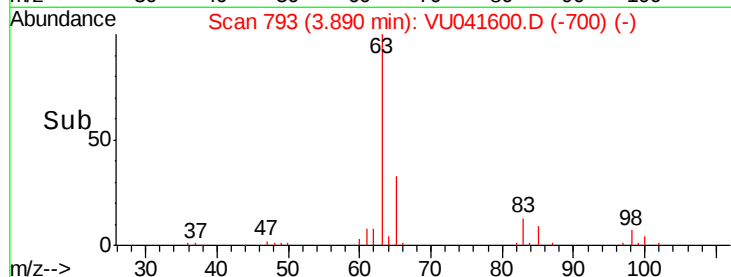
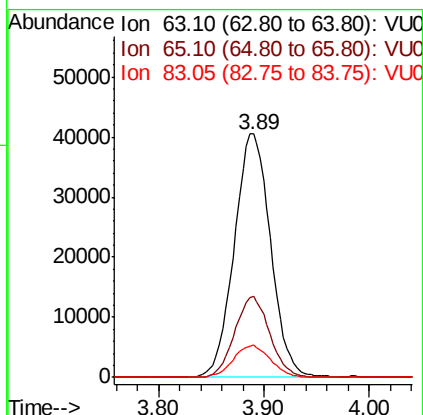
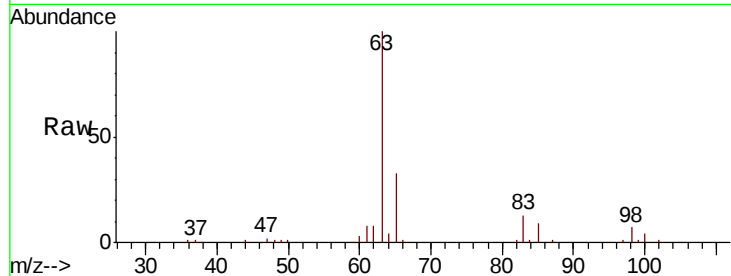




#19
 1,1-Dichloroethane
 Concen: 5.265 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU041600.D
 Acq: 13 Dec 2020 04:41

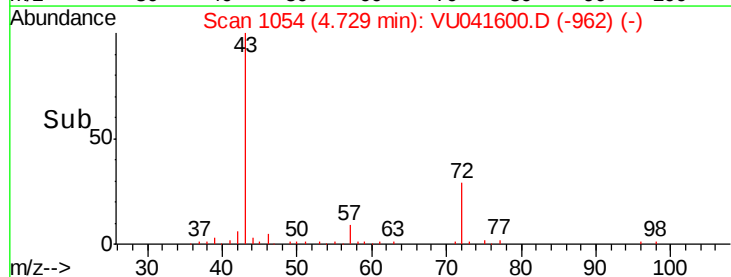
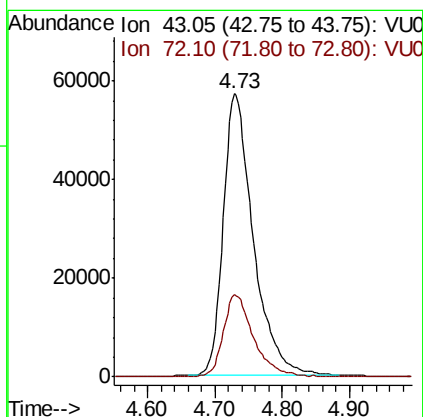
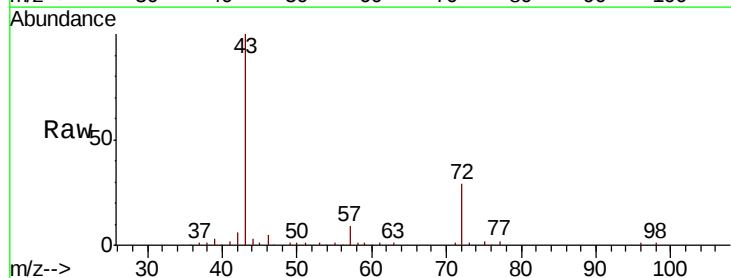
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

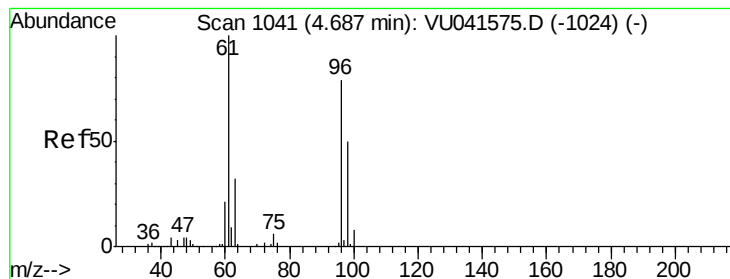
Tot Ion: 63 Resp: 96865
 Ion Ratio Lower Upper
 63 100
 65 33.1 21.3 39.6
 83 13.1 9.3 17.3



#21
 2-Butanone
 Concen: 54.177 ug/L
 RT: 4.73 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VU041600.D
 Acq: 13 Dec 2020 04:41

Tgt Ion: 43 Resp: 176829
 Ion Ratio Lower Upper
 43 100
 72 29.6 14.6 44.0





#22

cis-1,2-Dichloroethene

Concen: 5.173 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU041600.D

Acq: 13 Dec 2020 04:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

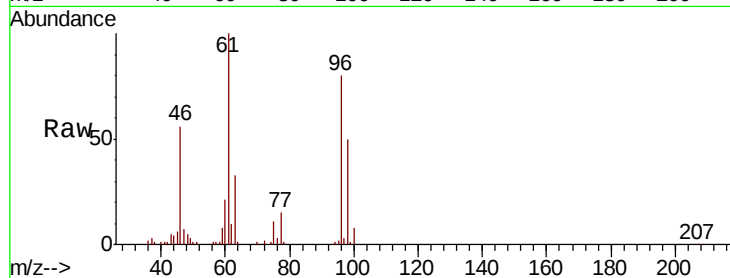
Tot Ion: 96 Resp: 56275

Ion Ratio Lower Upper

96 100

61 125.7 88.8 165.0

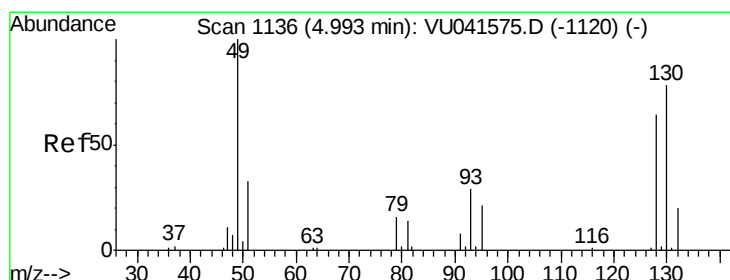
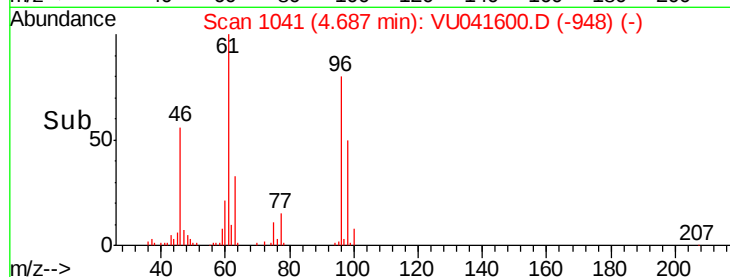
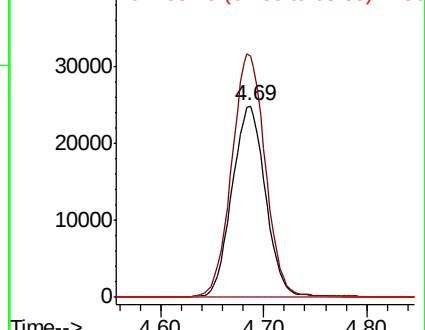
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.266 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU041600.D

Acq: 13 Dec 2020 04:41

Tgt Ion: 128 Resp: 26318

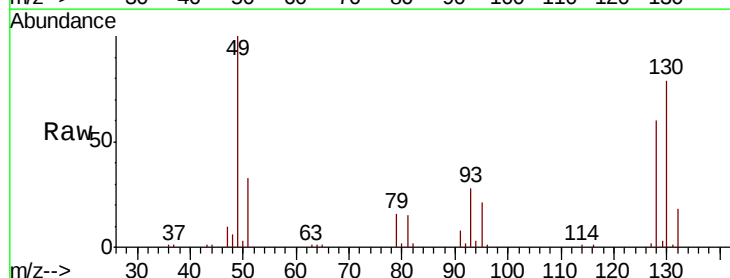
Ion Ratio Lower Upper

128 100

49 166.1 109.3 203.1

130 132.0 84.8 157.6

51 54.6 40.6 61.0

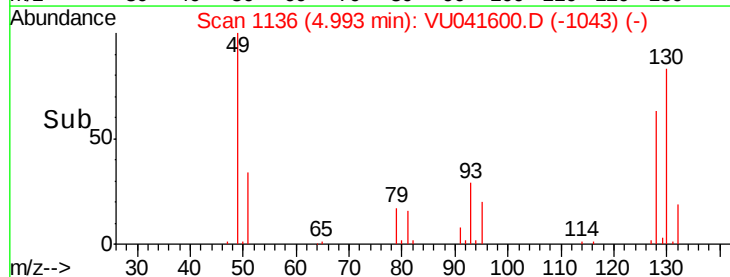
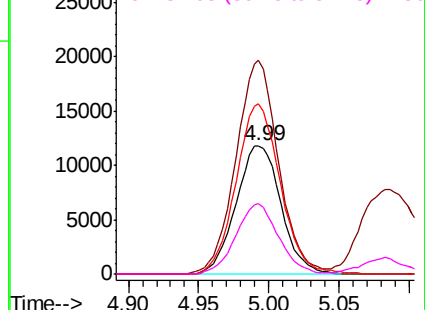


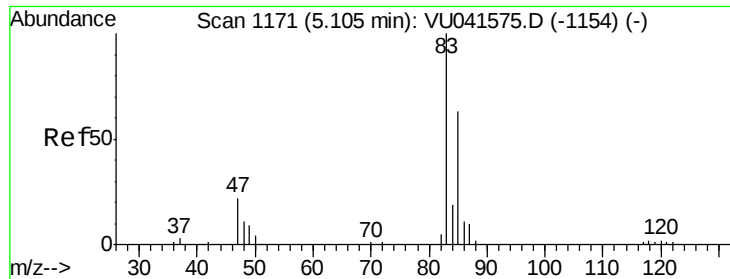
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

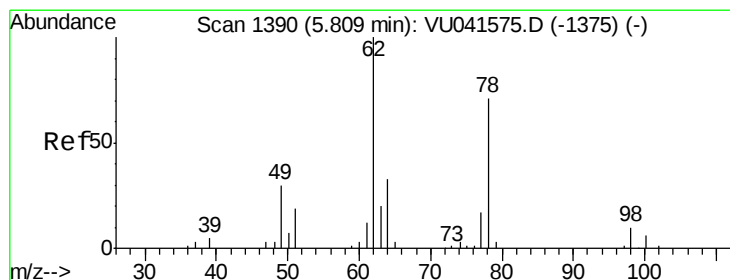
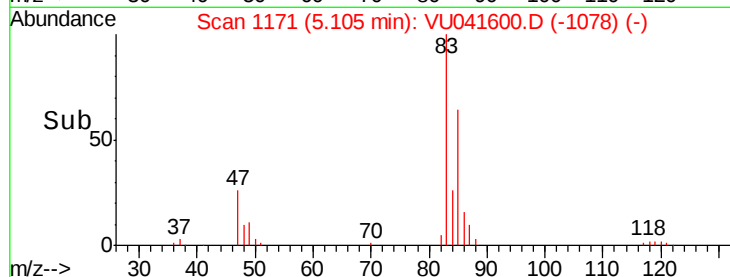
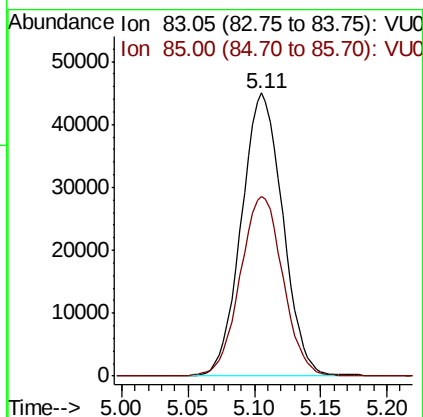
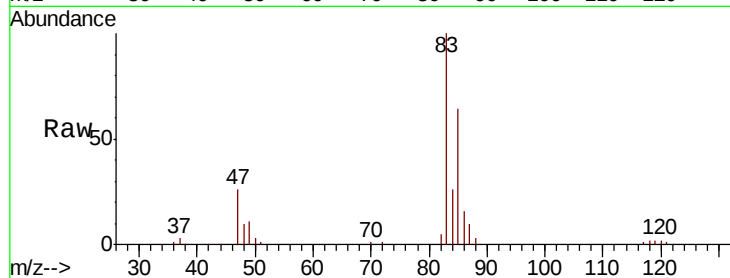




#25
Chloroform
Concen: 5.273 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041600.D
Acq: 13 Dec 2020 04:41

