

Data File : VU036680.D
Acq On : 06 Feb 2020 11:53
Operator : JC/MD
Sample : VSTD01032
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD010102

Quant Time: Feb 07 04:31:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 04:29:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	277188	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	255245	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	114809	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	17586	7.08	ug/L	0.00
7) Chloroethane-d5	1.93	69	16618	7.09	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	32516	7.83	ug/L	0.00
21) 2-Butanone-d5	4.68	46	30780	21.24	ug/L	0.00
24) Chloroform-d	5.11	84	31481	7.96	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	21560	8.64	ug/L	0.00
32) Benzene-d6	5.77	84	65140	9.07	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	21424	9.14	ug/L	0.00
41) Toluene-d8	7.93	98	58546	8.80	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	9821	8.80	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	23716	23.50	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.78	84	30294	8.99	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.21	152	20125	8.84	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	18657	7.178 ug/L	95
3) Chloromethane	1.54	50	22030	7.974 ug/L	100
5) Vinyl chloride	1.62	62	23458	7.866 ug/L	97
6) Bromomethane	1.87	94	14723	7.114 ug/L	97
8) Chloroethane	1.95	64	14777	6.871 ug/L	95
9) Trichlorofluoromethane	2.16	101	27860	7.339 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	16825	8.825 ug/L	99
12) 1,1-Dichloroethene	2.61	96	15760	8.331 ug/L	100
13) Acetone	2.66	43	33964	24.199 ug/L	99
14) Carbon disulfide	2.82	76	47660	8.066 ug/L	99
15) Methyl Acetate	2.99	43	23225	10.102 ug/L	99
16) Methylene chloride	3.08	84	20112	9.254 ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	17183	8.736 ug/L	100
18) Methyl tert-butyl Ether	3.41	73	58929	9.789 ug/L	99
19) 1,1-Dichloroethane	3.92	63	34215	8.983 ug/L	98
20) cis-1,2-Dichloroethene	4.72	96	19379	8.893 ug/L	94
22) 2-Butanone	4.76	43	38420	22.674 ug/L	97
23) Bromochloromethane	5.02	128	9300	8.439 ug/L	95
25) Chloroform	5.14	83	32711	8.313 ug/L	98
27) 1,2-Dichloroethane	5.84	62	28156	9.152 ug/L	100
29) Cyclohexane	5.43	56	32030	11.106 ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	26027	8.471 ug/L	96
31) Carbon tetrachloride	5.57	117	20362	7.583 ug/L	95
33) Benzene	5.82	78	74530	9.564 ug/L	100
34) Trichloroethene	6.58	95	18739	9.157 ug/L	98
35) Methylcyclohexane	6.80	83	32005	10.472 ug/L	97
37) 1,2-Dichloropropane	6.83	63	20128	9.468 ug/L	# 96
38) Bromodichloromethane	7.14	83	23970	8.818 ug/L	96
39) cis-1,3-Dichloropropene	7.64	75	31835	10.048 ug/L	96
40) 4-Methyl-2-pentanone	7.83	43	61610	22.118 ug/L	99

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42) Toluene	8.00	91	80261	9.759	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	26968	9.380	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	18530	9.267	ug/L	97
46) Tetrachloroethene	8.58	164	13071	8.369	ug/L	97
48) 2-Hexanone	8.72	43	48169	22.456	ug/L	97
49) Dibromochloromethane	8.84	129	16895	7.758	ug/L	97
50) 1,2-Dibromoethane	8.95	107	18927	9.074	ug/L	98
51) Chlorobenzene	9.47	112	48092	9.074	ug/L	98
52) Ethylbenzene	9.60	91	86610	9.928	ug/L	99
53) m,p-Xylene	9.72	106	32098	9.908	ug/L	99
54) o-xylene	10.13	106	31621	9.913	ug/L	99
55) Styrene	10.14	104	51193	9.503	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.81	83	32033	9.438	ug/L	99
59) Bromoform	10.32	173	11820	8.204	ug/L	100
60) 1,2,3-Trichloropropane	10.85	75	26340	10.966	ug/L	98
61) Isopropylbenzene	10.51	105	83624	11.343	ug/L	99
62) 1,3,5-Trimethylbenzene	11.11	105	69798	11.595	ug/L	99
63) 1,2,4-Trimethylbenzene	11.49	105	69095	11.591	ug/L	99
64) 1,3-Dichlorobenzene	11.77	146	35151	9.859	ug/L	99
65) 1,4-Dichlorobenzene	11.86	146	34953	9.590	ug/L	99
67) 1,2-Dichlorobenzene	12.23	146	35473	9.782	ug/L	99
68) 1,2-Dibromo-3-chloropropan	13.01	75	7248	10.723	ug/L	94
69) 1,3,5-Trichlorobenzene	13.23	180	23947	9.036	ug/L	99
70) 1,2,4-trichlorobenzene	13.85	180	19477	8.902	ug/L	97
71) Naphthalene	14.10	128	63431	9.405	ug/L	99
72) 1,2,3-Trichlorobenzene	14.34	180	20048	8.868	ug/L	97

