

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102120\
 Data File : VU040868.D
 Acq On : 21 Oct 2020 12:37
 Operator : SY/MD
 Sample : VSTD01003
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

Quant Time: Oct 22 00:09:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 22 00:01:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	263446	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	261072	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	137383	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	174455	8.32	ug/L	0.00
7) Chloroethane-d5	1.92	69	153511	9.34	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	377819	9.13	ug/L	0.00
20) 2-Butanone-d5	4.64	46	646076	95.33	ug/L	0.00
24) Chloroform-d	5.08	84	384332	10.06	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	216205	9.38	ug/L	0.00
32) Benzene-d6	5.74	84	693355	10.02	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	231690	9.96	ug/L	0.00
41) Toluene-d8	7.91	98	625531	10.10	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	94851	9.87	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	520181	104.94	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	197360	9.53	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	232835	9.24	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	255380	10.586	ug/L 100
3) Chloromethane	1.52	50	272787	11.609	ug/L 97
5) Vinyl chloride	1.61	62	265914	11.085	ug/L 99
6) Bromomethane	1.86	94	125745	9.842	ug/L 97
8) Chloroethane	1.94	64	159170	10.436	ug/L 100
9) Trichlorofluoromethane	2.15	101	341833	10.092	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	203235	9.402	ug/L 99
12) 1,1-Dichloroethene	2.59	96	186016	9.997	ug/L 99
13) Acetone	2.64	43	400050	78.569	ug/L 99
14) Carbon disulfide	2.80	76	654009	11.872	ug/L 99
15) Methyl Acetate	2.96	43	102558	8.701	ug/L 99
16) Methylene chloride	3.06	84	213091	8.975	ug/L 98
17) Methyl tert-butyl Ether	3.38	73	473541	9.239	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	197554	10.116	ug/L 99
19) 1,1-Dichloroethane	3.89	63	393423	9.790	ug/L 98
21) 2-Butanone	4.72	43	688544	87.013	ug/L 99
22) cis-1,2-Dichloroethene	4.68	96	214361	10.190	ug/L 98
23) Bromochloromethane	4.99	128	95036	9.216	ug/L 96
25) Chloroform	5.11	83	392872	9.614	ug/L 97
27) 1,2-Dichloroethane	5.81	62	270444	9.364	ug/L 99
29) 1,1,1-Trichloroethane	5.33	97	335450	9.707	ug/L 99
30) Cyclohexane	5.40	56	357611	11.095	ug/L 98
31) Carbon tetrachloride	5.54	117	292674	9.908	ug/L 100
33) Benzene	5.79	78	846947	10.227	ug/L 100
34) Trichloroethene	6.56	95	213103	10.005	ug/L 97
35) Methylcyclohexane	6.77	83	343454	11.199	ug/L 98
37) 1,2-Dichloropropane	6.80	63	222842	9.747	ug/L 98
38) Bromodichloromethane	7.12	83	286343	9.824	ug/L 100
39) cis-1,3-Dichloropropene	7.62	75	316590	10.154	ug/L 98
40) 4-Methyl-2-pentanone	7.80	43	1640562	93.149	ug/L 100

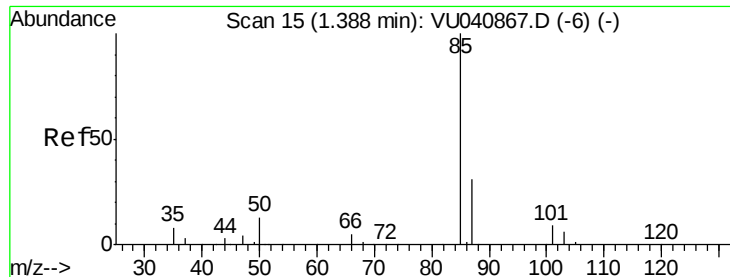
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102120\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 22 00:01:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	887192	10.546	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	288137	10.110	ug/L	99
45) 1,1,2-Trichloroethane	8.41	97	150456	8.908	ug/L	96
47) Tetrachloroethene	8.56	164	155884	10.243	ug/L	98
48) 2-Hexanone	8.69	43	1180238	90.261	ug/L	99
49) Dibromochloromethane	8.82	129	184098	9.460	ug/L	96
50) 1,2-Dibromoethane	8.93	107	143523	8.932	ug/L	100
51) Chlorobenzene	9.45	112	539352	9.775	ug/L	100
52) Ethylbenzene	9.57	91	964107	10.662	ug/L	99
53) m,p-Xylene	9.70	106	359908	10.943	ug/L	96
54) o-Xylene	10.10	106	340983	10.825	ug/L	95
55) Styrene	10.11	104	606912	11.043	ug/L	99
56) Isopropylbenzene	10.48	105	920714	10.819	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	197170	8.907	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	145564	8.819	ug/L	95
61) Bromoform	10.29	173	97894	8.702	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	434169	9.829	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	443200	9.742	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	400695	9.360	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	33611	8.984	ug/L	93
67) 1,3,5-Trichlorobenzene	13.21	180	311952	9.950	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	269732	11.029	ug/L	99
69) Naphthalene	14.08	128	519806	12.700	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	256937	11.299	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 10.586 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040868.D

Acq: 21 Oct 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

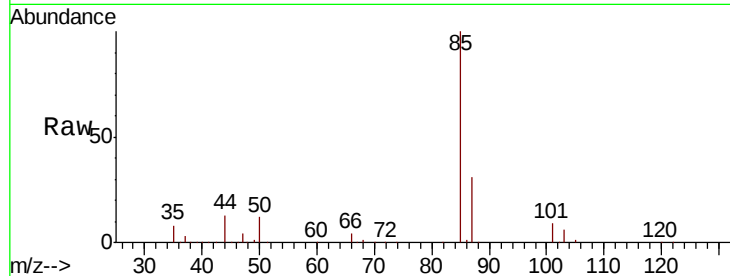
VSTD01003

Tot Ion: 85 Resp: 255380

Ion Ratio Lower Upper

85 100

87 31.4 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VU040868.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VU040868.D (-6) (-)

1.39

250000

200000

150000

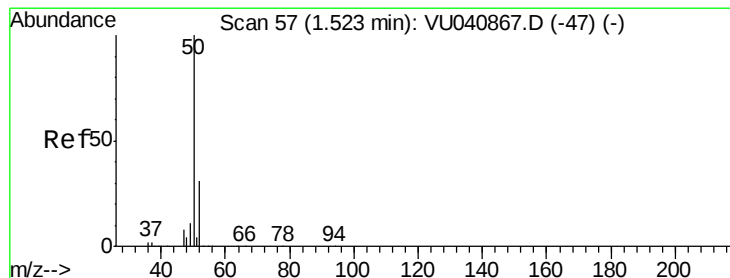
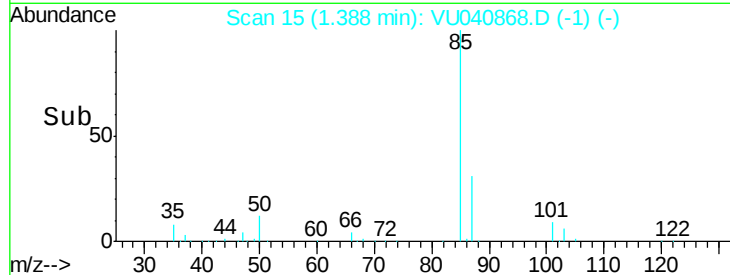
100000

50000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 11.609 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040868.D

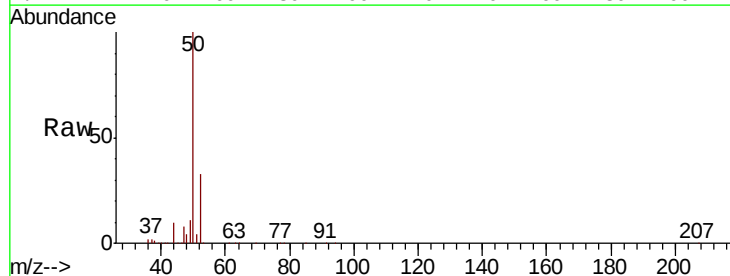
Acq: 21 Oct 2020 12:37

Tgt Ion: 50 Resp: 272787

Ion Ratio Lower Upper

50 100

52 33.1 21.8 40.6



Abundance Ion 50.05 (49.75 to 50.75): VU040868.D (-47) (-)

Ion 52.05 (51.75 to 52.75): VU040868.D (-47) (-)

1.52

250000

200000

150000

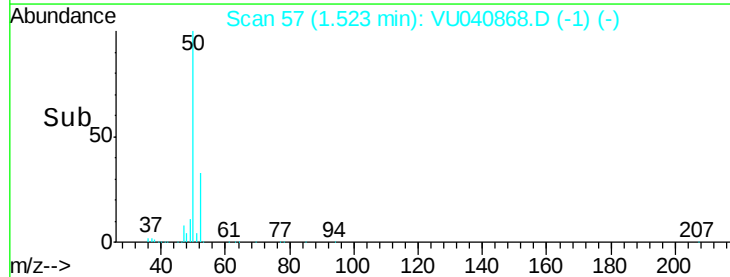
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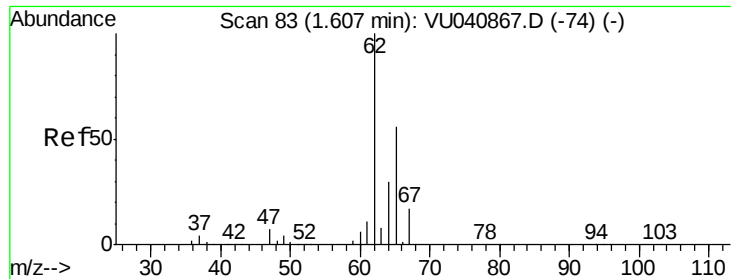
50000

0

1.45 1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 11.085 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040868.D

Acq: 21 Oct 2020 12:37

Instrument :

MSVOA_U

ClientSampled :

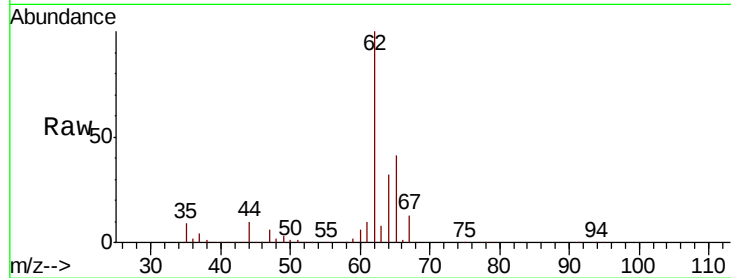
VSTD01003

Tot Ion: 62 Resp: 265914

Ion Ratio Lower Upper

62 100

64 31.7 21.8 40.6



Abundance Ion 62.00 (61.70 to 62.70): VU040868.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU040868.D (-1) (-)

1.61

250000

200000

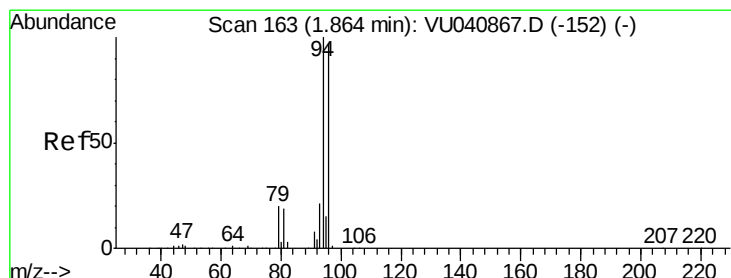
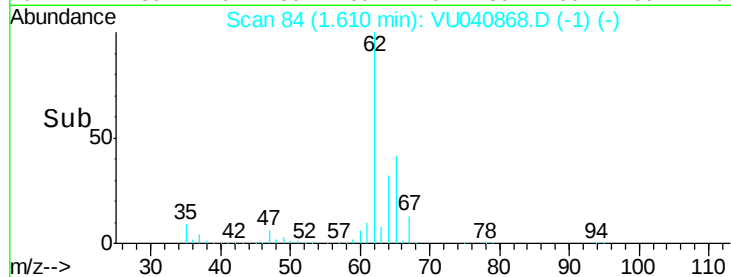
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 9.842 ug/L

RT: 1.86 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU040868.D

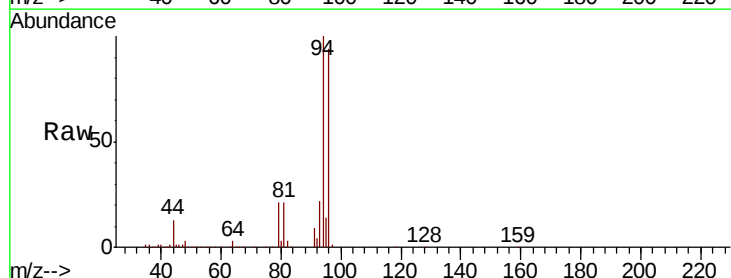
Acq: 21 Oct 2020 12:37

Tgt Ion: 94 Resp: 125745

Ion Ratio Lower Upper

94 100

96 94.1 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VU040868.D (-70) (-)

Ion 96.00 (95.70 to 96.70): VU040868.D (-70) (-)

1.86

120000

100000

80000

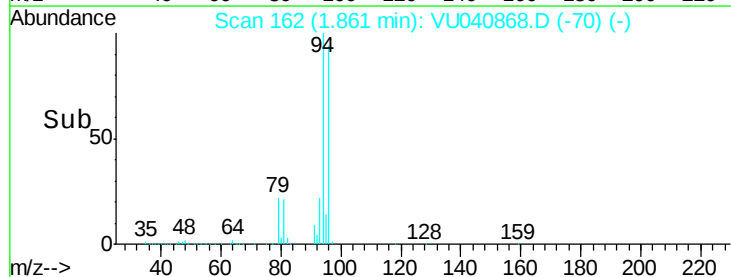
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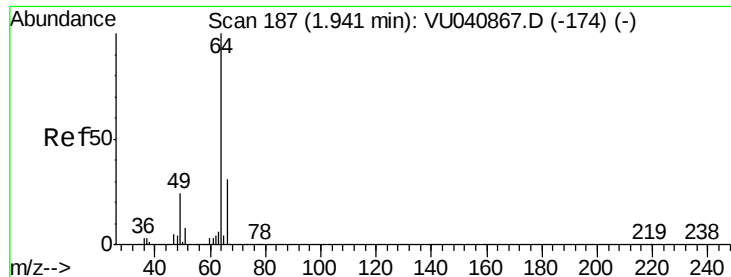
40000

20000

0

Time-->

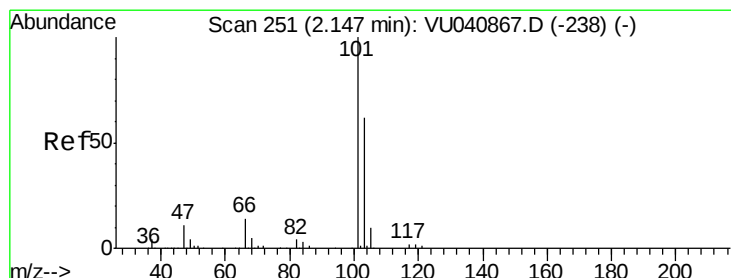
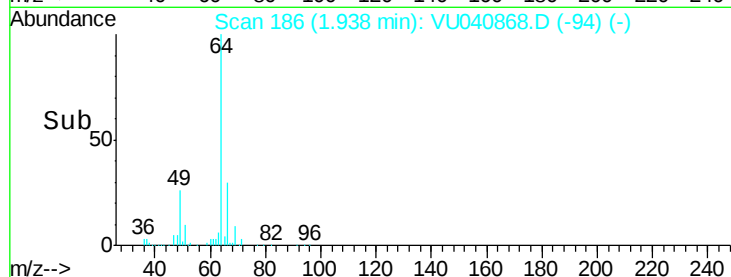
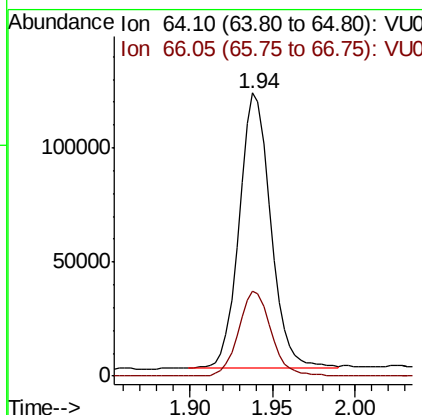
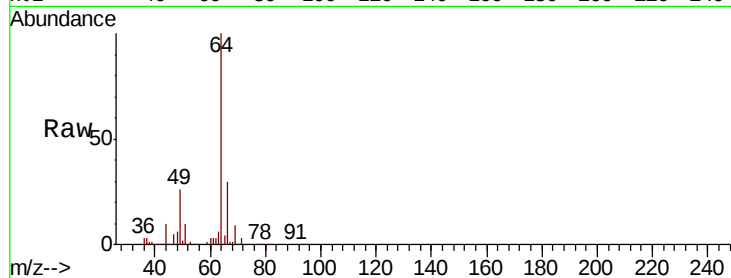




#8
Chloroethane
Concen: 10.436 ug/L
RT: 1.94 min Scan# 186
Delta R.T. -0.00 min
Lab File: VU040868.D
Acq: 21 Oct 2020 12:37

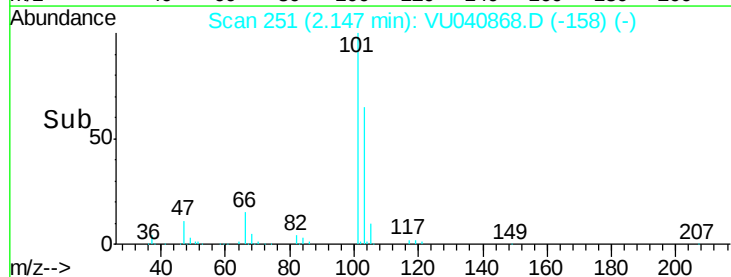
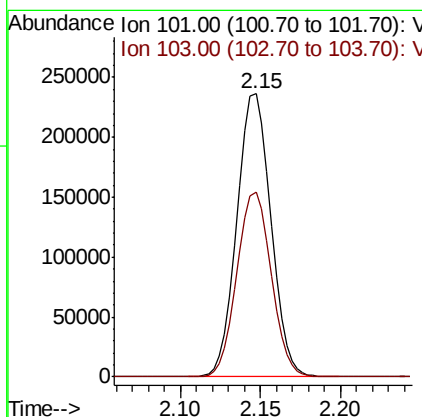
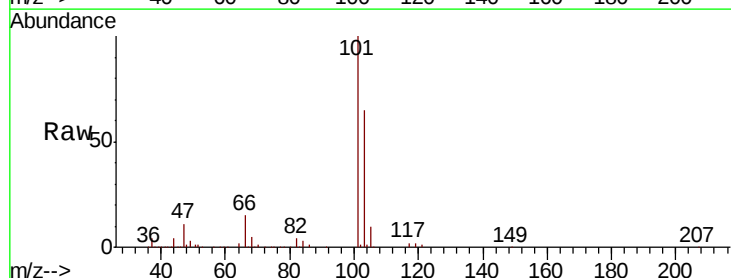
Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