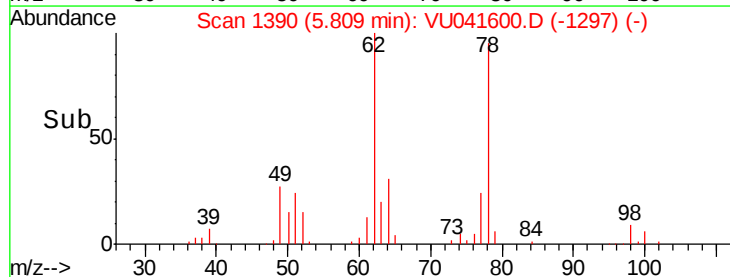
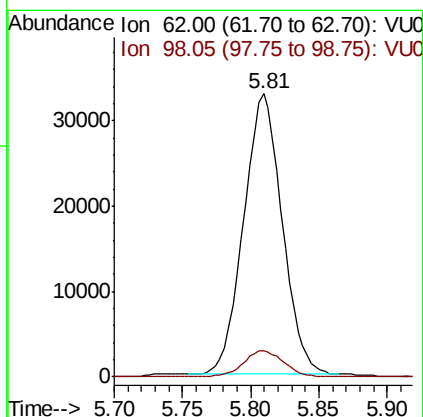
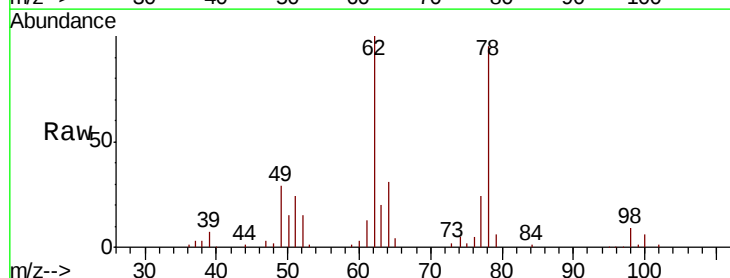
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

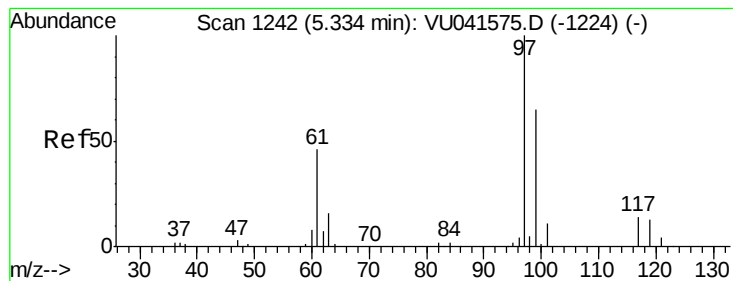
Tot Ion: 83 Resp: 97692
Ion Ratio Lower Upper
83 100
85 63.7 44.2 82.0



#27
1,2-Dichloroethane
Concen: 5.150 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU041600.D
Acq: 13 Dec 2020 04:41

Tgt Ion: 62 Resp: 64612
Ion Ratio Lower Upper
62 100
98 9.1 8.2 12.2





#29

1,1,1-Trichloroethane

Concen: 5.426 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VU041600.D

Acq: 13 Dec 2020 04:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

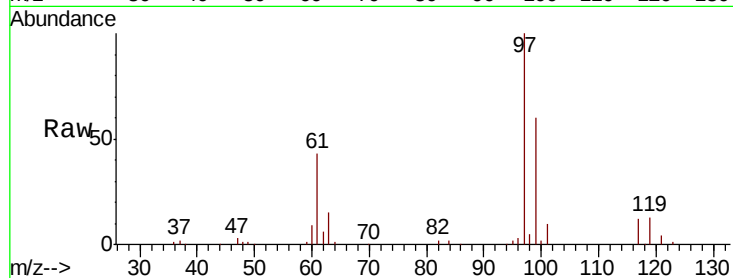
Tot Ion: 97 Resp: 82625

Ion Ratio Lower Upper

97 100

99 62.7 51.3 76.9

61 45.3 36.5 54.7

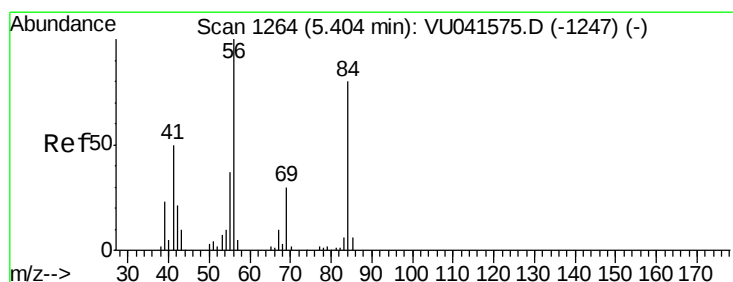
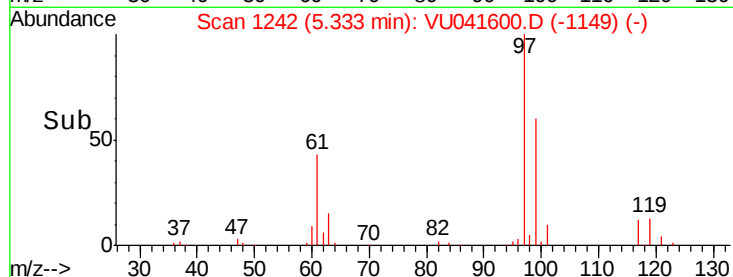
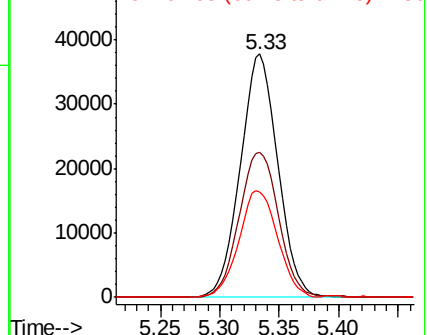


Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 5.062 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VU041600.D

Acq: 13 Dec 2020 04:41

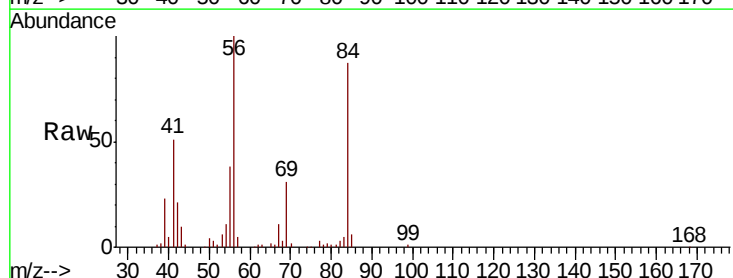
Tgt Ion: 56 Resp: 86397

Ion Ratio Lower Upper

56 100

69 30.4 23.8 35.8

84 86.1 66.2 99.4

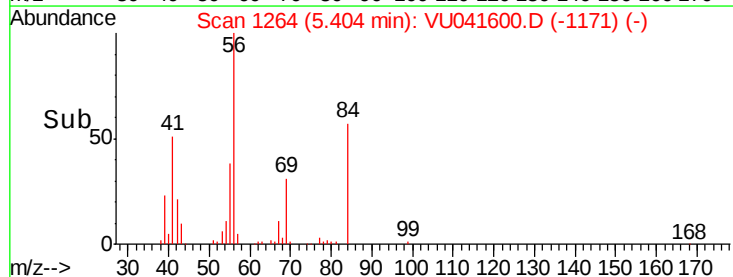
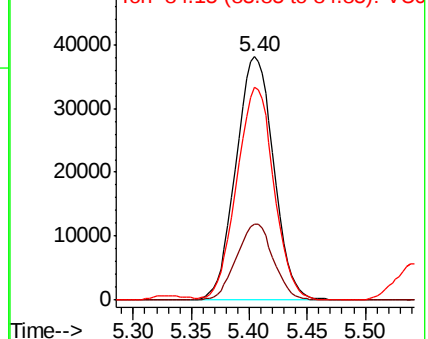


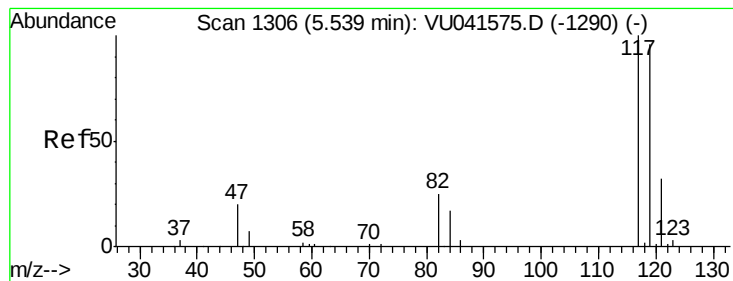
Abundance

Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.445 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU041600.D

Acq: 13 Dec 2020 04:41

Instrument :

MSVOA_U

ClientSampleId :

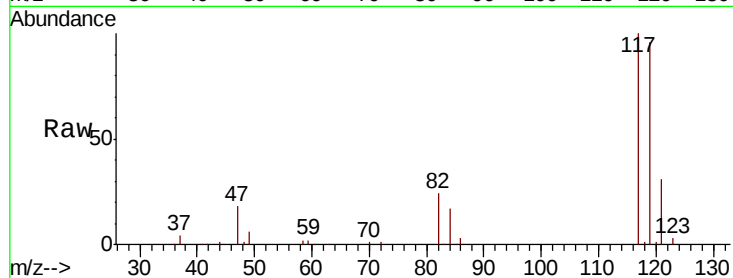
VSTD00513

Tot Ion:117 Resp: 71705

Ion Ratio Lower Upper

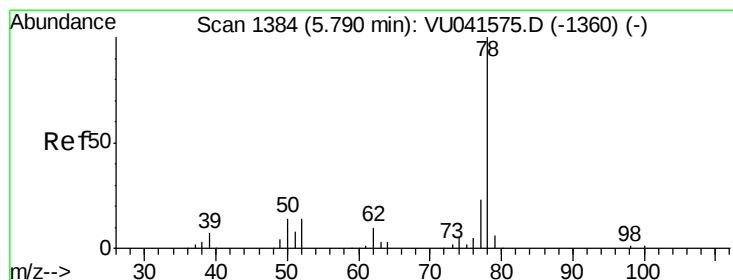
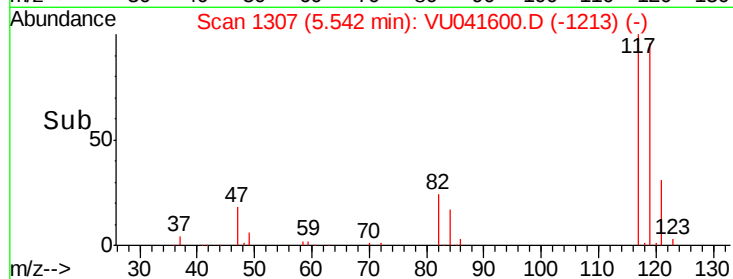
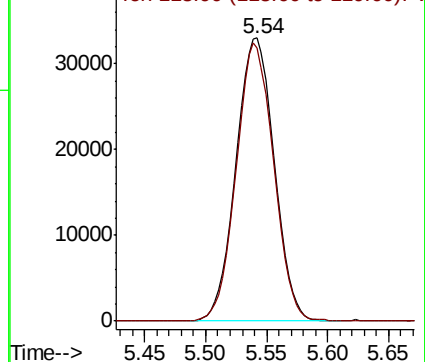
117 100

119 96.0 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.215 ug/L

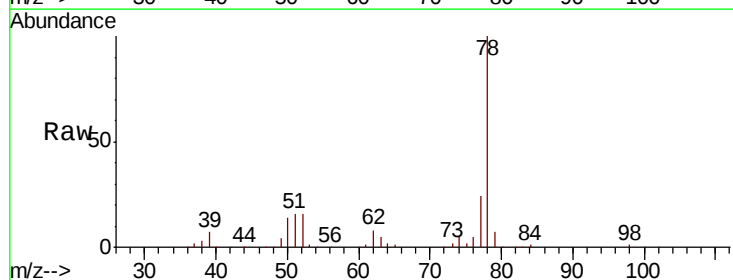
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

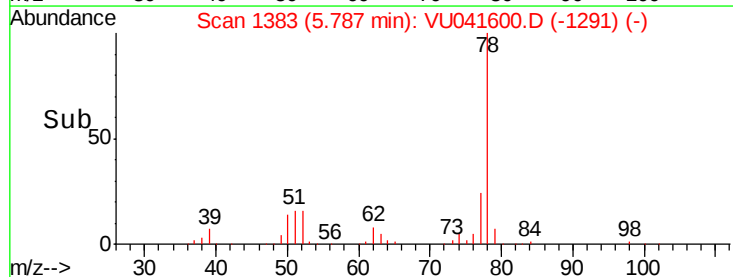
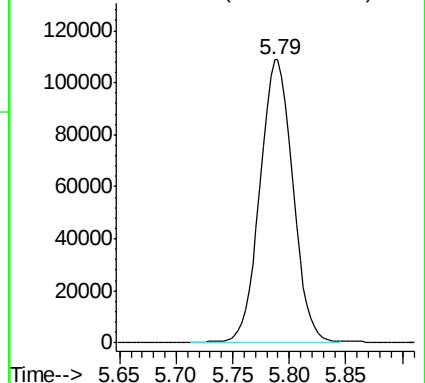
Lab File: VU041600.D

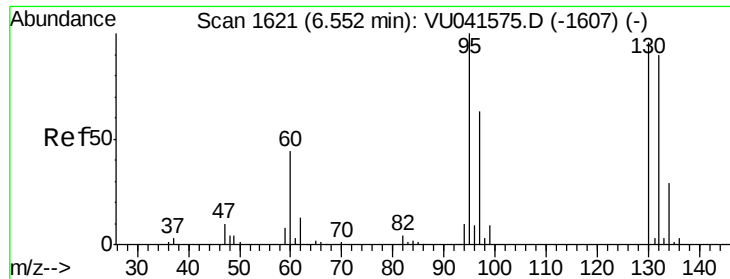
Acq: 13 Dec 2020 04:41

Tgt Ion: 78 Resp: 221190



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.317 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041600.D

