

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120420\
 Data File : VU041463.D
 Acq On : 04 Dec 2020 10:52
 Operator : SY/MD
 Sample : VSTD01003
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

Quant Time: Dec 05 04:56:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 05 04:54:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	58725	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	57172	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	32645	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	32353	9.94	ug/L	0.00
7) Chloroethane-d5	1.92	69	27375	9.88	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	76144	9.81	ug/L	0.00
20) 2-Butanone-d5	4.65	46	123758	110.18	ug/L	0.00
24) Chloroform-d	5.08	84	87699	10.35	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	57506	10.22	ug/L	0.00
32) Benzene-d6	5.74	84	133938	10.26	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	39839	10.56	ug/L	0.00
41) Toluene-d8	7.90	98	136035	10.94	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.18	79	24470	11.15	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	103228	120.08	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	43492	10.34	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	57547	9.87	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	52994	8.971	ug/L 97
3) Chloromethane	1.53	50	33165	8.801	ug/L 95
5) Vinyl chloride	1.61	62	39123	9.195	ug/L 99
6) Bromomethane	1.87	94	28036	9.584	ug/L 97
8) Chloroethane	1.94	64	24696	8.569	ug/L 96
9) Trichlorofluoromethane	2.15	101	90682	9.563	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	40659	10.245	ug/L 97
12) 1,1-Dichloroethene	2.59	96	35228	10.053	ug/L 100
13) Acetone	2.66	43	87263	100.032	ug/L 99
14) Carbon disulfide	2.81	76	104536	10.554	ug/L 99
15) Methyl Acetate	2.97	43	17469	9.669	ug/L 100
16) Methylene chloride	3.06	84	37713	7.479	ug/L 97
17) Methyl tert-butyl Ether	3.38	73	108713	9.838	ug/L 98
18) trans-1,2-Dichloroethene	3.37	96	35530	9.719	ug/L 94
19) 1,1-Dichloroethane	3.89	63	63714	9.086	ug/L 99
21) 2-Butanone	4.73	43	114156	99.541	ug/L 96
22) cis-1,2-Dichloroethene	4.68	96	40193	9.990	ug/L 94
23) Bromochloromethane	4.99	128	20337	9.870	ug/L 98
25) Chloroform	5.11	83	81680	9.382	ug/L 96
27) 1,2-Dichloroethane	5.81	62	65553	9.716	ug/L 100
29) 1,1,1-Trichloroethane	5.33	97	81224	9.519	ug/L 99
30) Cyclohexane	5.40	56	54711	10.616	ug/L 99
31) Carbon tetrachloride	5.54	117	76862	9.994	ug/L 99
33) Benzene	5.79	78	146151	9.822	ug/L 100
34) Trichloroethene	6.55	95	43236	9.838	ug/L 96
35) Methylcyclohexane	6.77	83	63075	10.863	ug/L 97
37) 1,2-Dichloropropane	6.80	63	33932	9.113	ug/L 100
38) Bromodichloromethane	7.11	83	61162	9.560	ug/L 99
39) cis-1,3-Dichloropropene	7.61	75	63111	10.371	ug/L 94
40) 4-Methyl-2-pentanone	7.80	43	276410	101.207	ug/L 99

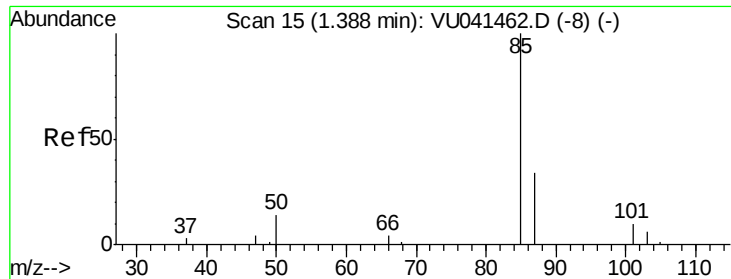
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120420\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 05 04:54:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.97	91	168128	10.294	ug/L	97
44) trans-1,3-Dichloropropene	8.21	75	62930	9.910	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	31579	9.790	ug/L	97
47) Tetrachloroethene	8.56	164	33193	10.006	ug/L	96
48) 2-Hexanone	8.69	43	229179	108.962	ug/L	99
49) Dibromochloromethane	8.81	129	44449	9.890	ug/L	97
50) 1,2-Dibromoethane	8.93	107	32151	10.114	ug/L #	96
51) Chlorobenzene	9.45	112	107105	9.636	ug/L	98
52) Ethylbenzene	9.57	91	189919	9.980	ug/L	97
53) m,p-Xylene	9.69	106	71229	10.221	ug/L	99
54) o-Xylene	10.10	106	68590	10.460	ug/L	99
55) Styrene	10.11	104	119757	10.168	ug/L	97
56) Isopropylbenzene	10.48	105	194529	10.304	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	39905	9.767	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	32488	9.552	ug/L	97
61) Bromoform	10.29	173	27020	9.342	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	92926	9.374	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	95910	9.614	ug/L	95
65) 1,2-Dichlorobenzene	12.20	146	91829	9.485	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	9508	10.007	ug/L	95
67) 1,3,5-Trichlorobenzene	13.21	180	77956	10.166	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	66133	10.654	ug/L	100
69) Naphthalene	14.08	128	114295	11.086	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	58727	10.209	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 8.971 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041463.D

Acq: 04 Dec 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

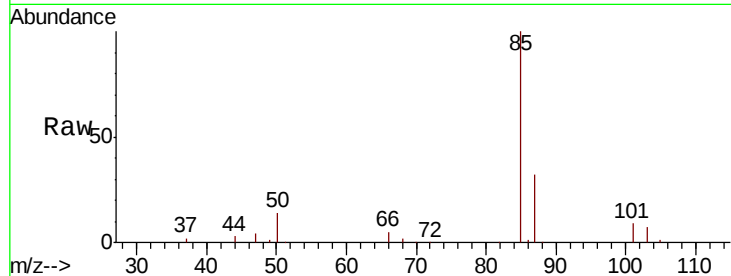
VSTD01003

Tot Ion: 85 Resp: 52994

Ion Ratio Lower Upper

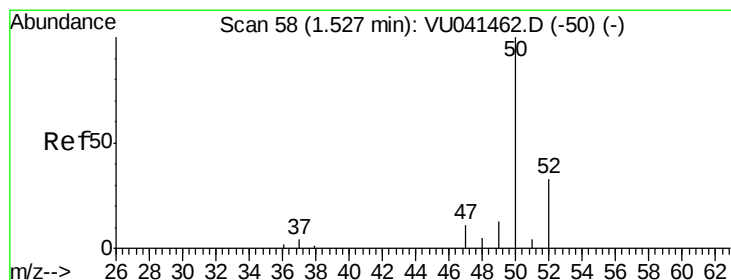
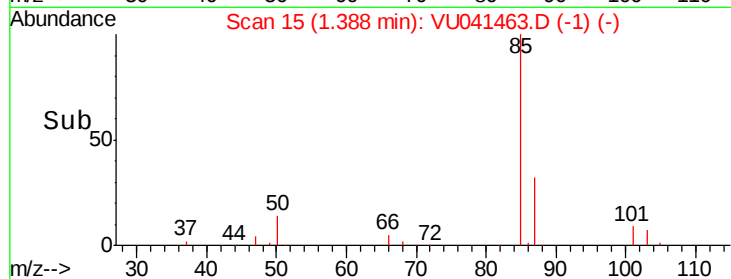
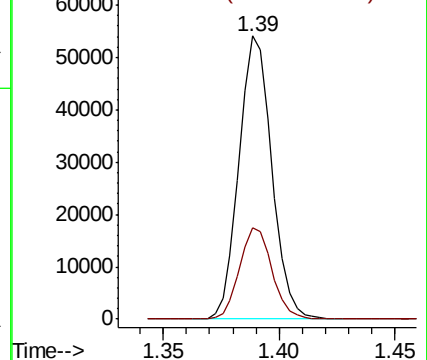
85 100

87 31.9 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 8.801 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041463.D

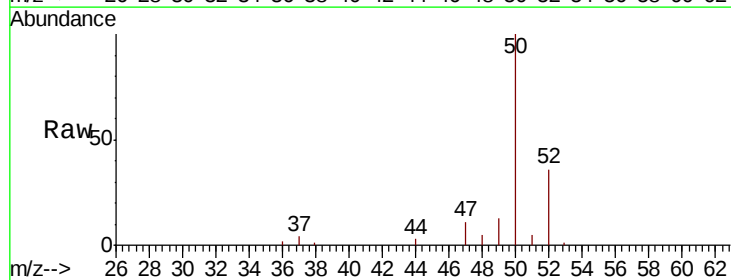
Acq: 04 Dec 2020 10:52

Tgt Ion: 50 Resp: 33165

Ion Ratio Lower Upper

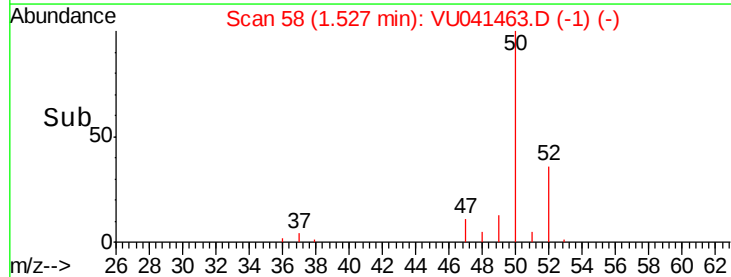
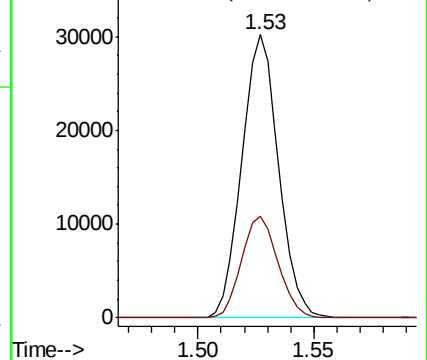
50 100

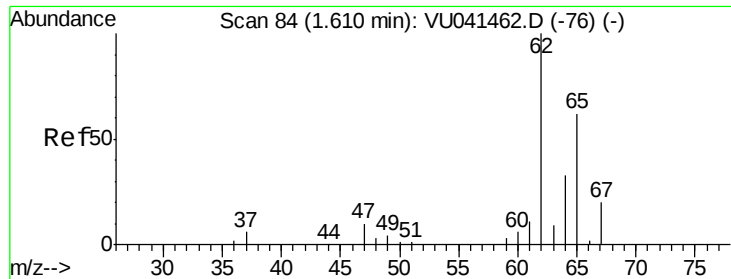
52 36.0 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 9.195 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041463.D

Acq: 04 Dec 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

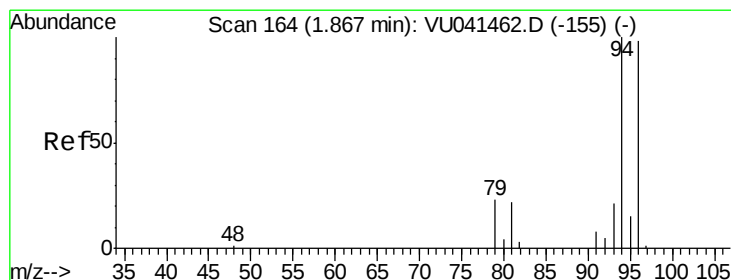
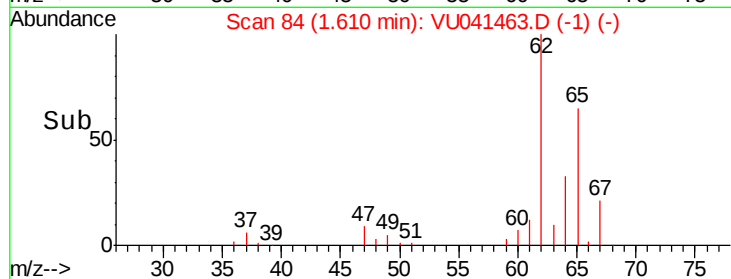
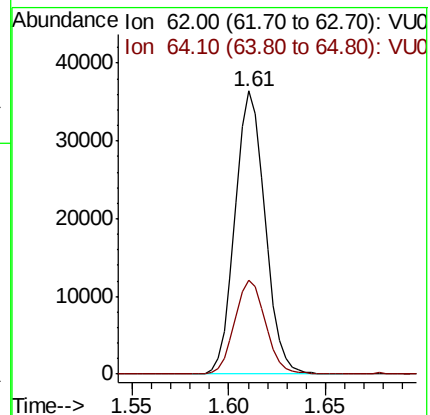
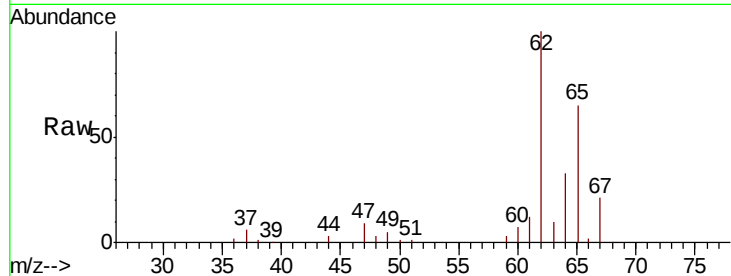
VSTD01003

Tot Ion: 62 Resp: 39123

Ion Ratio Lower Upper

62 100

64 33.3 23.0 42.8



#6

Bromomethane

Concen: 9.584 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041463.D

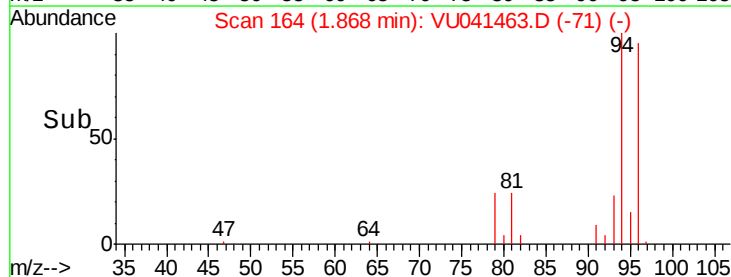
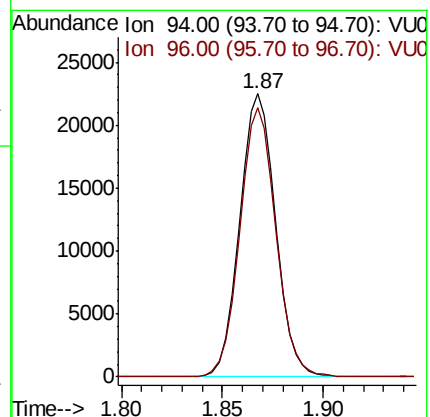
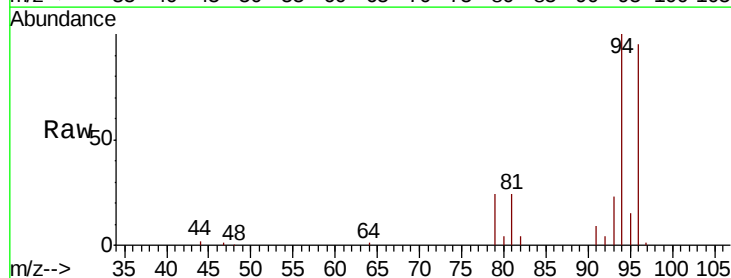
Acq: 04 Dec 2020 10:52

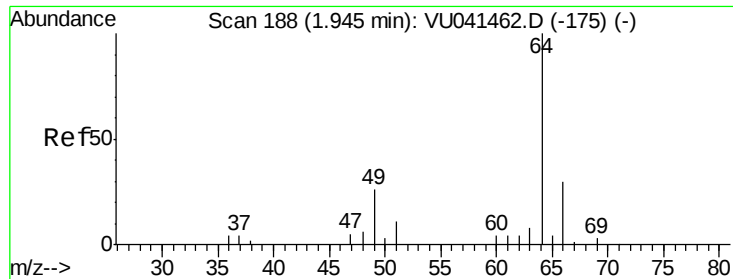
Tgt Ion: 94 Resp: 28036

Ion Ratio Lower Upper

94 100

96 95.0 68.5 127.1





#8

Chloroethane

Concen: 8.569 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU041463.D

Acq: 04 Dec 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

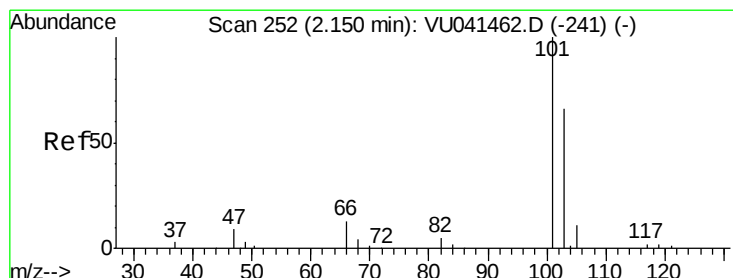
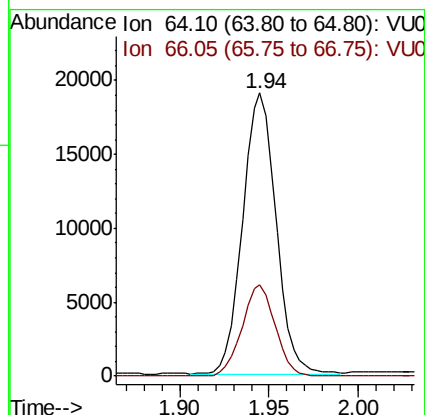
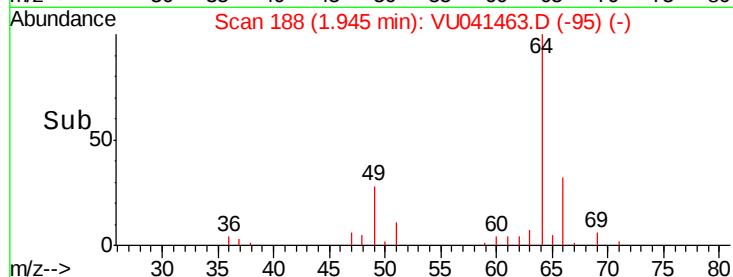
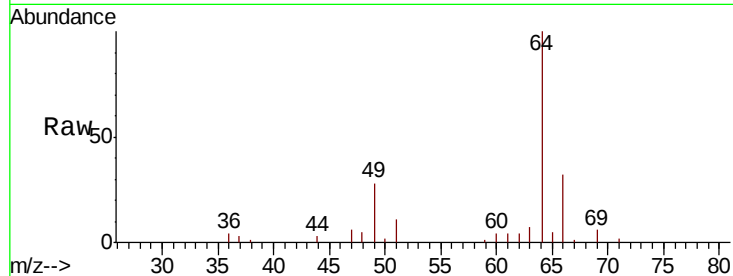
VSTD01003