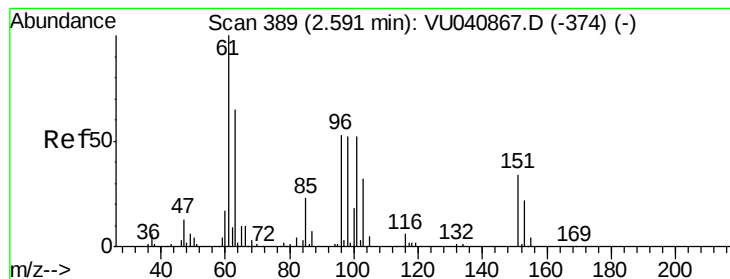
Tot Ion: 64 Resp: 159170
Ion Ratio Lower Upper
64 100
66 30.1 21.2 39.4



#9
Trichlorofluoromethane
Concen: 10.092 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU040868.D
Acq: 21 Oct 2020 12:37

Tgt Ion: 101 Resp: 341833
Ion Ratio Lower Upper
101 100
103 65.8 51.4 77.2





#10

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

Concen: 9.402 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040868.D

Acq: 21 Oct 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

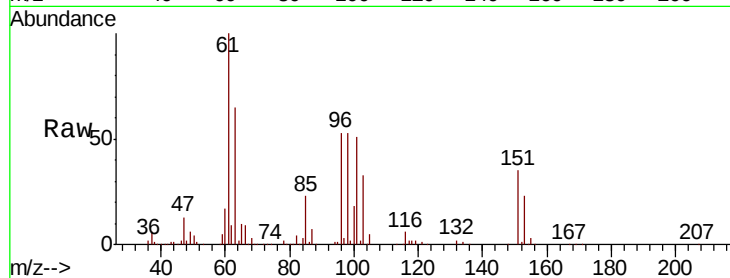
Tot Ion:101 Resp: 203235

Ion Ratio Lower Upper

101 100

85 44.9 36.4 54.6

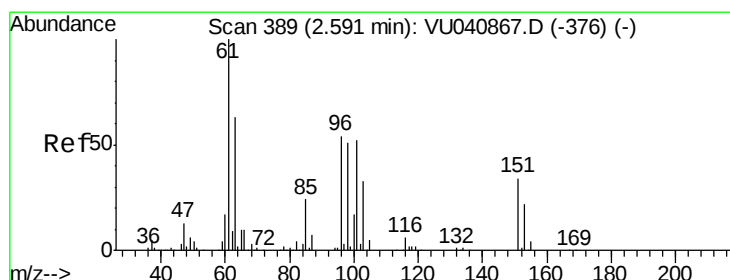
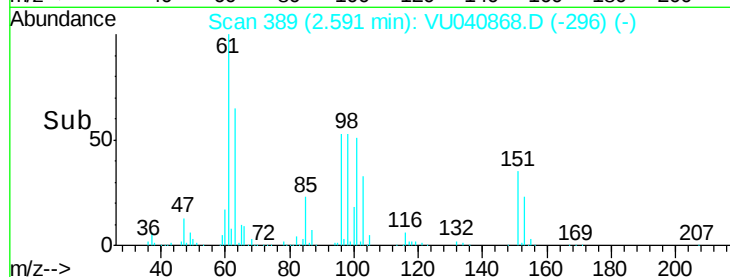
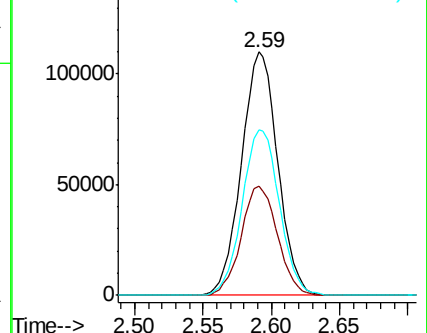
151 69.9 56.3 84.5



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: 9.997 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040868.D

Acq: 21 Oct 2020 12:37

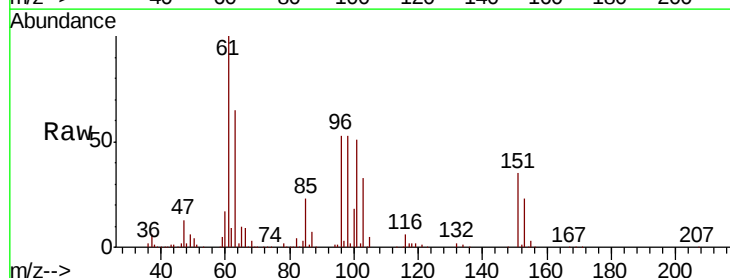
Tgt Ion: 96 Resp: 186016

Ion Ratio Lower Upper

96 100

61 188.6 130.9 243.1

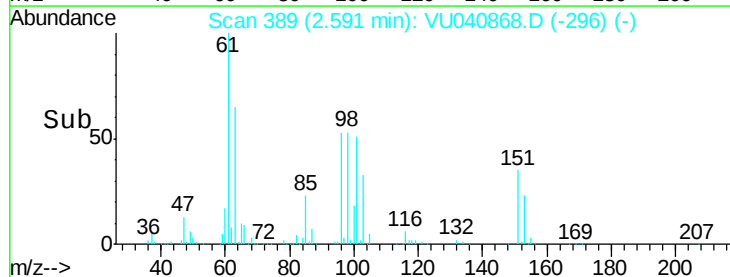
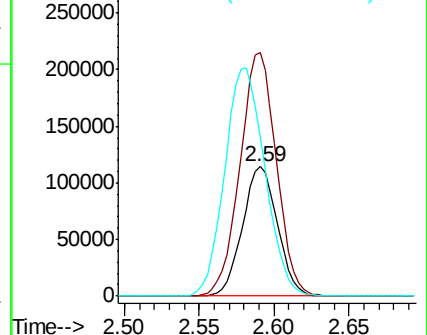
63 123.0 85.4 158.6

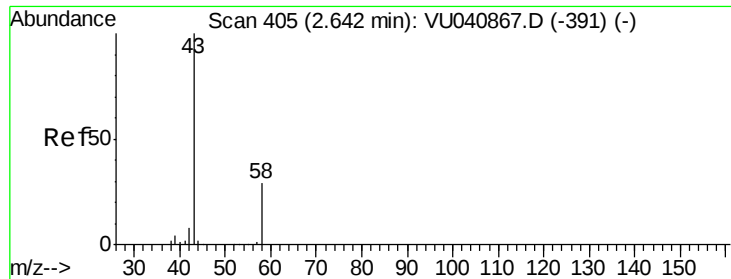


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 78.569 ug/L

RT: 2.64 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU040868.D

Acq: 21 Oct 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

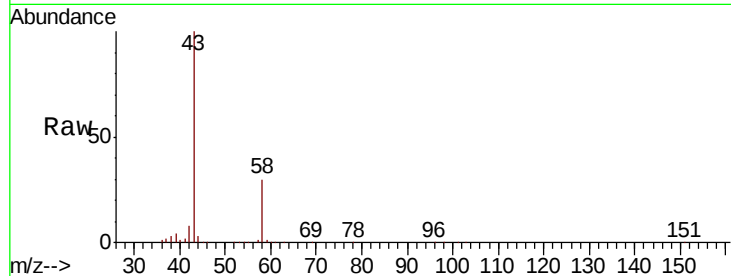
VSTD01003

Tot Ion: 43 Resp: 400050

Ion Ratio Lower Upper

43 100

58 29.9 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.64

200000

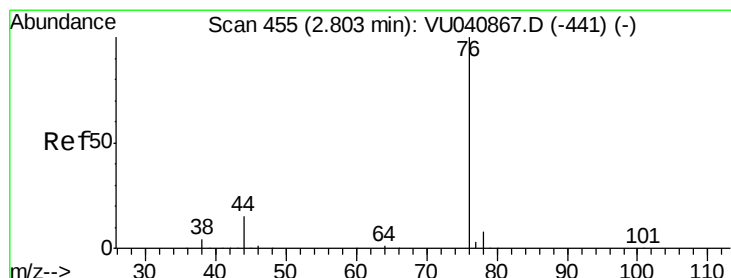
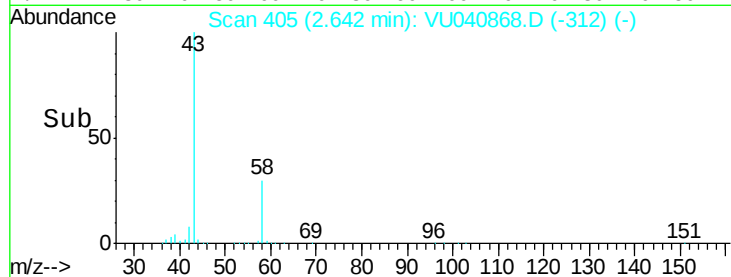
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 11.872 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU040868.D

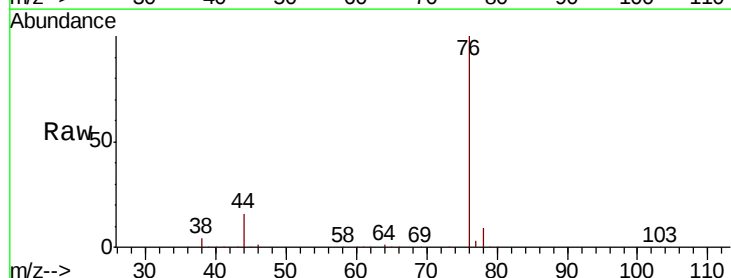
Acq: 21 Oct 2020 12:37

Tgt Ion: 76 Resp: 654009

Ion Ratio Lower Upper

76 100

78 8.8 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.80

400000

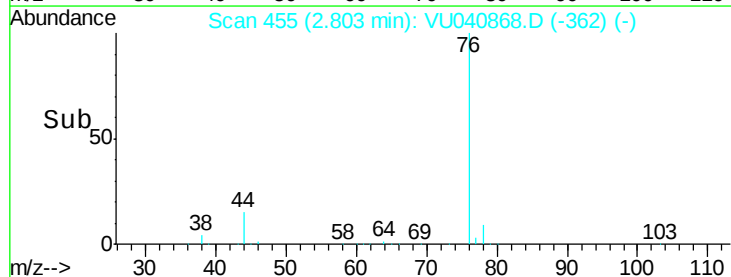
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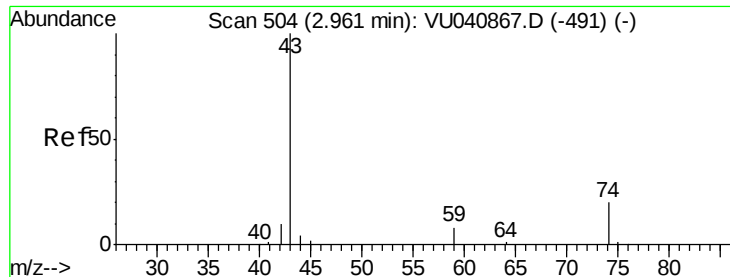
200000

100000

0

Time-->





#15

Methyl Acetate

Concen: 8.701 ug/L

RT: 2.96 min Scan# 504

Delta R.T. -0.00 min

Lab File: VU040868.D

Acq: 21 Oct 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

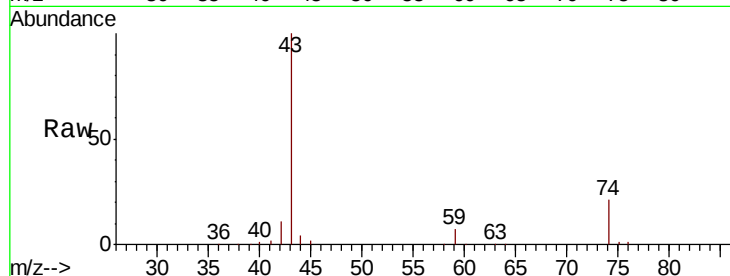
VSTD01003

Tot Ion: 43 Resp: 102558

Ion Ratio Lower Upper

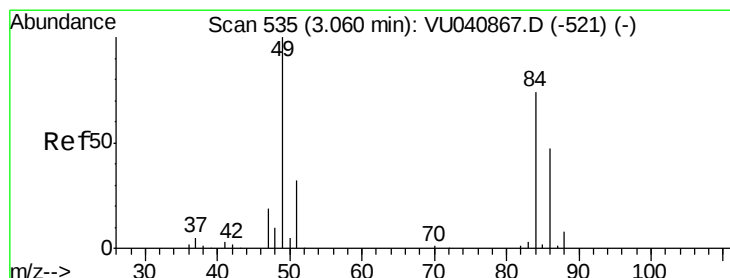
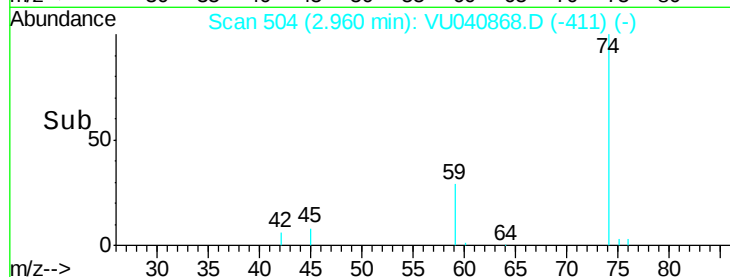
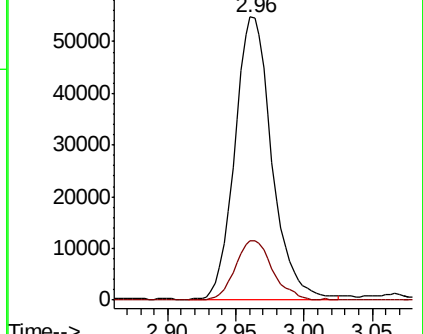
43 100

74 21.3 16.6 25.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 8.975 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU040868.D

Acq: 21 Oct 2020 12:37

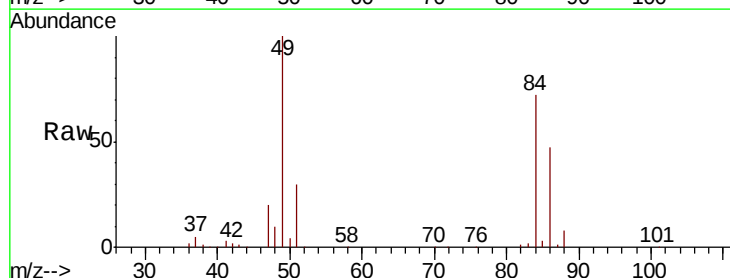
Tgt Ion: 84 Resp: 213091

Ion Ratio Lower Upper

84 100

86 64.3 44.9 83.5

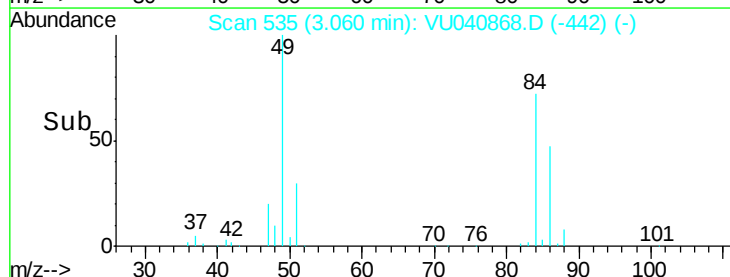
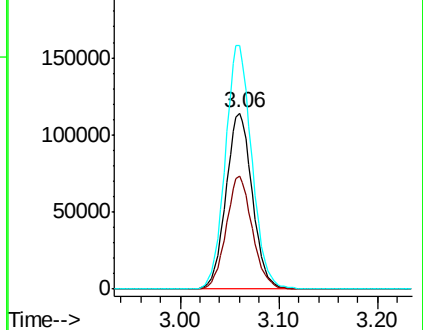
49 138.2 94.7 175.9

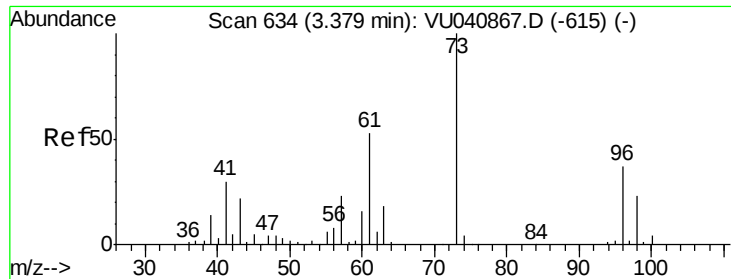


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

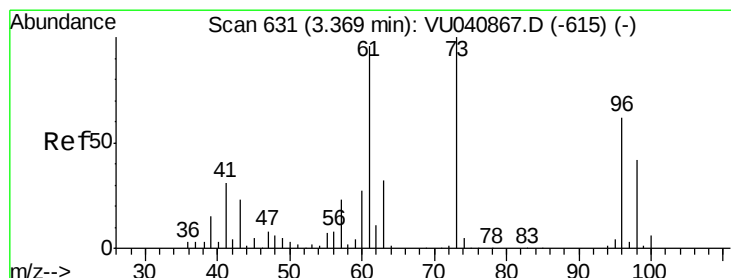
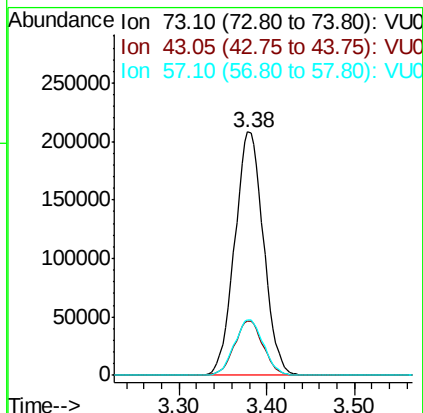
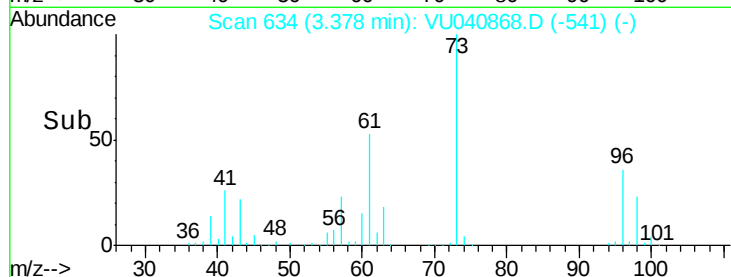
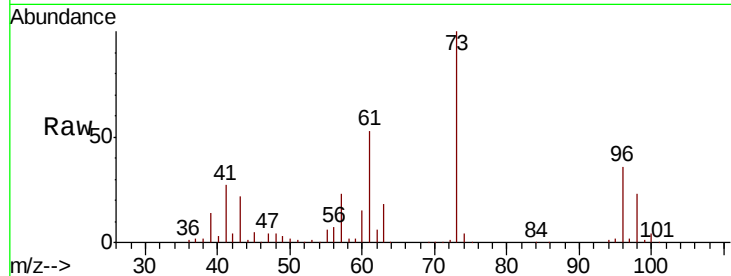