Acq: 13 Dec 2020 04:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

Tot Ion: 95 Resp: 56667

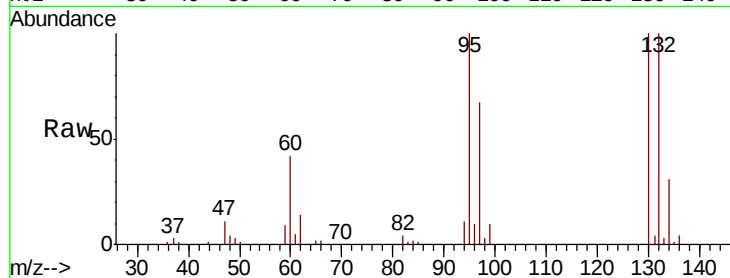
Ion Ratio Lower Upper

95 100

97 67.0 43.9 81.5

132 100.3 63.1 117.3

130 100.2 67.4 125.2

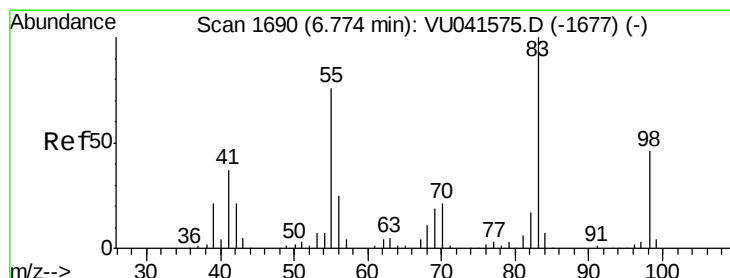
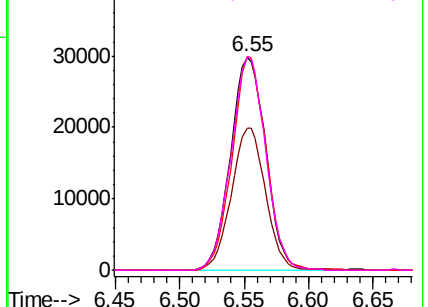
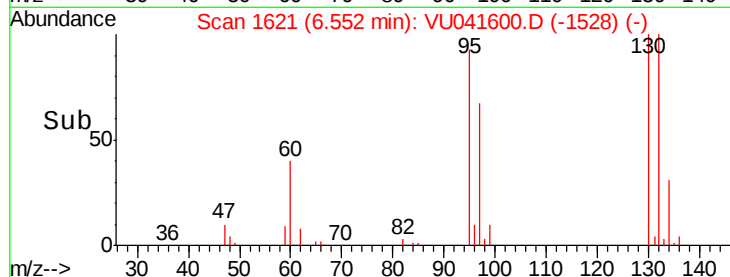


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.210 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU041600.D

Acq: 13 Dec 2020 04:41

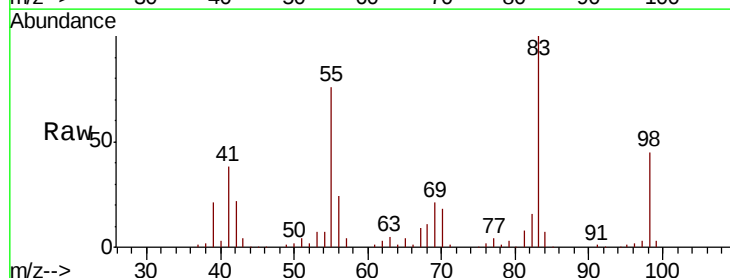
Tgt Ion: 83 Resp: 89747

Ion Ratio Lower Upper

83 100

55 76.7 61.2 91.8

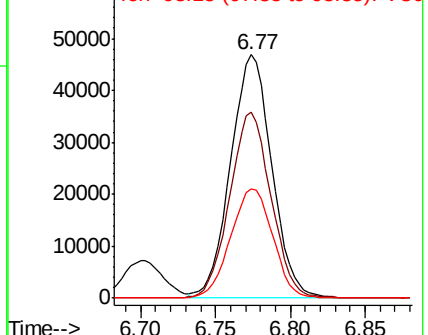
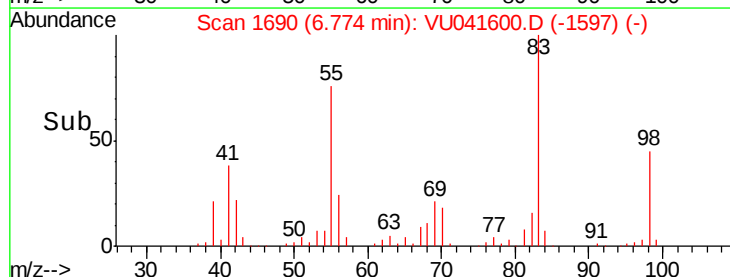
98 46.1 36.6 54.8

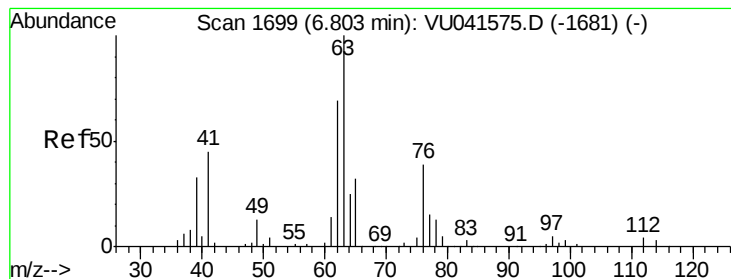


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.250 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VU041600.D

Acq: 13 Dec 2020 04:41

Instrument :

MSVOA_U

ClientSampleId :

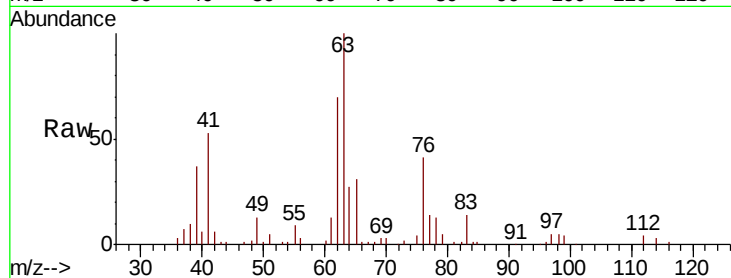
VSTD00513

Tot Ion: 63 Resp: 56951

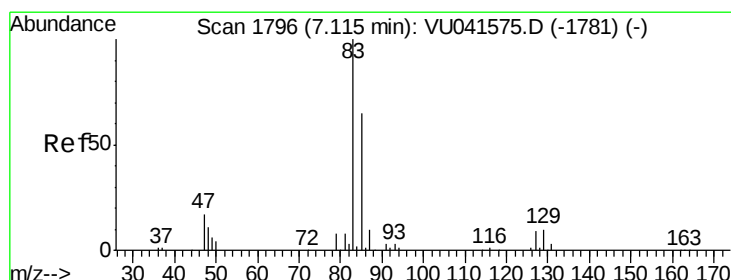
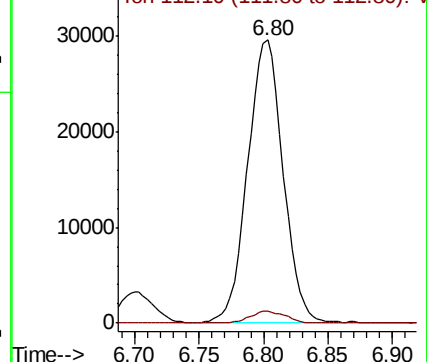
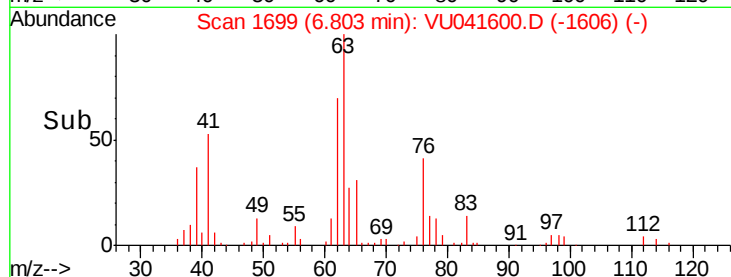
Ion Ratio Lower Upper

63 100

112 4.0 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VU041575.D (-1681) (-)



#38

Bromodichloromethane

Concen: 5.249 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU041600.D

Acq: 13 Dec 2020 04:41

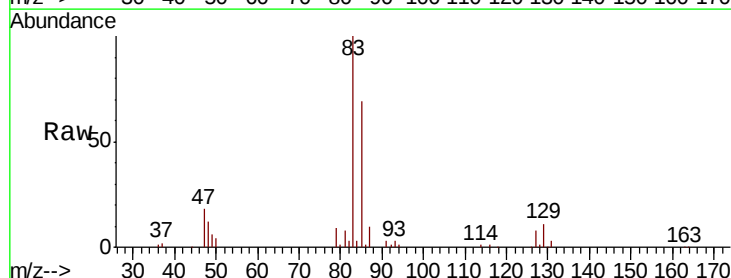
Tgt Ion: 83 Resp: 70838

Ion Ratio Lower Upper

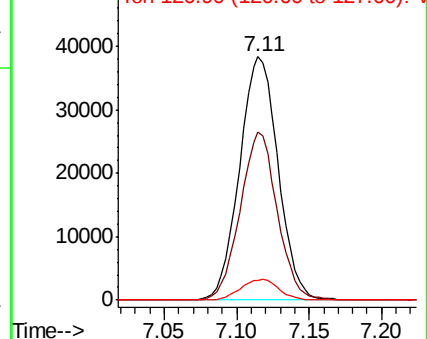
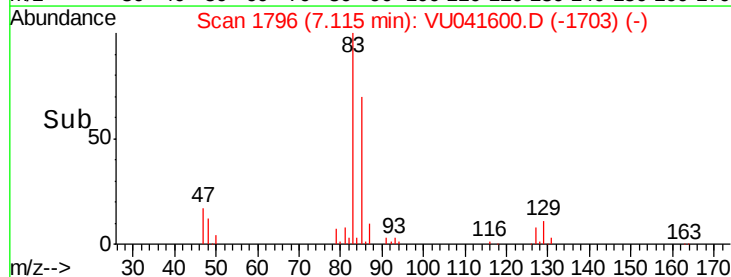
83 100

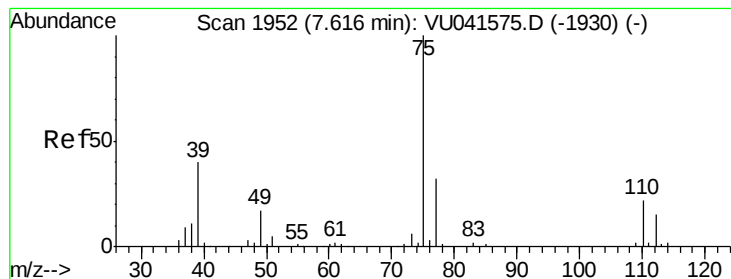
85 69.0 45.5 84.5

127 8.2 7.0 10.6



Abundance Ion 82.95 (82.65 to 83.65): VU041575.D (-1781) (-)



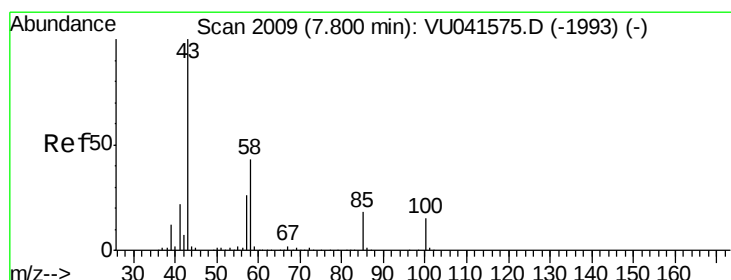
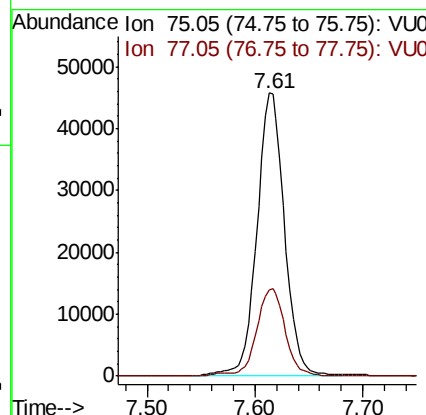
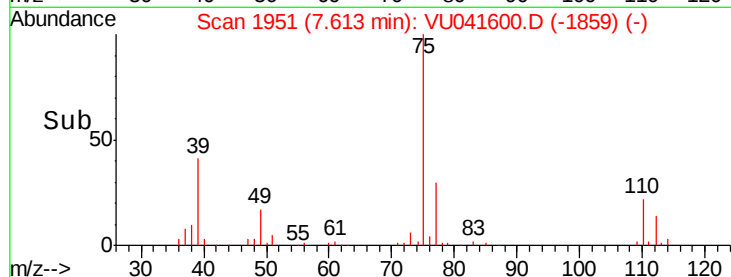
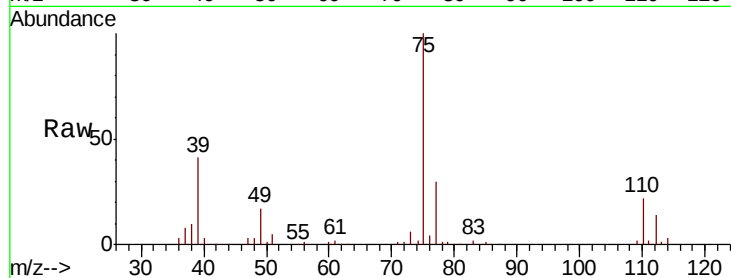