Tot Ion: 64 Resp: 24696

Ion Ratio Lower Upper

64 100

66 32.2 20.9 38.9



#9

Trichlorofluoromethane

Concen: 9.563 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU041463.D

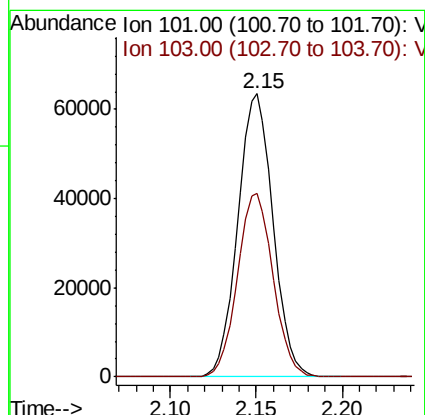
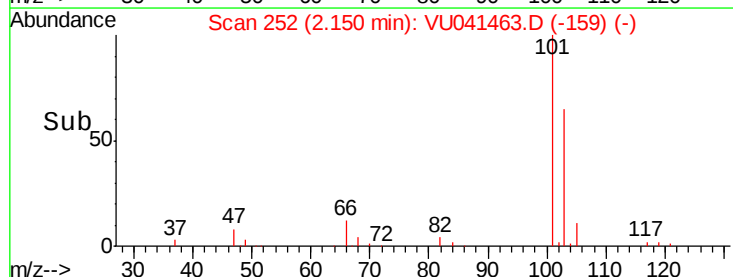
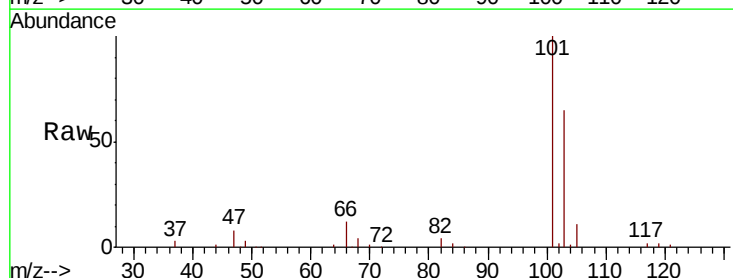
Acq: 04 Dec 2020 10:52

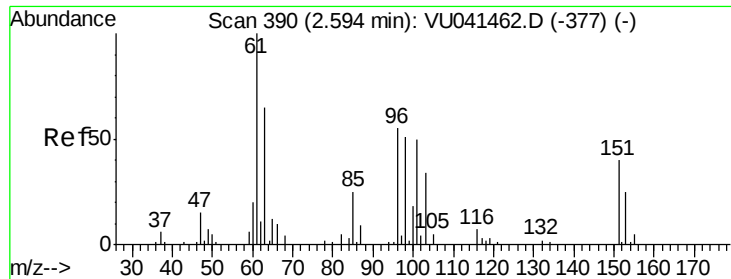
Tgt Ion: 101 Resp: 90682

Ion Ratio Lower Upper

101 100

103 65.4 51.4 77.0





#10

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

Concen: 10.245 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041463.D

Acq: 04 Dec 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

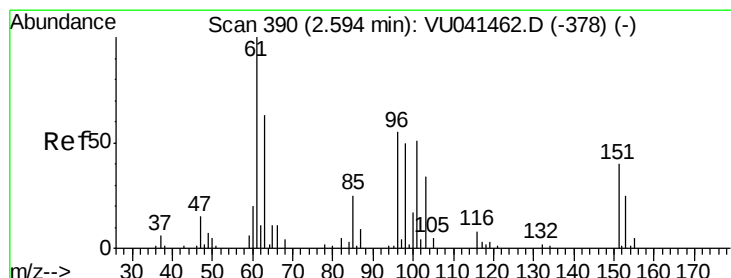
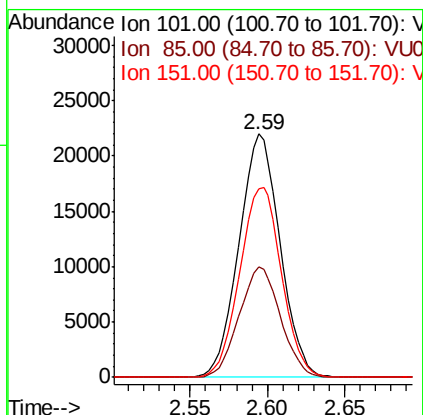
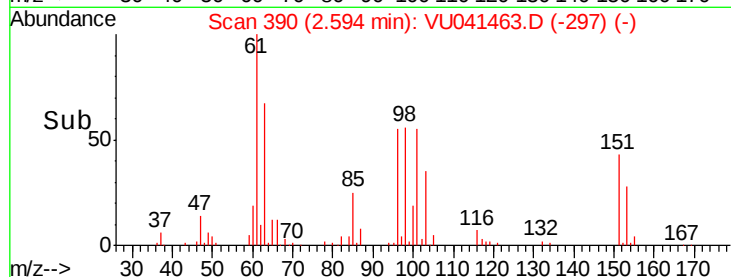
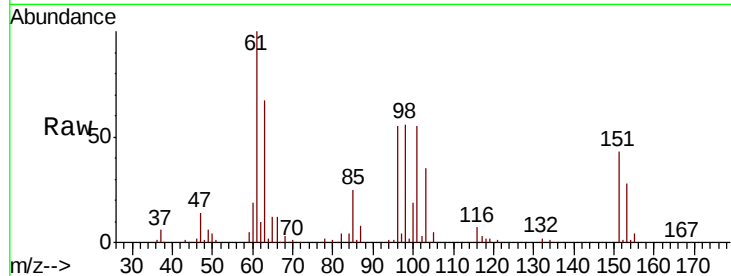
Tot Ion:101 Resp: 40659

Ion Ratio Lower Upper

101 100

85 45.4 39.4 59.2

151 79.2 63.8 95.8



#12

1,1-Dichloroethene

Concen: 10.053 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041463.D

Acq: 04 Dec 2020 10:52

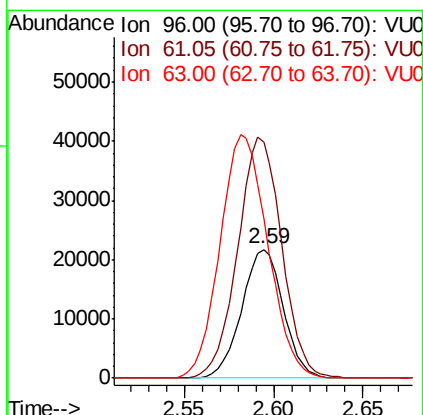
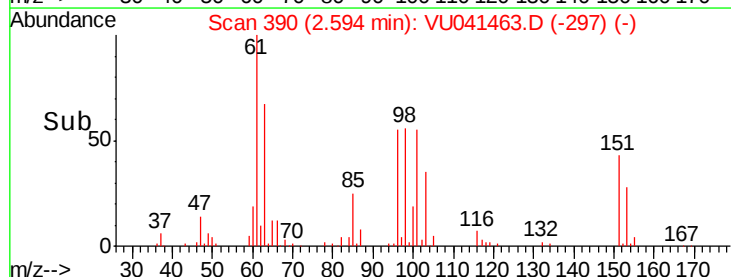
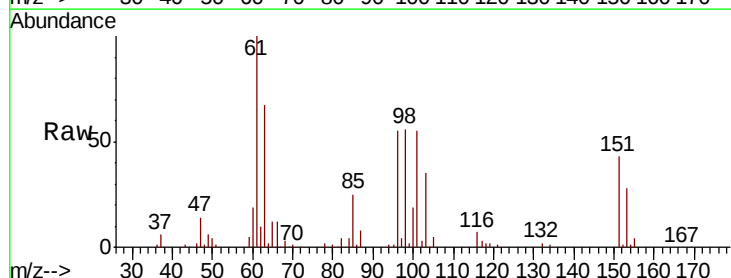
Tgt Ion: 96 Resp: 35228

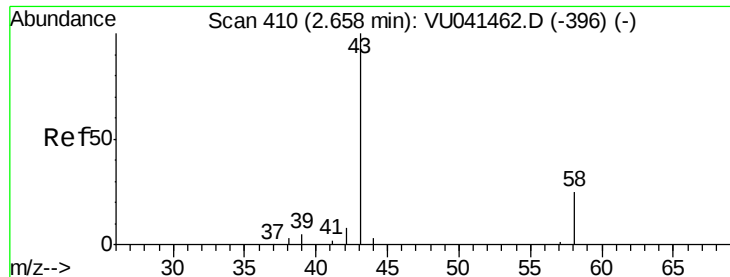
Ion Ratio Lower Upper

96 100

61 183.4 127.8 237.4

63 123.5 86.2 160.0





#13

Acetone

Concen: 100.032 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU041463.D

Acq: 04 Dec 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

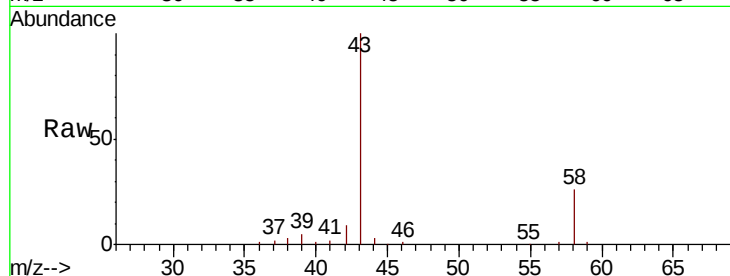
VSTD01003

Tot Ion: 43 Resp: 87263

Ion Ratio Lower Upper

43 100

58 25.6 0.0 50.0



Abundance Ion 43.05 (42.75 to 43.75): VU041463.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU041463.D (-396) (-)

2.66

25000

20000

15000

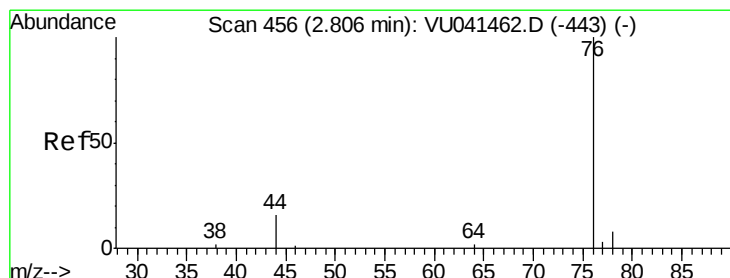
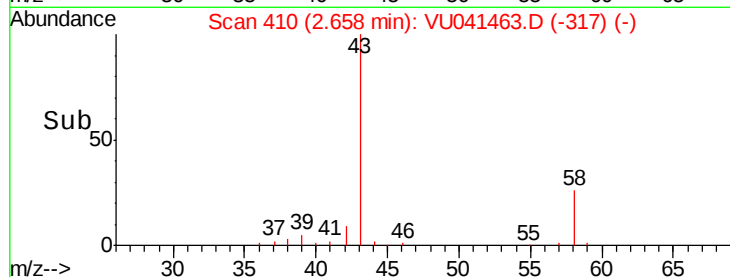
10000

5000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 10.554 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041463.D

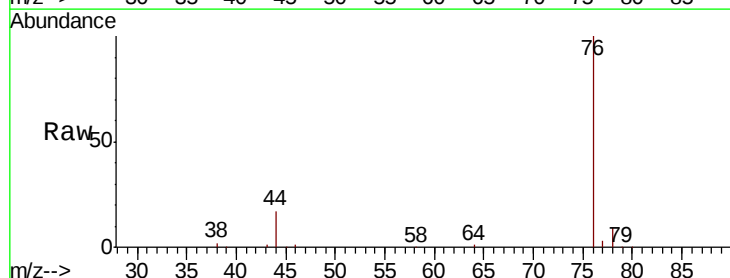
Acq: 04 Dec 2020 10:52

Tgt Ion: 76 Resp: 104536

Ion Ratio Lower Upper

76 100

78 8.7 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU041463.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU041463.D (-363) (-)

2.81

60000

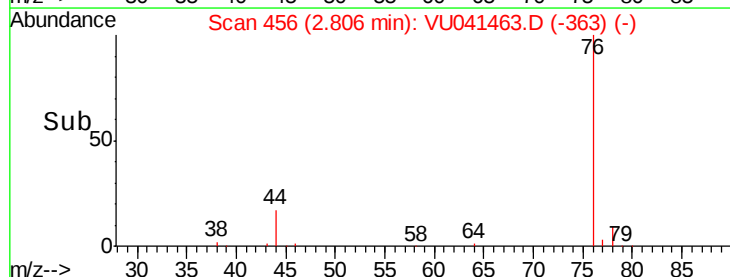
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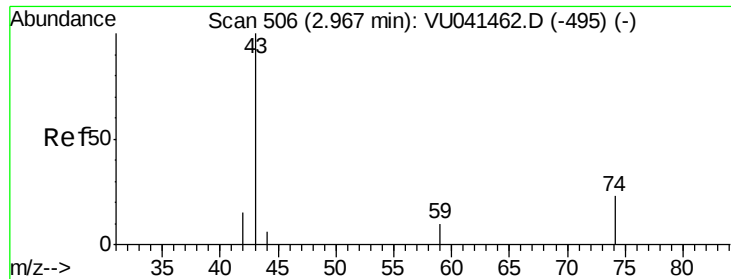
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Time-->

2.75 2.80 2.85 2.90

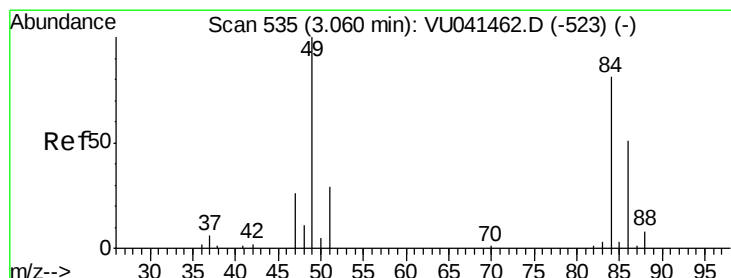
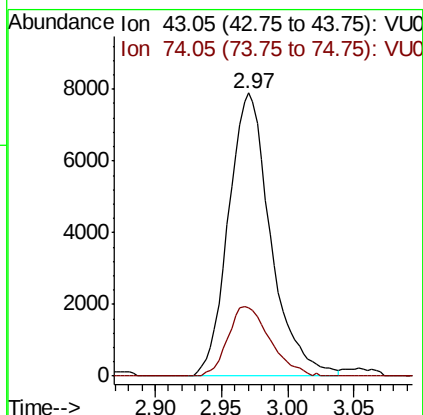
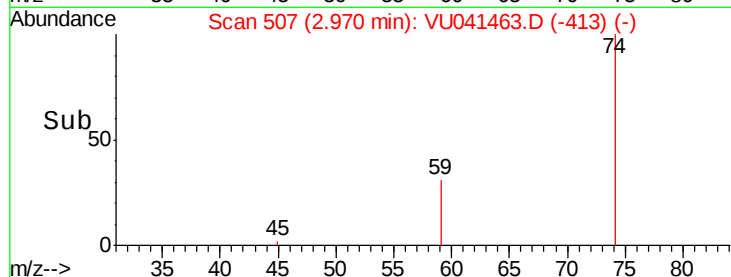
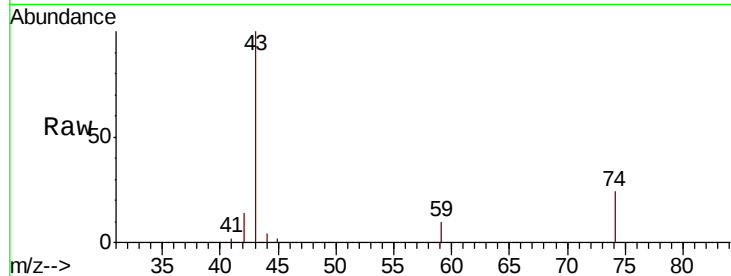




#15
Methyl Acetate
Concen: 9.669 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU041463.D
Acq: 04 Dec 2020 10:52

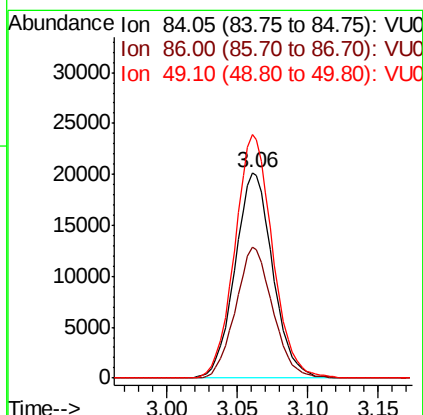
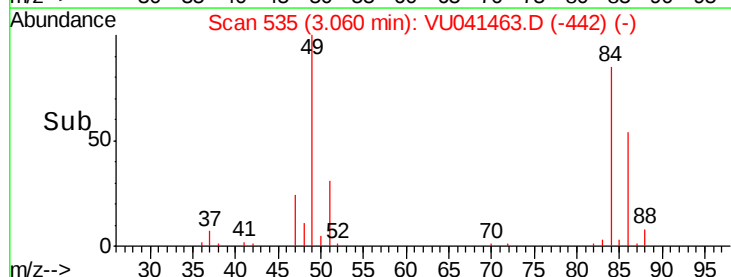
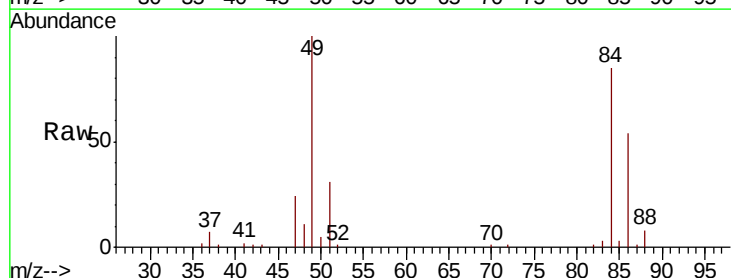
Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

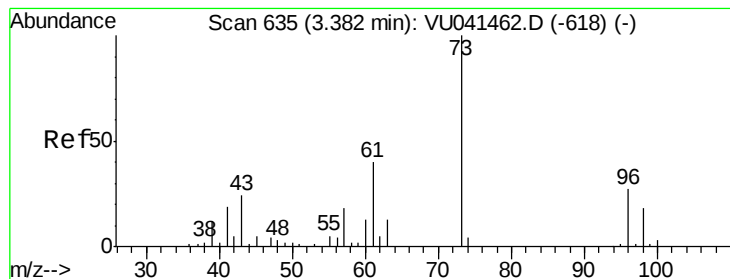
Tot Ion: 43 Resp: 17469
Ion Ratio Lower Upper
43 100
74 24.6 19.7 29.5



#16
Methylene chloride
Concen: 7.479 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041463.D
Acq: 04 Dec 2020 10:52

Tgt Ion: 84 Resp: 37713
Ion Ratio Lower Upper
84 100
86 63.8 44.1 81.9
49 118.3 86.1 159.9