#17
Methvl tert-butvl Ether
Concen: 9.239 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU040868.D
Acq: 21 Oct 2020 12:37

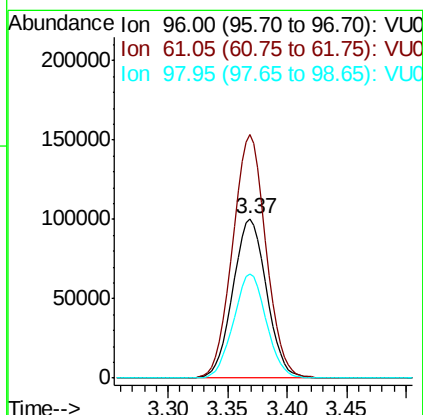
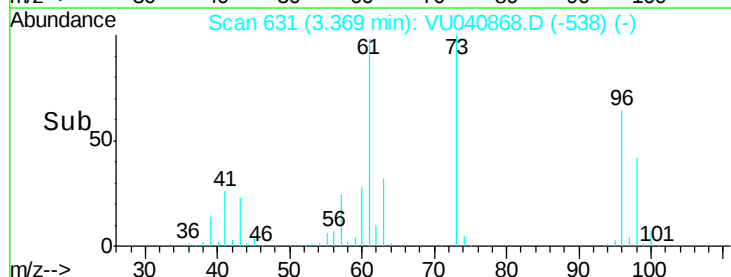
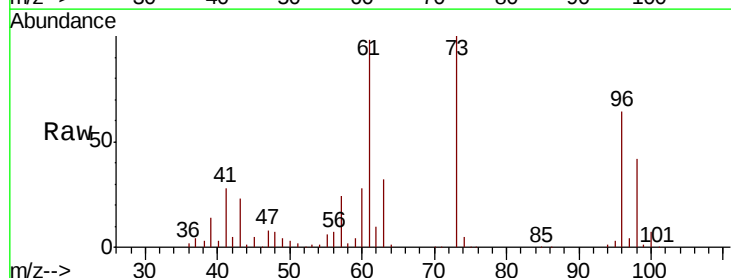
Instrument :
MSVOA_U
ClientSampled :
VSTD01003

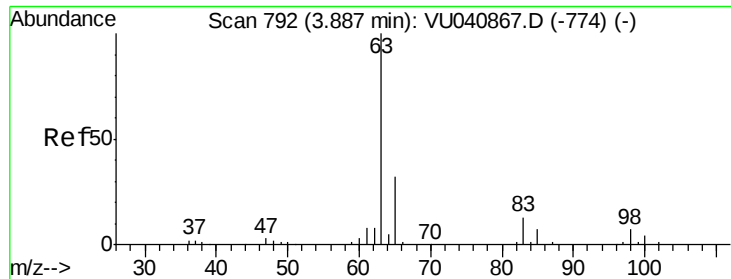
Tot Ion: 73 Resp: 473541
Ion Ratio Lower Upper
73 100
43 22.3 18.6 27.8
57 23.2 18.5 27.7



#18
trans-1,2-Dichloroethene
Concen: 10.116 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040868.D
Acq: 21 Oct 2020 12:37

Tgt Ion: 96 Resp: 197554
Ion Ratio Lower Upper
96 100
61 153.0 107.9 200.3
98 65.7 47.5 88.1

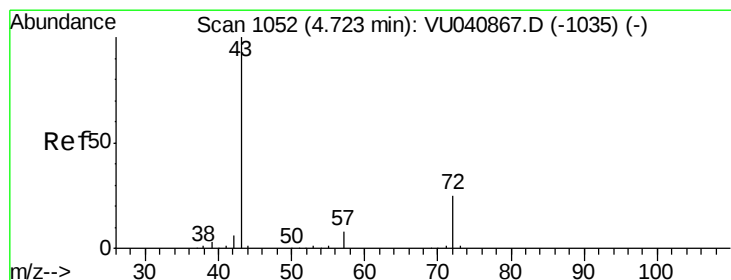
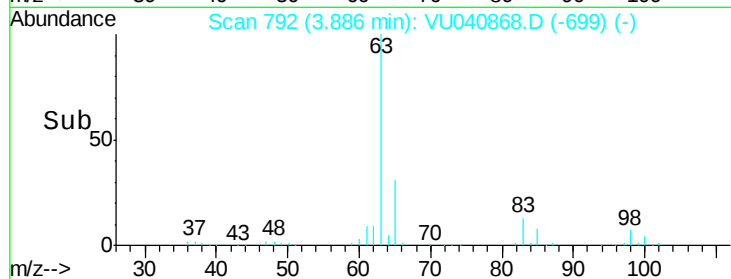
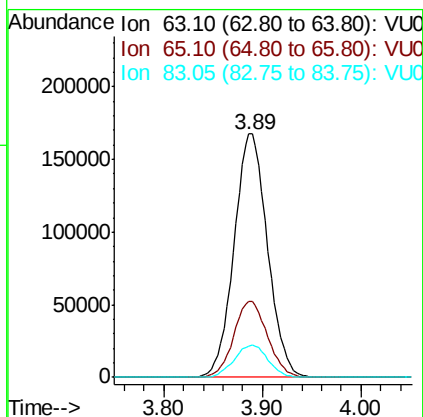
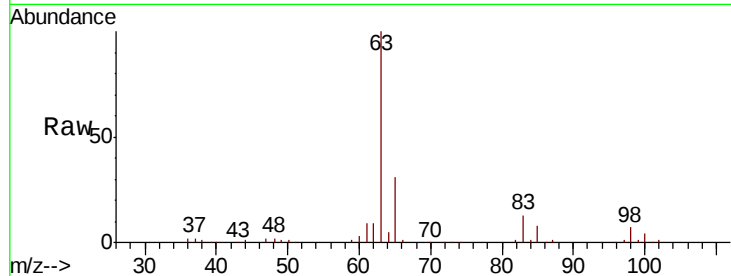




#19
 1,1-Dichloroethane
 Concen: 9.790 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU040868.D
 Acq: 21 Oct 2020 12:37

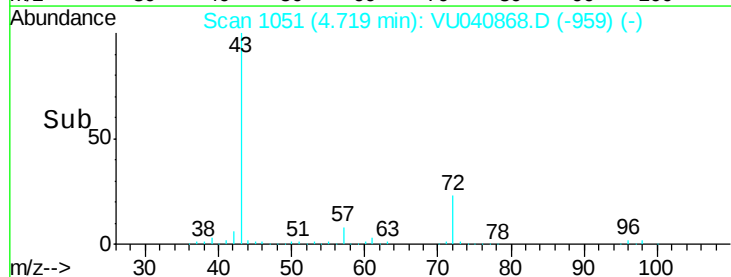
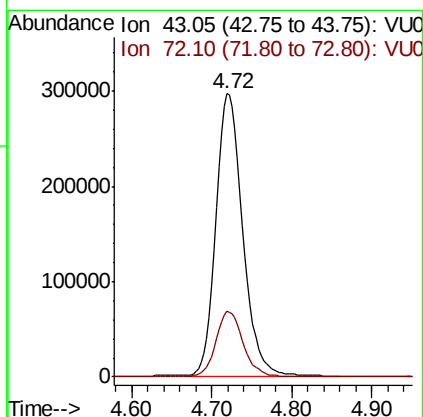
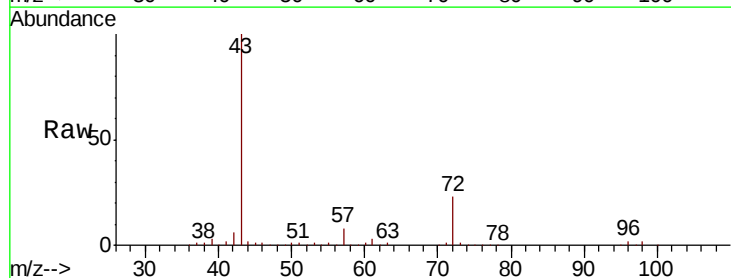
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

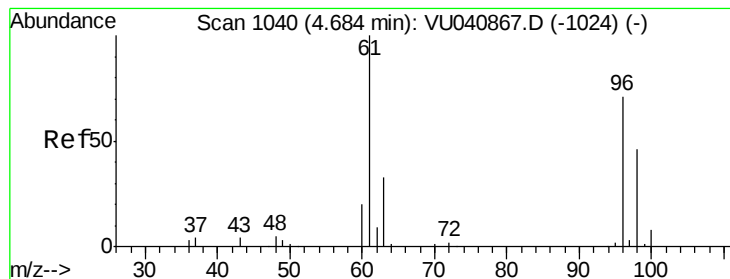
Tot Ion: 63 Resp: 393423
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.6 42.0
 83 12.9 9.4 17.6



#21
 2-Butanone
 Concen: 87.013 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VU040868.D
 Acq: 21 Oct 2020 12:37

Tgt Ion: 43 Resp: 688544
 Ion Ratio Lower Upper
 43 100
 72 23.7 12.2 36.4





#22

cis-1,2-Dichloroethene

Concen: 10.190 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040868.D

Acq: 21 Oct 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

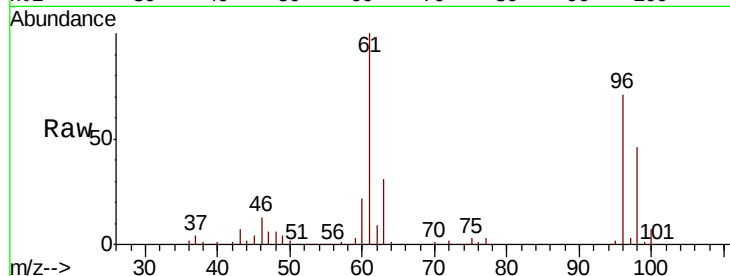
Tot Ion: 96 Resp: 214361

Ion Ratio Lower Upper

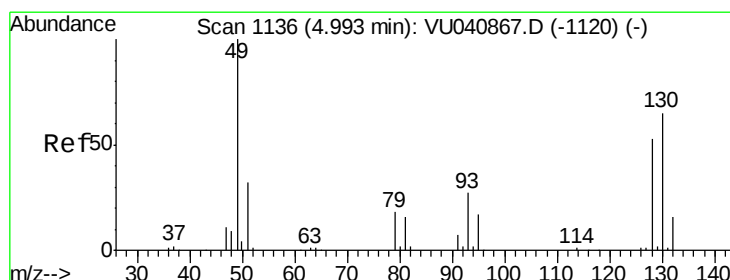
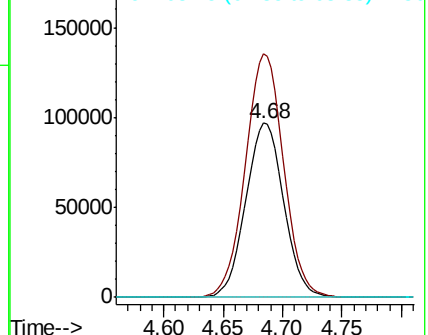
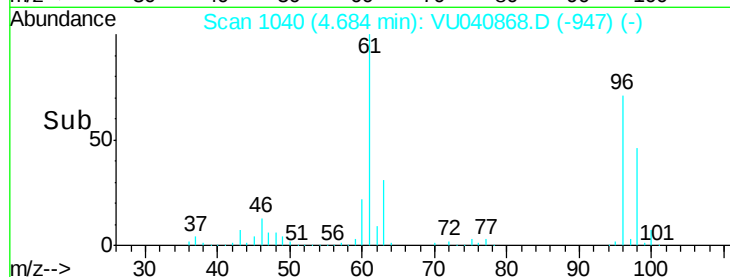
96 100

61 139.9 100.0 185.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040868.D (-947) (-)



#23

Bromochloromethane

Concen: 9.216 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU040868.D

Acq: 21 Oct 2020 12:37

Tgt Ion: 128 Resp: 95036

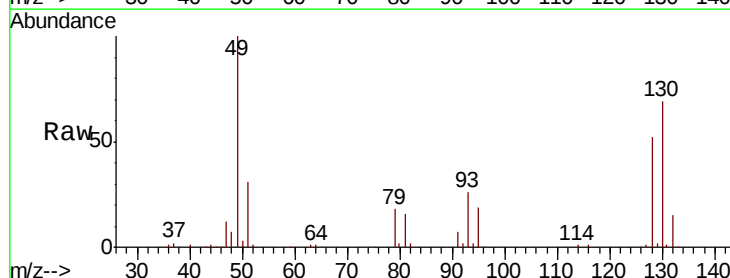
Ion Ratio Lower Upper

128 100

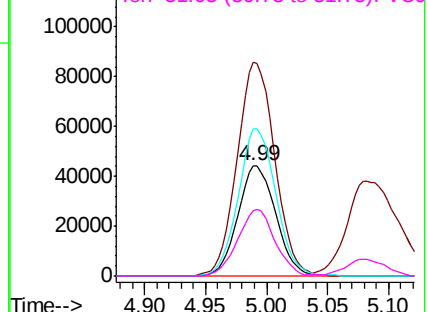
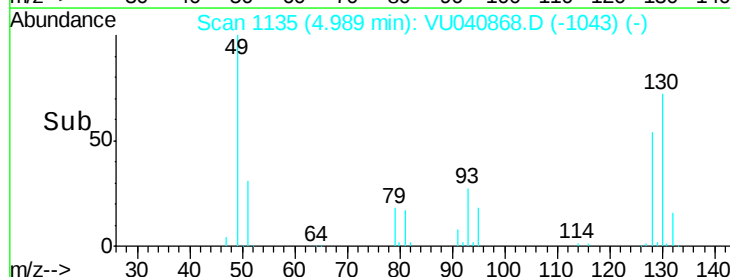
49 194.0 133.2 247.4

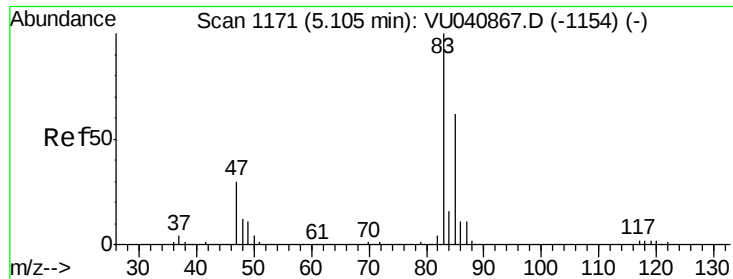
130 133.5 86.6 160.8

51 59.8 48.8 73.2



Abundance Ion 127.90 (127.60 to 128.60): VU040868.D (-1043) (-)

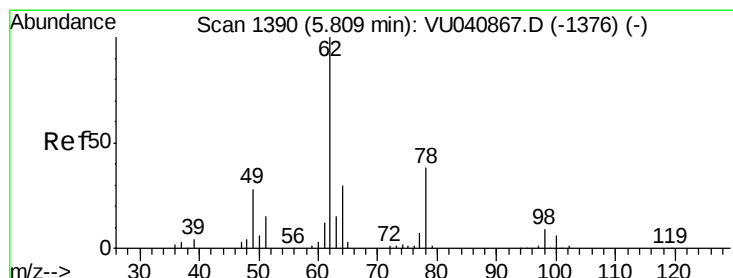
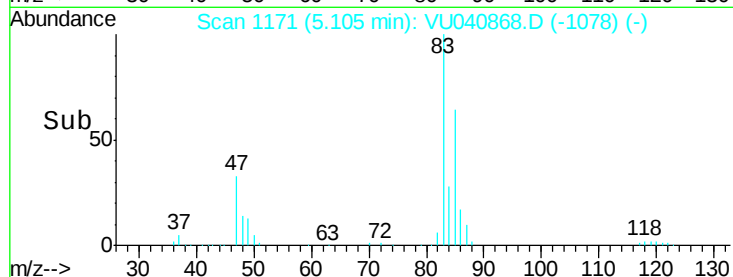
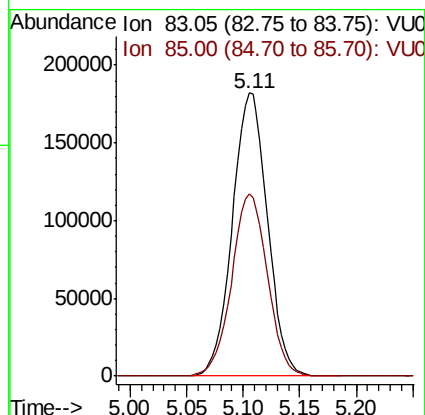
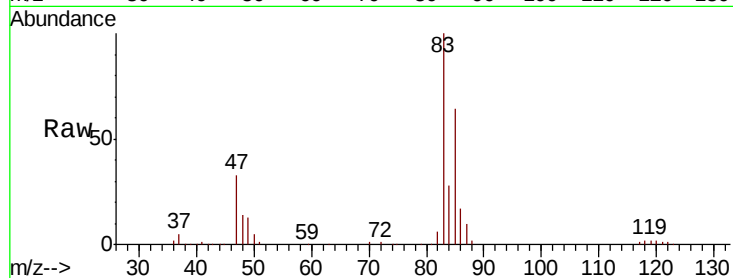




#25
Chloroform
Concen: 9.614 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040868.D
Acq: 21 Oct 2020 12:37

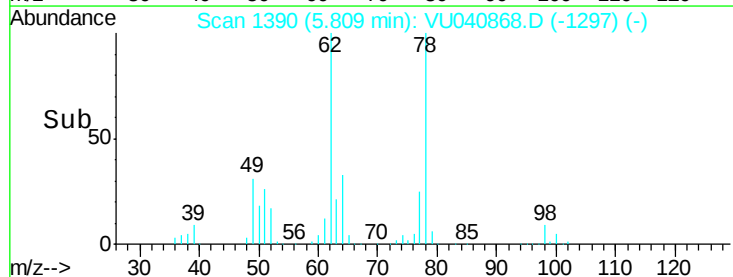
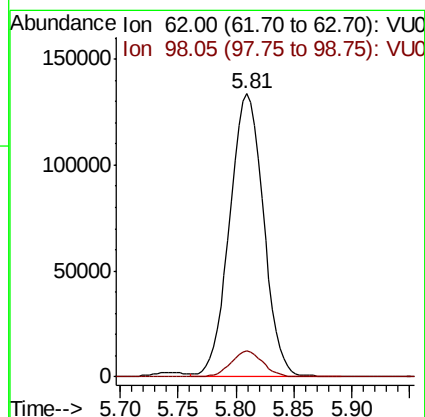
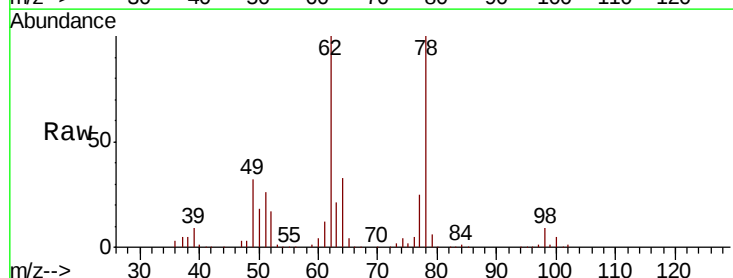
Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