#39

cis-1,3-Dichloropropene
 Concen: 5.041 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041600.D
 Acq: 13 Dec 2020 04:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

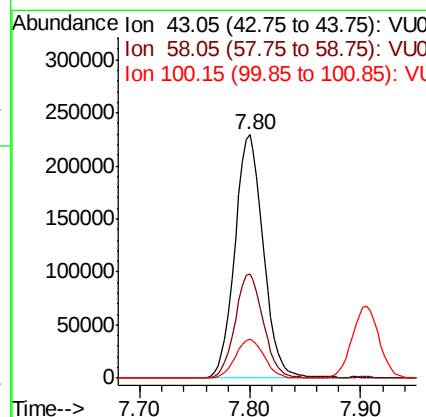
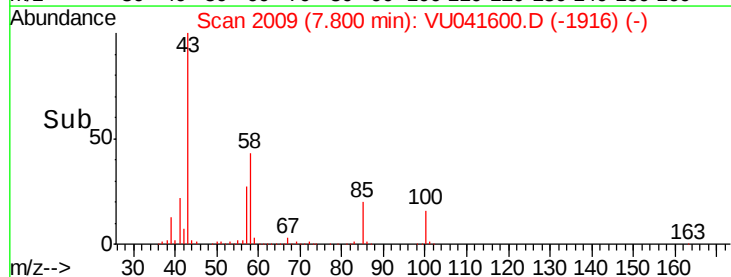
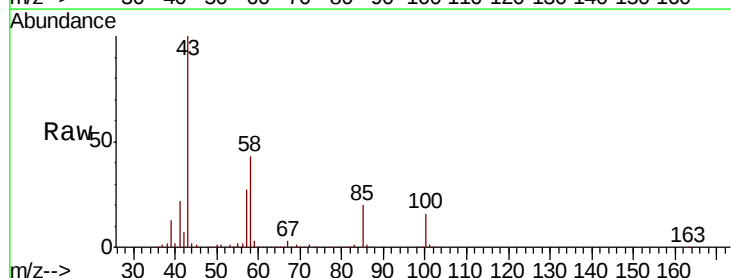
Tot Ion: 75 Resp: 81036
 Ion Ratio Lower Upper
 75 100
 77 30.3 22.3 41.3

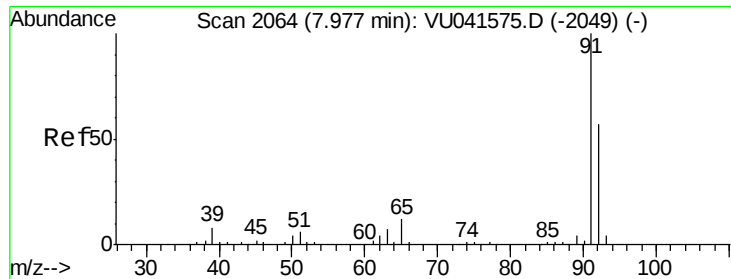


#40

4-Methyl-2-pentanone
 Concen: 53.219 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU041600.D
 Acq: 13 Dec 2020 04:41

Tgt Ion: 43 Resp: 410804
 Ion Ratio Lower Upper
 43 100
 58 42.5 34.2 51.2
 100 16.1 12.3 18.5





#42

Toluene

Concen: 5.395 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU041600.D

Acq: 13 Dec 2020 04:41

Instrument :

MSVOA_U

ClientSampleId :

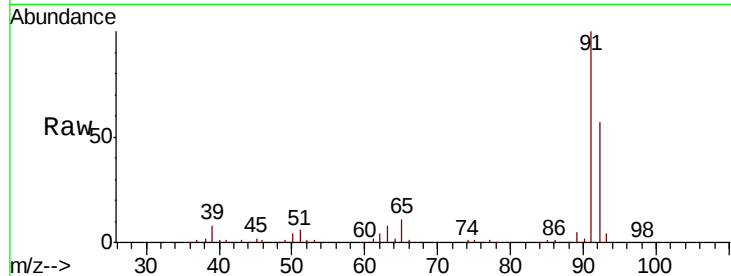
VSTD00513

Tot Ion: 91 Resp: 236247

Ion Ratio Lower Upper

91 100

92 57.2 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU041575.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041575.D (-2049) (-)

7.98

150000

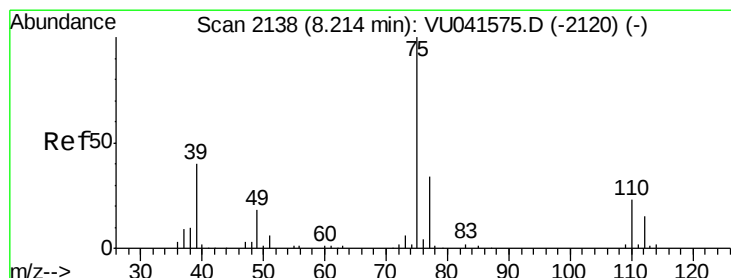
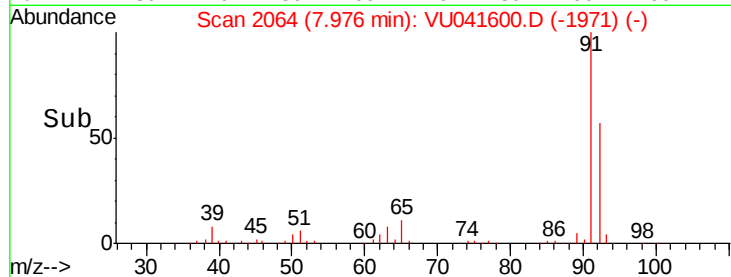
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.299 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041600.D

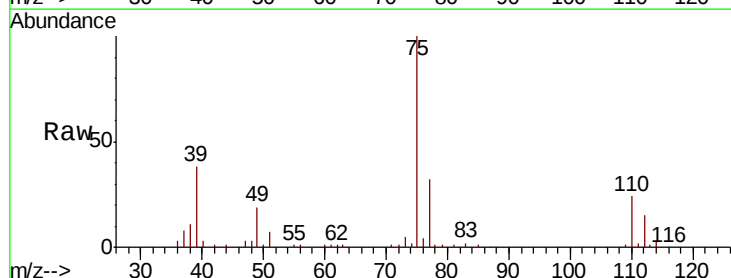
Acq: 13 Dec 2020 04:41

Tgt Ion: 75 Resp: 76177

Ion Ratio Lower Upper

75 100

77 32.3 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU041575.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU041575.D (-2120) (-)

8.21

50000

40000

30000

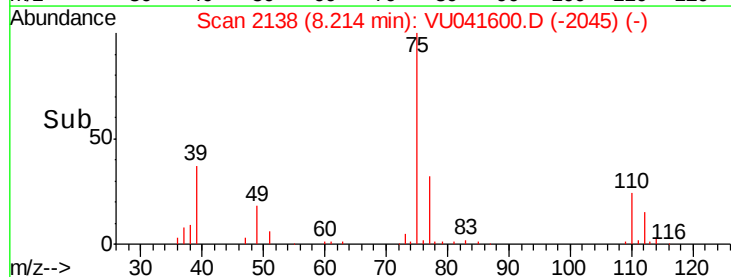
20000

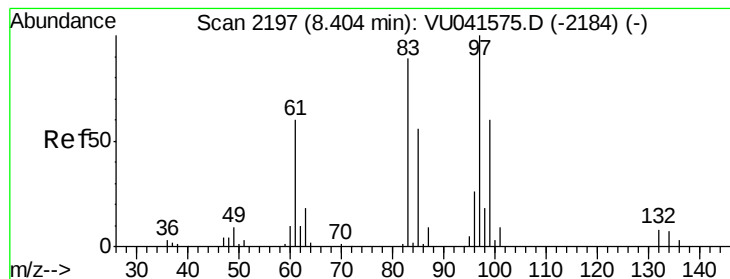
10000

0

8.10 8.15 8.20 8.25 8.30

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.598 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU041600.D

Acq: 13 Dec 2020 04:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

Tot Ion: 97 Resp: 44907

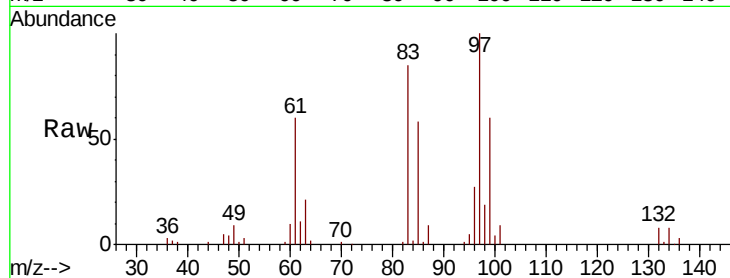
Ion Ratio Lower Upper

97 100

99 60.3 42.1 78.3

83 85.5 62.6 116.2

85 57.9 39.1 72.7

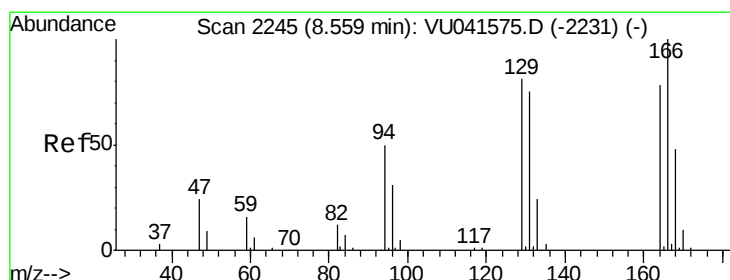
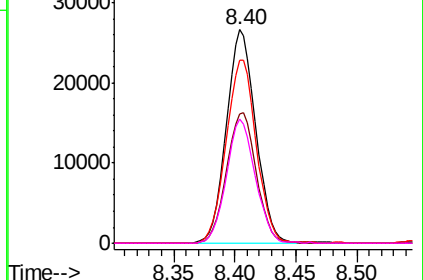
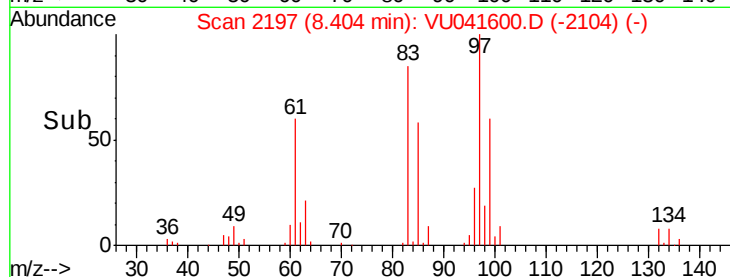


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 5.603 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041600.D

Acq: 13 Dec 2020 04:41

Tgt Ion: 164 Resp: 41797

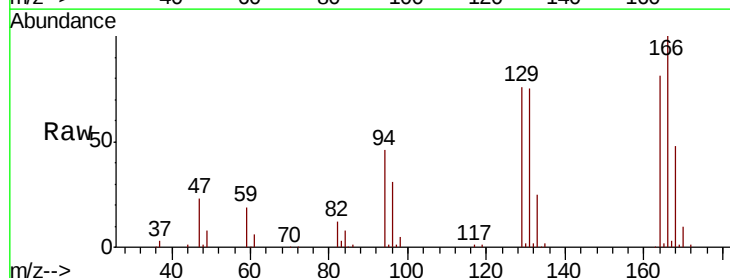
Ion Ratio Lower Upper

164 100

129 94.7 72.2 134.0

131 92.8 66.9 124.3

166 124.1 89.6 166.4

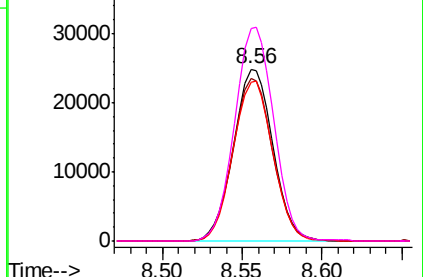
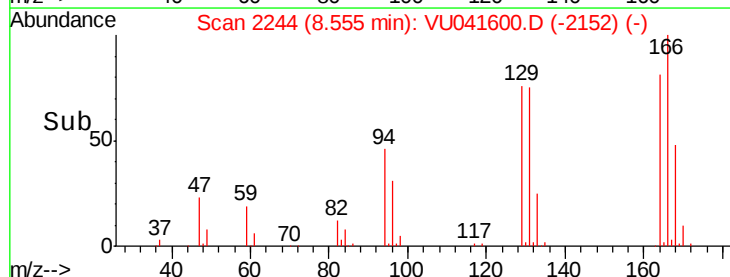


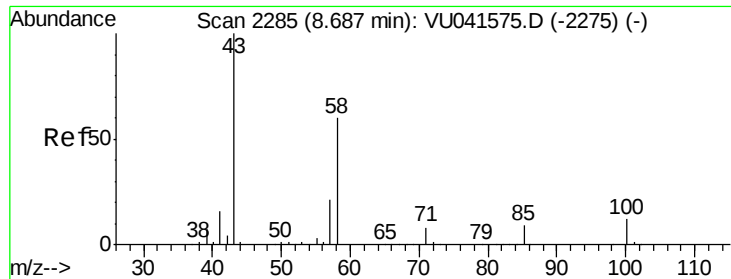
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