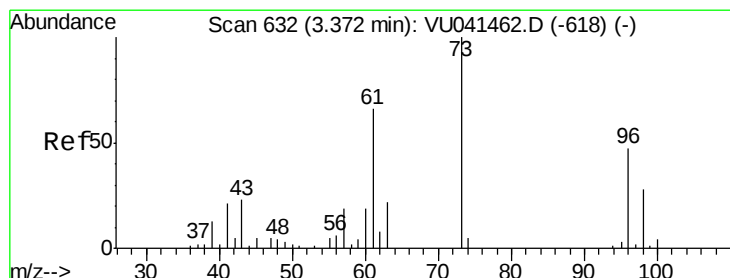
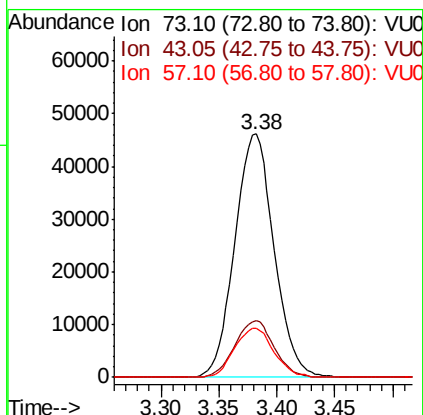
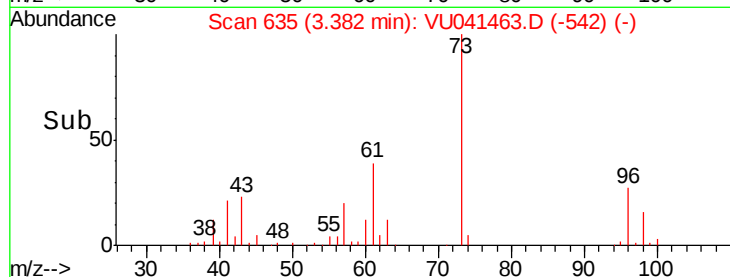
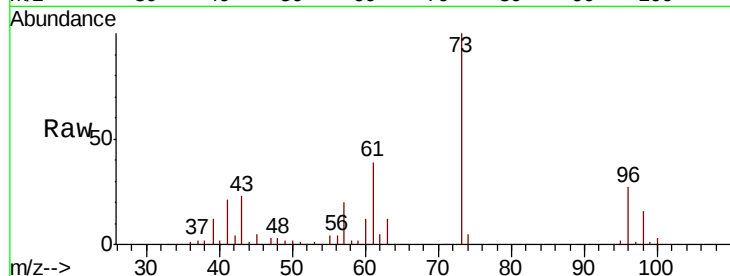


#17

Methvl tert-butvl Ether
 Concen: 9.838 ug/L
 RT: 3.38 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VU041463.D
 Acq: 04 Dec 2020 10:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

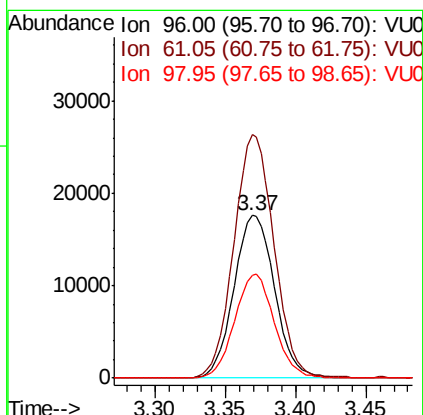
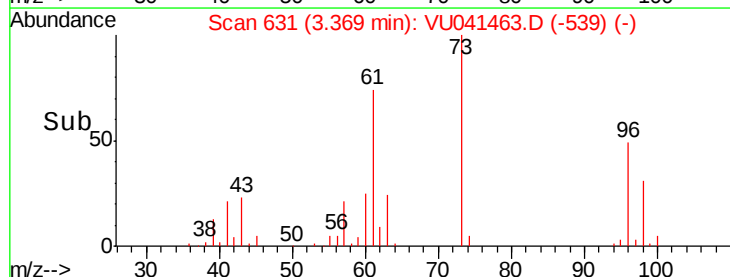
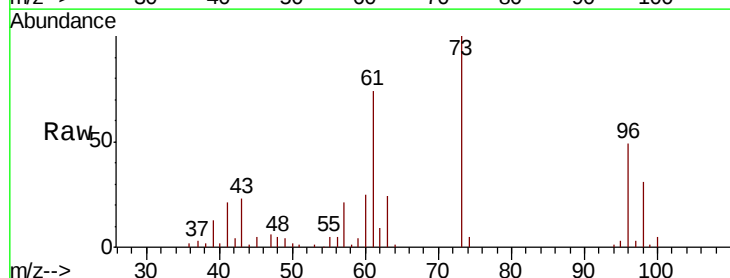
Tot Ion: 73 Resp: 108713
 Ion Ratio Lower Upper
 73 100
 43 23.2 19.1 28.7
 57 20.2 15.5 23.3

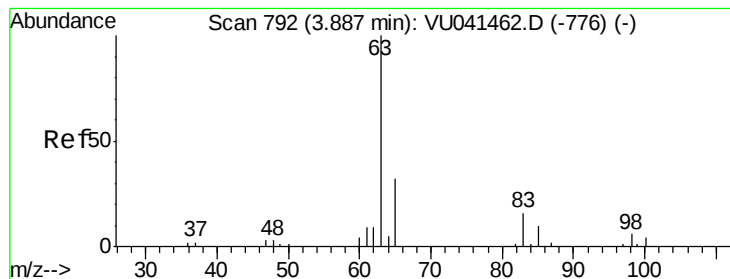


#18

trans-1,2-Dichloroethene
 Concen: 9.719 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: VU041463.D
 Acq: 04 Dec 2020 10:52

Tgt Ion: 96 Resp: 35530
 Ion Ratio Lower Upper
 96 100
 61 149.8 98.8 183.4
 98 63.3 41.7 77.5





#19

1,1-Dichloroethane

Concen: 9.086 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU041463.D

Acq: 04 Dec 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

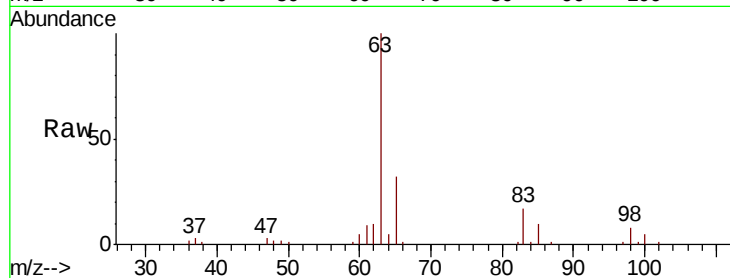
Tot Ion: 63 Resp: 63714

Ion Ratio Lower Upper

63 100

65 32.2 22.3 41.5

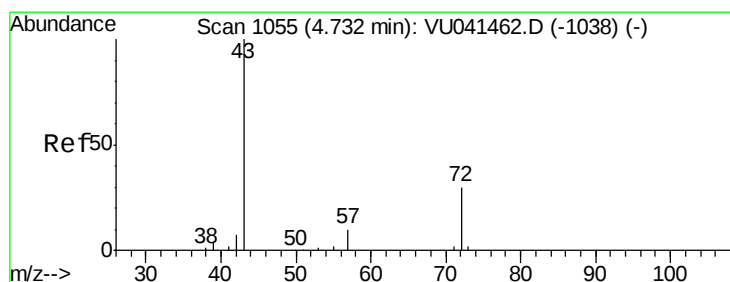
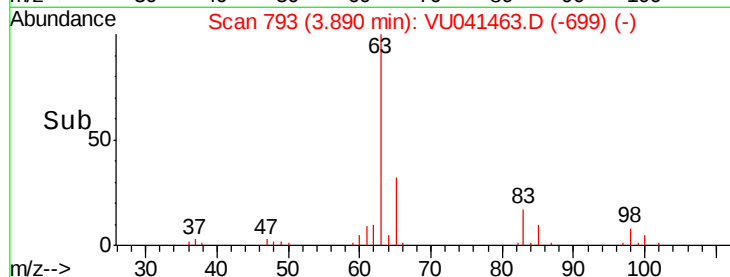
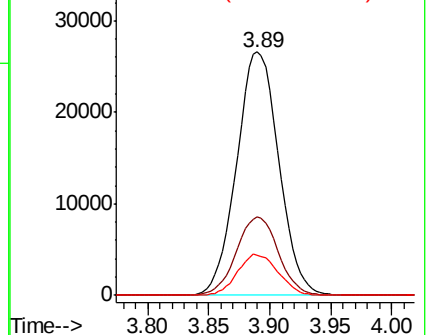
83 16.7 11.1 20.7



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



#21

2-Butanone

Concen: 99.541 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VU041463.D

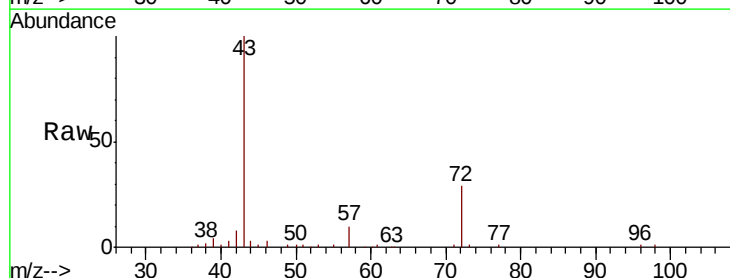
Acq: 04 Dec 2020 10:52

Tgt Ion: 43 Resp: 114156

Ion Ratio Lower Upper

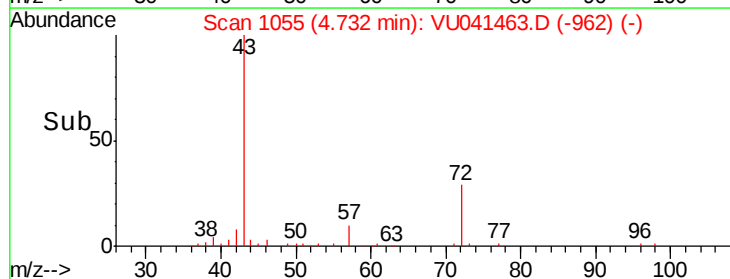
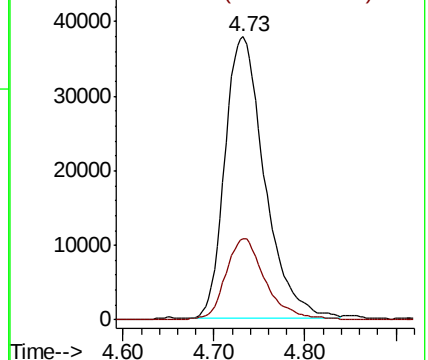
43 100

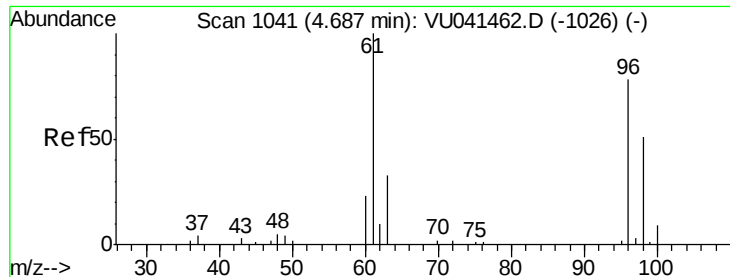
72 29.2 15.7 47.1



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 9.990 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU041463.D

Acq: 04 Dec 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

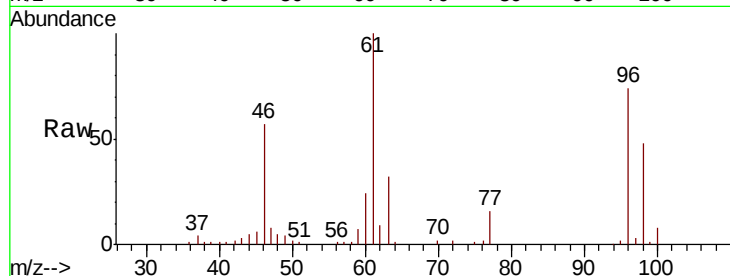
Tot Ion: 96 Resp: 40193

Ion Ratio Lower Upper

96 100

61 135.8 90.5 168.1

68 0.0 0.0 0.0

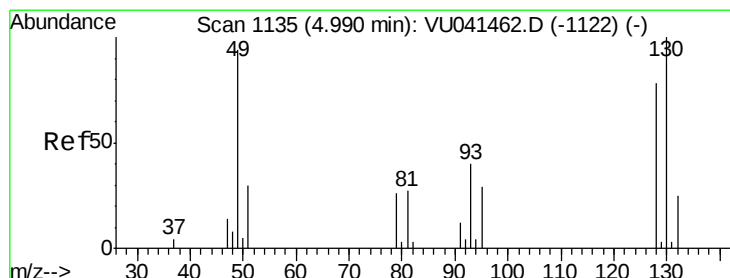
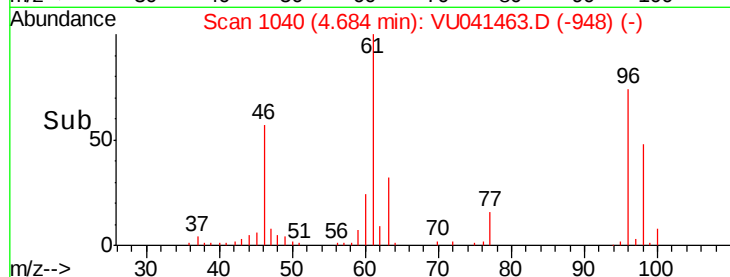
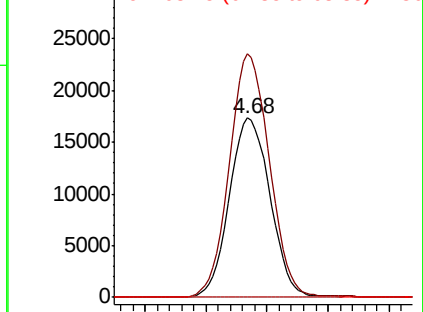


Abundance

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: 9.870 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041463.D

Acq: 04 Dec 2020 10:52

Tgt Ion: 128 Resp: 20337

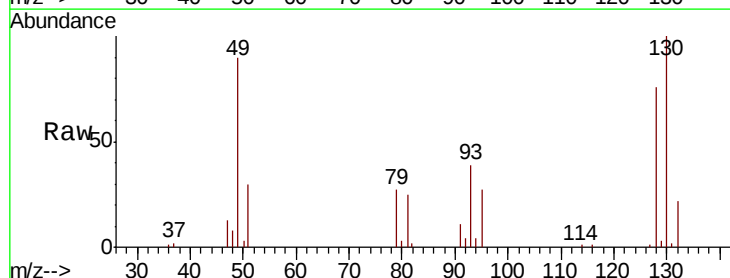
Ion Ratio Lower Upper

128 100

49 118.7 84.2 156.4

130 131.2 89.9 167.0

51 39.6 30.4 45.6



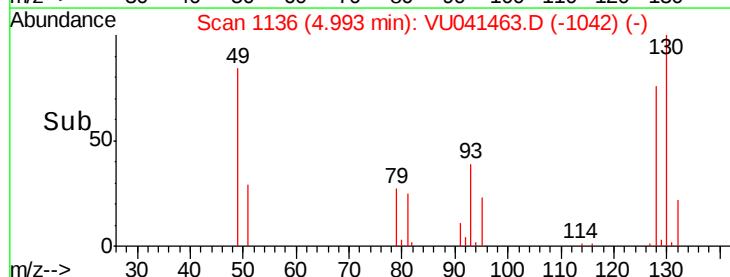
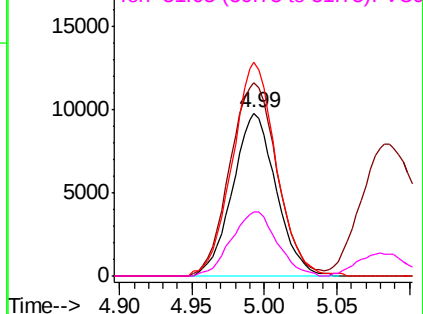
Abundance

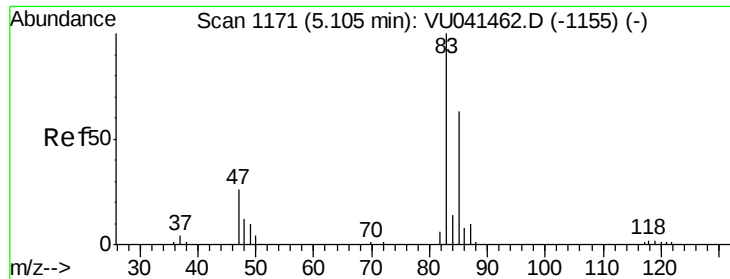
Ion 127.90 (127.60 to 128.60): V

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

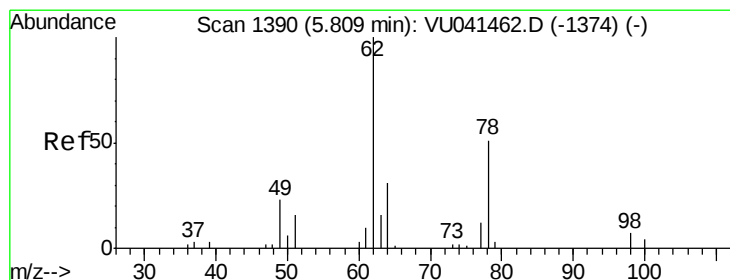
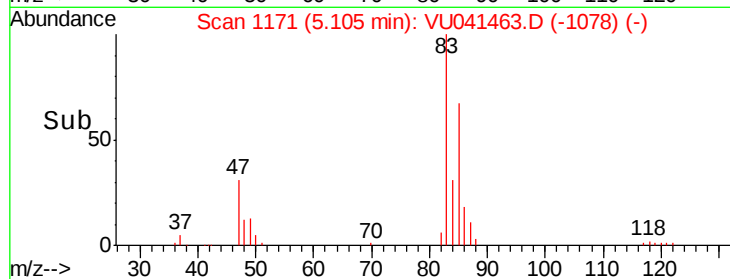
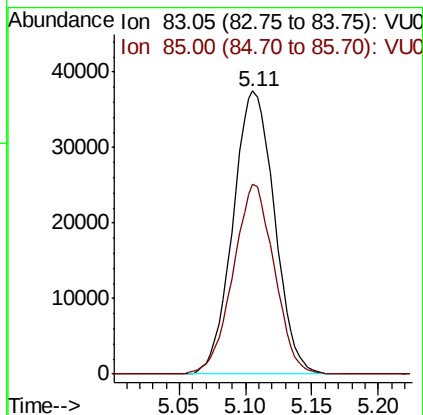
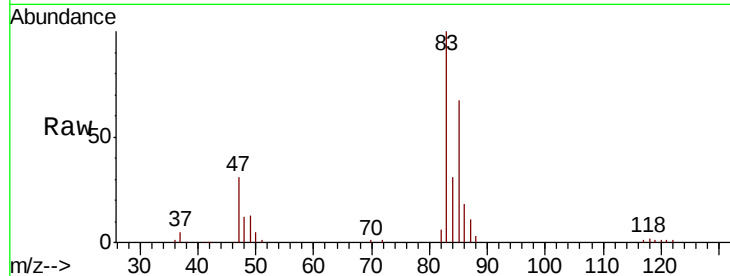