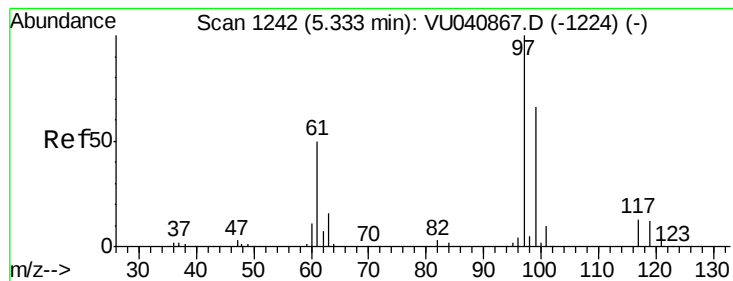
Tot Ion: 83 Resp: 392872
Ion Ratio Lower Upper
83 100
85 64.2 43.4 80.6



#27
1,2-Dichloroethane
Concen: 9.364 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040868.D
Acq: 21 Oct 2020 12:37

Tgt Ion: 62 Resp: 270444
Ion Ratio Lower Upper
62 100
98 9.2 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 9.707 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VU040868.D

Acq: 21 Oct 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

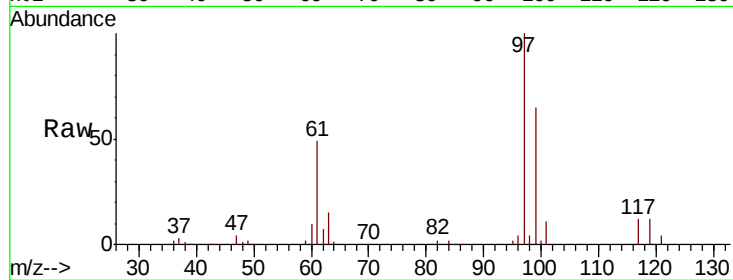
Tot Ion: 97 Resp: 335450

Ion Ratio Lower Upper

97 100

99 64.6 51.2 76.8

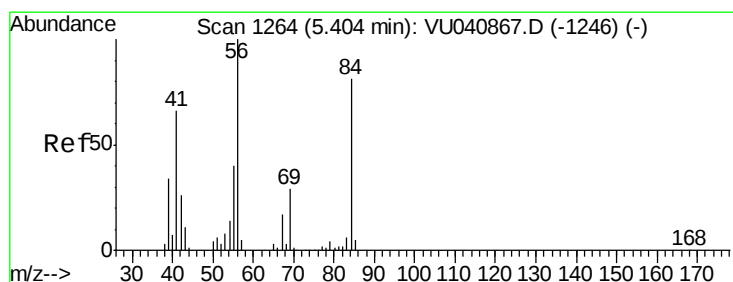
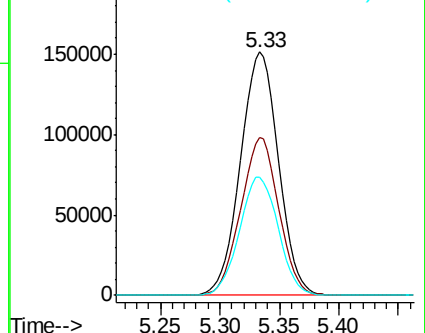
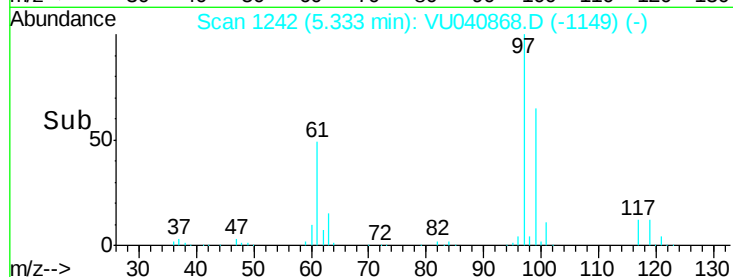
61 49.7 39.0 58.6



Abundance Ion 96.95 (96.65 to 97.65): VU040868.D (-1149) (-)

Ion 99.05 (98.75 to 99.75): VU040868.D (-1149) (-)

Ion 61.05 (60.75 to 61.75): VU040868.D (-1149) (-)



#30

Cyclohexane

Concen: 11.095 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VU040868.D

Acq: 21 Oct 2020 12:37

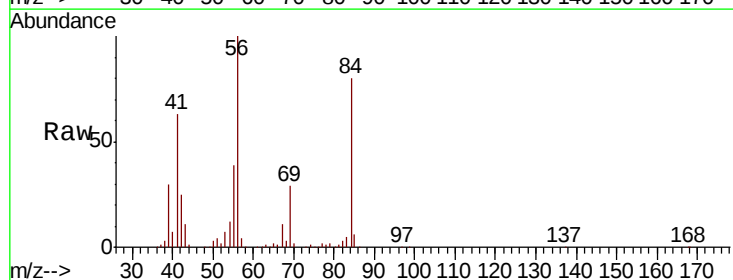
Tgt Ion: 56 Resp: 357611

Ion Ratio Lower Upper

56 100

69 29.5 22.6 33.8

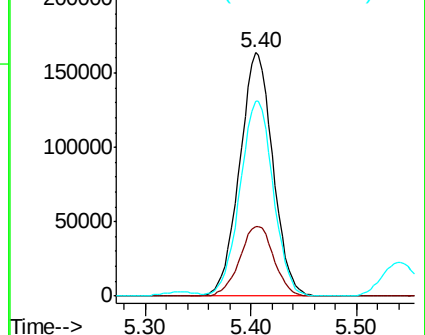
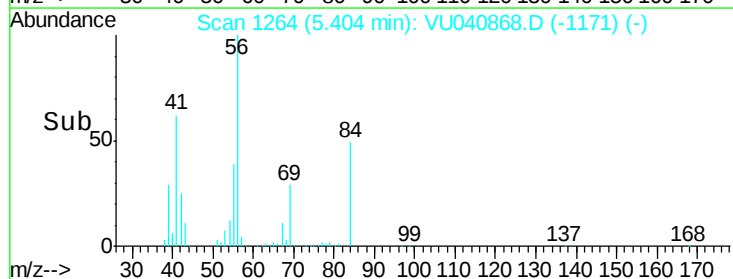
84 80.2 63.0 94.6

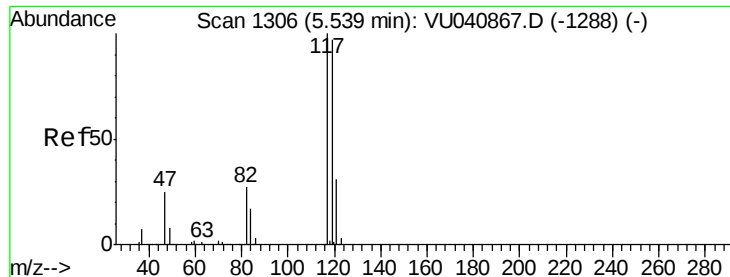


Abundance Ion 56.10 (55.80 to 56.80): VU040868.D (-1171) (-)

Ion 69.15 (68.85 to 69.85): VU040868.D (-1171) (-)

Ion 84.15 (83.85 to 84.85): VU040868.D (-1171) (-)

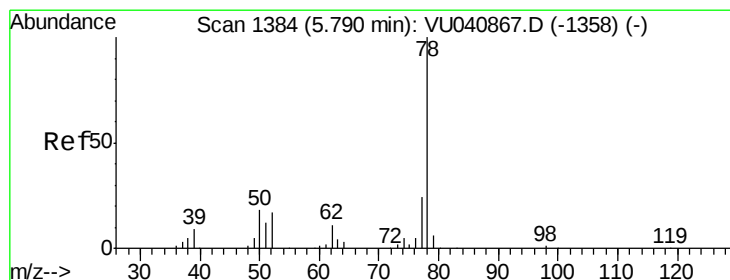
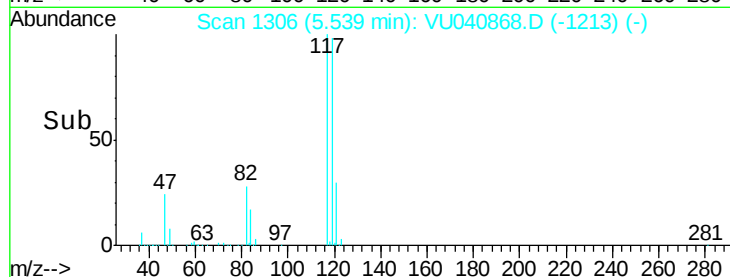
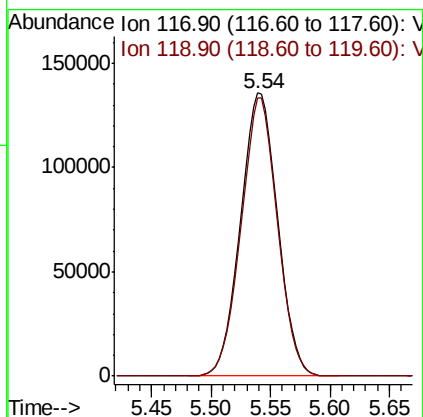
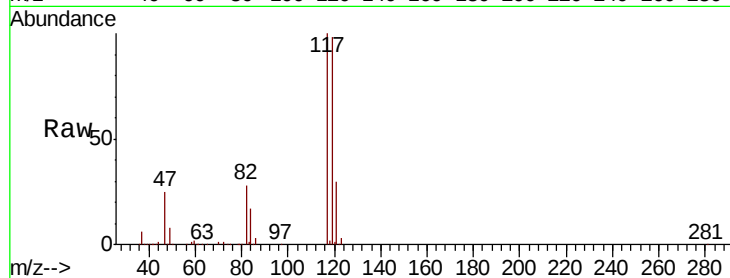




#31
Carbon tetrachloride
Concen: 9.908 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VU040868.D
Acq: 21 Oct 2020 12:37

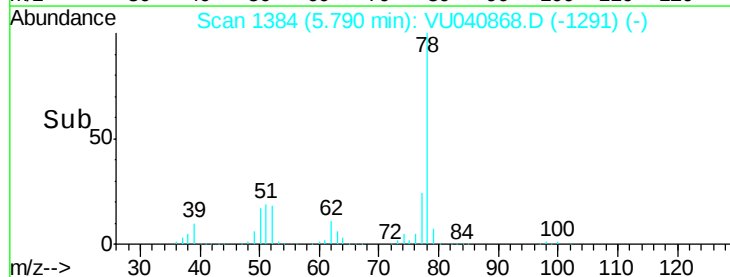
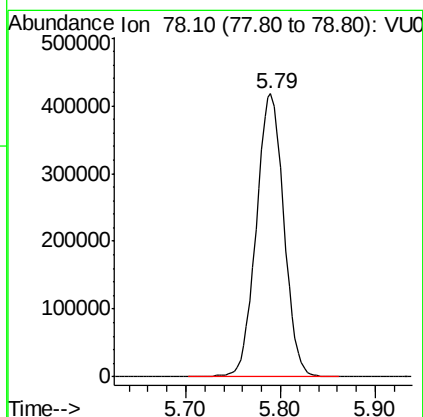
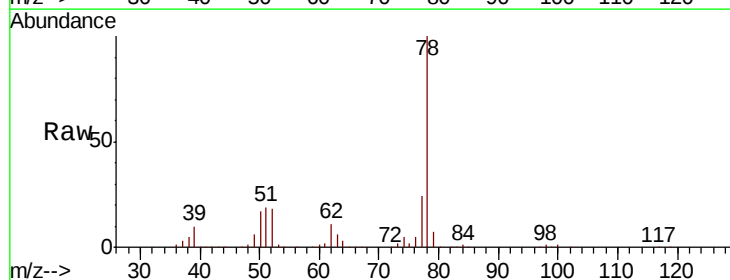
Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

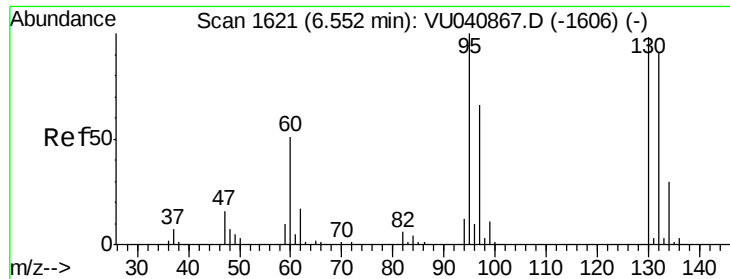
Tot Ion:117 Resp: 292674
Ion Ratio Lower Upper
117 100
119 96.2 77.2 115.8



#33
Benzene
Concen: 10.227 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. -0.00 min
Lab File: VU040868.D
Acq: 21 Oct 2020 12:37

Tgt Ion: 78 Resp: 846947





#34

Trichloroethene

Concen: 10.005 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040868.D

Acq: 21 Oct 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

Tot Ion: 95 Resp: 213103

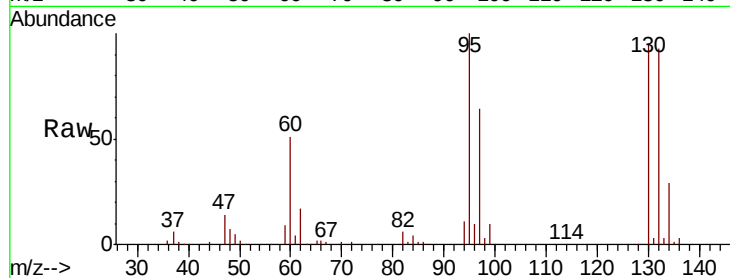
Ion Ratio Lower Upper

95 100

97 63.7 46.0 85.4

132 93.3 63.6 118.2

130 94.5 68.6 127.4

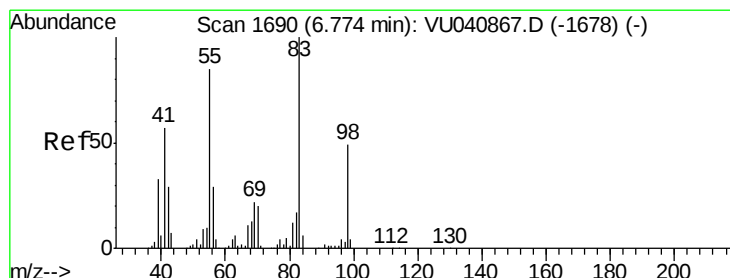
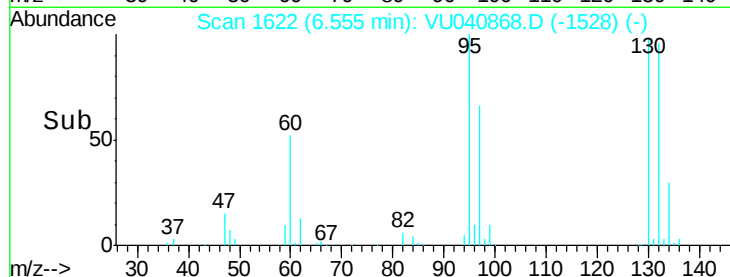
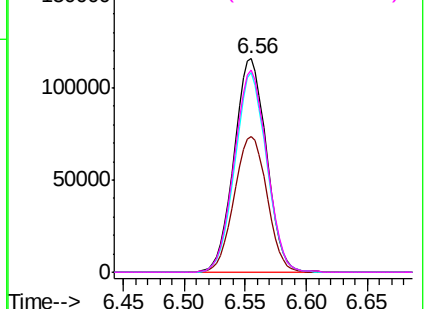


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 11.199 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU040868.D

Acq: 21 Oct 2020 12:37

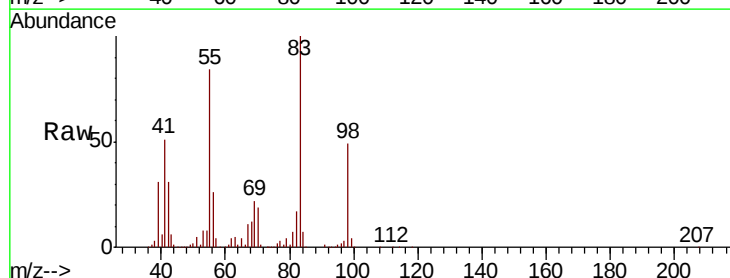
Tgt Ion: 83 Resp: 343454

Ion Ratio Lower Upper

83 100

55 85.3 69.1 103.7

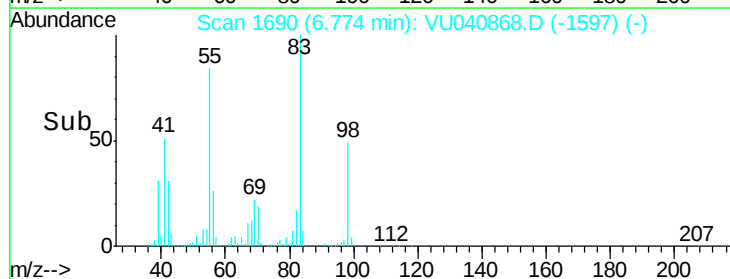
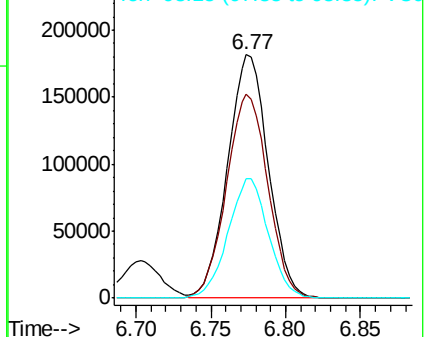
98 48.8 37.8 56.6