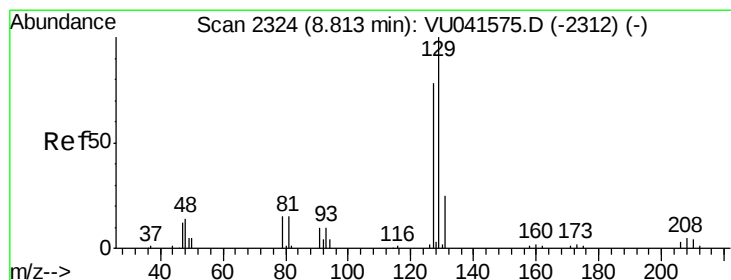
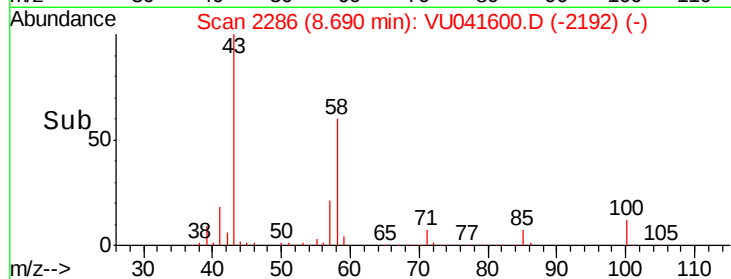
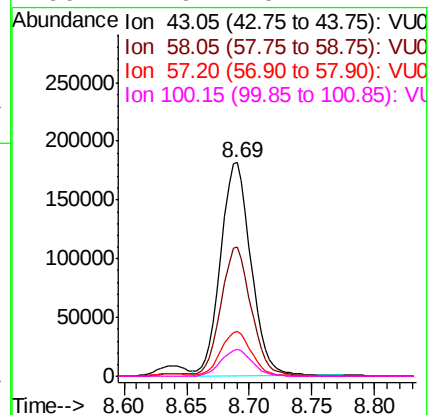
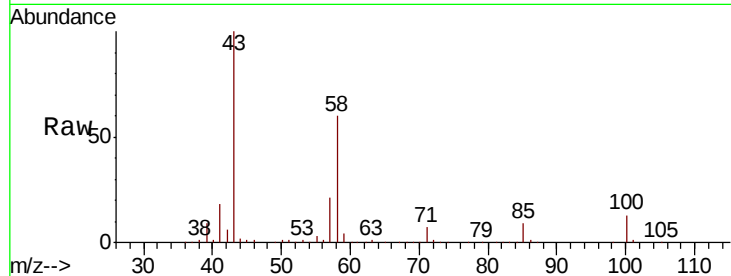




#48
2-Hexanone
Concen: 54.546 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041600.D
Acq: 13 Dec 2020 04:41

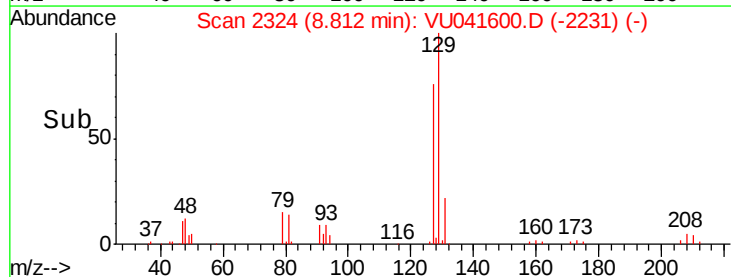
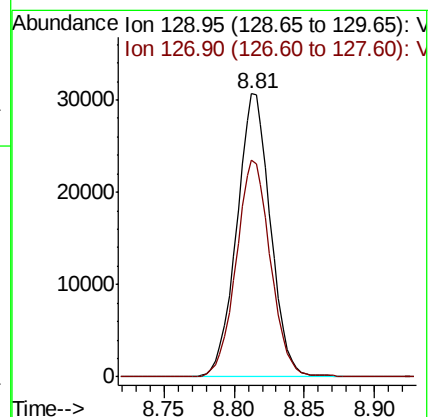
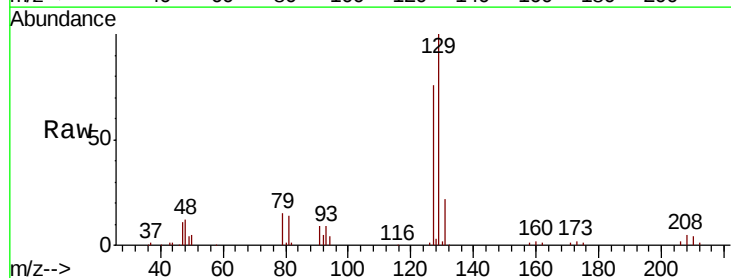
Instrument :
MSVOA_U
ClientSampled :
VSTD00513

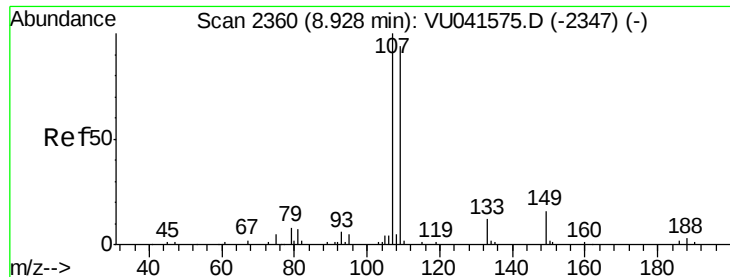
Tot Ion: 43 Resp: 306424
Ion Ratio Lower Upper
43 100
58 60.3 47.9 71.9
57 21.2 16.5 24.7
100 12.9 9.4 14.2



#49
Dibromochloromethane
Concen: 5.564 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041600.D
Acq: 13 Dec 2020 04:41

Tgt Ion: 129 Resp: 51269
Ion Ratio Lower Upper
129 100
127 76.4 54.7 101.7

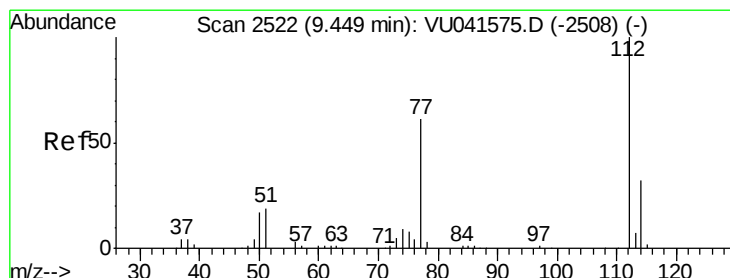
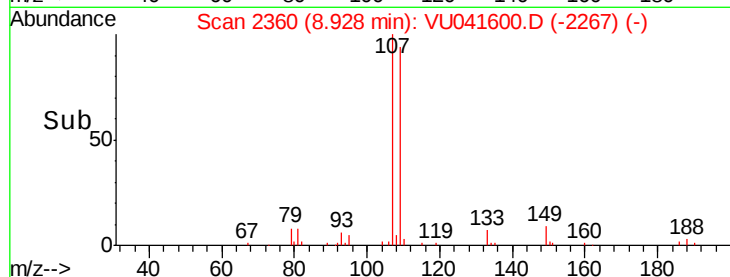
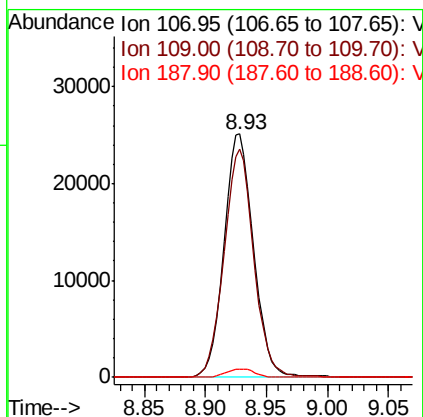
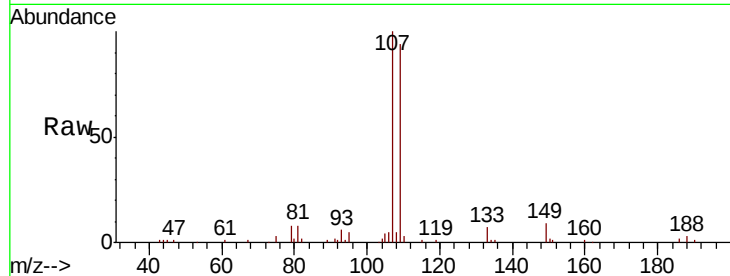




#50
1,2-Dibromoethane
Concen: 5.374 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU041600.D
Acq: 13 Dec 2020 04:41

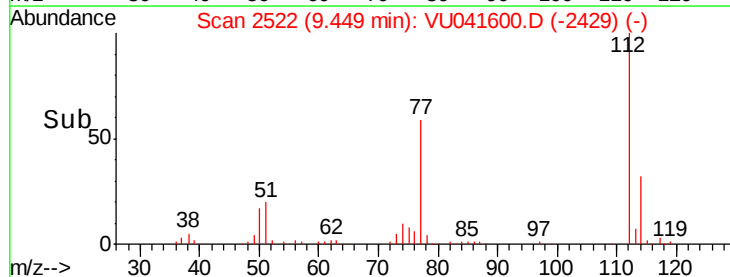
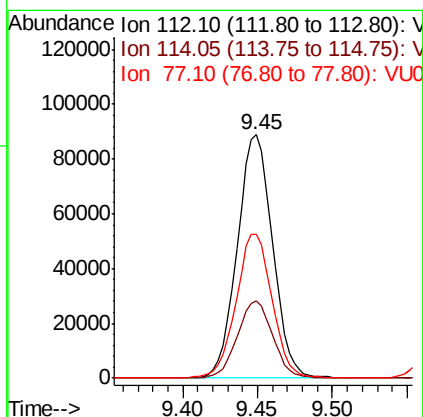
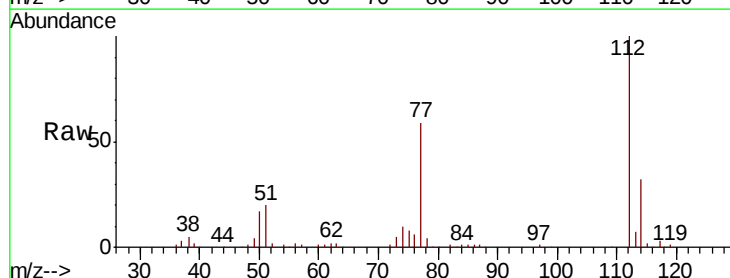
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

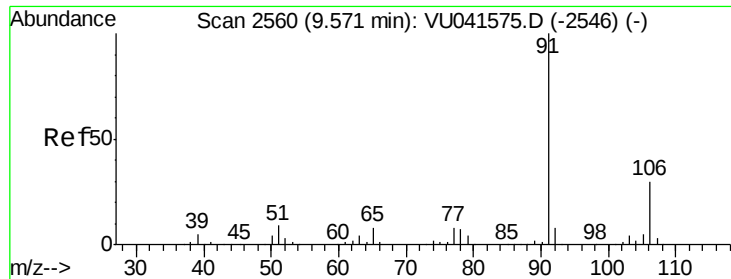
Tot Ion:107 Resp: 42649
Ion Ratio Lower Upper
107 100
109 93.6 65.6 121.8
188 3.3 2.6 4.0



#51
Chlorobenzene
Concen: 5.373 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU041600.D
Acq: 13 Dec 2020 04:41

Tgt Ion:112 Resp: 146232
Ion Ratio Lower Upper
112 100
114 31.8 22.7 42.3
77 59.1 49.1 73.7





#52

Ethylbenzene

Concen: 5.331 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041600.D

Acq: 13 Dec 2020 04:41

Instrument :

MSVOA_U

ClientSampleId :

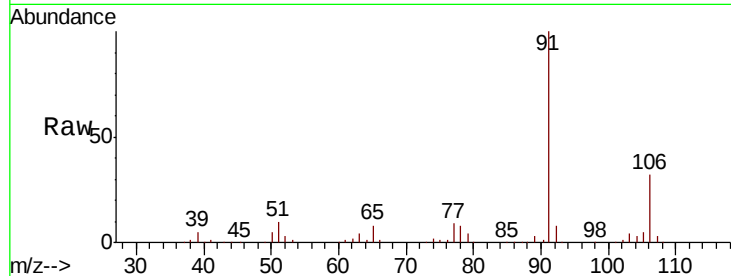
VSTD00513

Tot Ion: 91 Resp: 248556

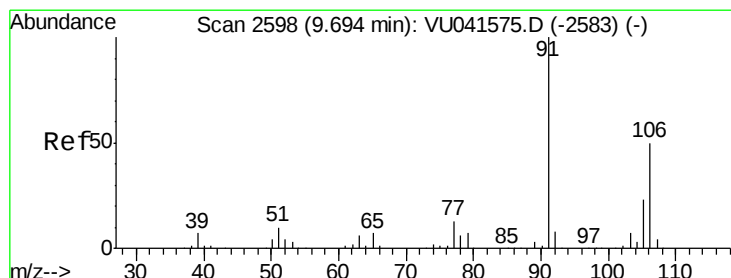
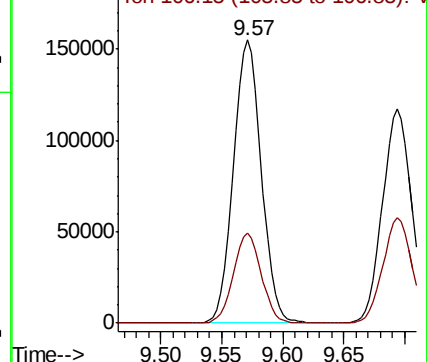
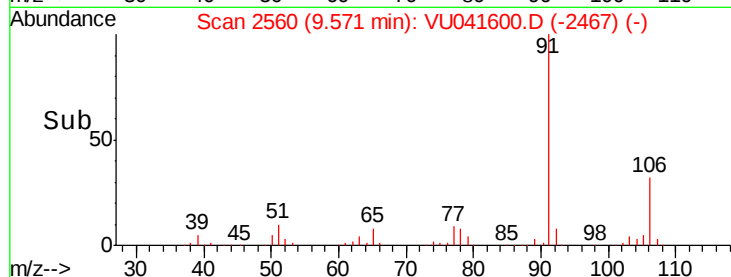
Ion Ratio Lower Upper