#25
Chloroform
Concen: 9.382 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041463.D
Acq: 04 Dec 2020 10:52

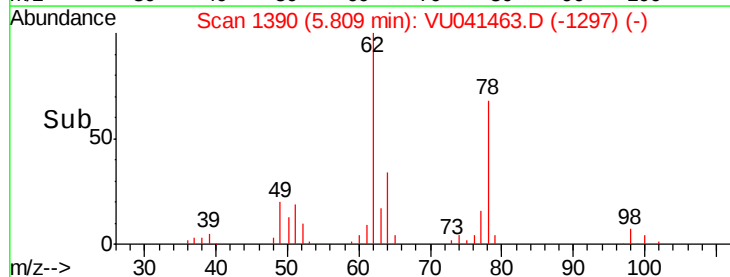
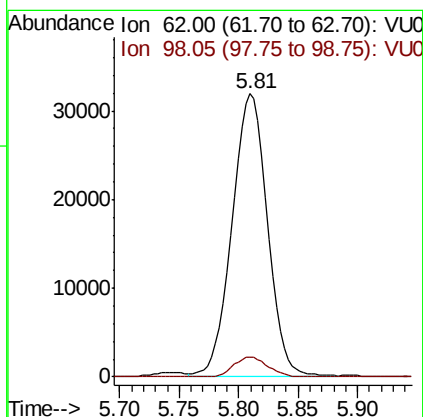
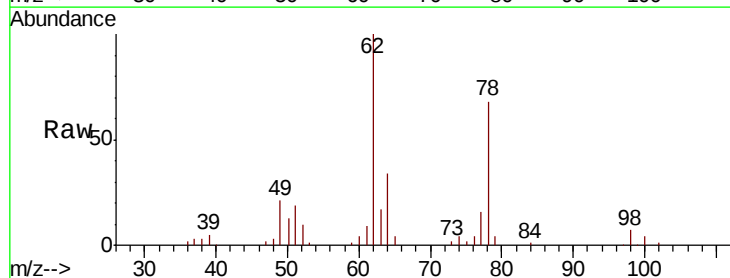
Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

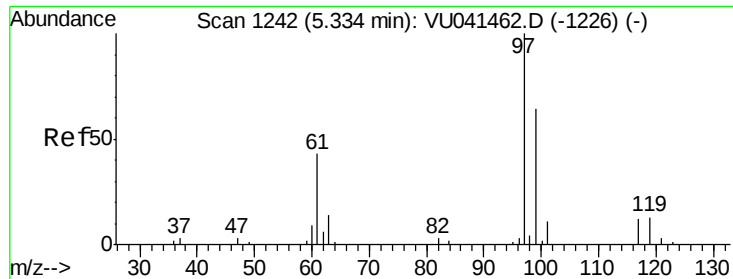
Tot Ion: 83 Resp: 81680
Ion Ratio Lower Upper
83 100
85 67.2 44.7 82.9



#27
1,2-Dichloroethane
Concen: 9.716 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041463.D
Acq: 04 Dec 2020 10:52

Tgt Ion: 62 Resp: 65553
Ion Ratio Lower Upper
62 100
98 7.2 5.7 8.5

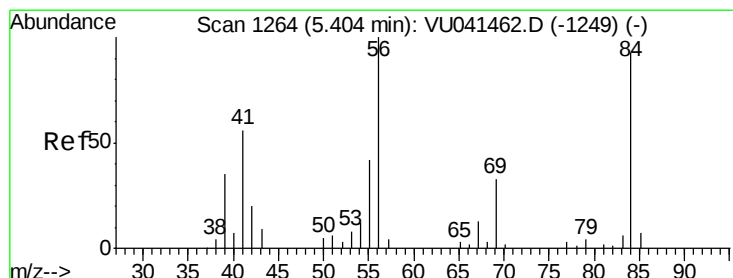
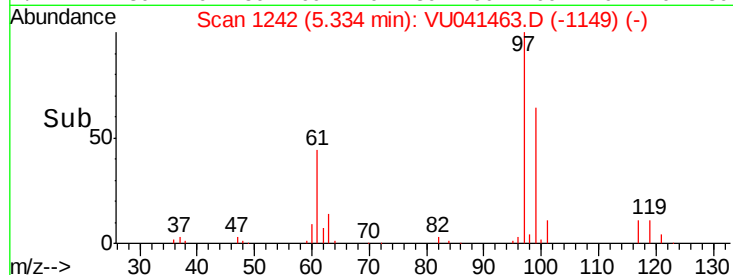
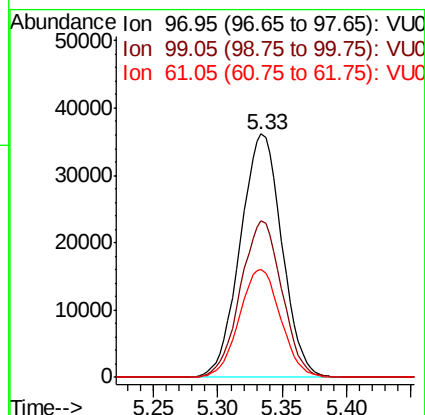
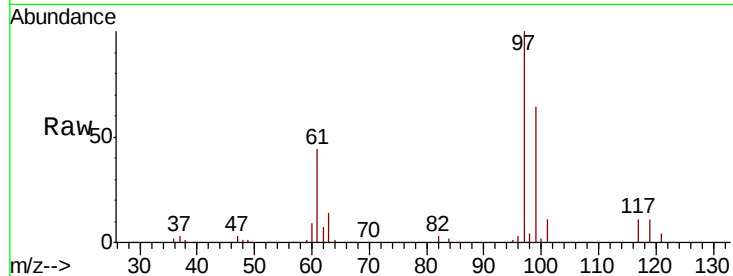




#29
 1,1,1-Trichloroethane
 Concen: 9.519 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041463.D
 Acq: 04 Dec 2020 10:52

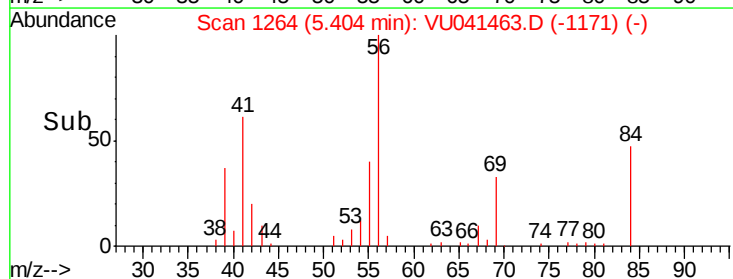
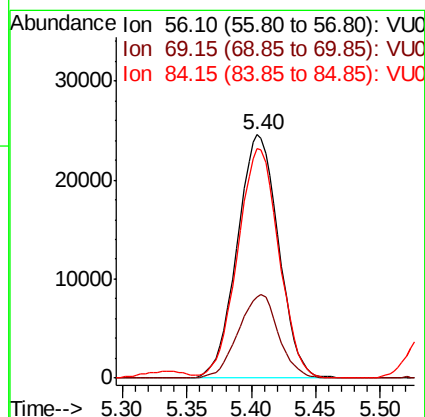
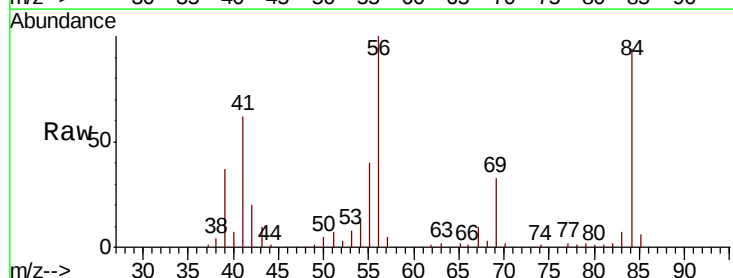
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

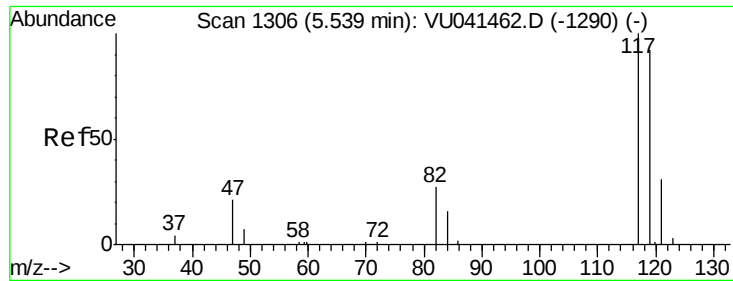
Tot Ion: 97 Resp: 81224
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.0 76.6
 61 44.0 34.6 52.0



#30
 Cyclohexane
 Concen: 10.616 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU041463.D
 Acq: 04 Dec 2020 10:52

Tgt Ion: 56 Resp: 54711
 Ion Ratio Lower Upper
 56 100
 69 33.3 25.9 38.9
 84 94.3 74.9 112.3





#31

Carbon tetrachloride

Concen: 9.994 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041463.D

Acq: 04 Dec 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

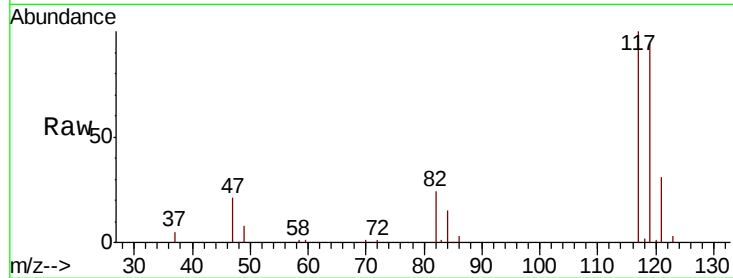
VSTD01003

Tot Ion:117 Resp: 76862

Ion Ratio Lower Upper

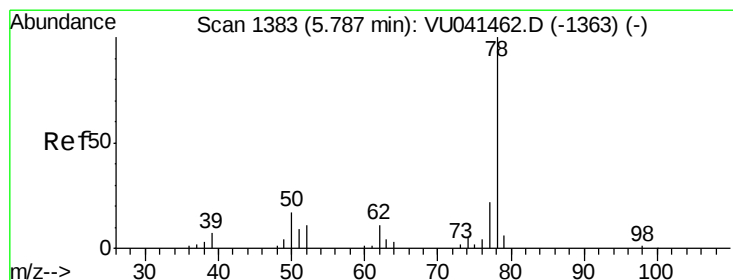
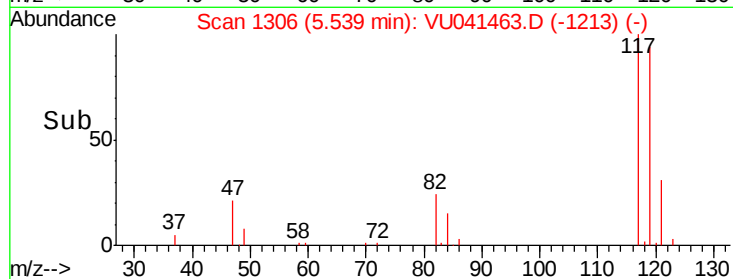
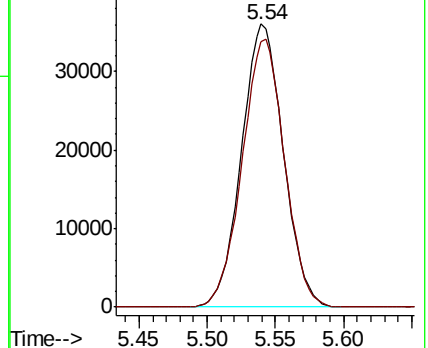
117 100

119 95.6 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.822 ug/L

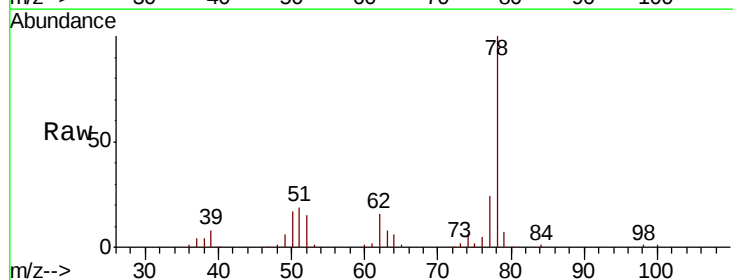
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

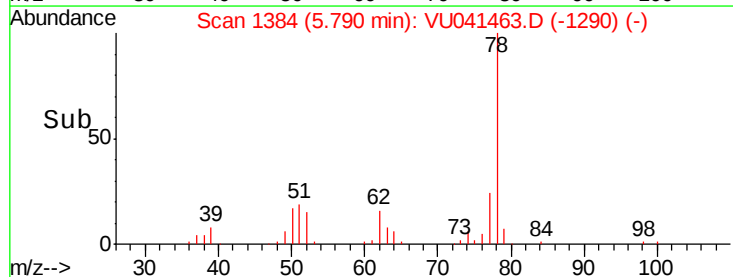
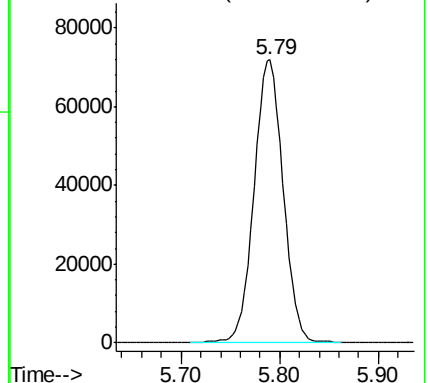
Lab File: VU041463.D

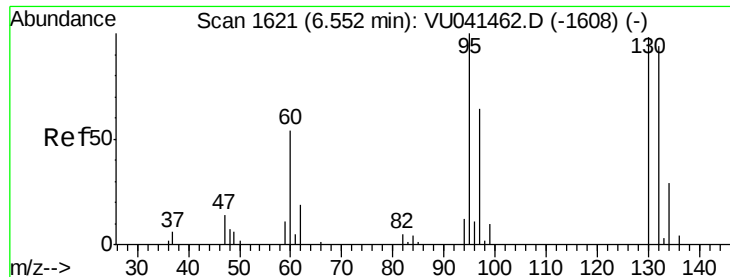
Acq: 04 Dec 2020 10:52

Tgt Ion: 78 Resp: 146151



Abundance Ion 78.10 (77.80 to 78.80): VU0

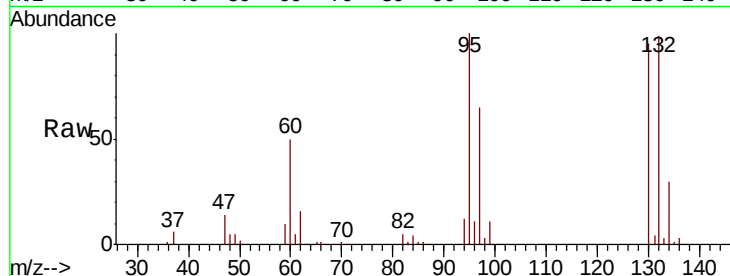




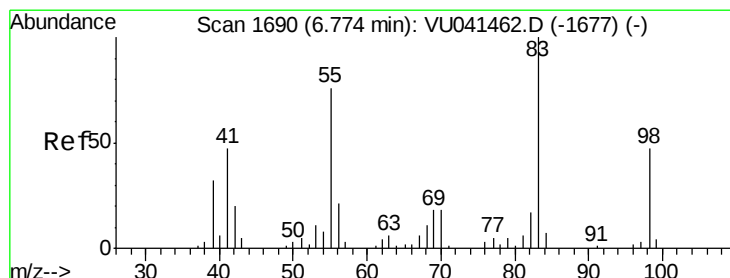
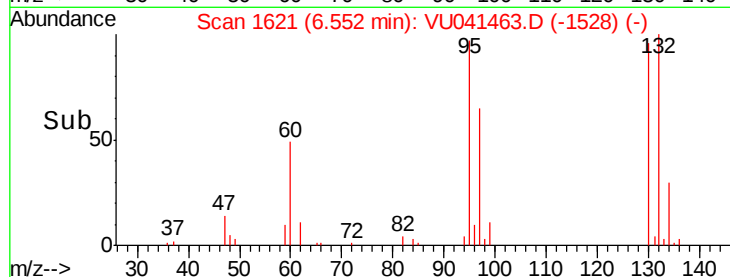
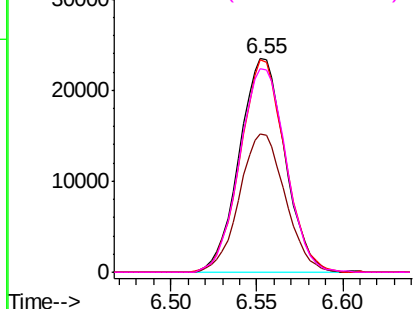
#34
 Trichloroethene
 Concen: 9.838 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041463.D
 Acq: 04 Dec 2020 10:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

Tot Ion: 95 Resp: 43236
 Ion Ratio Lower Upper
 95 100
 97 64.8 44.7 83.1
 132 99.2 65.7 121.9
 130 95.1 68.8 127.8

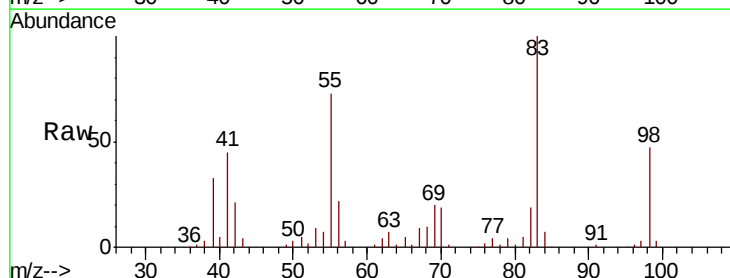


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

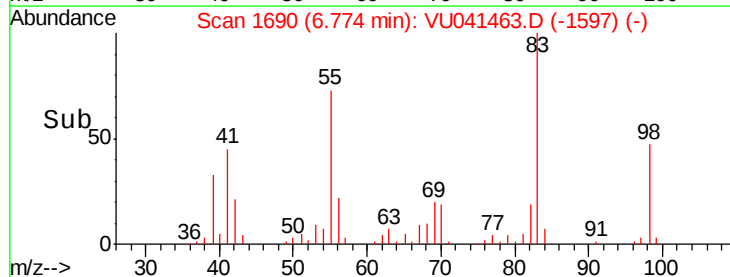
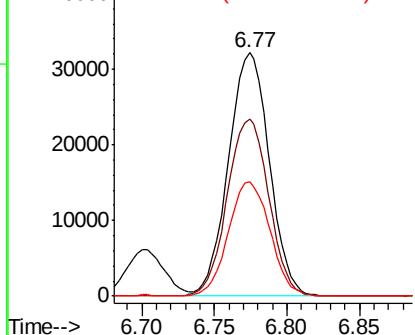