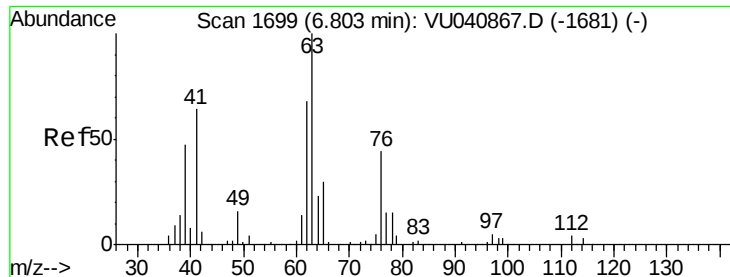


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

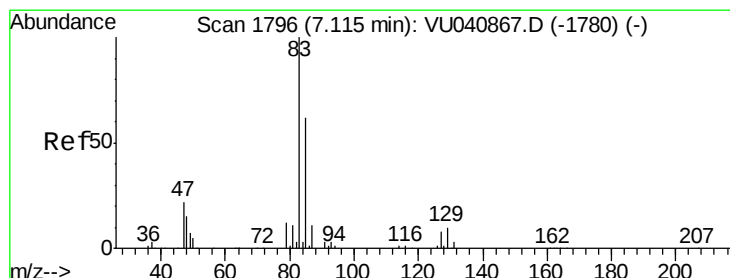
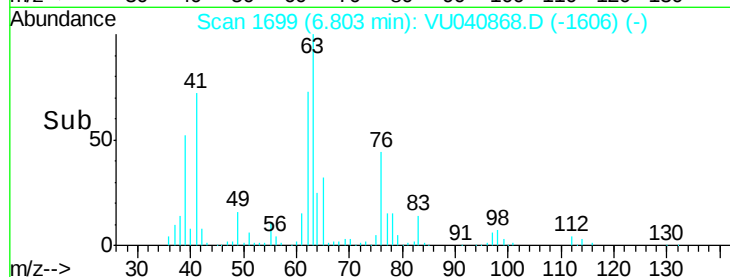
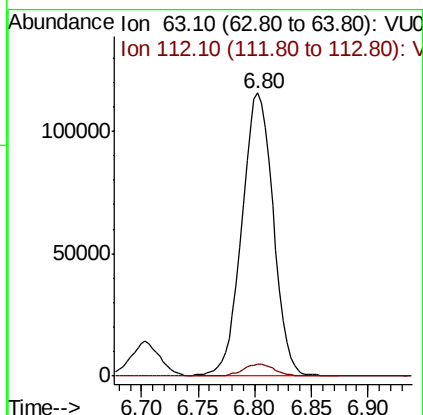
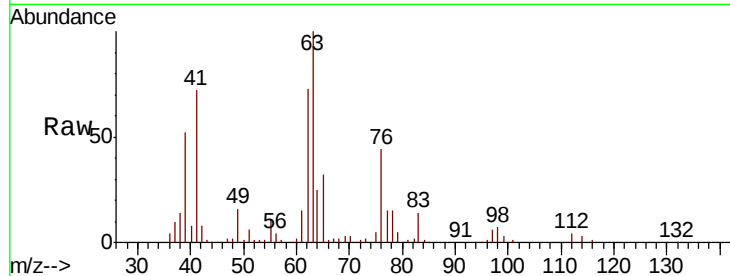




#37
 1,2-Dichloropropane
 Concen: 9.747 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU040868.D
 Acq: 21 Oct 2020 12:37

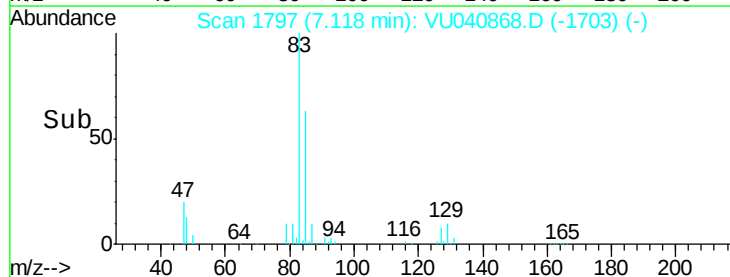
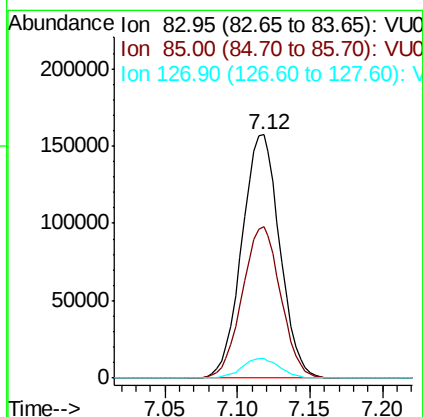
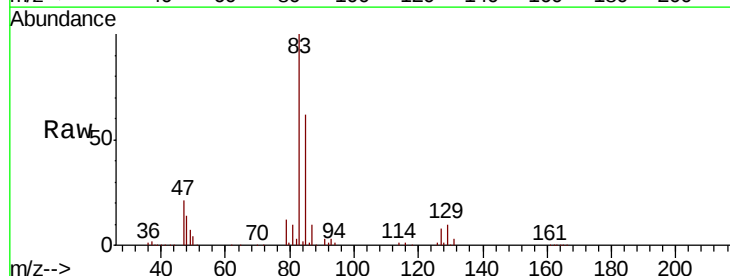
Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD01003

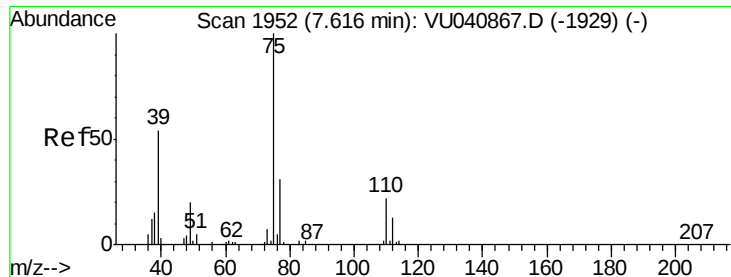
Tot Ion: 63 Resp: 222842
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.0 4.6



#38
 Bromodichloromethane
 Concen: 9.824 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU040868.D
 Acq: 21 Oct 2020 12:37

Tgt Ion: 83 Resp: 286343
 Ion Ratio Lower Upper
 83 100
 85 62.3 43.3 80.5
 127 7.8 6.2 9.4

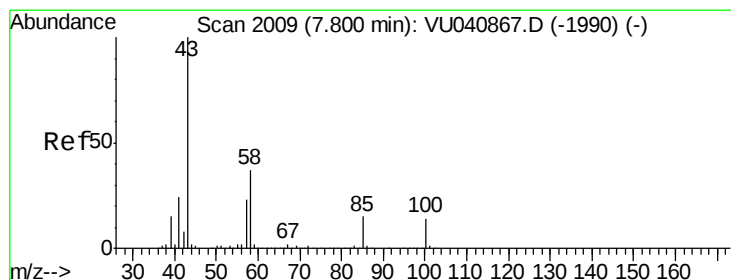
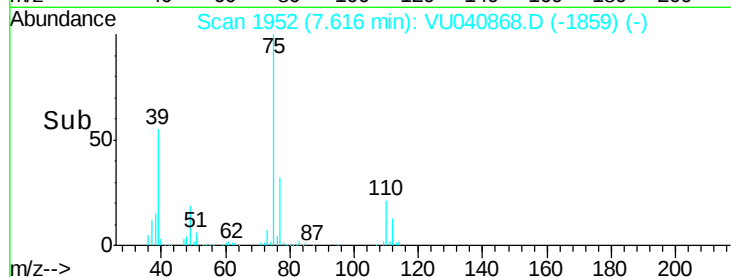
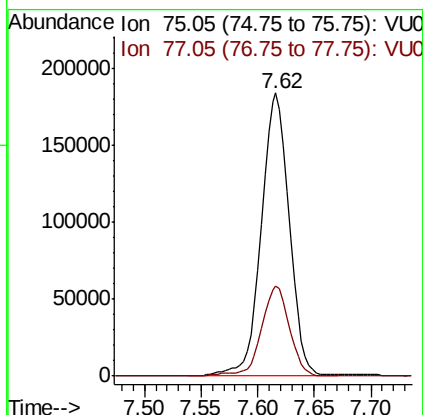
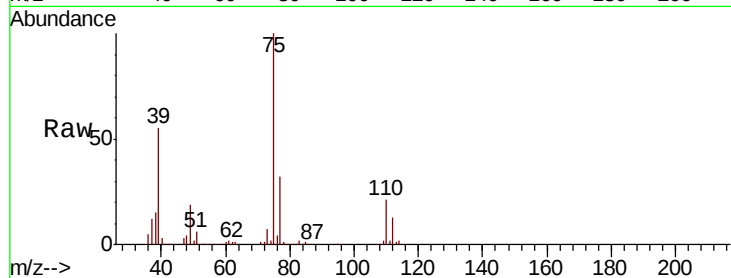




#39
 cis-1,3-Dichloropropene
 Concen: 10.154 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU040868.D
 Acq: 21 Oct 2020 12:37

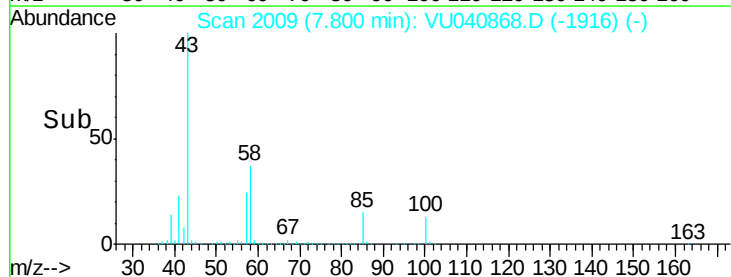
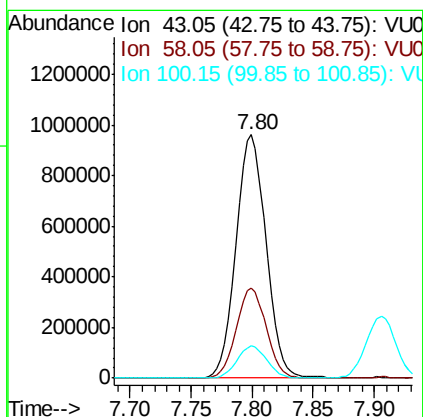
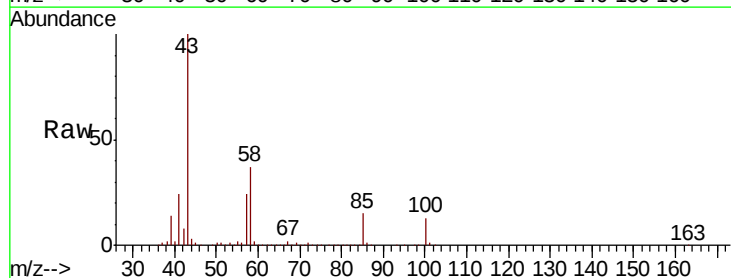
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

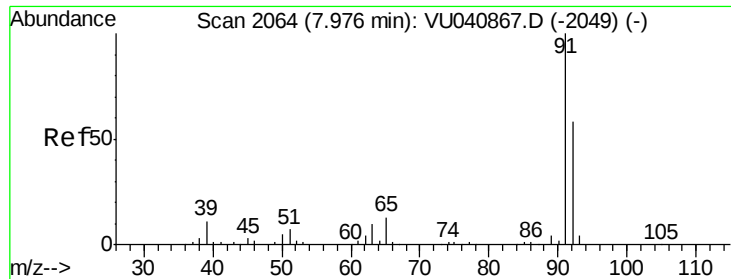
Tot Ion: 75 Resp: 316590
 Ion Ratio Lower Upper
 75 100
 77 32.0 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 93.149 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040868.D
 Acq: 21 Oct 2020 12:37

Tgt Ion: 43 Resp: 1640562
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.7 44.5
 100 13.1 10.6 16.0





#42

Toluene

Concen: 10.546 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040868.D

Acq: 21 Oct 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

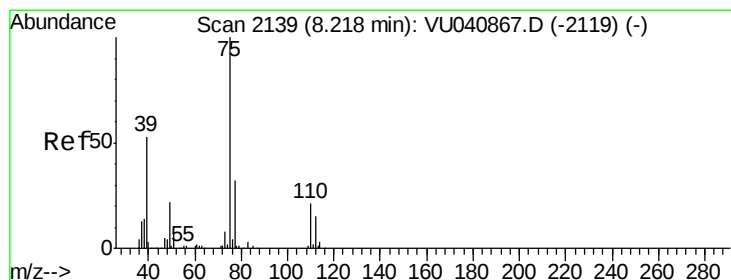
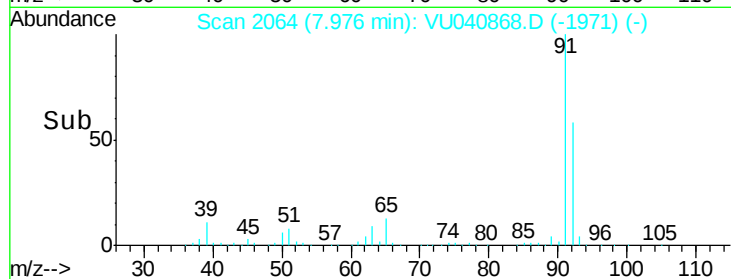
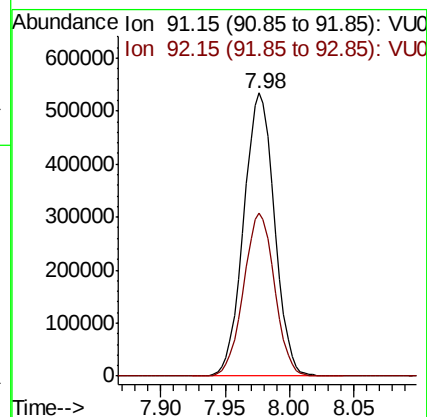
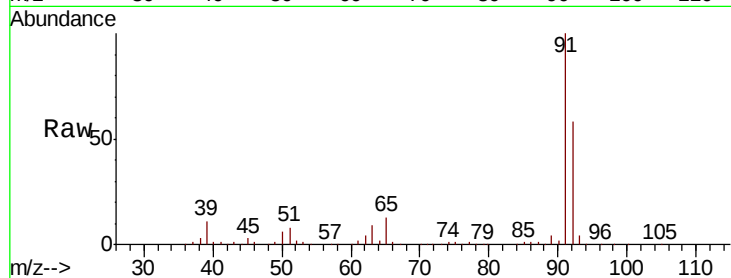
VSTD01003

Tot Ion: 91 Resp: 887192

Ion Ratio Lower Upper

91 100

92 57.8 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 10.110 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU040868.D

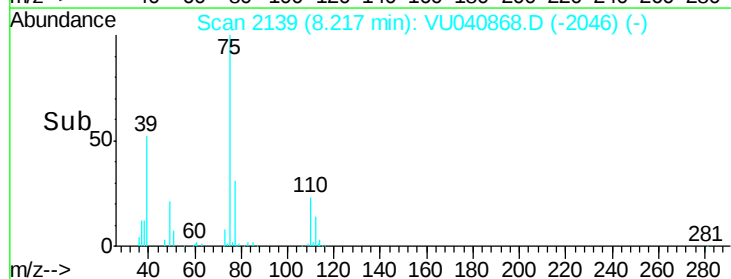
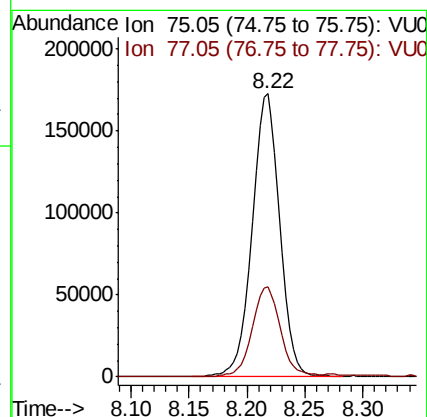
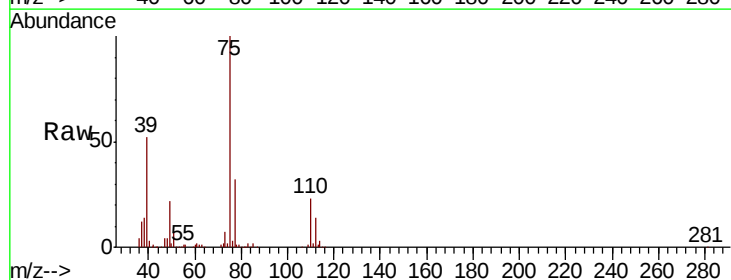
Acq: 21 Oct 2020 12:37

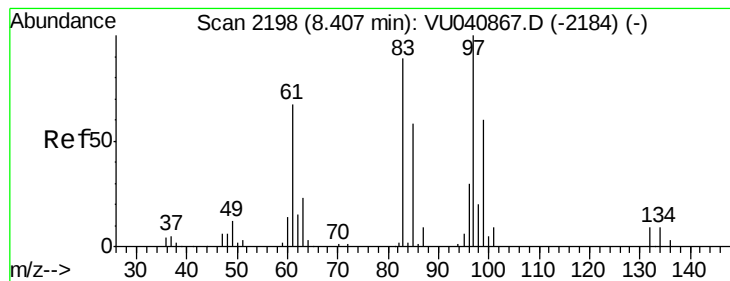
Tgt Ion: 75 Resp: 288137

Ion Ratio Lower Upper

75 100

77 31.7 22.6 42.0





#45

1,1,2-Trichloroethane

Concen: 8.908 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU040868.D

Acq: 21 Oct 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

Tot Ion: 97 Resp: 150456

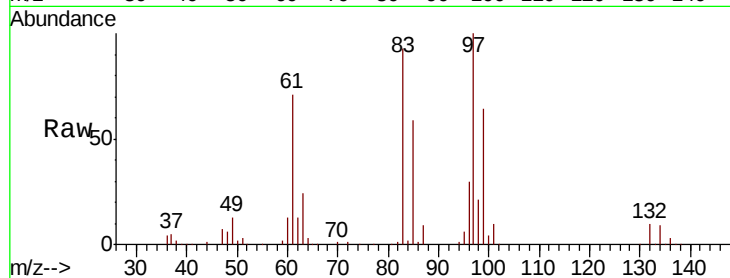
Ion Ratio Lower Upper

97 100

99 64.0 42.1 78.1

83 92.6 62.0 115.2

85 59.5 40.3 74.8

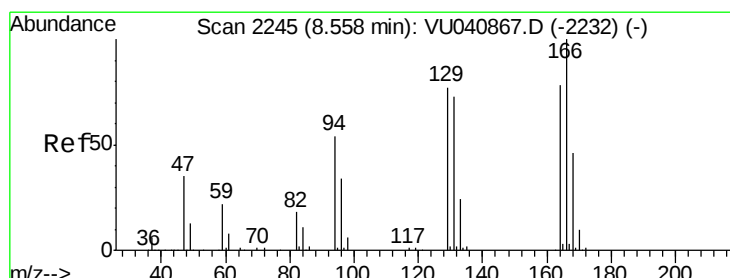
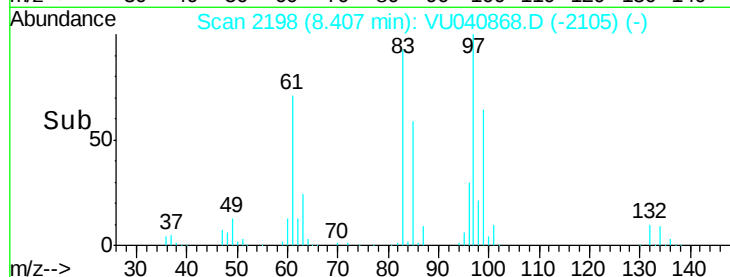
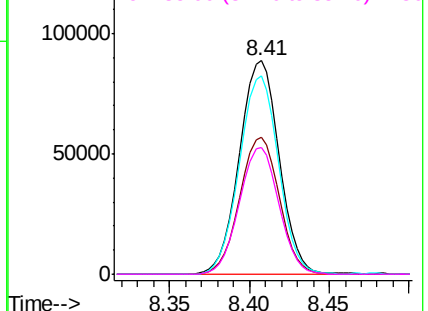