91 100

106 31.9 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU041600.D (-2467) (-)



#53

m,p-Xylene

Concen: 5.495 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041600.D

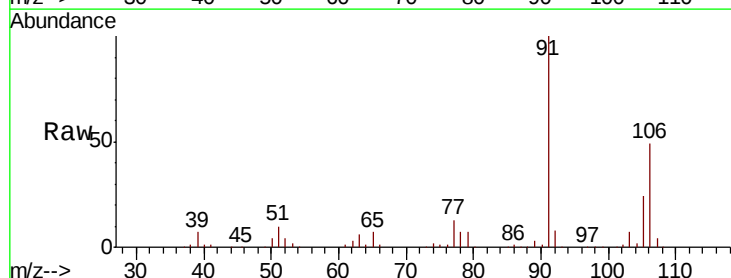
Acq: 13 Dec 2020 04:41

Tgt Ion: 106 Resp: 95554

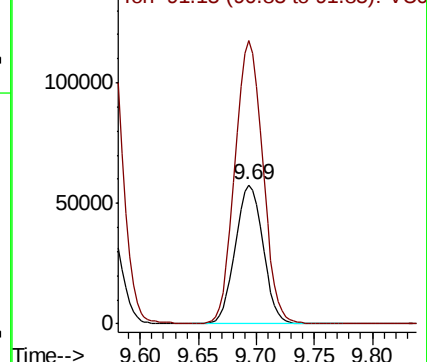
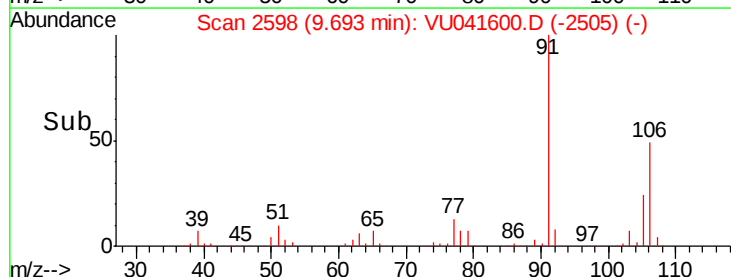
Ion Ratio Lower Upper

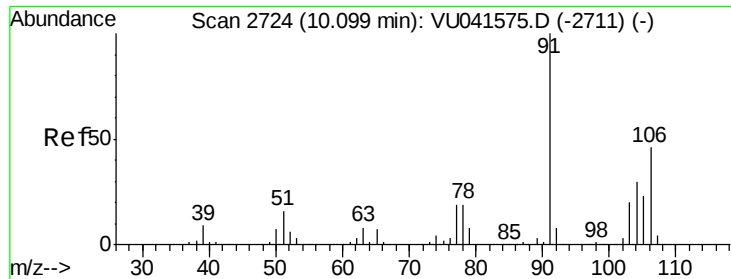
106 100

91 203.7 140.4 260.8



Abundance Ion 106.15 (105.85 to 106.85): VU041600.D (-2505) (-)





#54

o-Xylene

Concen: 5.587 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU041600.D

Acq: 13 Dec 2020 04:41

Instrument :

MSVOA_U

ClientSampleId :

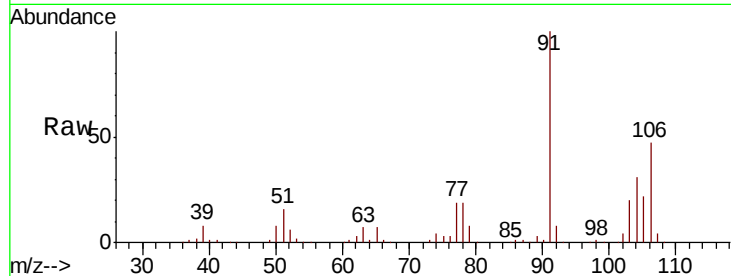
VSTD00513

Tot Ion:106 Resp: 95160

Ion Ratio Lower Upper

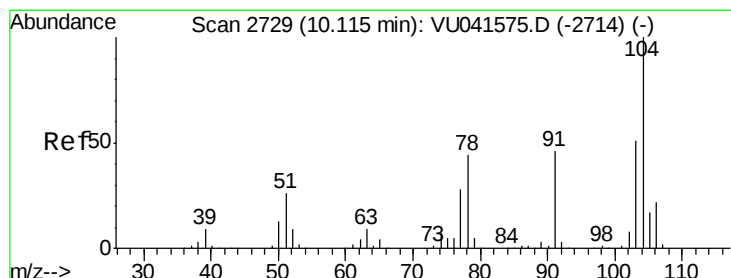
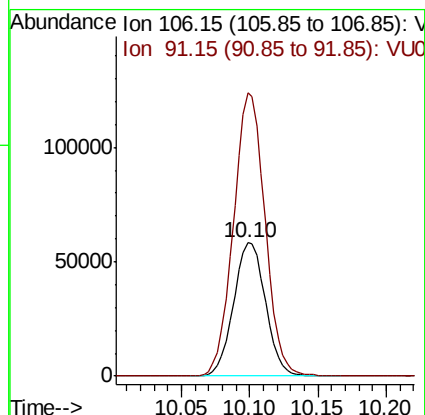
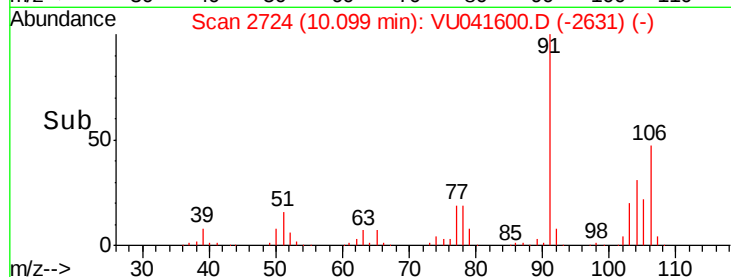
106 100

91 212.4 151.3 281.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.632 ug/L

RT: 10.11 min Scan# 2728

Delta R.T. -0.00 min

Lab File: VU041600.D

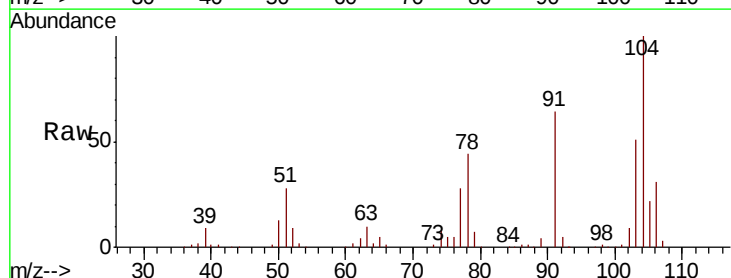
Acq: 13 Dec 2020 04:41

Tgt Ion:104 Resp: 165706

Ion Ratio Lower Upper

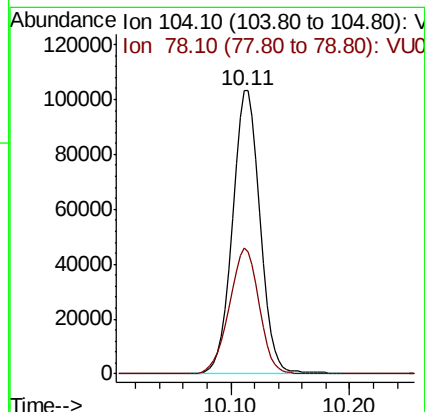
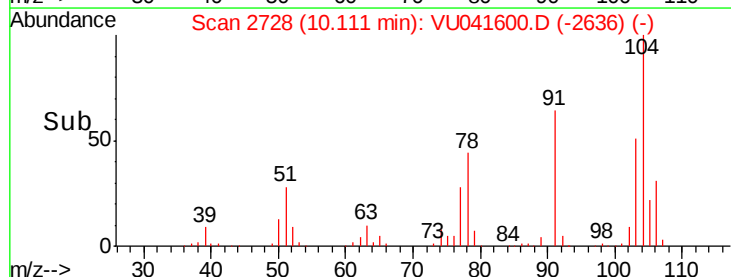
104 100

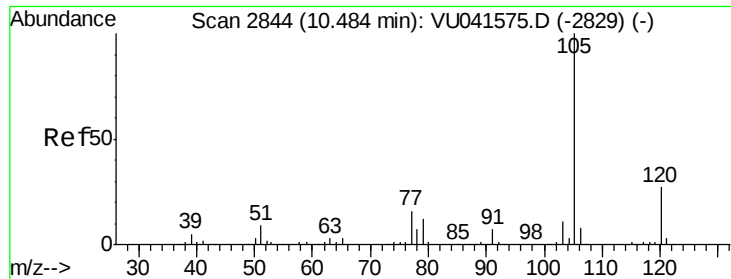
78 44.4 31.1 57.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.550 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041600.D

Acq: 13 Dec 2020 04:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

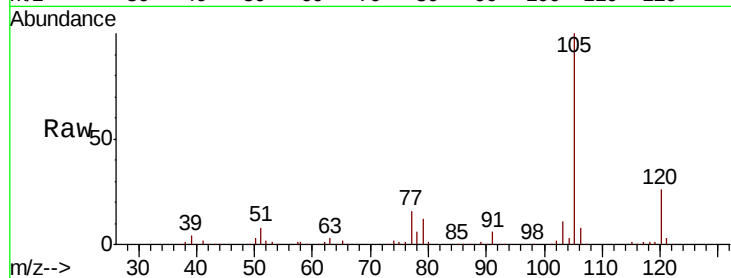
Tot Ion:105 Resp: 251599

Ion Ratio Lower Upper

105 100

120 25.9 20.5 30.7

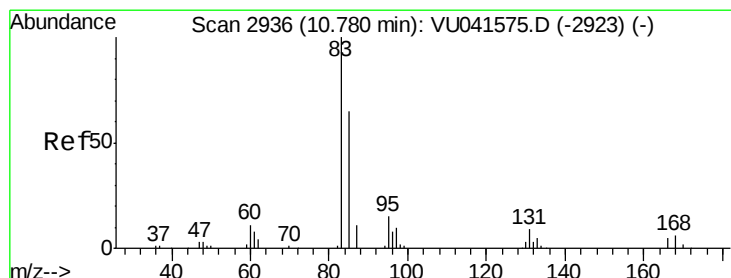
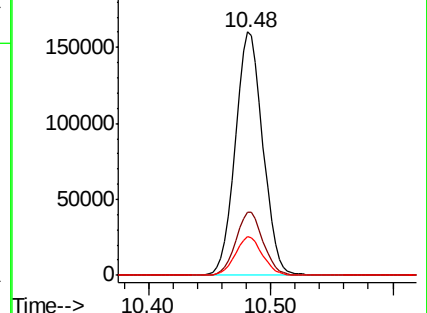
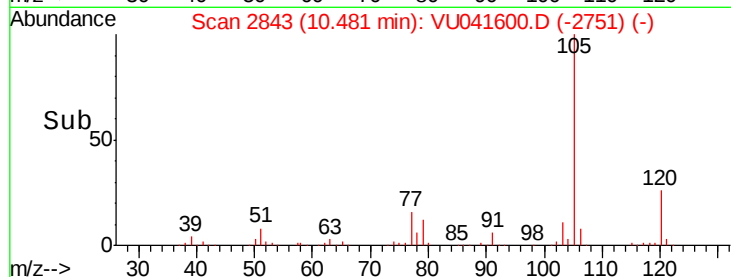
77 15.7 12.7 19.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.363 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041600.D

Acq: 13 Dec 2020 04:41

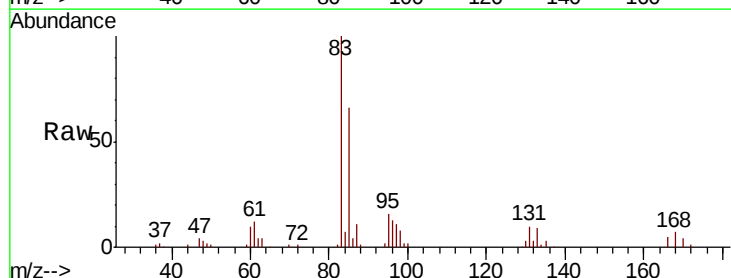
Tgt Ion: 83 Resp: 59861

Ion Ratio Lower Upper

83 100

85 65.7 46.1 85.7

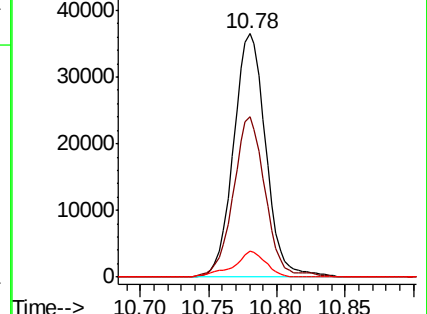
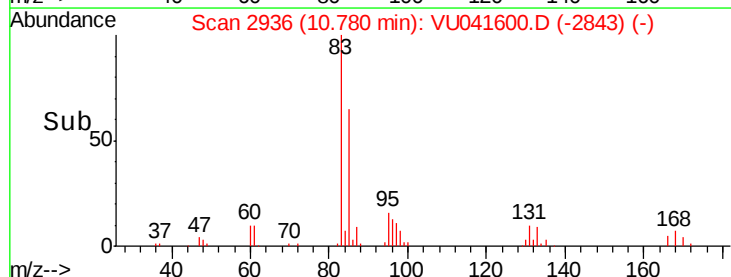
131 10.4 7.8 11.6