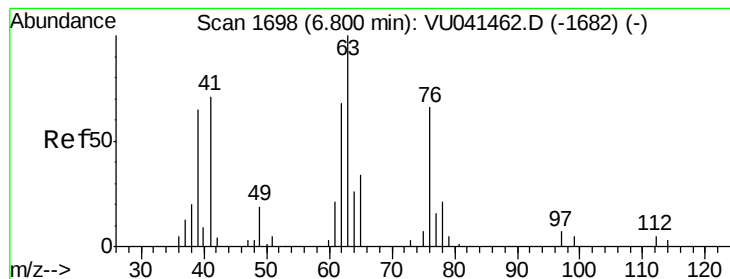
#35
 Methylcyclohexane
 Concen: 10.863 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041463.D
 Acq: 04 Dec 2020 10:52

Tgt Ion: 83 Resp: 63075
 Ion Ratio Lower Upper
 83 100
 55 73.9 62.1 93.1
 98 47.8 38.7 58.1



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: 9.113 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU041463.D

Acq: 04 Dec 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

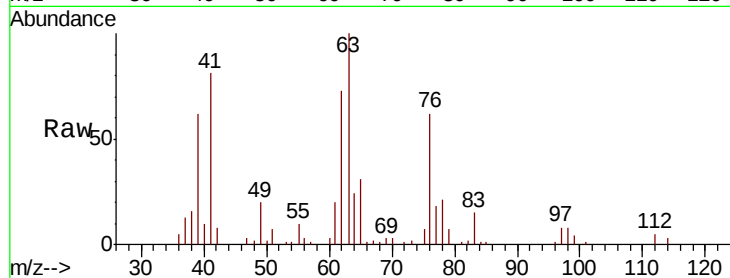
VSTD01003

Tot Ion: 63 Resp: 33932

Ion Ratio Lower Upper

63 100

112 5.1 4.2 6.2



Abundance Ion 63.10 (62.80 to 63.80): VU041463.D (-1605) (-)

Ion 112.10 (111.80 to 112.80): VU041463.D (-1605) (-)

20000

15000

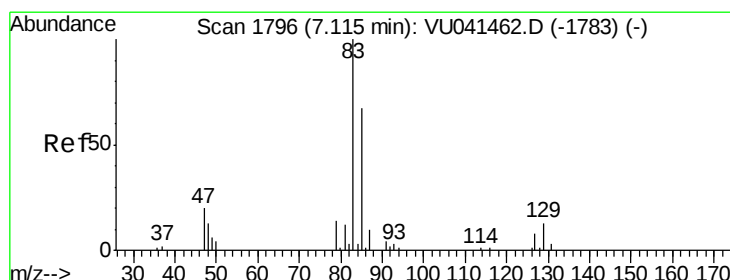
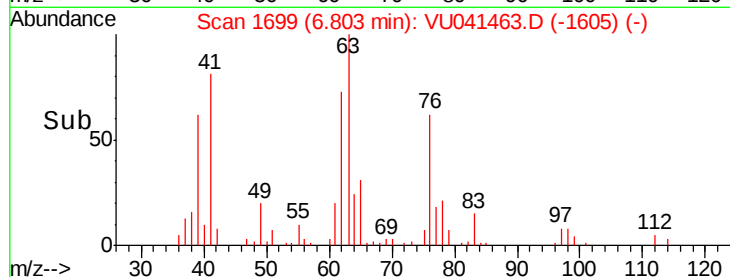
10000

5000

0

6.70 6.75 6.80 6.85

Time-->



#38

Bromodichloromethane

Concen: 9.560 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU041463.D

Acq: 04 Dec 2020 10:52

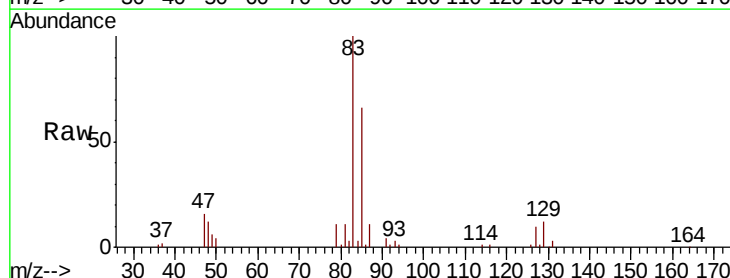
Tgt Ion: 83 Resp: 61162

Ion Ratio Lower Upper

83 100

85 66.2 46.7 86.7

127 9.6 6.6 10.0



Abundance Ion 82.95 (82.65 to 83.65): VU041463.D (-1703) (-)

Ion 85.00 (84.70 to 85.70): VU041463.D (-1703) (-)

Ion 126.90 (126.60 to 127.60): VU041463.D (-1703) (-)

40000

30000

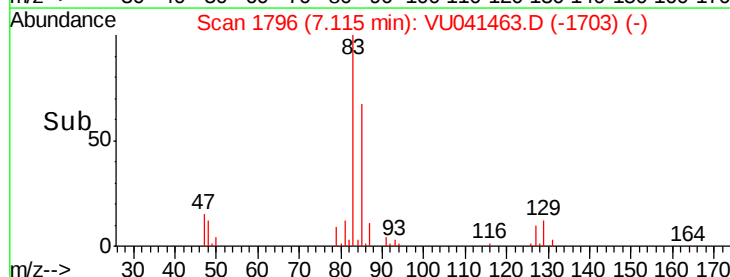
20000

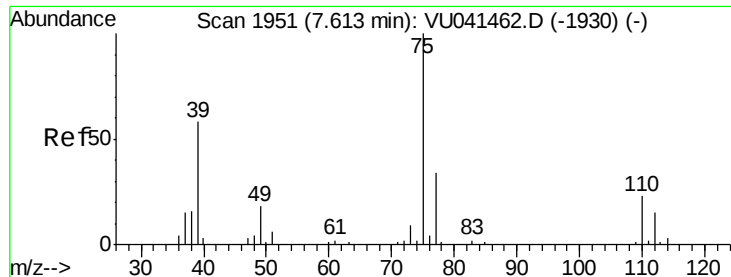
10000

0

7.05 7.10 7.15 7.20

Time-->

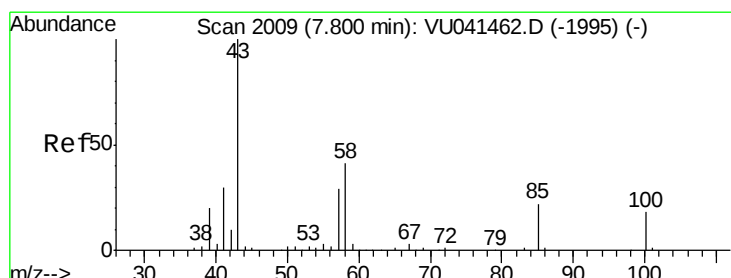
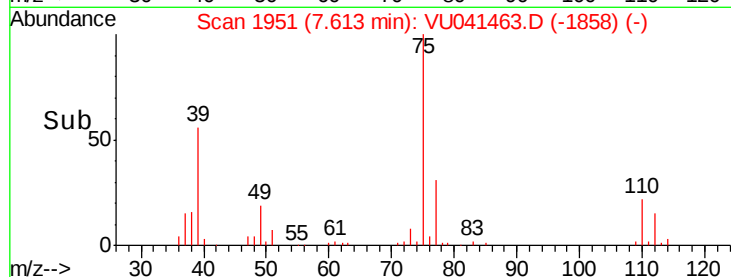
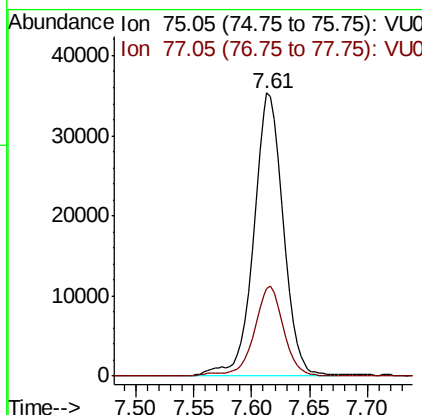
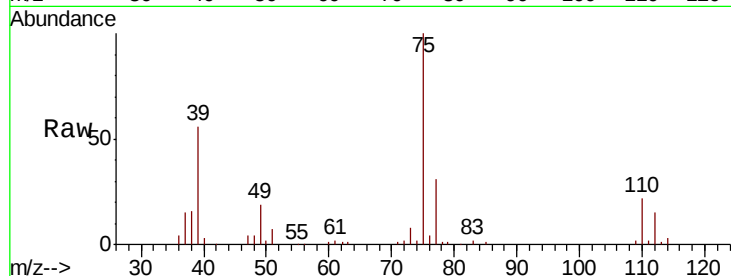




#39
 cis-1,3-Dichloropropene
 Concen: 10.371 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041463.D
 Acq: 04 Dec 2020 10:52

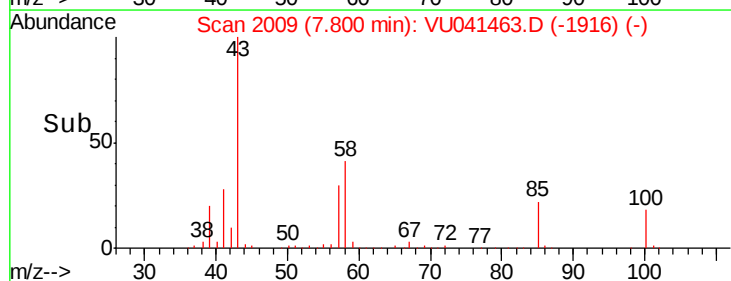
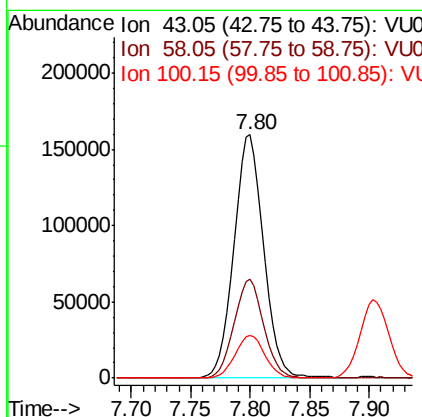
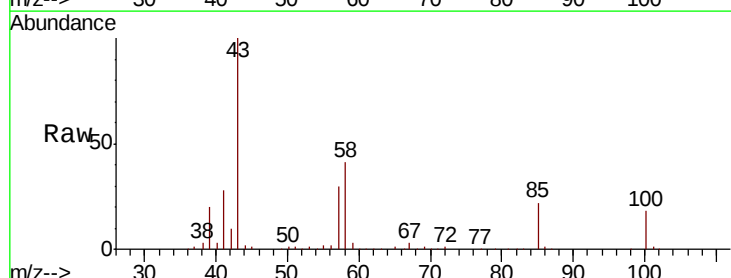
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

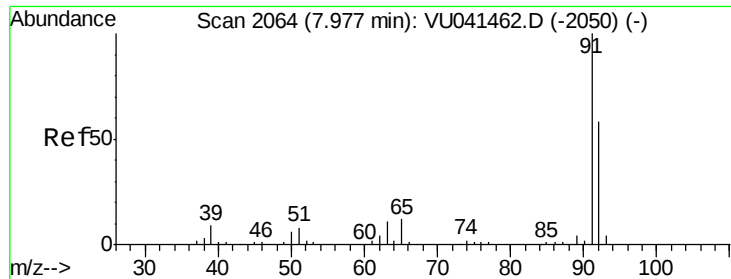
Tot Ion: 75 Resp: 63111
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.0 44.6



#40
 4-Methyl-2-pentanone
 Concen: 101.207 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041463.D
 Acq: 04 Dec 2020 10:52

Tgt Ion: 43 Resp: 276410
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.0 48.0
 100 17.7 14.2 21.2





#42

Toluene

Concen: 10.294 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041463.D

Acq: 04 Dec 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

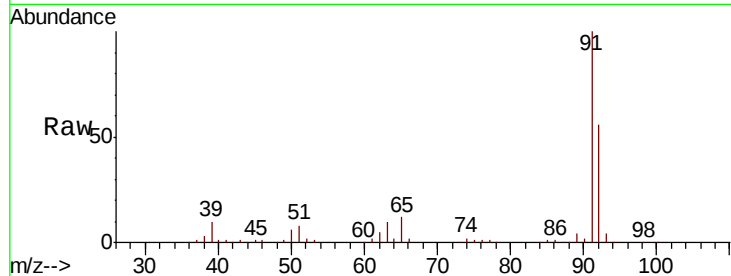
VSTD01003

Tot Ion: 91 Resp: 168128

Ion Ratio Lower Upper

91 100

92 55.9 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.97

100000

80000

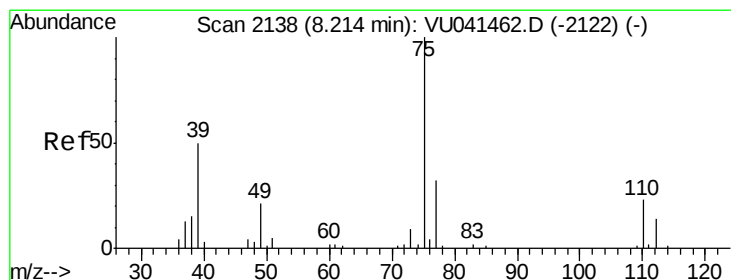
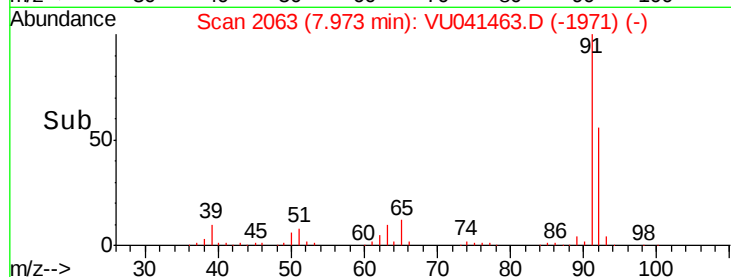
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 9.910 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041463.D

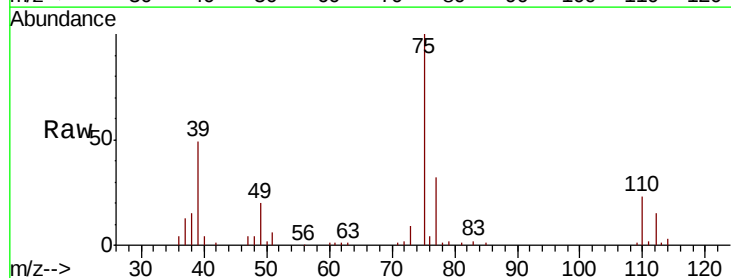
Acq: 04 Dec 2020 10:52

Tgt Ion: 75 Resp: 62930

Ion Ratio Lower Upper

75 100

77 31.6 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

40000

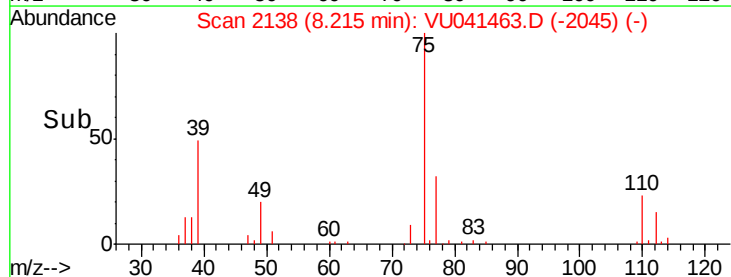
30000

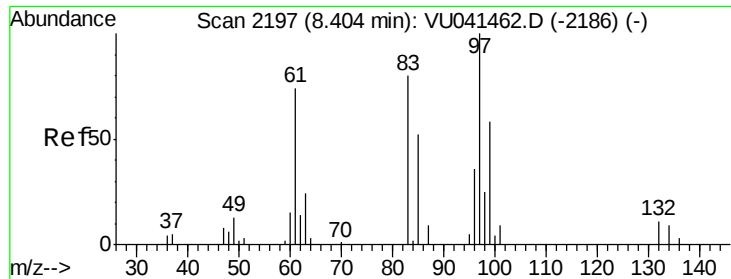
20000

10000

0

Time-->

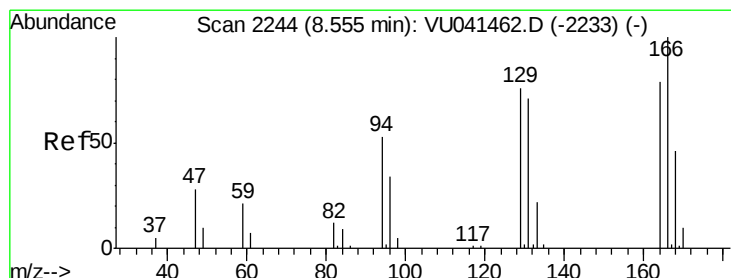
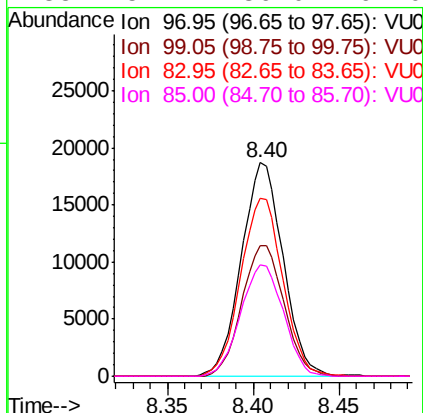
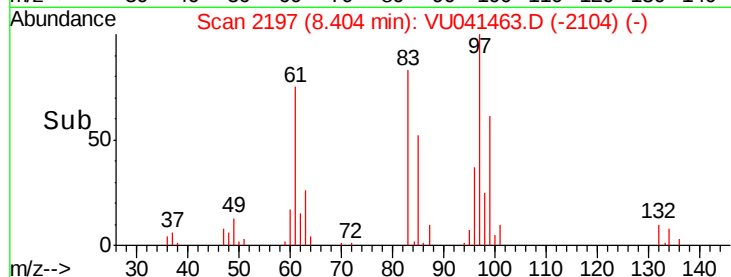
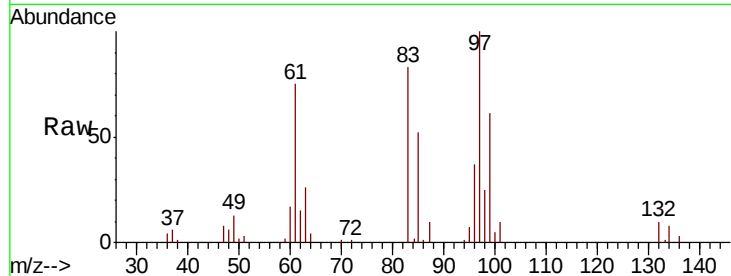