Abundance Ion 96.95 (96.65 to 97.65): VU040868.D (-2105) (-)

Ion 99.05 (98.75 to 99.75): VU040868.D (-2105) (-)

Ion 82.95 (82.65 to 83.65): VU040868.D (-2105) (-)

Ion 85.00 (84.70 to 85.70): VU040868.D (-2105) (-)



#47

Tetrachloroethene

Concen: 10.243 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU040868.D

Acq: 21 Oct 2020 12:37

Tgt Ion: 164 Resp: 155884

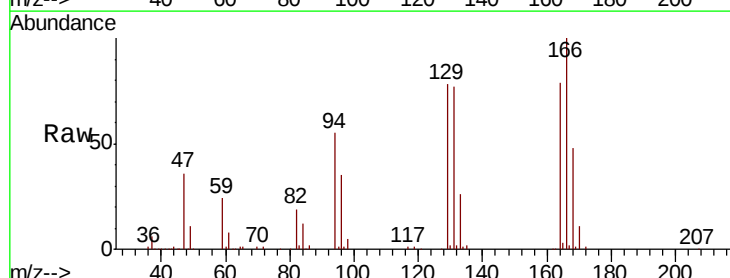
Ion Ratio Lower Upper

164 100

129 99.1 69.7 129.4

131 97.8 65.4 121.4

166 127.3 90.0 167.2

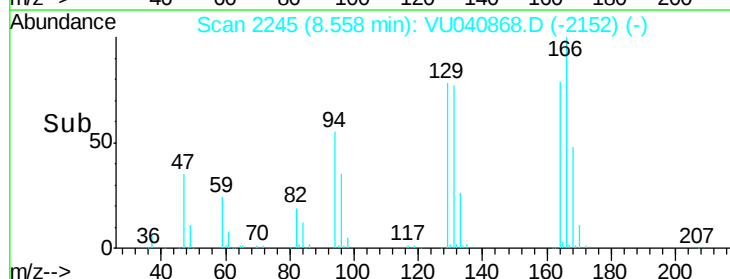
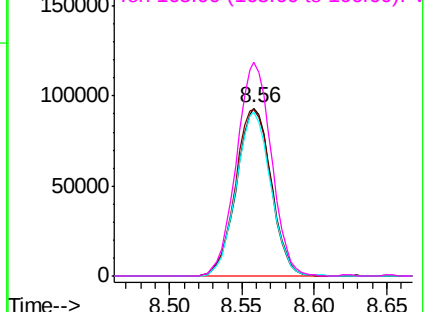


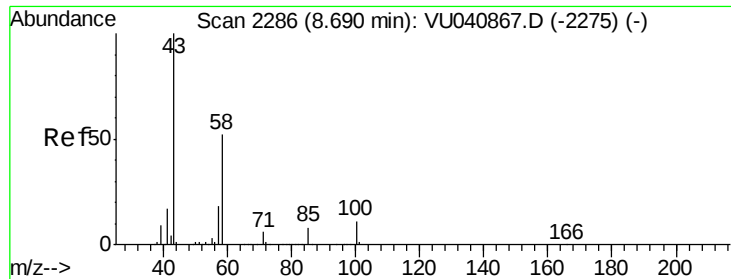
Abundance Ion 163.90 (163.60 to 164.60): VU040868.D (-2152) (-)

Ion 128.95 (128.65 to 129.65): VU040868.D (-2152) (-)

Ion 130.95 (130.65 to 131.65): VU040868.D (-2152) (-)

Ion 165.90 (165.60 to 166.60): VU040868.D (-2152) (-)

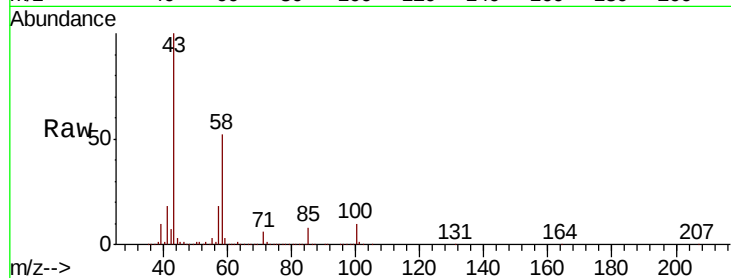




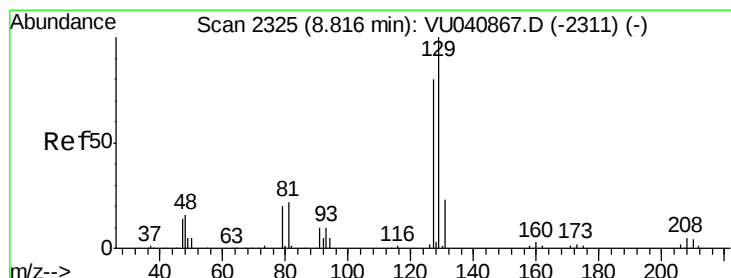
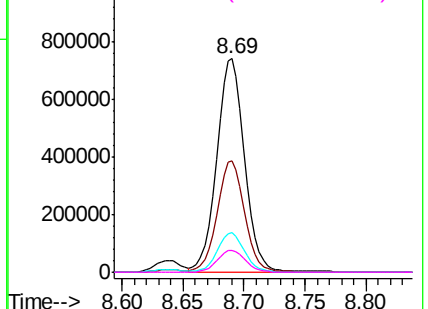
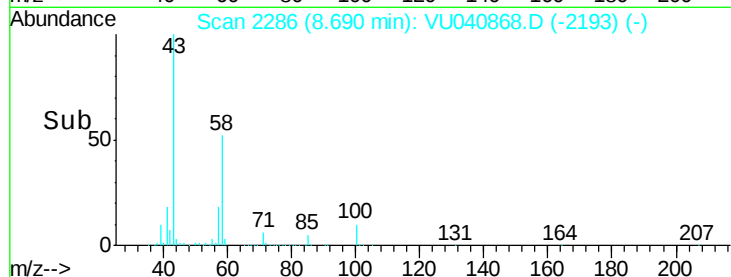
#48
2-Hexanone
Concen: 90.261 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040868.D
Acq: 21 Oct 2020 12:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

Tot Ion: 43 Resp: 1180238
Ion Ratio Lower Upper
43 100
58 51.9 40.9 61.3
57 18.3 14.4 21.6
100 10.4 8.3 12.5

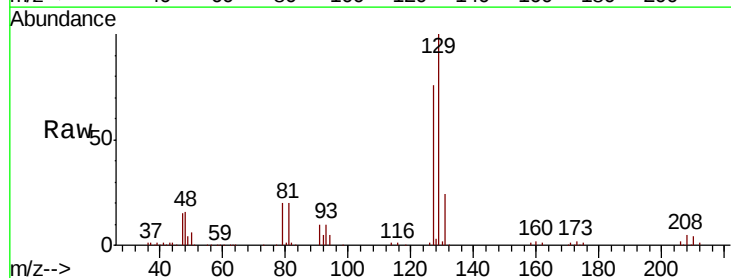


Abundance Ion 43.05 (42.75 to 43.75): VU040868.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU040868.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU040868.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU040868.D (-2193) (-)

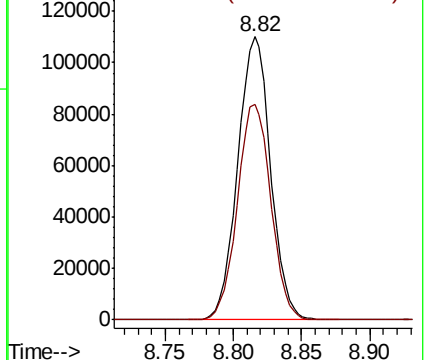
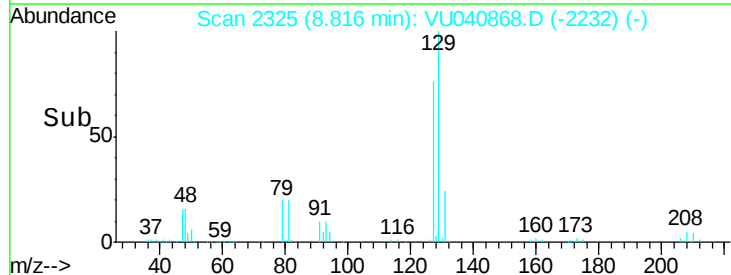


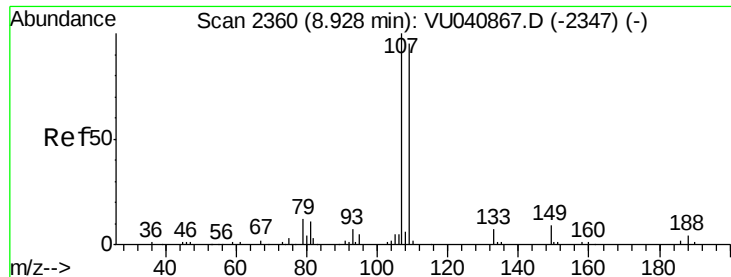
#49
Dibromochloromethane
Concen: 9.460 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU040868.D
Acq: 21 Oct 2020 12:37

Tgt Ion: 129 Resp: 184098
Ion Ratio Lower Upper
129 100
127 76.4 55.9 103.9



Abundance Ion 128.95 (128.65 to 129.65): VU040868.D (-2232) (-)
Ion 126.90 (126.60 to 127.60): VU040868.D (-2232) (-)

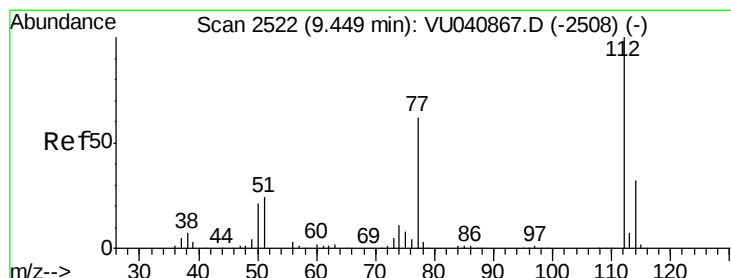
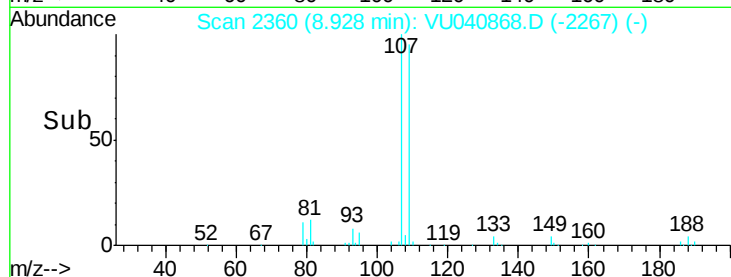
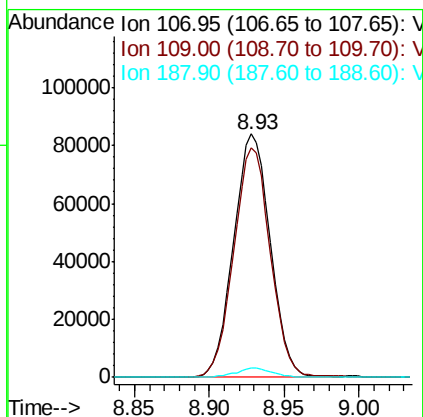
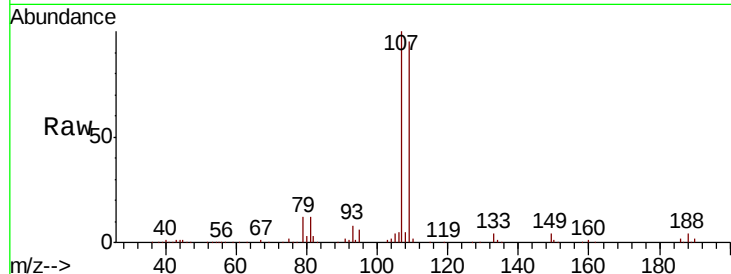




#50
 1,2-Dibromoethane
 Concen: 8.932 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU040868.D
 Acq: 21 Oct 2020 12:37

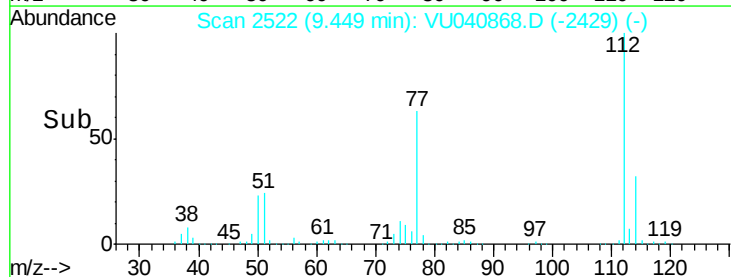
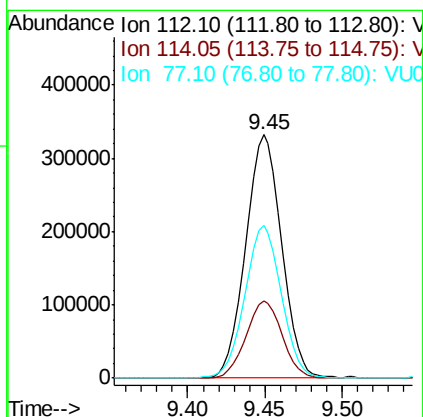
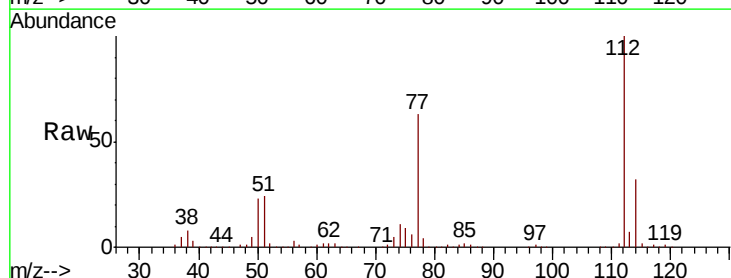
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

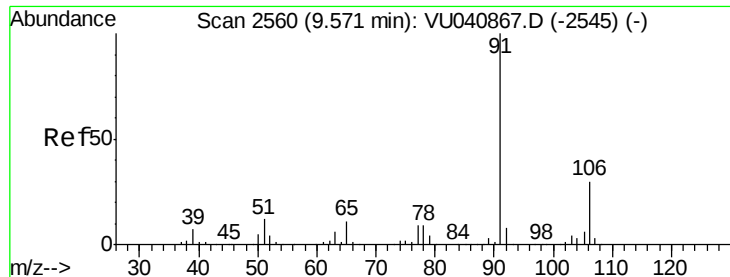
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	66.2	123.0
188	3.8	3.1	4.7



#51
 Chlorobenzene
 Concen: 9.775 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU040868.D
 Acq: 21 Oct 2020 12:37

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.3	41.3
77	62.7	49.8	74.6





#52

Ethylbenzene

Concen: 10.662 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040868.D

Acq: 21 Oct 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

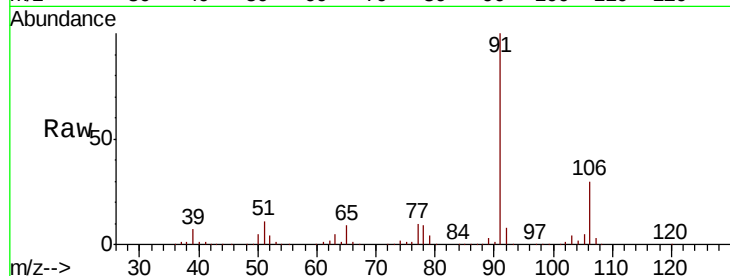
VSTD01003

Tot Ion: 91 Resp: 964107

Ion Ratio Lower Upper

91 100

106 29.7 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU040867.D (-2545) (-)

Ion 106.15 (105.85 to 106.85): VU040867.D (-2545) (-)

9.57

600000

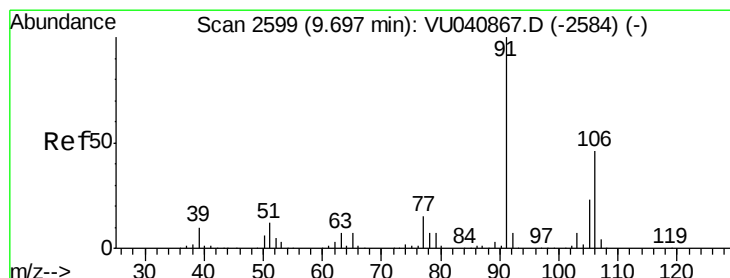
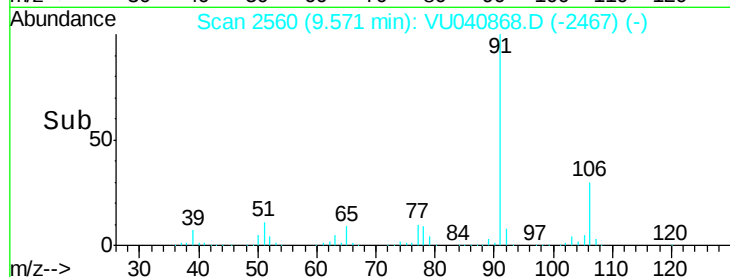
400000

200000

0

9.50 9.55 9.60 9.65

Time-->



#53

m,p-Xylene

Concen: 10.943 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU040868.D

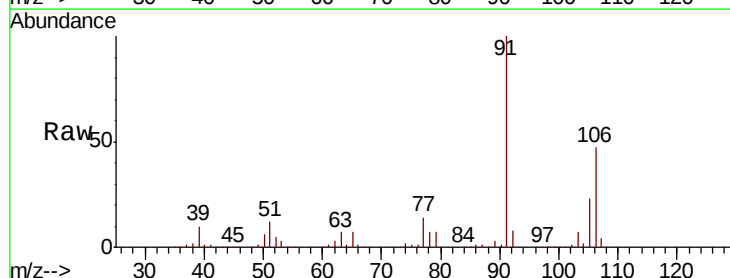
Acq: 21 Oct 2020 12:37

Tgt Ion: 106 Resp: 359908

Ion Ratio Lower Upper

106 100

91 213.0 153.3 284.7



Abundance Ion 106.15 (105.85 to 106.85): VU040867.D (-2584) (-)

Ion 91.15 (90.85 to 91.85): VU040867.D (-2584) (-)