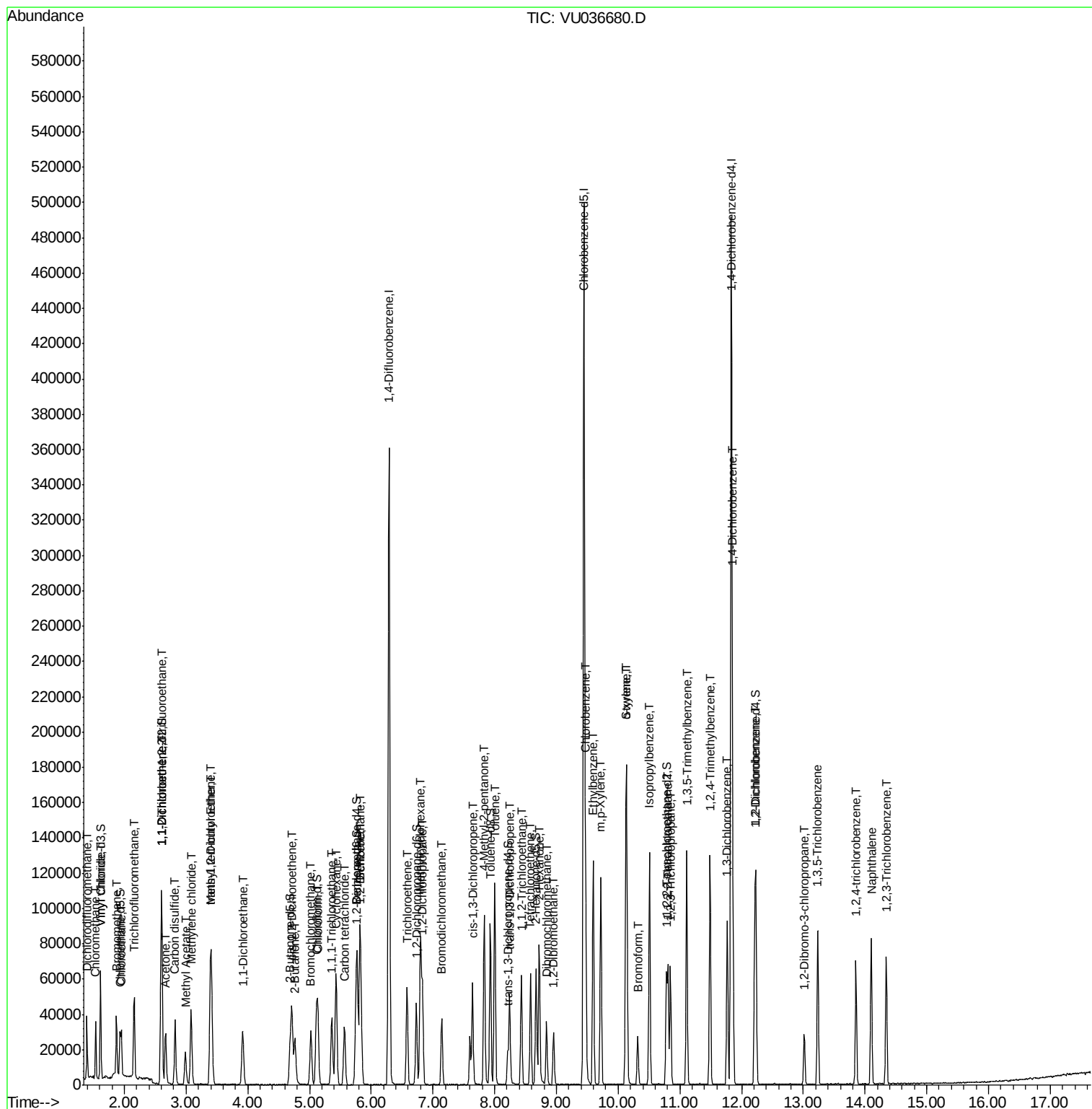
(#) = qualifier out of range (m) = manual integration (+) = signals summed