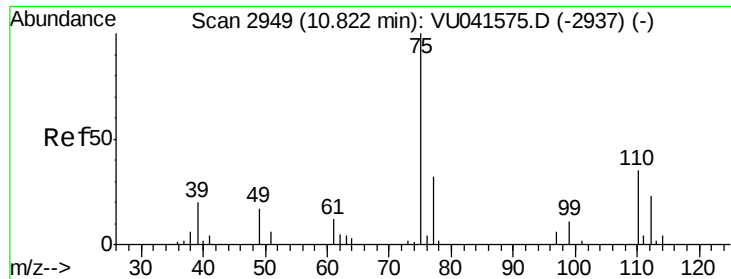


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

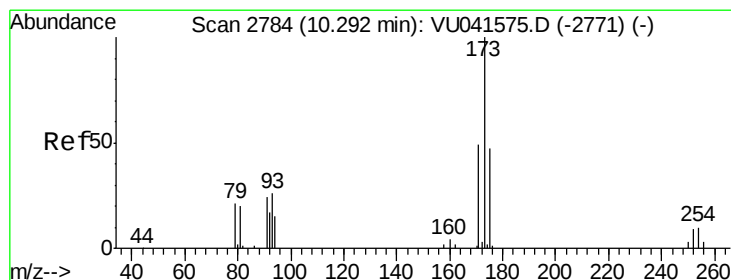
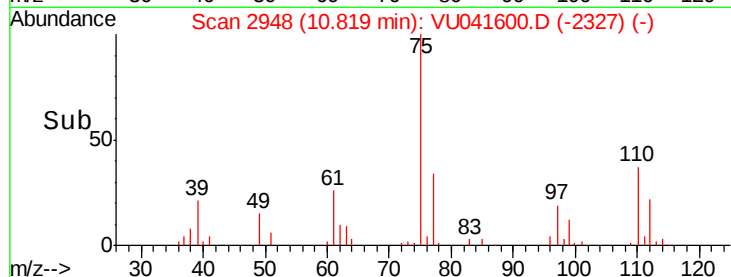
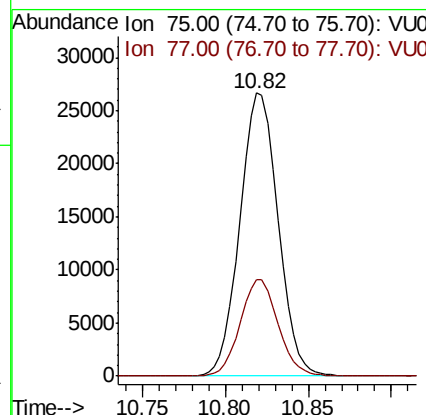
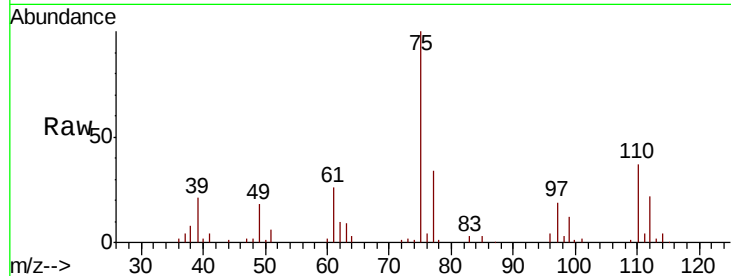




#59
 1,2,3-Trichloropropane
 Concen: 5.251 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU041600.D
 Acq: 13 Dec 2020 04:41

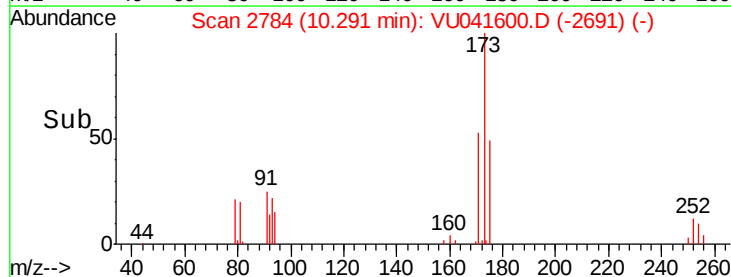
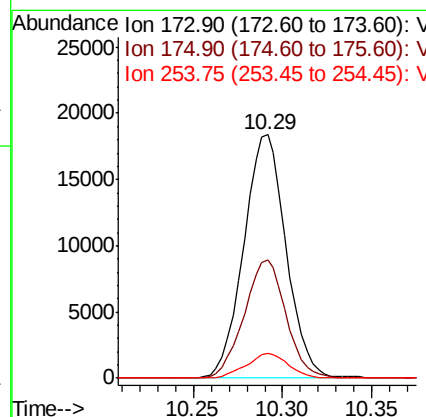
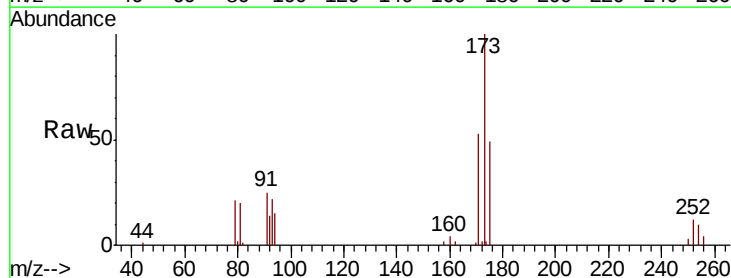
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

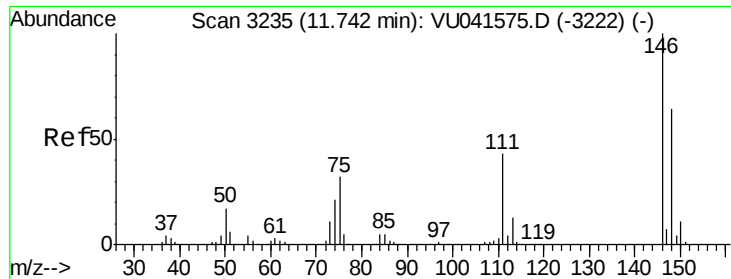
Tot Ion: 75 Resp: 42783
 Ion Ratio Lower Upper
 75 100
 77 33.7 26.2 39.2



#61
 Bromoform
 Concen: 5.647 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU041600.D
 Acq: 13 Dec 2020 04:41

Tgt Ion: 173 Resp: 30447
 Ion Ratio Lower Upper
 173 100
 175 47.9 37.3 55.9
 254 9.9 7.4 11.2

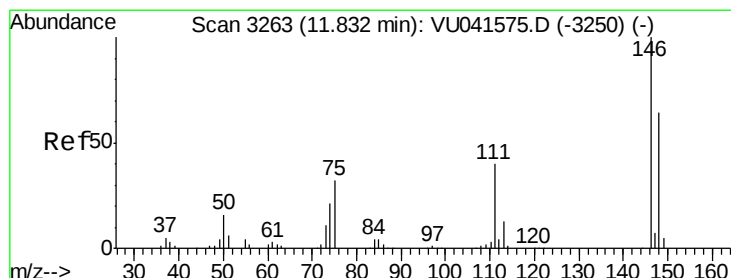
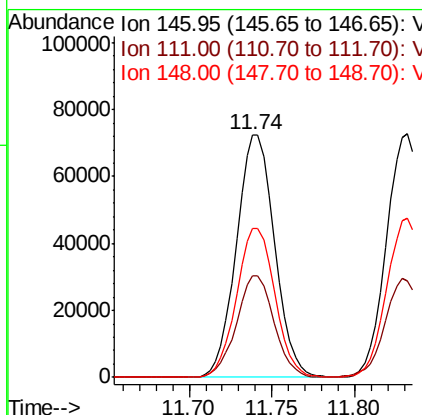
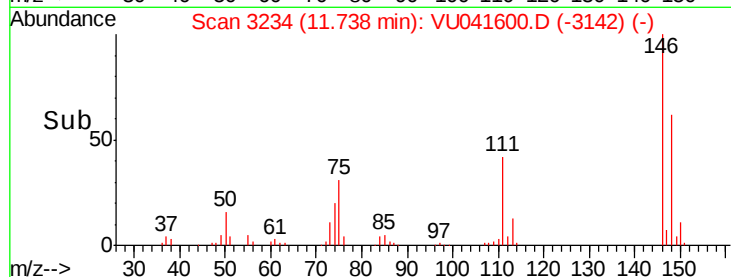
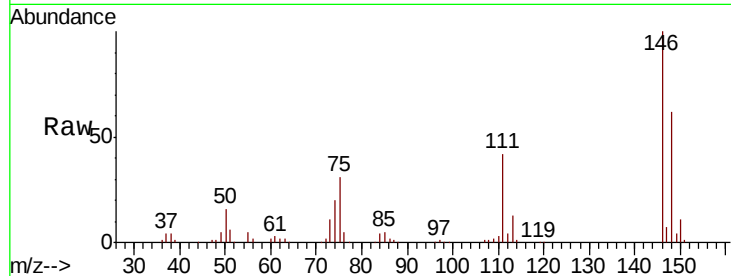




#62
 1,3-Dichlorobenzene
 Concen: 5.321 ug/L
 RT: 11.74 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU041600.D
 Acq: 13 Dec 2020 04:41

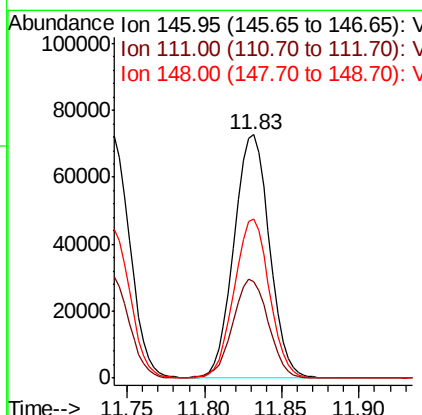
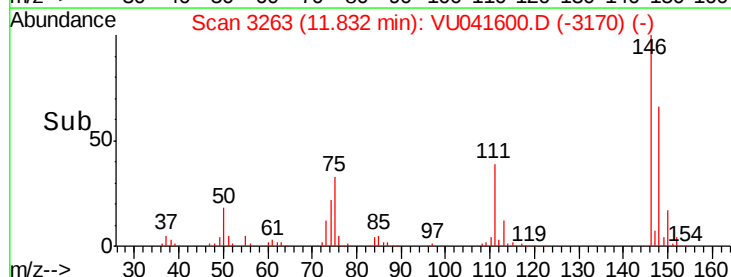
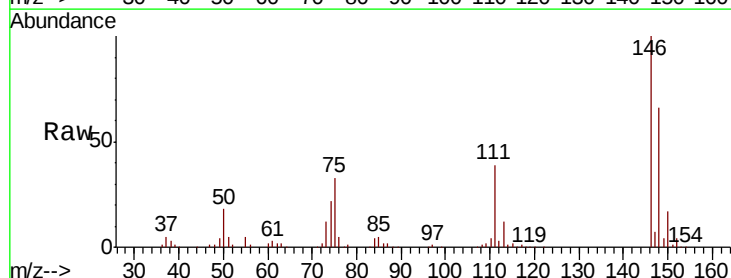
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

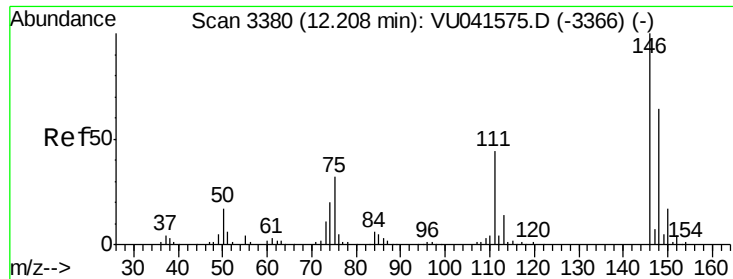
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	30.0	55.8
148	61.6	44.9	83.3



#63
 1,4-Dichlorobenzene
 Concen: 5.284 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041600.D
 Acq: 13 Dec 2020 04:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	27.9	51.9
148	65.6	45.0	83.6