9.70

500000

400000

300000

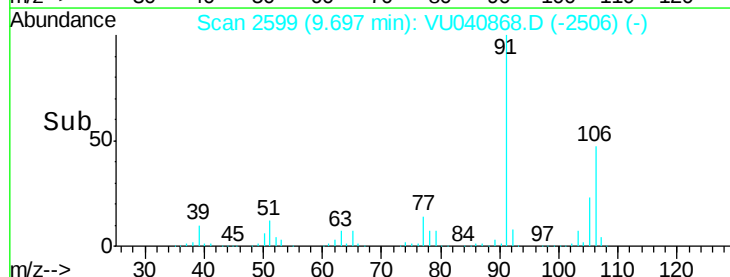
200000

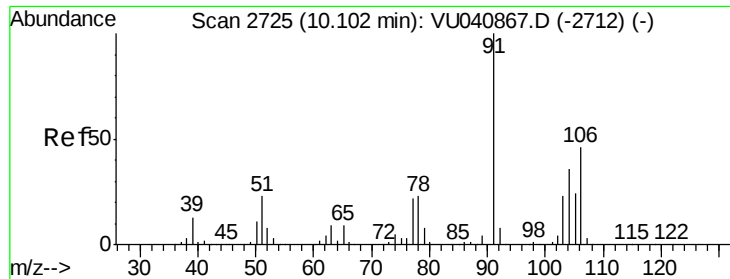
100000

0

9.60 9.65 9.70 9.75

Time-->

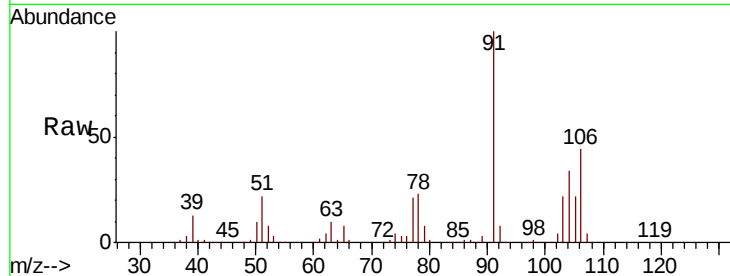




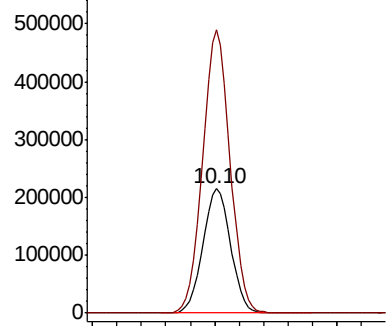
#54
o-Xylene
Concen: 10.825 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU040868.D
Acq: 21 Oct 2020 12:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

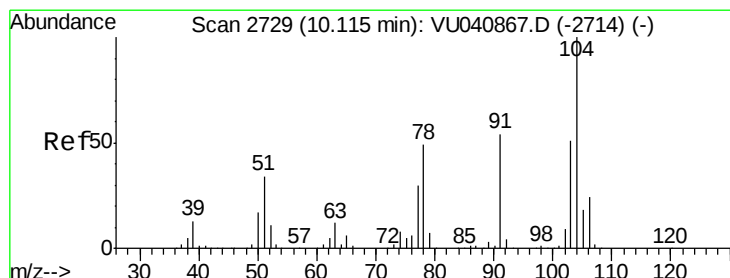
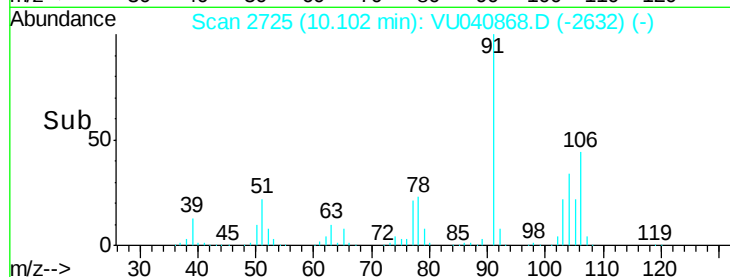
Tot Ion:106 Resp: 340983
Ion Ratio Lower Upper
106 100
91 228.0 153.6 285.2



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

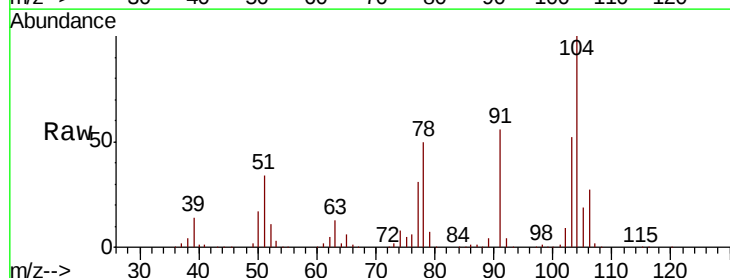


Time--> 10.00 10.10 10.20

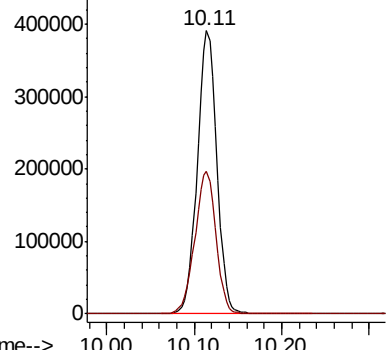


#55
Styrene
Concen: 11.043 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040868.D
Acq: 21 Oct 2020 12:37

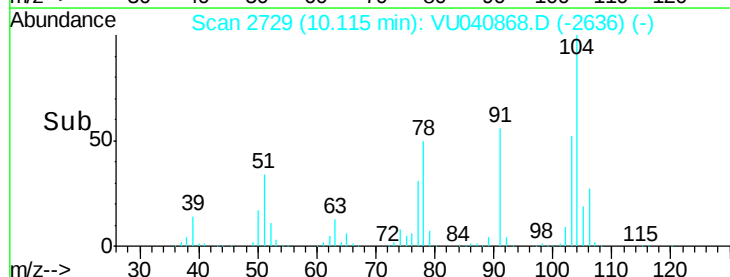
Tgt Ion:104 Resp: 606912
Ion Ratio Lower Upper
104 100
78 50.4 34.6 64.3

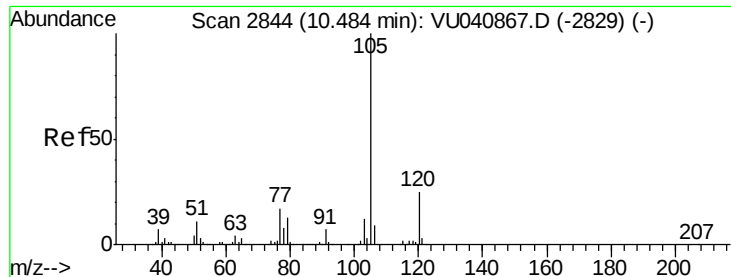


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0



Time--> 10.00 10.10 10.20





#56

Isopropylbenzene

Concen: 10.819 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU040868.D

Acq: 21 Oct 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

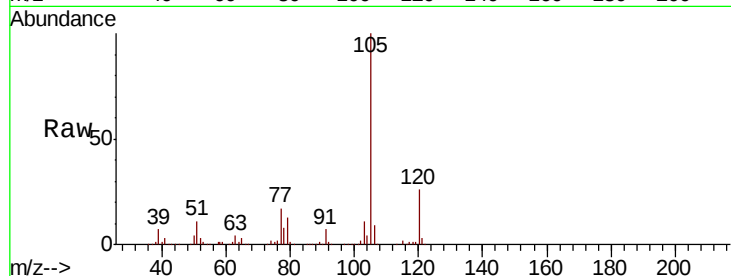
Tot Ion:105 Resp: 920714

Ion Ratio Lower Upper

105 100

120 25.9 20.2 30.4

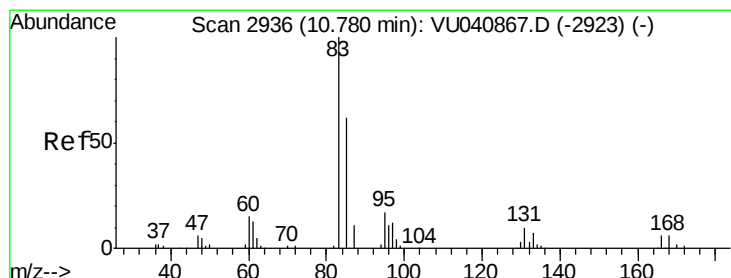
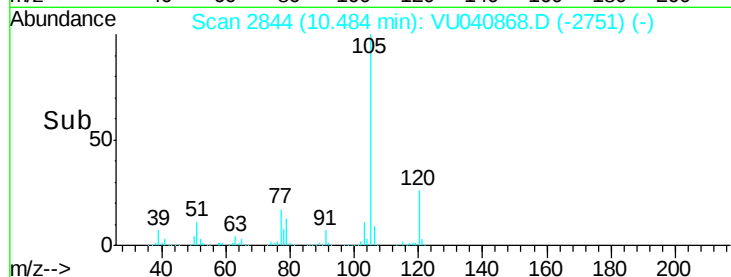
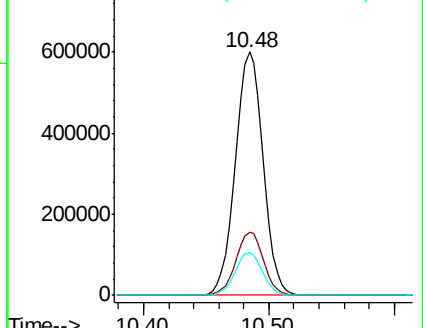
77 17.4 13.6 20.4



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: 8.907 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040868.D

Acq: 21 Oct 2020 12:37

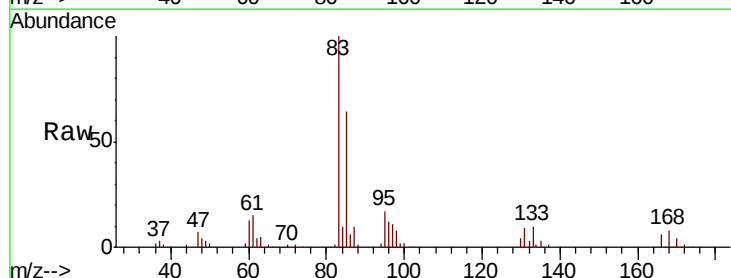
Tgt Ion: 83 Resp: 197170

Ion Ratio Lower Upper

83 100

85 63.7 44.1 81.9

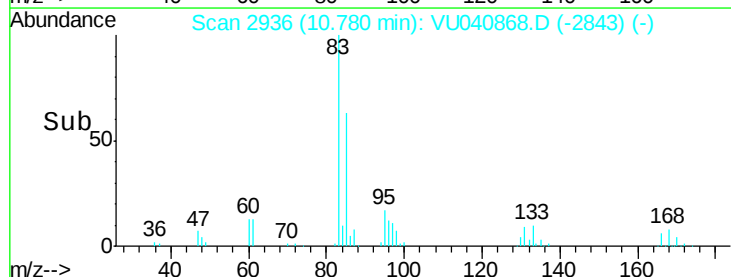
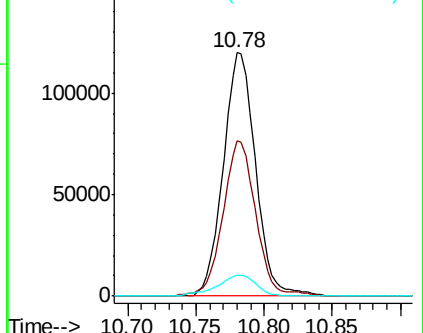
131 8.6 8.1 12.1

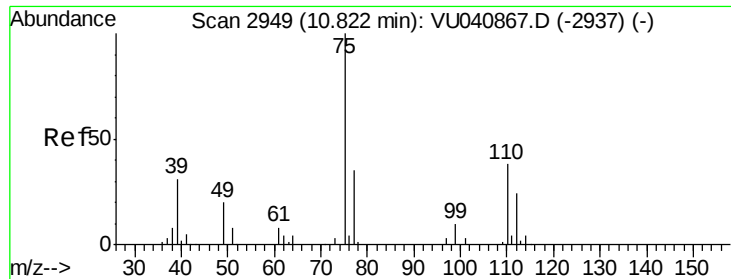


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 8.819 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU040868.D

Acq: 21 Oct 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

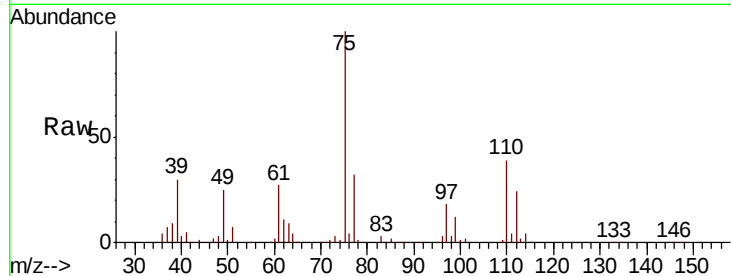
VSTD01003

Tot Ion: 75 Resp: 145564

Ion Ratio Lower Upper

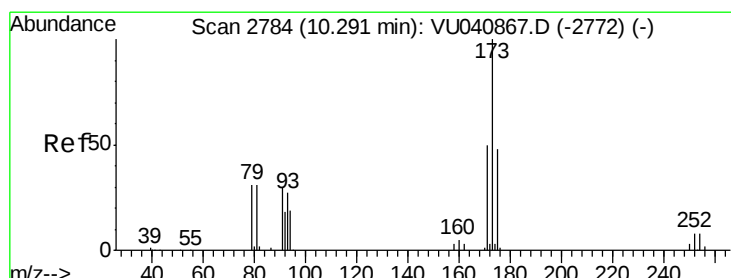
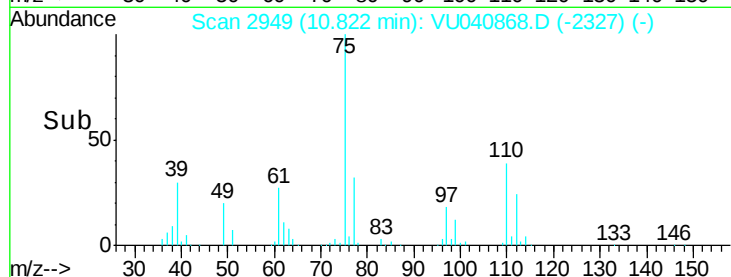
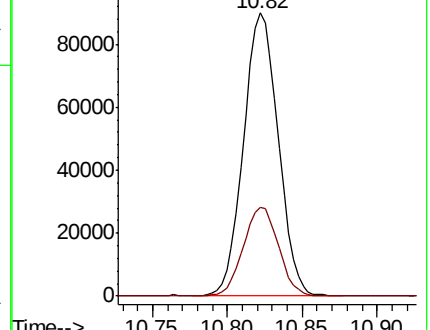
75 100

77 31.8 27.5 41.3



Abundance Ion 75.00 (74.70 to 75.70): VU040867.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU040867.D (-2937) (-)



#61

Bromoform

Concen: 8.702 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU040868.D

Acq: 21 Oct 2020 12:37

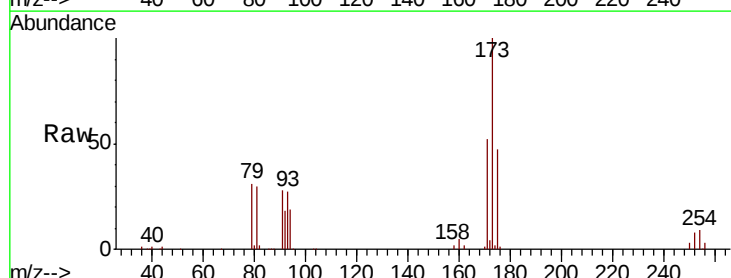
Tgt Ion: 173 Resp: 97894

Ion Ratio Lower Upper

173 100

175 47.8 39.0 58.6

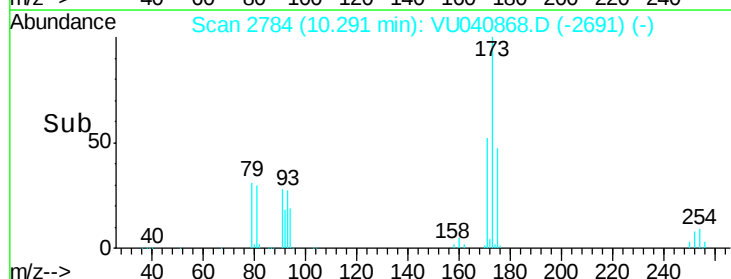
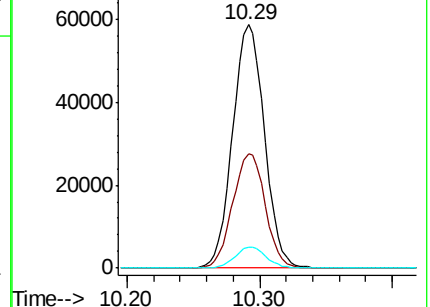
254 8.6 6.9 10.3

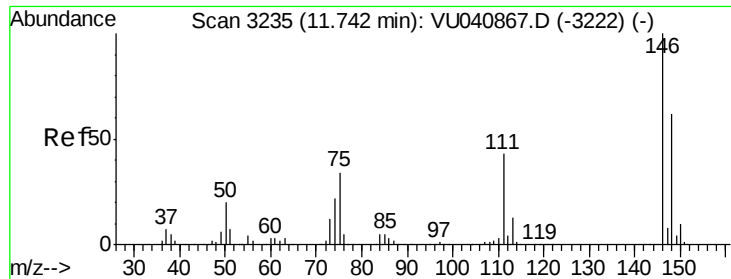


Abundance Ion 172.90 (172.60 to 173.60): VU040867.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU040867.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU040867.D (-2772) (-)