#45
1,1,2-Trichloroethane
Concen: 9.790 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VU041463.D
Acq: 04 Dec 2020 10:52

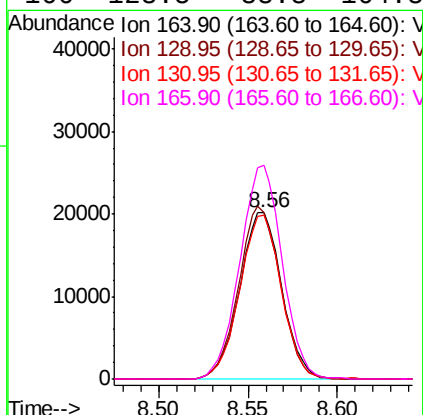
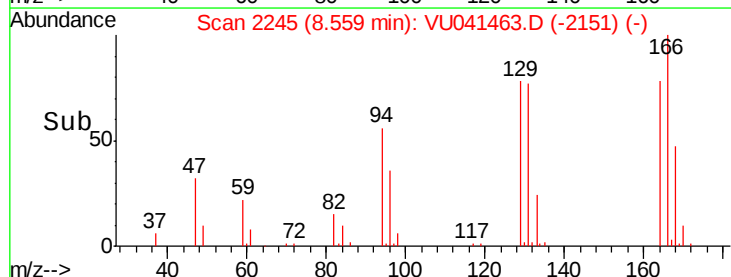
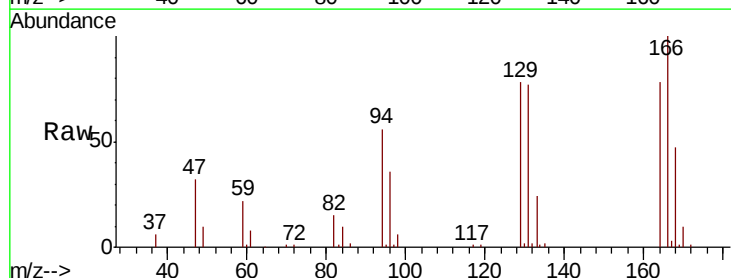
Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

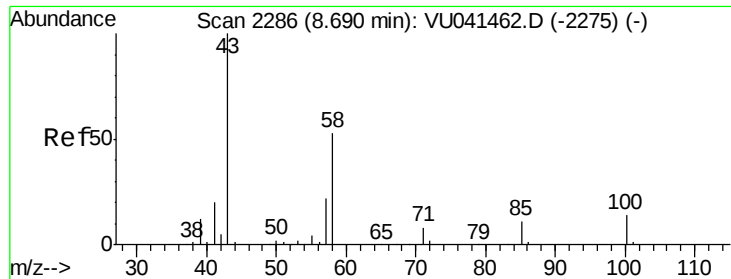
Tot Ion:	97	Resp:	31579
Ion	Ratio	Lower	Upper
97	100		
99	60.9	40.7	75.7
83	83.2	56.2	104.4
85	52.4	36.0	67.0



#47
Tetrachloroethene
Concen: 10.006 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041463.D
Acq: 04 Dec 2020 10:52

Tgt Ion:	164	Resp:	33193
Ion	Ratio	Lower	Upper
164	100		
129	99.9	67.1	124.7
131	98.7	63.3	117.7
166	128.5	88.8	164.8

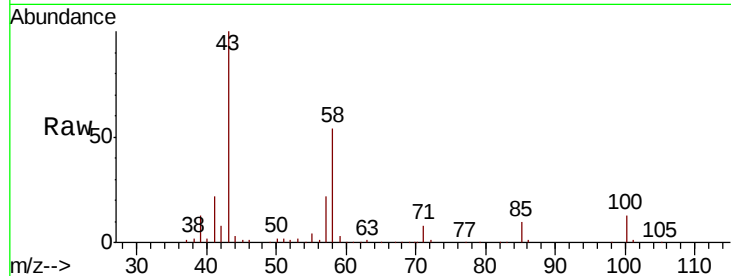




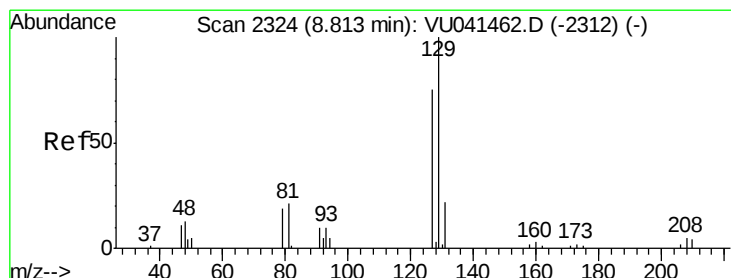
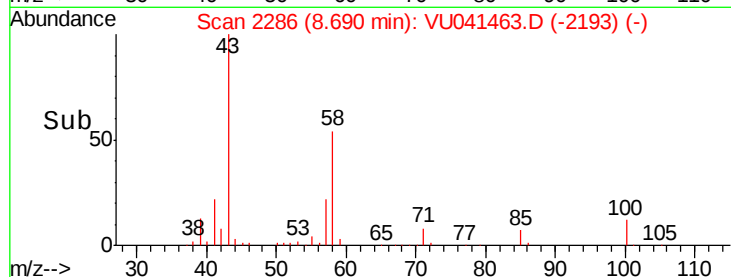
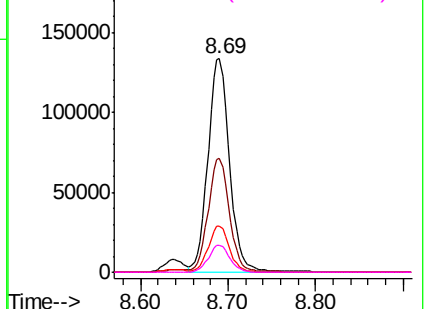
#48
2-Hexanone
Concen: 108.962 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041463.D
Acq: 04 Dec 2020 10:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

Tot Ion: 43 Resp: 229179
Ion Ratio Lower Upper
43 100
58 52.4 41.4 62.0
57 20.9 17.1 25.7
100 12.4 10.6 16.0

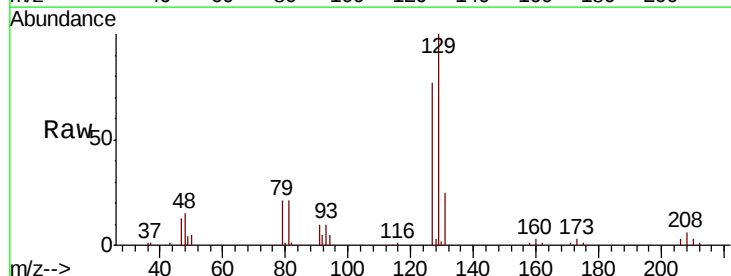


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

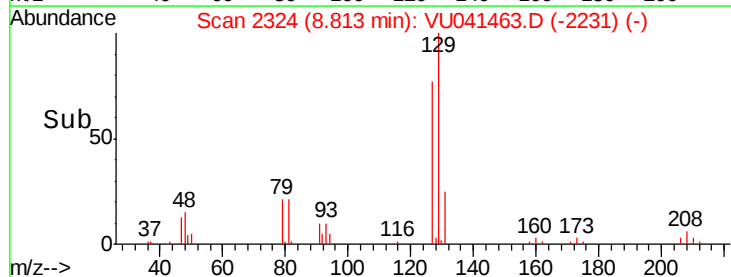
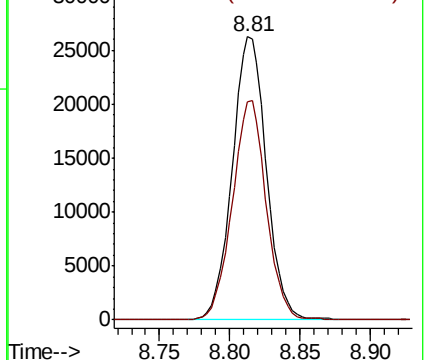


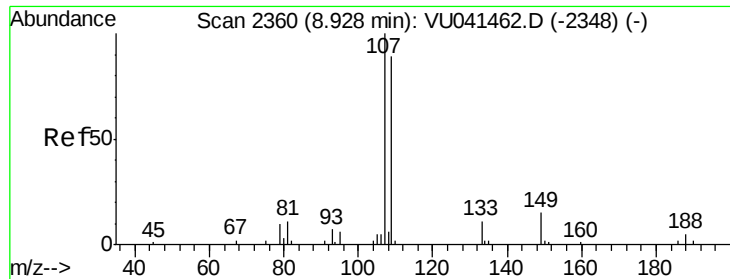
#49
Dibromochloromethane
Concen: 9.890 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041463.D
Acq: 04 Dec 2020 10:52

Tgt Ion: 129 Resp: 44449
Ion Ratio Lower Upper
129 100
127 77.3 52.4 97.2



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

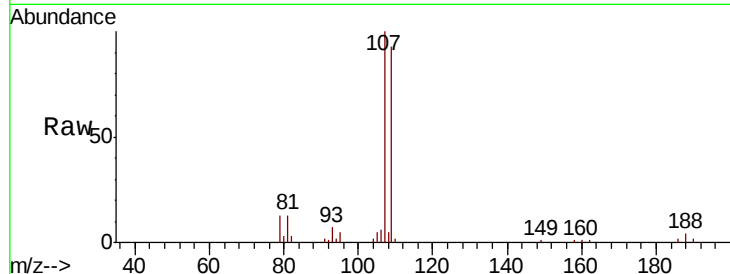




#50
 1,2-Dibromoethane
 Concen: 10.114 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041463.D
 Acq: 04 Dec 2020 10:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	62.3	115.7
188	4.0	4.2	6.4#

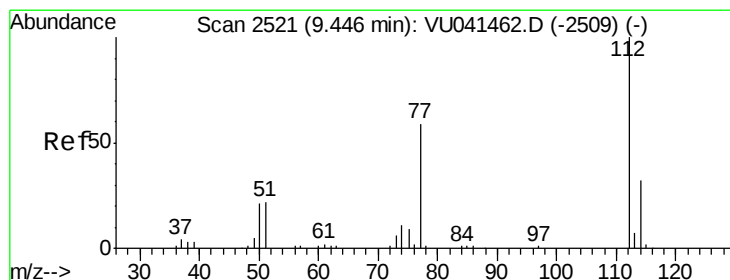
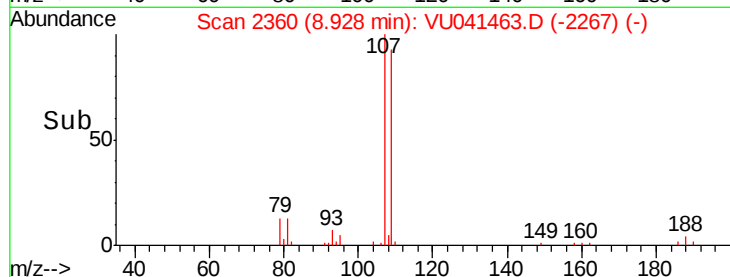
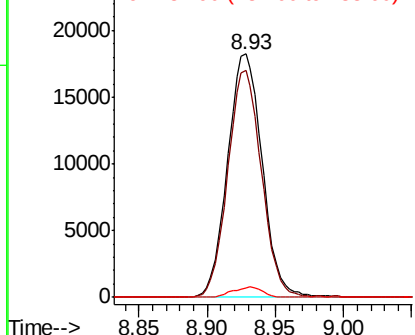


Abundance

Ion 106.95 (106.65 to 107.65): V

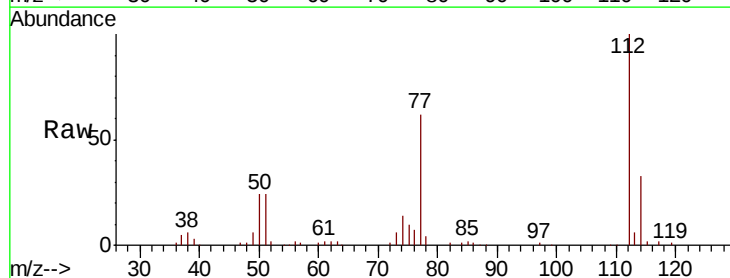
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
 Chlorobenzene
 Concen: 9.636 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041463.D
 Acq: 04 Dec 2020 10:52

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.7	42.1
77	62.5	48.2	72.2

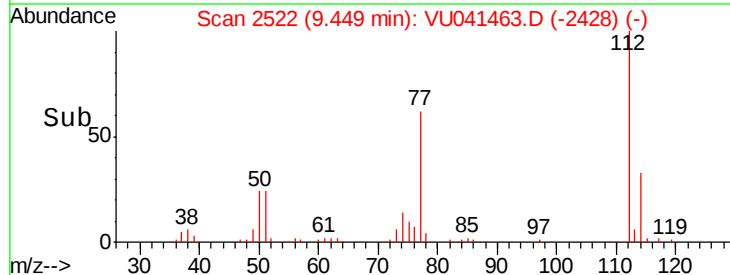
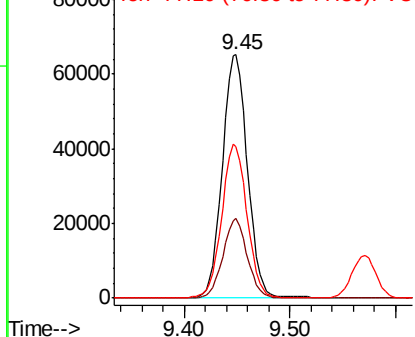


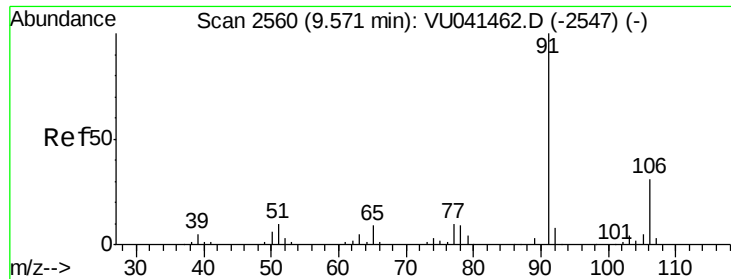
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 9.980 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041463.D

Acq: 04 Dec 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

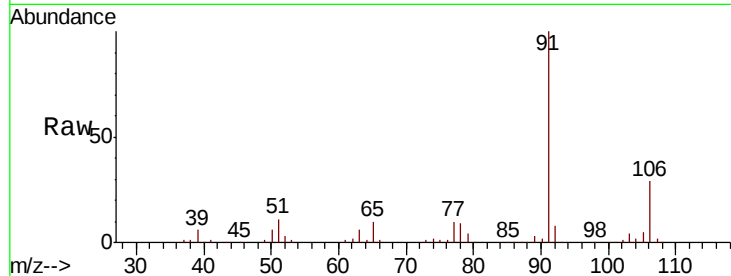
VSTD01003

Tot Ion: 91 Resp: 189919

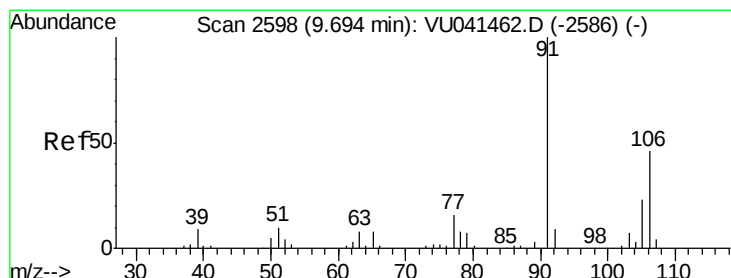
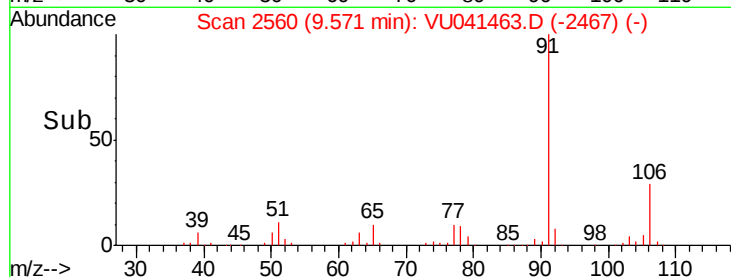
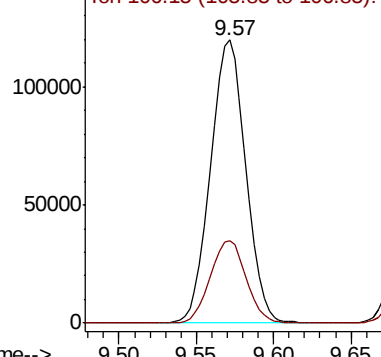
Ion Ratio Lower Upper

91 100

106 29.3 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU041463.D (-2547) (-)



#53

m,p-Xylene

Concen: 10.221 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041463.D

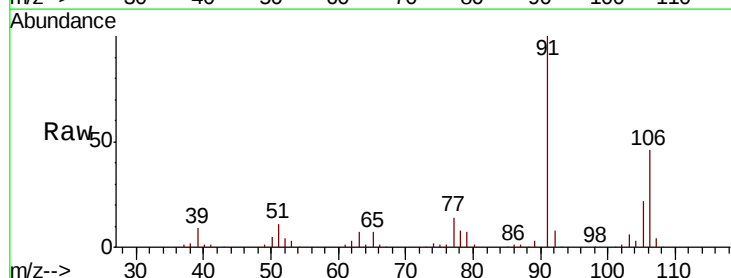
Acq: 04 Dec 2020 10:52

Tgt Ion: 106 Resp: 71229

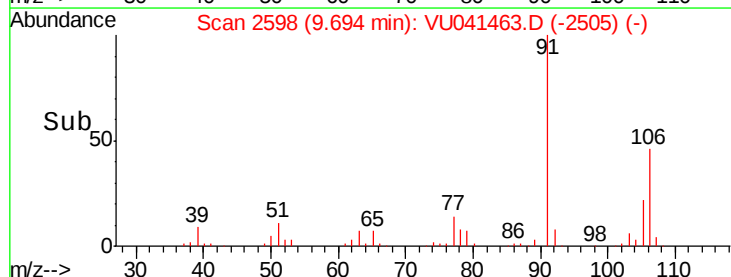
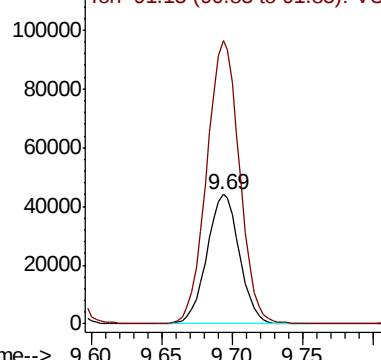
Ion Ratio Lower Upper