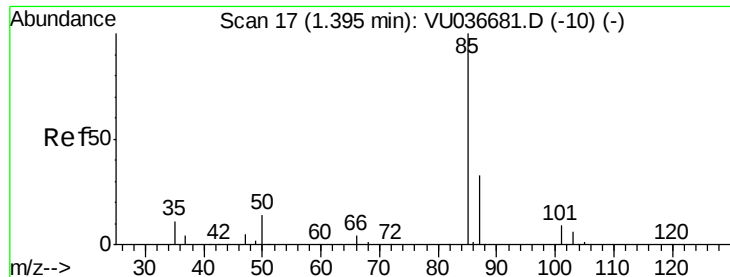
Data File : VU036680.D

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#2

Dichlorodifluoromethane

Concen: 7.178 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036680.D

Acq: 06 Feb 2020 11:53

Instrument :

MSVOA_U

ClientSampleId :

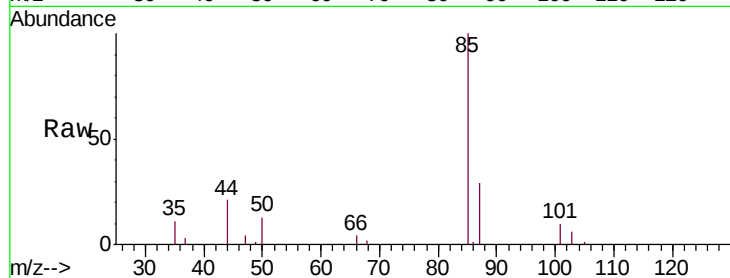
VSTD010102

Tgt Ion: 85 Resp: 18657

Ion Ratio Lower Upper

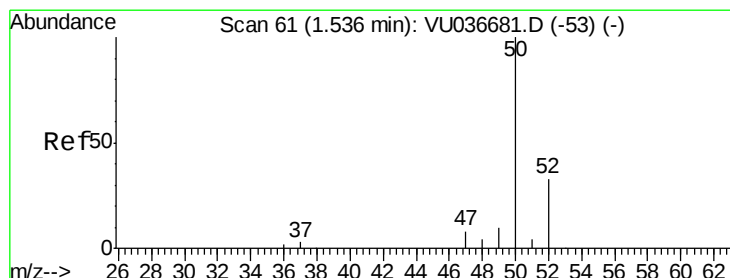
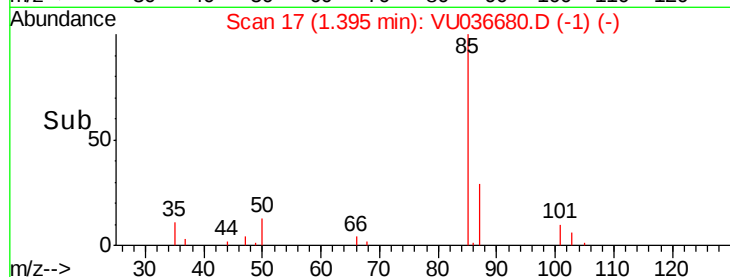
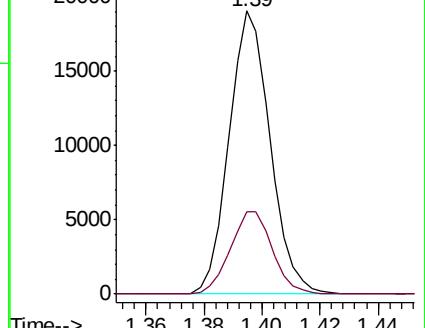
85 100