#62

1,3-Dichlorobenzene

Concen: 9.829 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU040868.D

Acq: 21 Oct 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

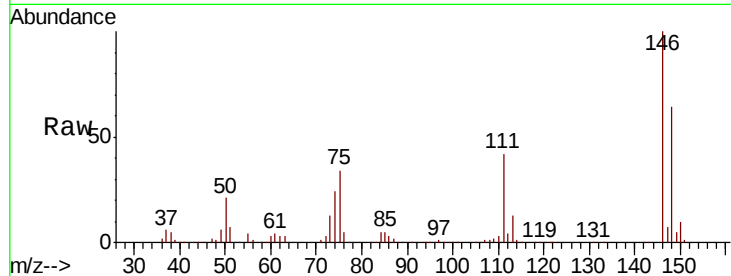
Tot Ion:146 Resp: 434169

Ion Ratio Lower Upper

146 100

111 42.3 30.2 56.2

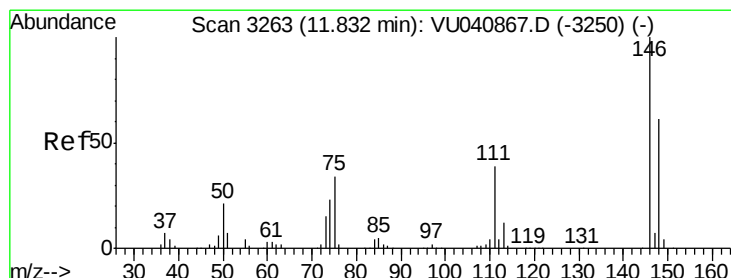
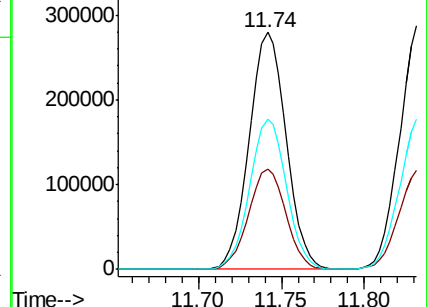
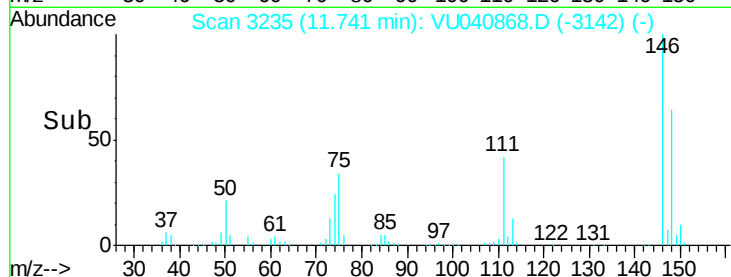
148 63.5 43.7 81.1



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



#63

1,4-Dichlorobenzene

Concen: 9.742 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040868.D

Acq: 21 Oct 2020 12:37

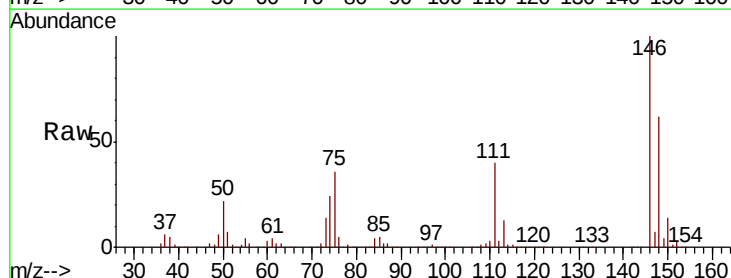
Tgt Ion:146 Resp: 443200

Ion Ratio Lower Upper

146 100

111 40.4 27.6 51.4

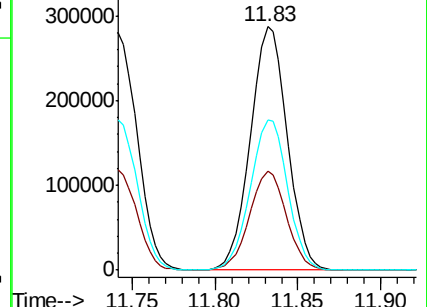
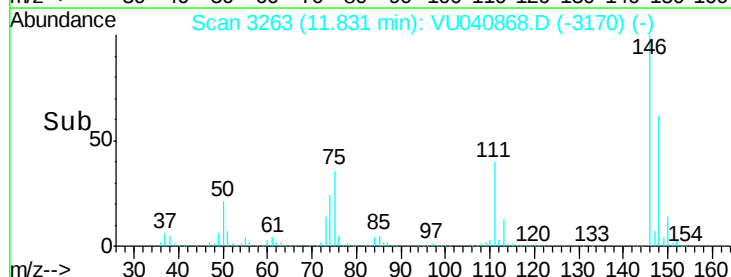
148 61.6 42.4 78.8

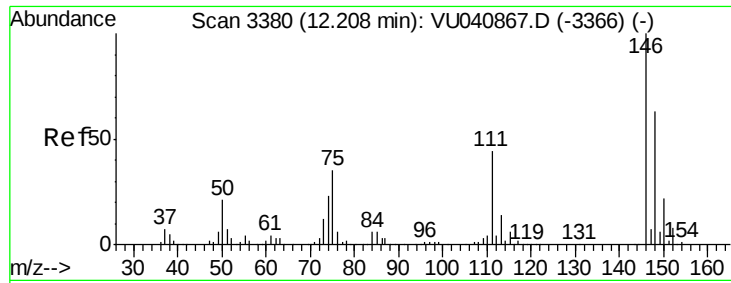


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 9.360 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU040868.D

Acq: 21 Oct 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

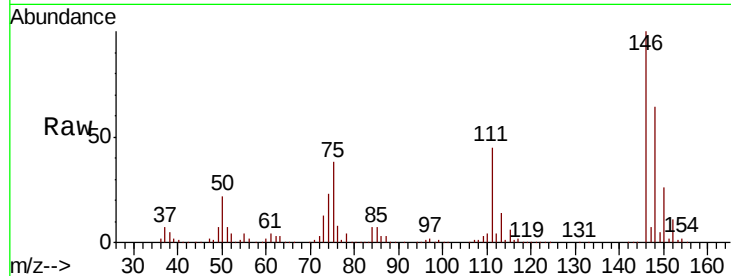
Tot Ion:146 Resp: 400695

Ion Ratio Lower Upper

146 100

111 44.7 35.4 53.2

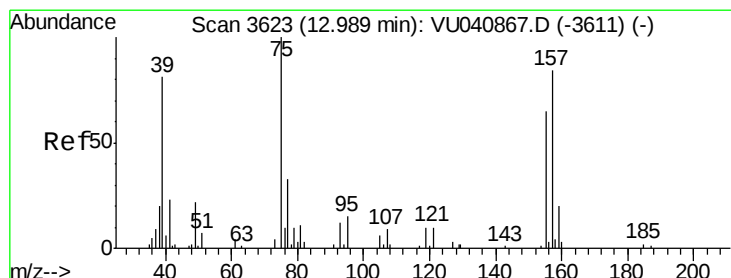
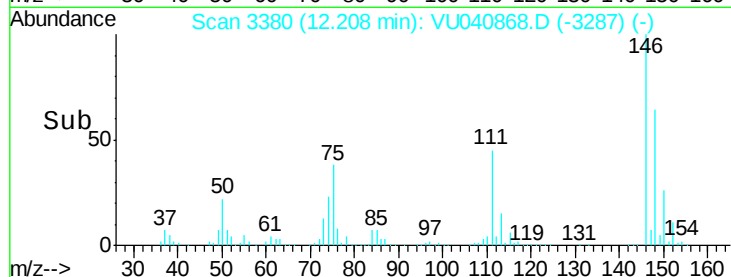
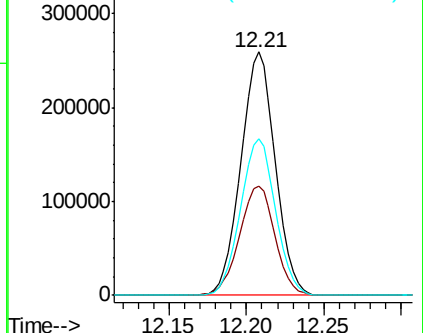
148 64.2 50.7 76.1



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: 8.984 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU040868.D

Acq: 21 Oct 2020 12:37

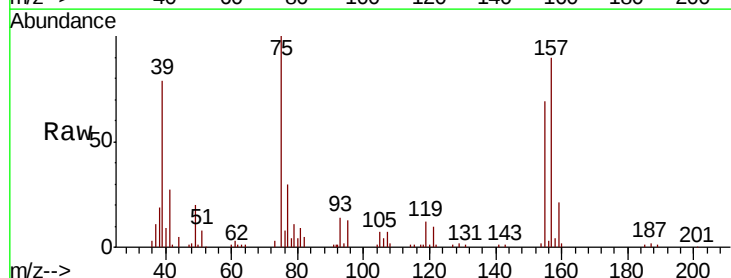
Tgt Ion: 75 Resp: 33611

Ion Ratio Lower Upper

75 100

155 69.3 51.7 77.5

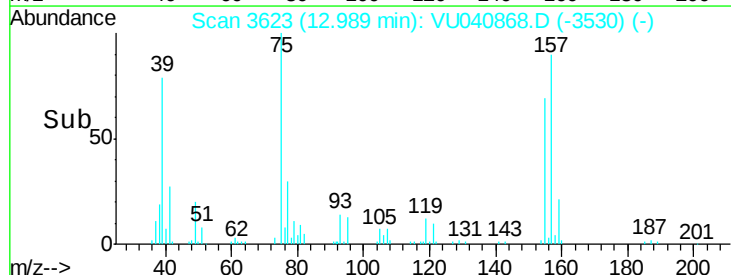
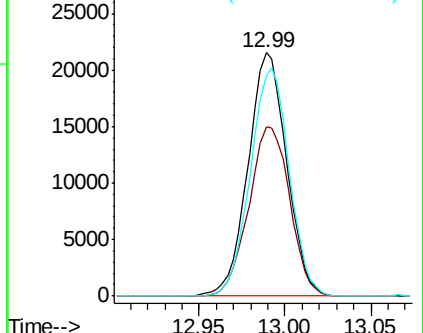
157 90.5 66.9 100.3

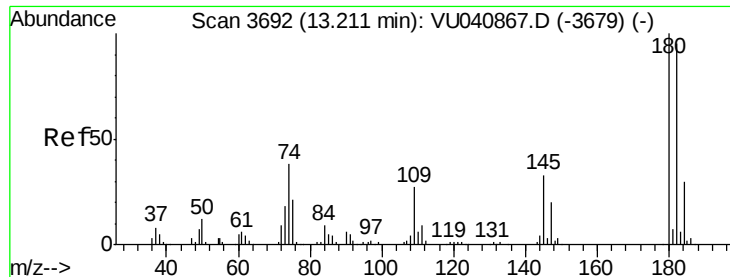


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

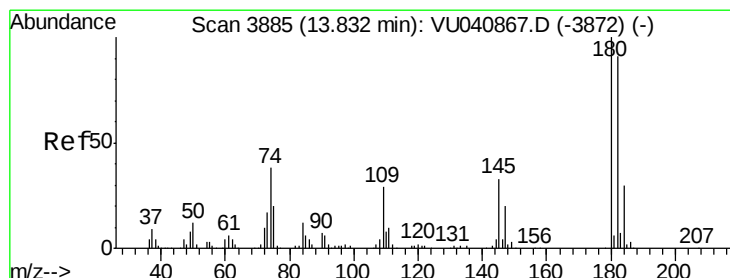
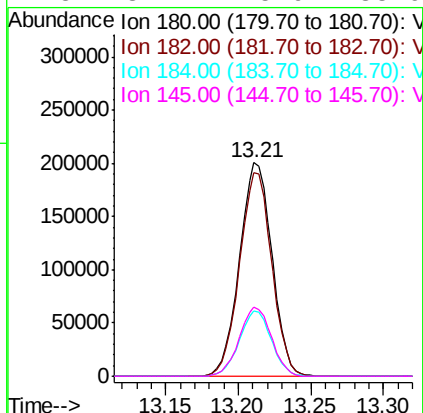
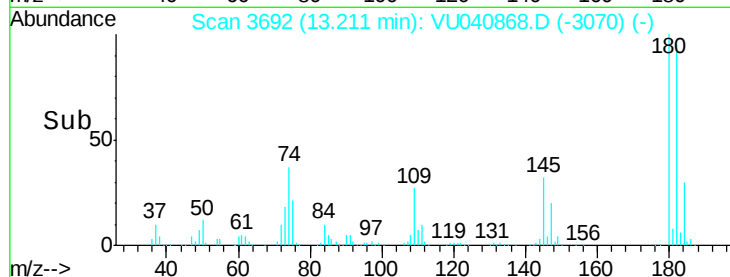
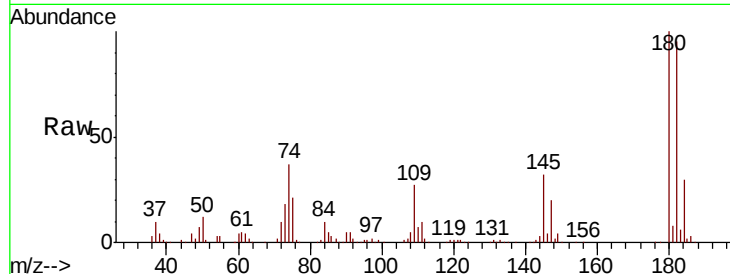




#67
 1,3,5-Trichlorobenzene
 Concen: 9.950 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040868.D
 Acq: 21 Oct 2020 12:37

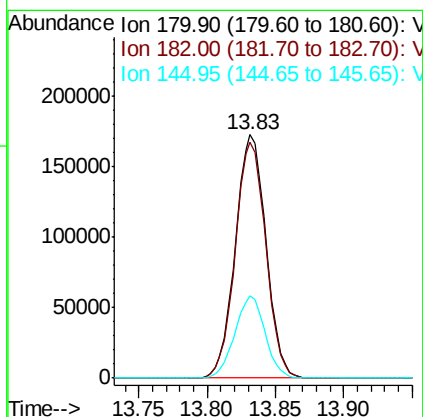
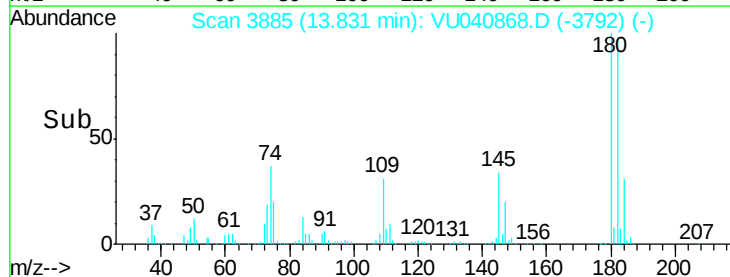
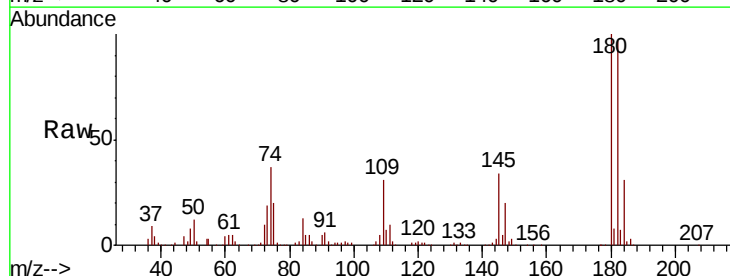
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

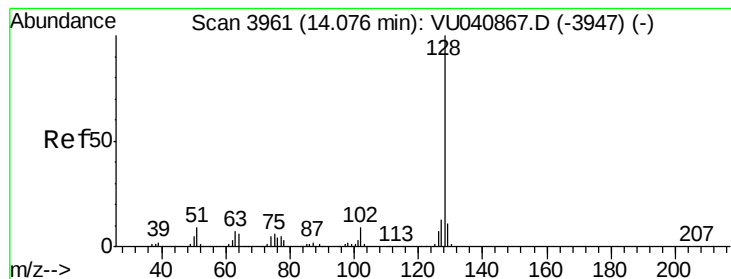
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.6	116.4
184	30.0	24.7	37.1
145	32.2	25.9	38.9



#68
 1,2,4-trichlorobenzene
 Concen: 11.029 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU040868.D
 Acq: 21 Oct 2020 12:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.4	114.6
145	33.2	26.2	39.2





#69

Naphthalene

Concen: 12.700 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU040868.D

Acq: 21 Oct 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

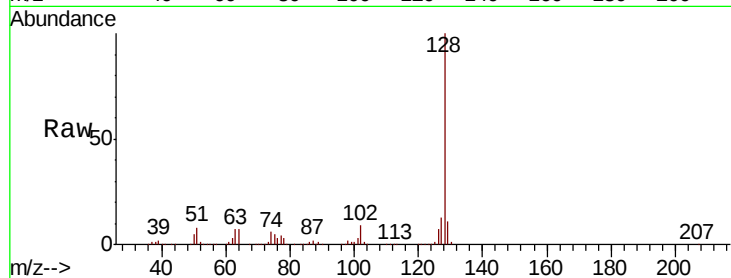
Tot Ion:128 Resp: 519806

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

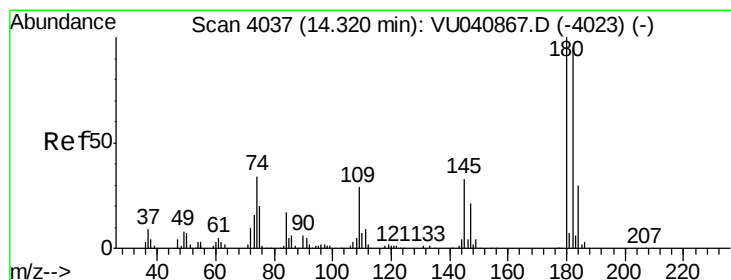
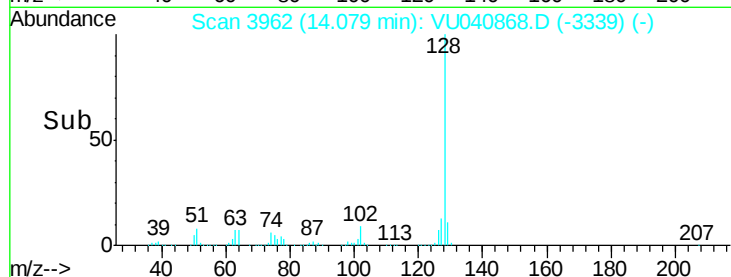
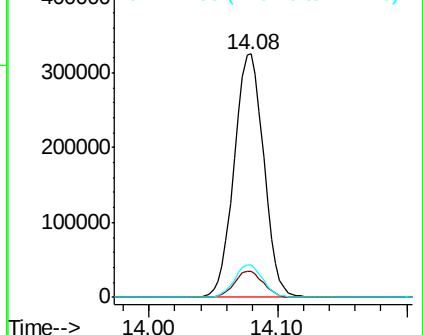
127 12.9 10.3 15.5



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: 11.299 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU040868.D

Acq: 21 Oct 2020 12:37

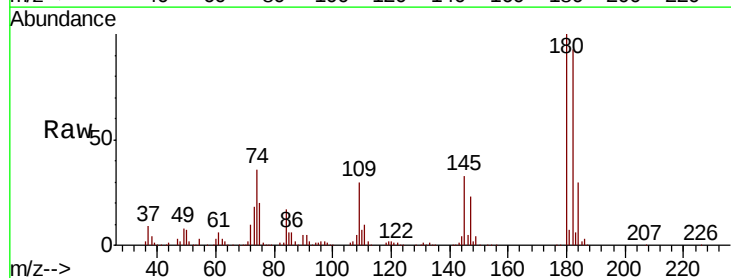
Tgt Ion:180 Resp: 256937

Ion Ratio Lower Upper

180 100

182 94.9 75.8 113.6

145 34.2 28.2 42.2



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