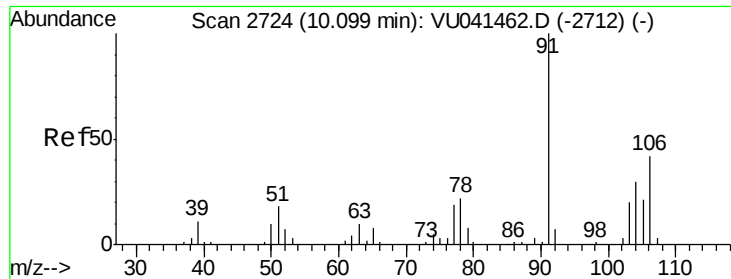
106 100

91 218.5 151.8 282.0



Abundance Ion 106.15 (105.85 to 106.85): VU041463.D (-2598) (-)

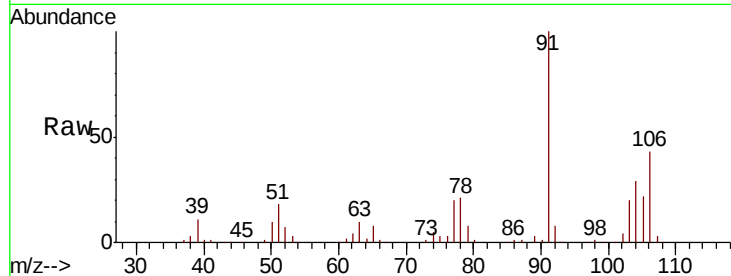




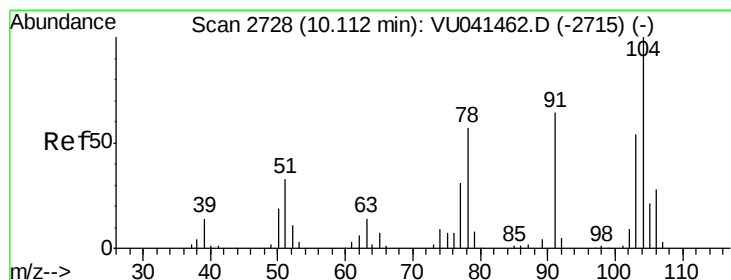
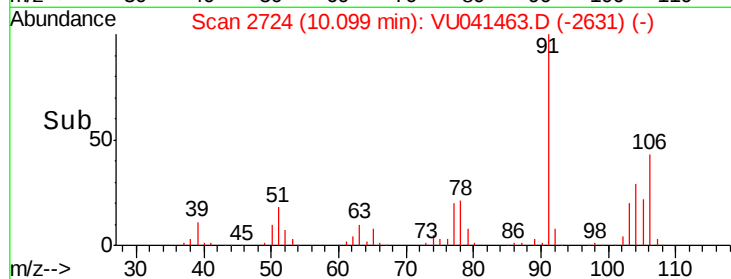
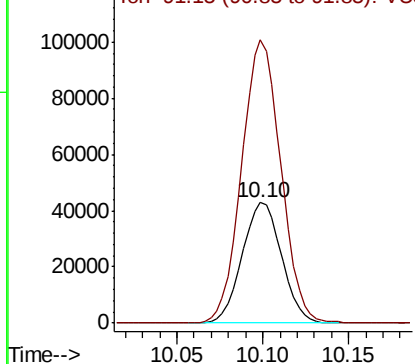
#54
o-Xylene
Concen: 10.460 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041463.D
Acq: 04 Dec 2020 10:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

Tot Ion:106 Resp: 68590
Ion Ratio Lower Upper
106 100
91 234.9 165.8 308.0

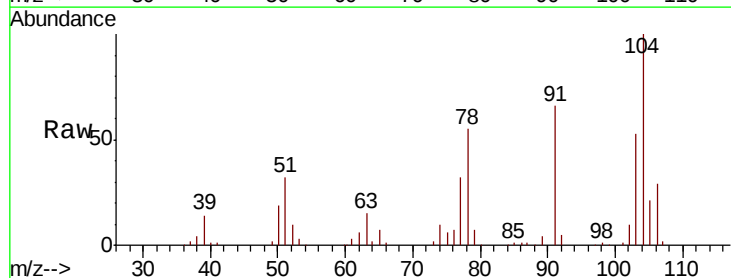


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

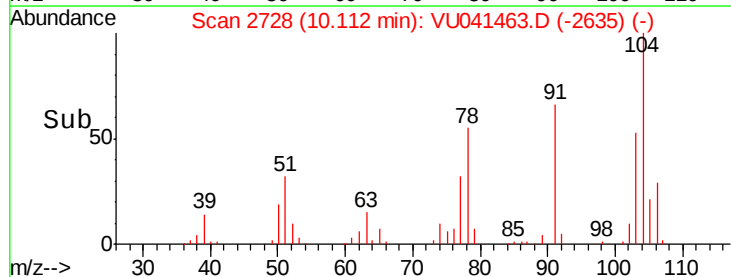
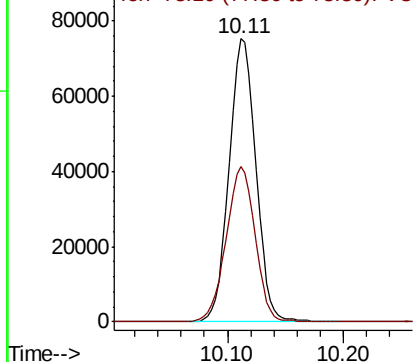


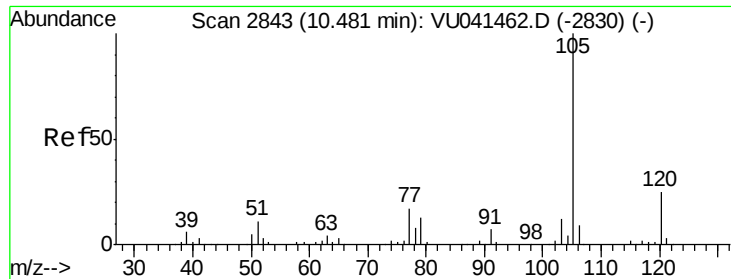
#55
Styrene
Concen: 10.168 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. 0.00 min
Lab File: VU041463.D
Acq: 04 Dec 2020 10:52

Tgt Ion:104 Resp: 119757
Ion Ratio Lower Upper
104 100
78 54.7 39.8 74.0



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





#56

Isopropylbenzene

Concen: 10.304 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041463.D

Acq: 04 Dec 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

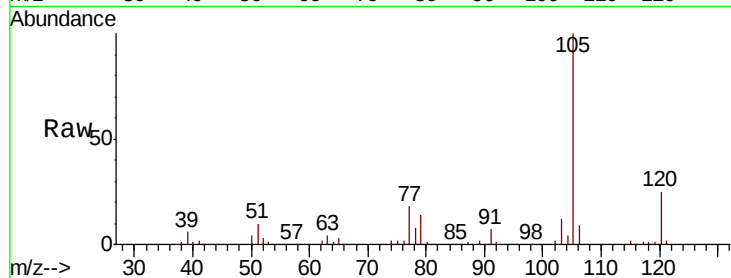
Tot Ion:105 Resp: 194529

Ion Ratio Lower Upper

105 100

120 24.7 20.0 30.0

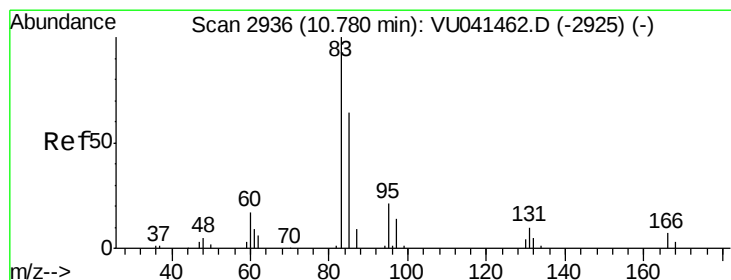
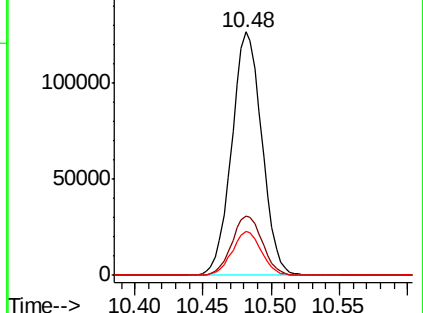
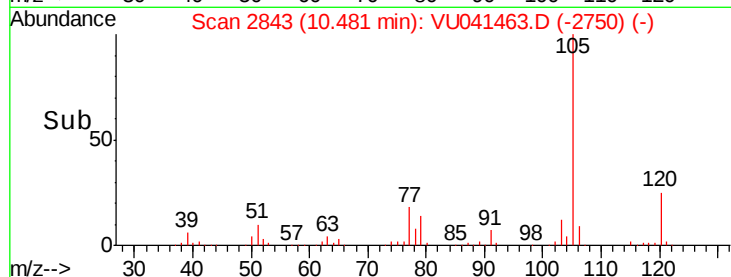
77 17.5 13.9 20.9



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: 9.767 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041463.D

Acq: 04 Dec 2020 10:52

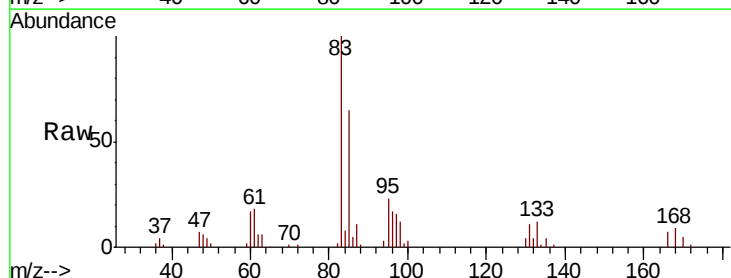
Tgt Ion: 83 Resp: 39905

Ion Ratio Lower Upper

83 100

85 65.4 45.2 84.0

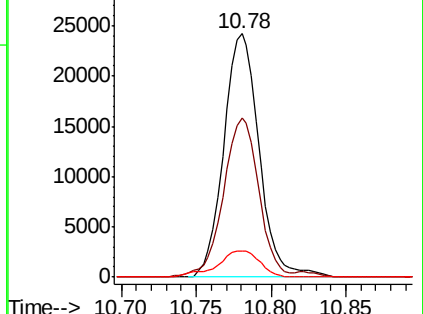
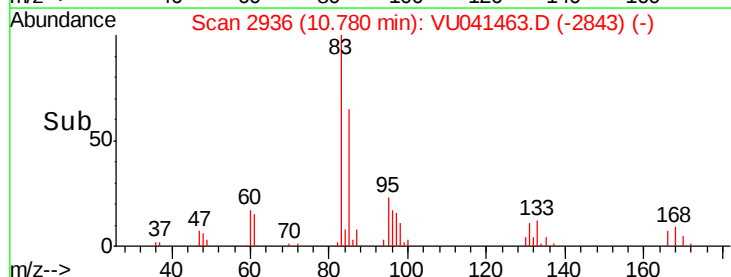
131 10.9 9.1 13.7

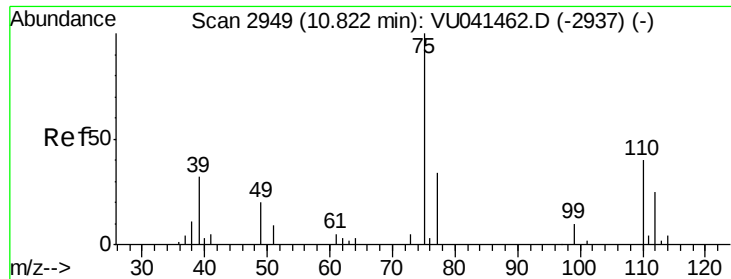


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 9.552 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041463.D

Acq: 04 Dec 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

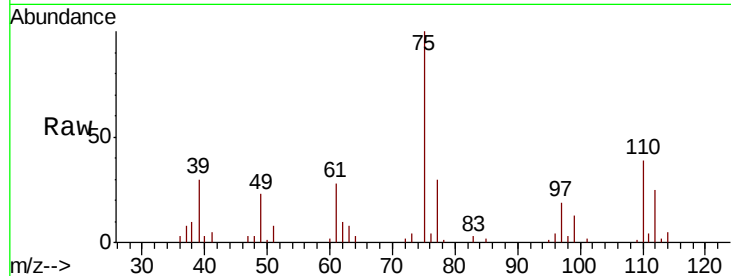
VSTD01003

Tot Ion: 75 Resp: 32488

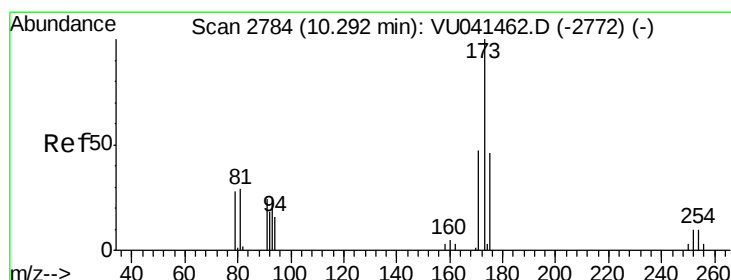
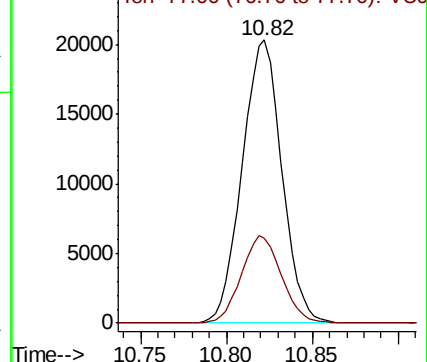
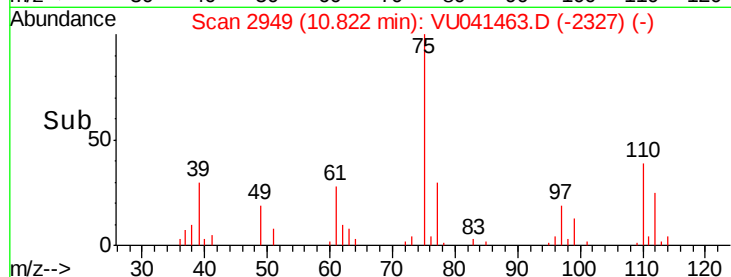
Ion Ratio Lower Upper

75 100

77 31.2 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VU041462.D (-2937) (-)



#61

Bromoform

Concen: 9.342 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU041463.D

Acq: 04 Dec 2020 10:52

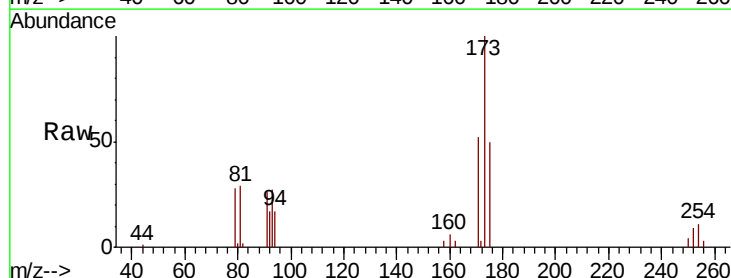
Tgt Ion: 173 Resp: 27020

Ion Ratio Lower Upper

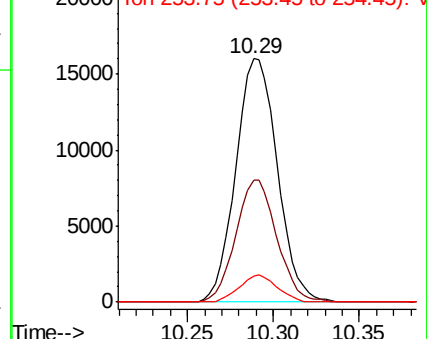
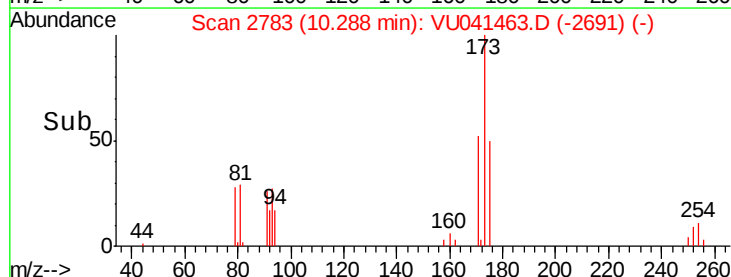
173 100

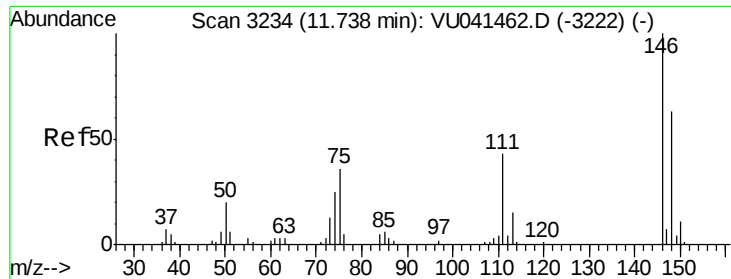
175 49.2 38.8 58.2

254 10.0 7.6 11.4



Abundance Ion 172.90 (172.60 to 173.60): VU041462.D (-2772) (-)





#62

1,3-Dichlorobenzene

Concen: 9.374 ug/L

RT: 11.74 min Scan# 3234

Delta R.T. 0.00 min

Lab File: VU041463.D

Acq: 04 Dec 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

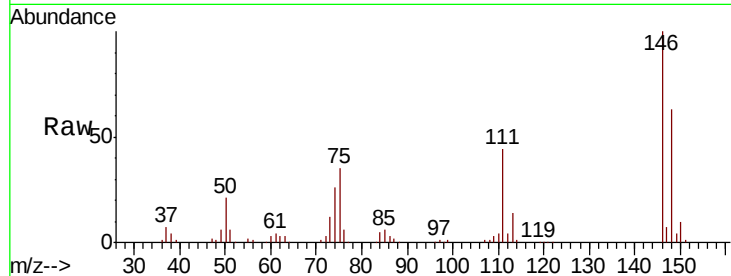
Tot Ion:146 Resp: 92926

Ion Ratio Lower Upper

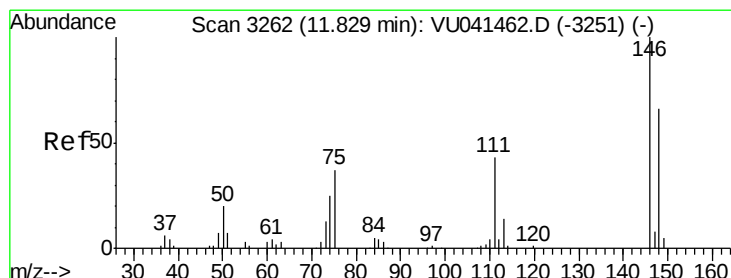
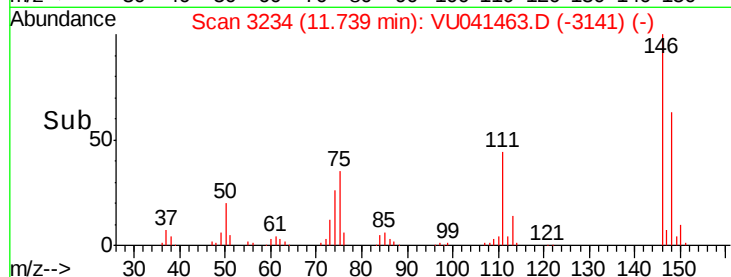
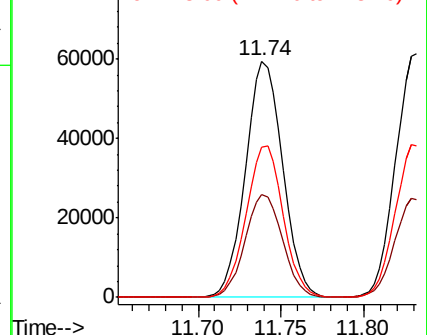
146 100