87 29.9 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU036680.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU036680.D (-10) (-)



#3

Chloromethane

Concen: 7.974 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036680.D

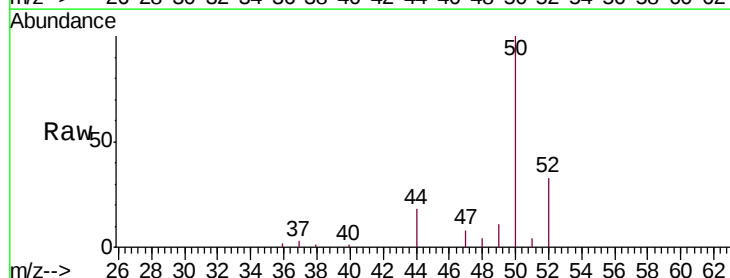
Acq: 06 Feb 2020 11:53

Tgt Ion: 50 Resp: 22030

Ion Ratio Lower Upper

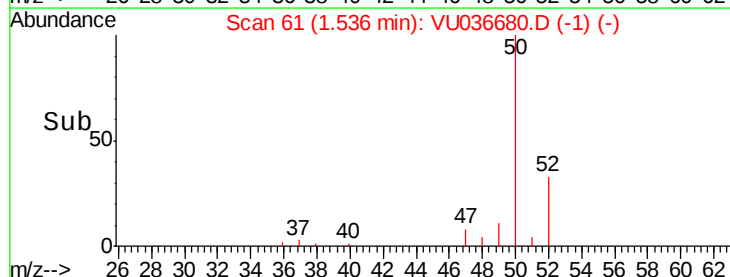
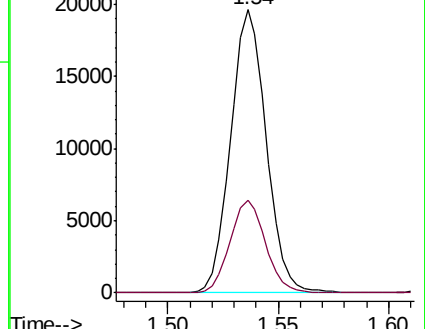
50 100

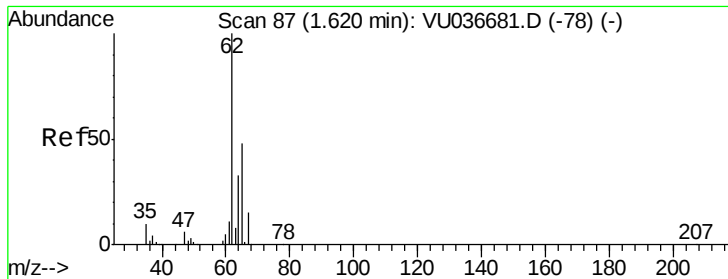
52 32.9 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU036680.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU036680.D (-53) (-)





#5

Vinyl chloride

Concen: 7.866 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036680.D

Acq: 06 Feb 2020 11:53

Instrument :

MSVOA_U

ClientSampleId :

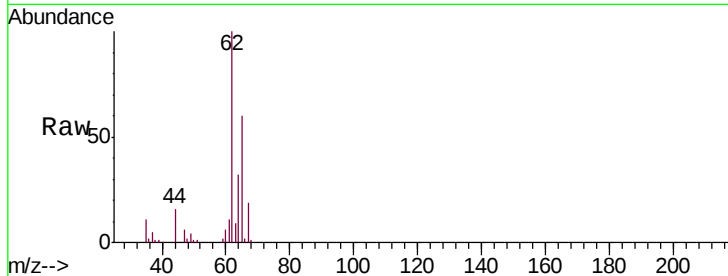
VSTD010102

Tgt Ion: 62 Resp: 23458

Ion Ratio Lower Upper

62 100

64 31.8 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU036680.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU036680.D (-1) (-)