#65

1,2-Dichlorobenzene

Concen: 5.216 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU041600.D

Acq: 13 Dec 2020 04:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

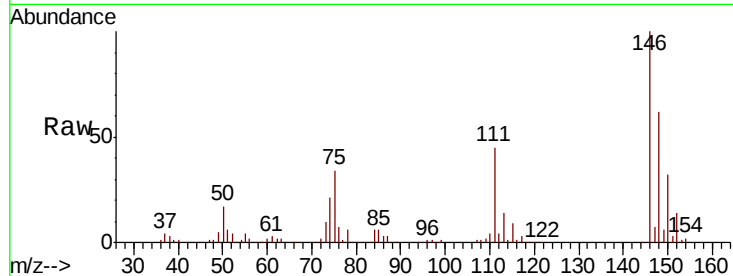
Tot Ion:146 Resp: 111411

Ion Ratio Lower Upper

146 100

111 44.8 35.0 52.6

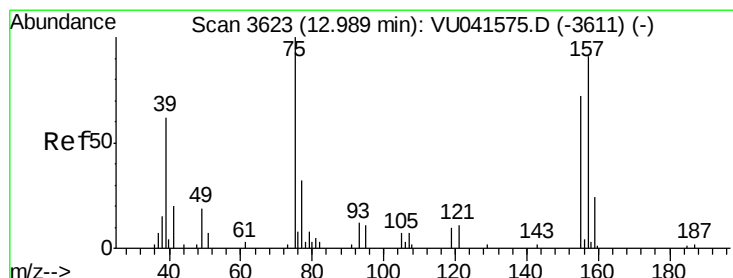
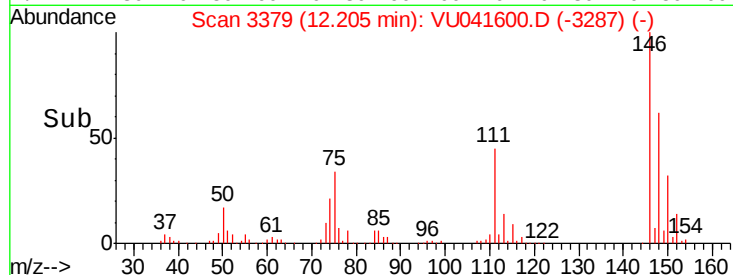
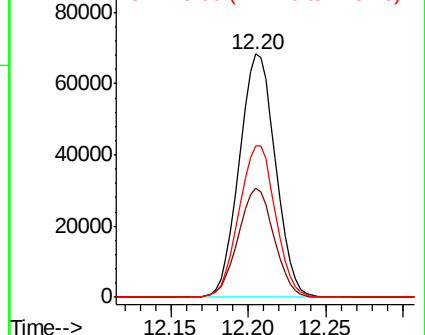
148 62.4 51.0 76.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.277 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VU041600.D

Acq: 13 Dec 2020 04:41

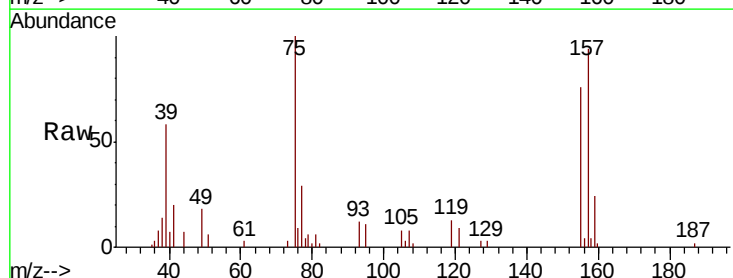
Tgt Ion: 75 Resp: 10570

Ion Ratio Lower Upper

75 100

155 75.9 57.4 86.0

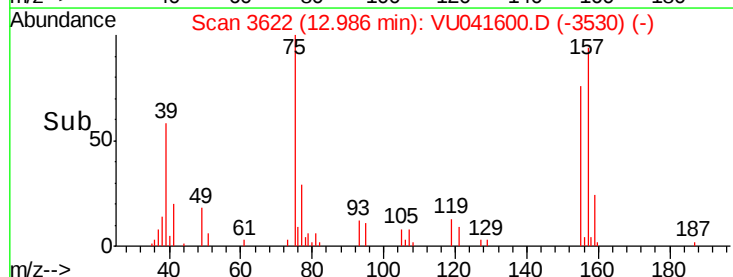
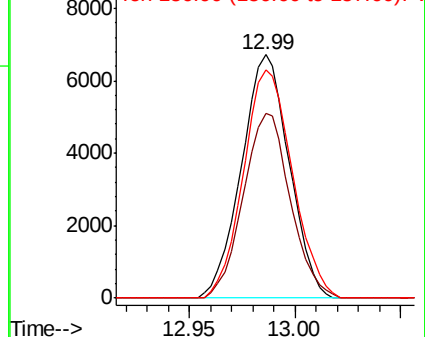
157 93.7 72.4 108.6

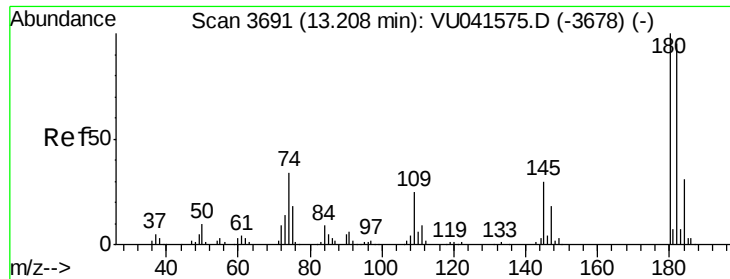


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

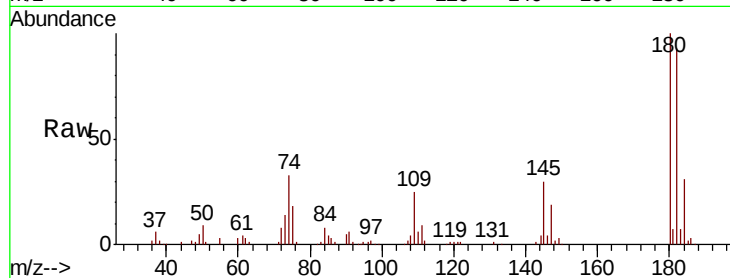




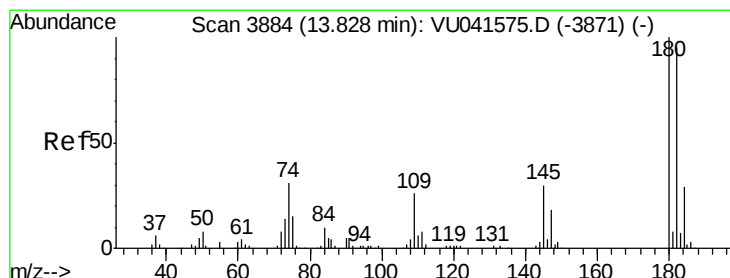
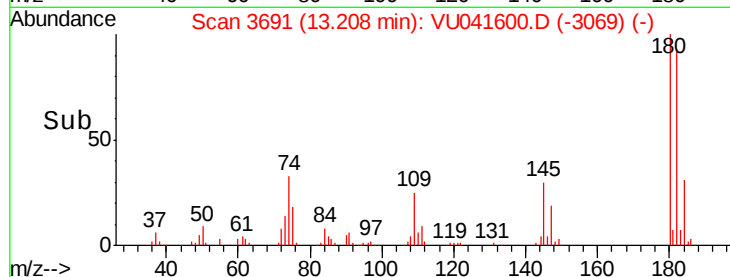
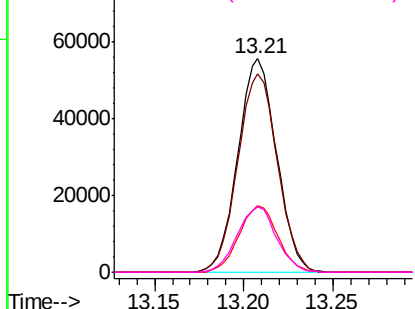
#67
 1,3,5-Trichlorobenzene
 Concen: 5.110 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU041600.D
 Acq: 13 Dec 2020 04:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tot Ion:180 Resp: 84611
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.3 114.5
 184 31.1 24.1 36.1
 145 31.1 24.1 36.1

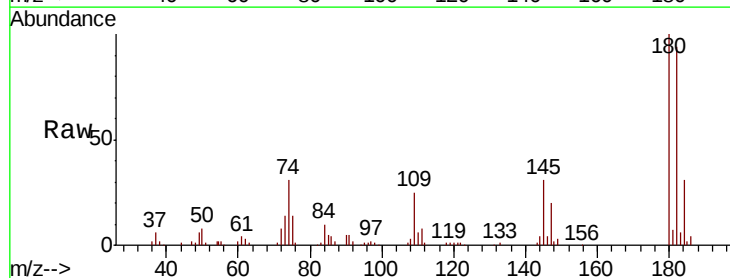


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

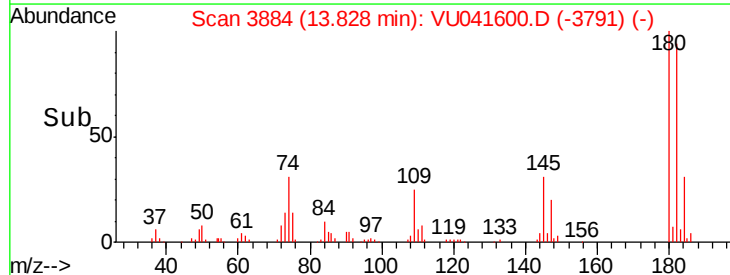
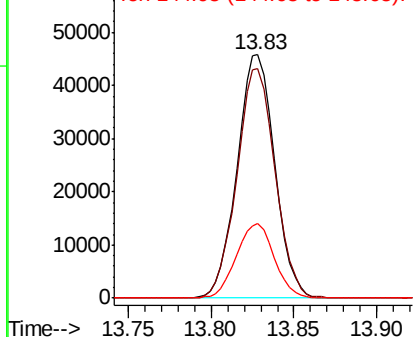


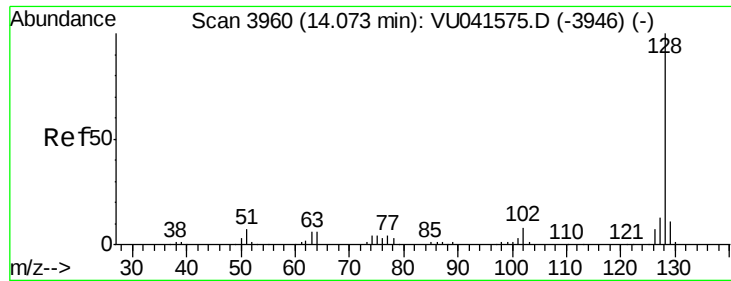
#68
 1,2,4-trichlorobenzene
 Concen: 5.210 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041600.D
 Acq: 13 Dec 2020 04:41

Tgt Ion:180 Resp: 72399
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.4 113.0
 145 30.7 24.5 36.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.954 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. -0.00 min

Lab File: VU041600.D

Acq: 13 Dec 2020 04:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

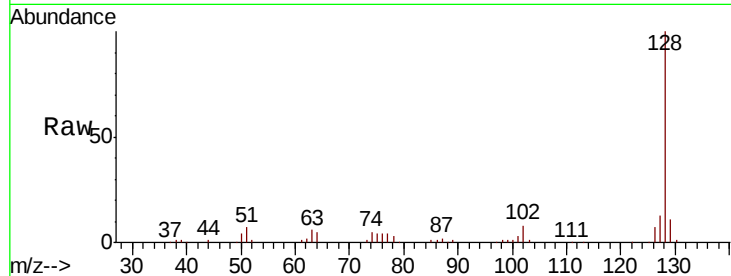
Tot Ion:128 Resp: 142511

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

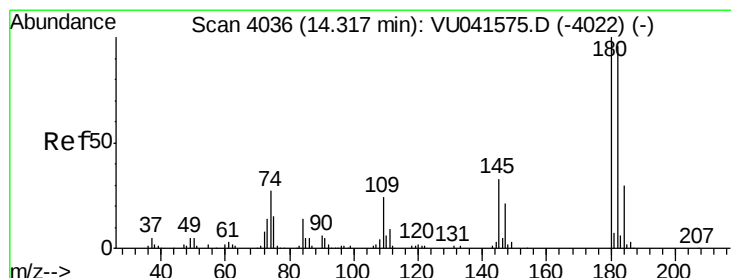
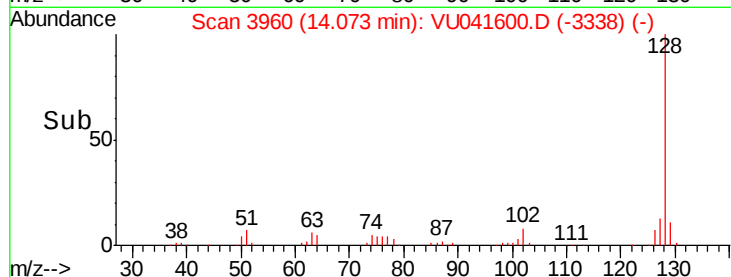
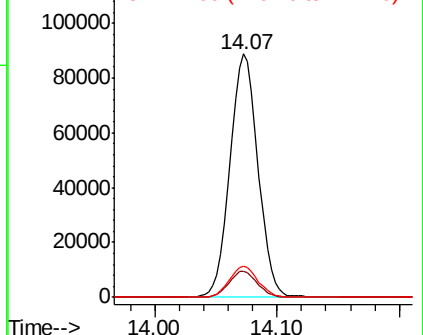
127 13.0 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.154 ug/L

RT: 14.31 min Scan# 4035

Delta R.T. -0.00 min

Lab File: VU041600.D

Acq: 13 Dec 2020 04:41

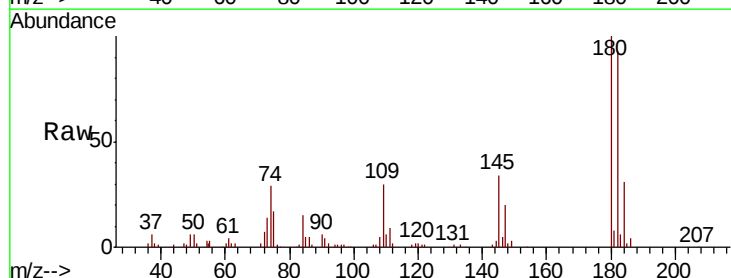
Tgt Ion:180 Resp: 68255

Ion Ratio Lower Upper

180 100

182 93.7 77.0 115.4

145 31.8 26.4 39.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