111 43.5 30.2 56.0

148 63.4 44.0 81.6



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



#63

1,4-Dichlorobenzene

Concen: 9.614 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041463.D

Acq: 04 Dec 2020 10:52

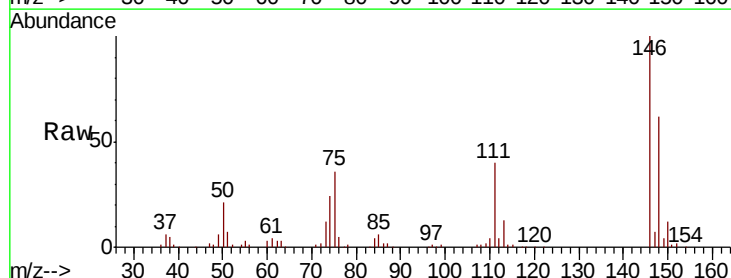
Tgt Ion:146 Resp: 95910

Ion Ratio Lower Upper

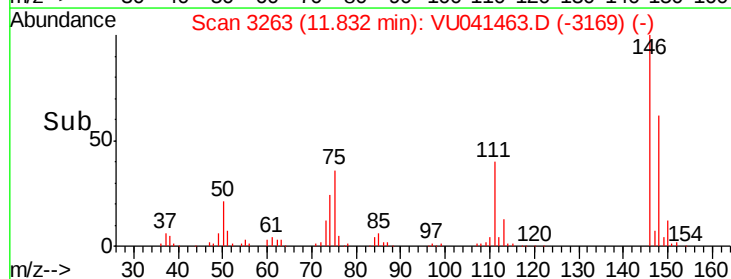
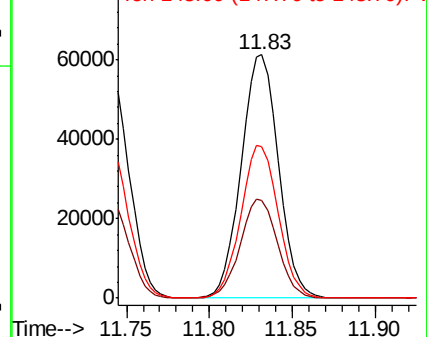
146 100

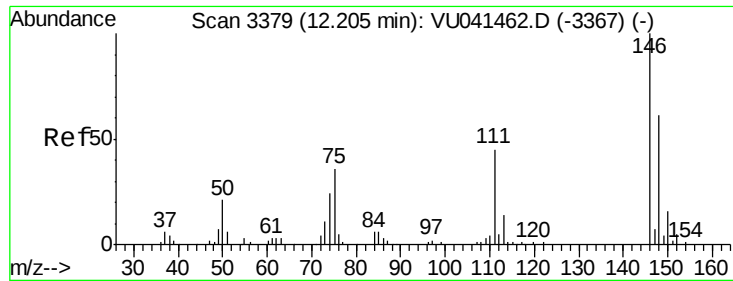
111 39.9 30.7 57.1

148 62.4 45.8 85.2



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

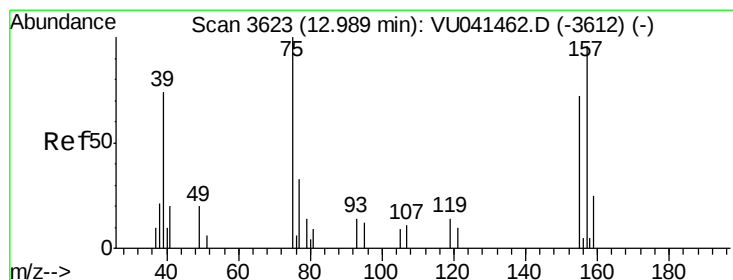
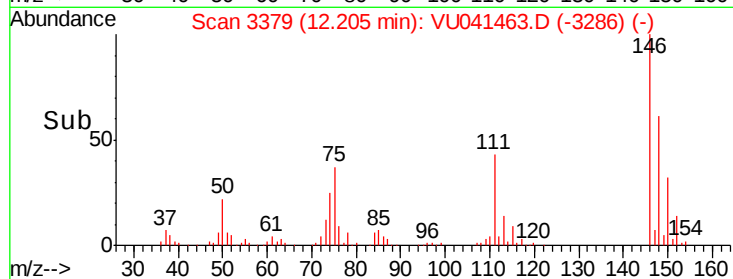
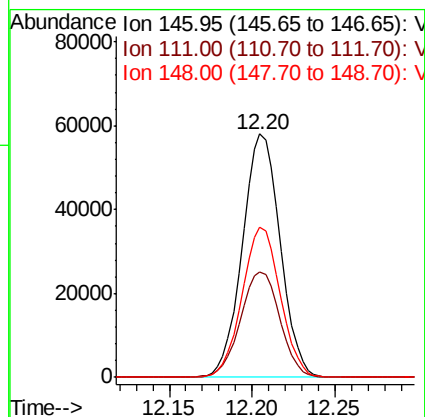
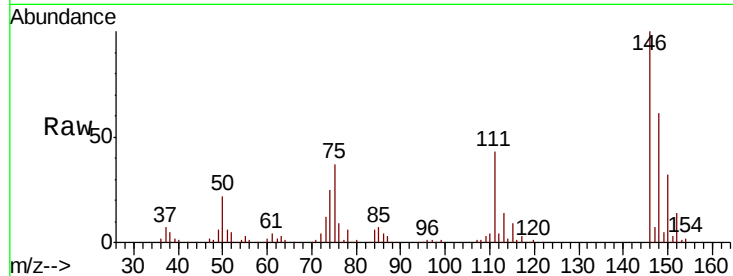




#65
 1,2-Dichlorobenzene
 Concen: 9.485 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU041463.D
 Acq: 04 Dec 2020 10:52

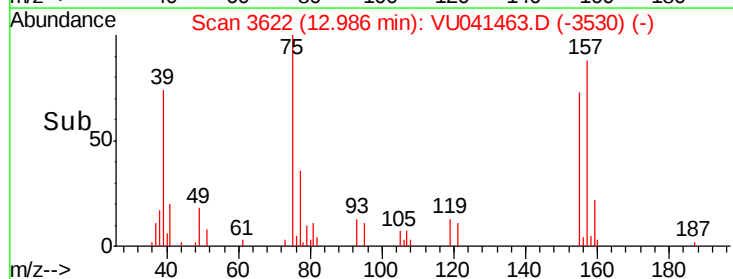
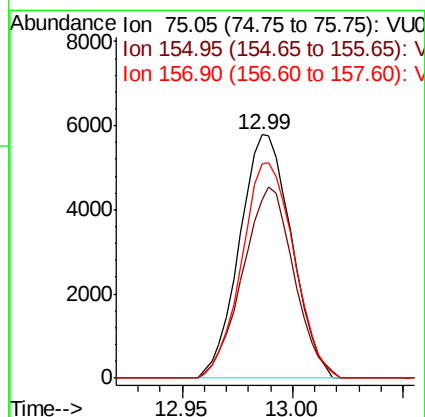
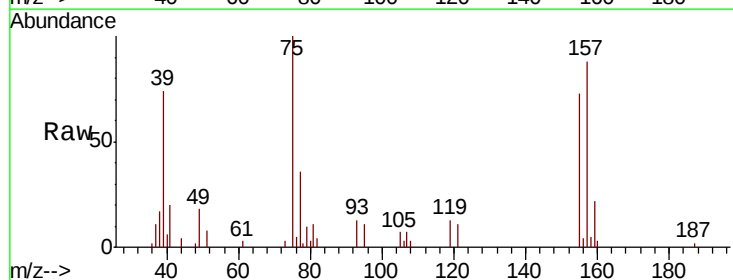
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

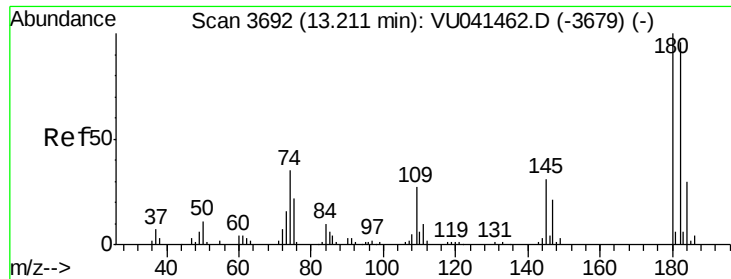
Tot Ion:146 Resp: 91829
 Ion Ratio Lower Upper
 146 100
 111 43.5 36.0 54.0
 148 61.5 49.0 73.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 10.007 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU041463.D
 Acq: 04 Dec 2020 10:52

Tgt Ion: 75 Resp: 9508
 Ion Ratio Lower Upper
 75 100
 155 73.3 58.0 87.0
 157 88.2 77.1 115.7

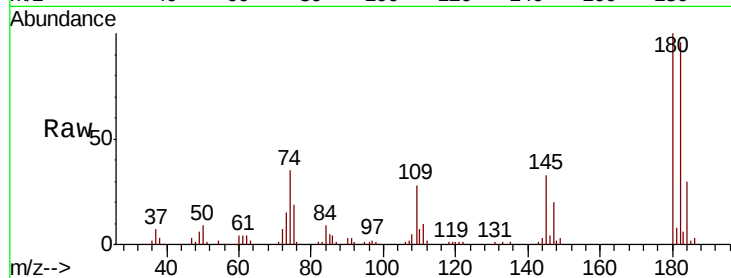




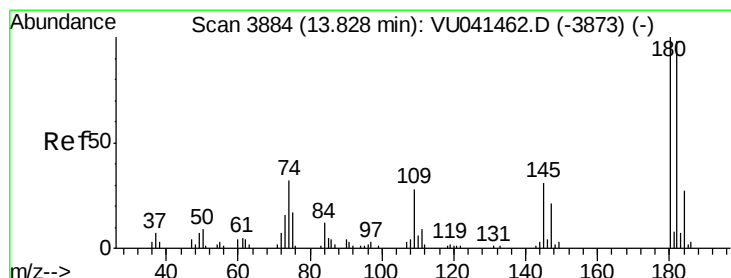
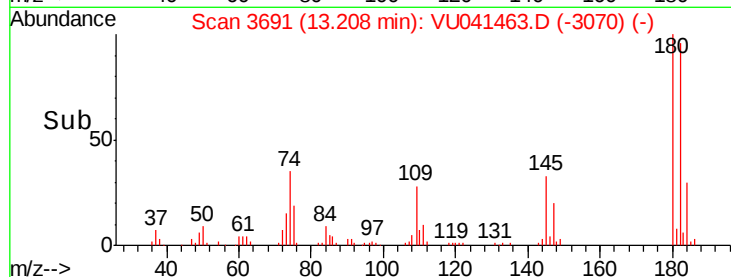
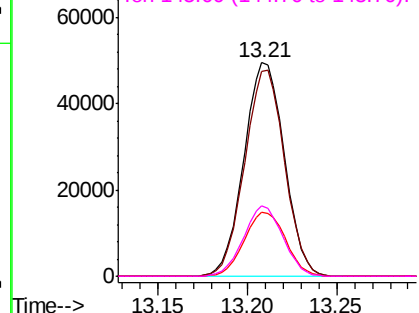
#67
 1,3,5-Trichlorobenzene
 Concen: 10.166 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU041463.D
 Acq: 04 Dec 2020 10:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

Tot Ion:180 Resp: 77956
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.3 114.5
 184 30.8 23.8 35.6
 145 31.9 25.1 37.7

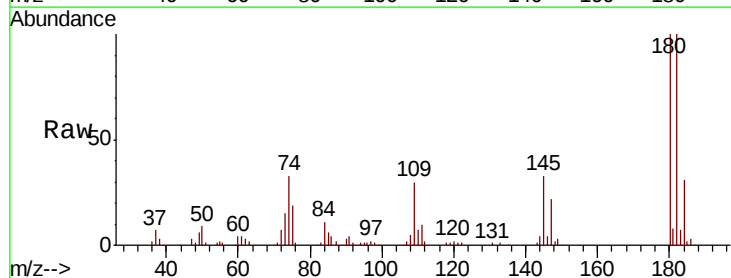


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

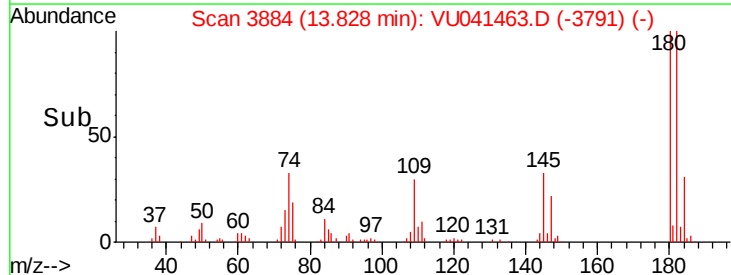
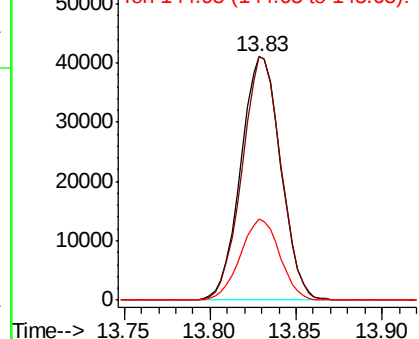


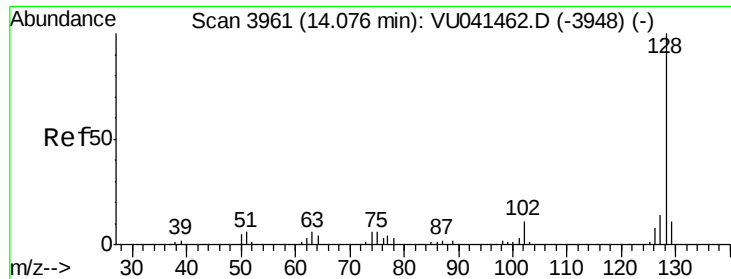
#68
 1,2,4-trichlorobenzene
 Concen: 10.654 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041463.D
 Acq: 04 Dec 2020 10:52

Tgt Ion:180 Resp: 66133
 Ion Ratio Lower Upper
 180 100
 182 97.3 77.8 116.8
 145 32.9 26.4 39.6



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: 11.086 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041463.D

Acq: 04 Dec 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

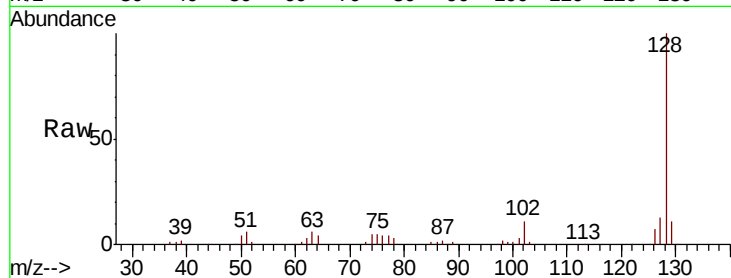
Tot Ion:128 Resp: 114295

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

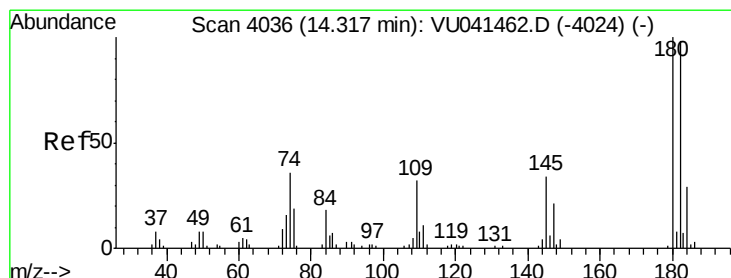
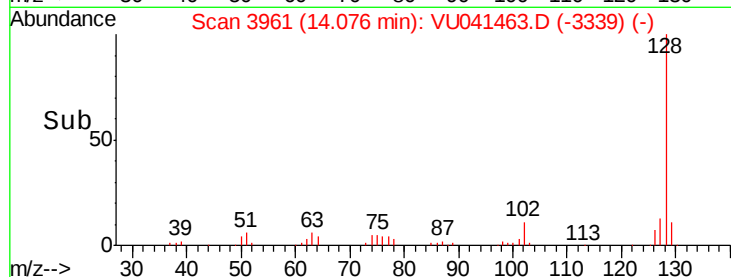
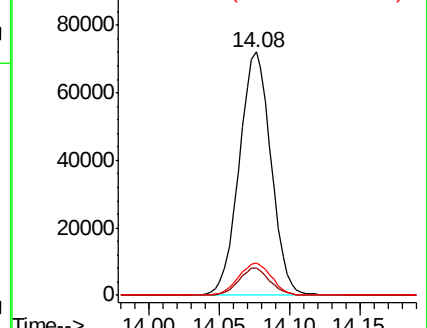
127 13.7 10.9 16.3



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: 10.209 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041463.D

Acq: 04 Dec 2020 10:52

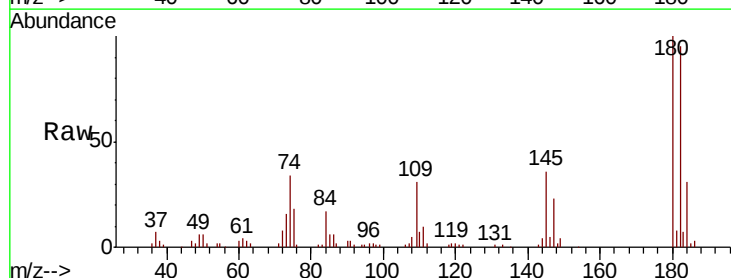
Tgt Ion:180 Resp: 58727

Ion Ratio Lower Upper

180 100

182 94.8 79.1 118.7

145 35.8 27.8 41.8



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