1.62

25000

20000

15000

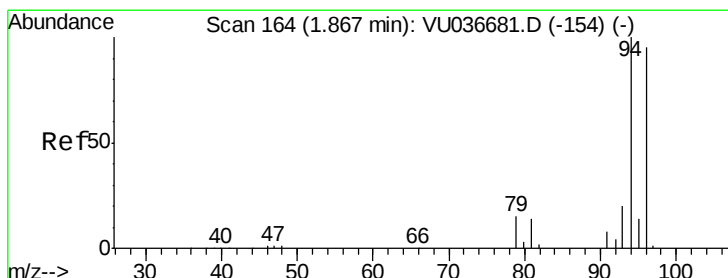
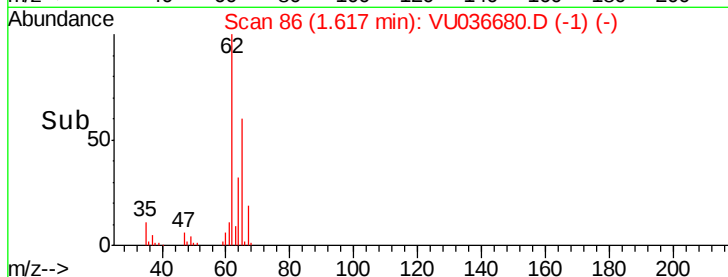
10000

5000

0

1.60 1.65

Time-->



#6

Bromomethane

Concen: 7.114 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU036680.D

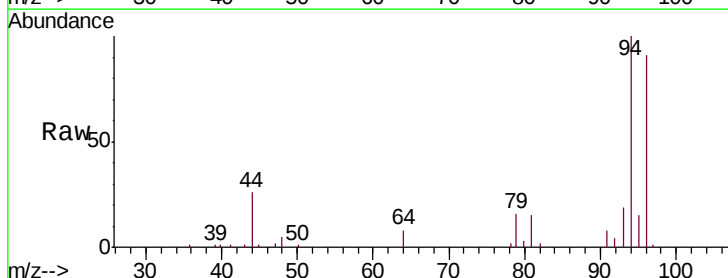
Acq: 06 Feb 2020 11:53

Tgt Ion: 94 Resp: 14723

Ion Ratio Lower Upper

94 100

96 91.4 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU036680.D (-71) (-)

Ion 96.00 (95.70 to 96.70): VU036680.D (-71) (-)

1.87

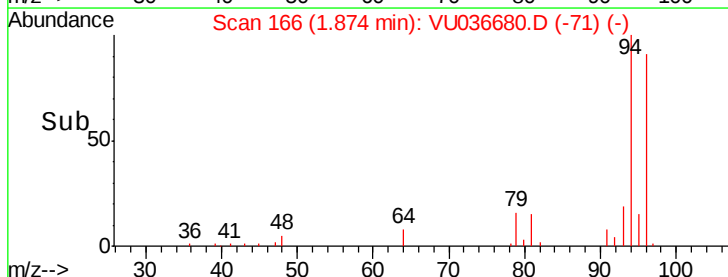
10000

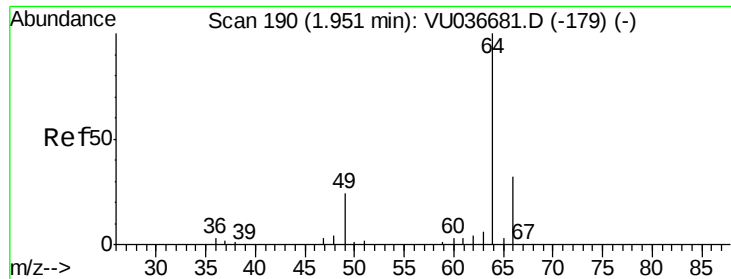
5000

0

1.85 1.90

Time-->





#8

Chloroethane

Concen: 6.871 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036680.D

Acq: 06 Feb 2020 11:53

Instrument :

MSVOA_U

ClientSampleId :

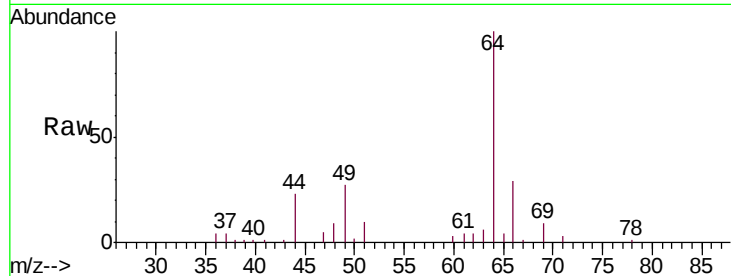
VSTD010102

Tgt Ion: 64 Resp: 14777

Ion Ratio Lower Upper

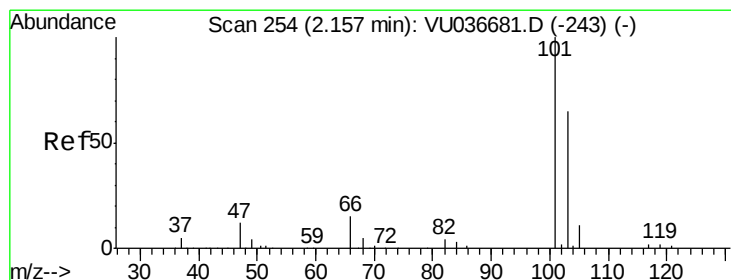
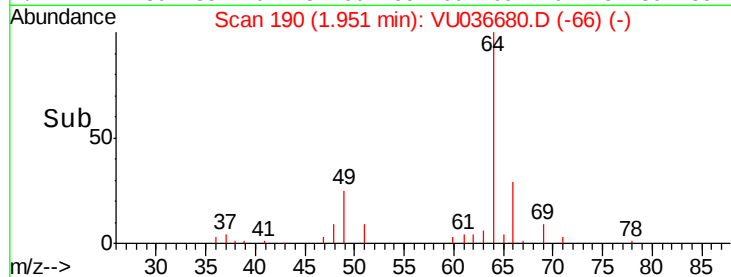
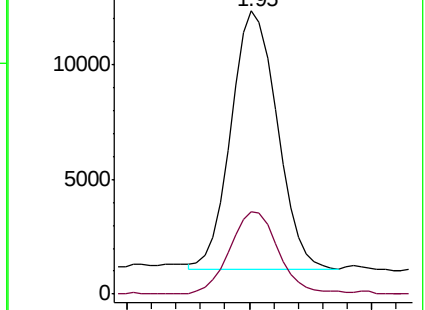
64 100

66 28.9 22.1 41.1



Abundance Ion 64.00 (63.70 to 64.70): VU036680.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU036680.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 7.339 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU036680.D

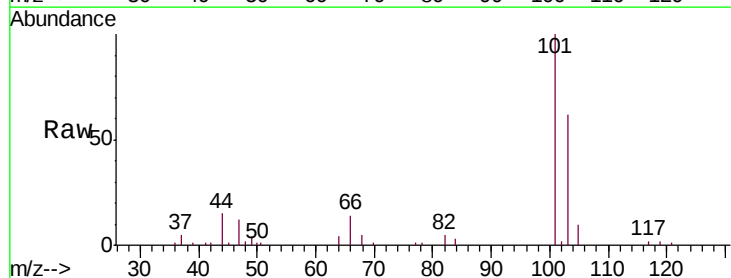
Acq: 06 Feb 2020 11:53

Tgt Ion: 101 Resp: 27860

Ion Ratio Lower Upper

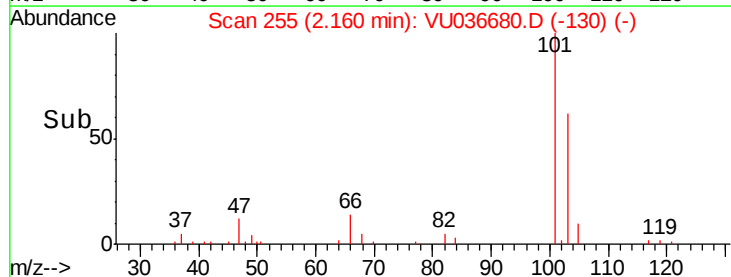
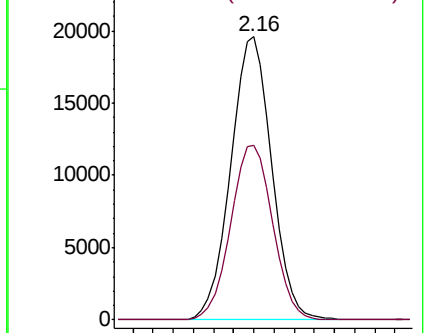
101 100

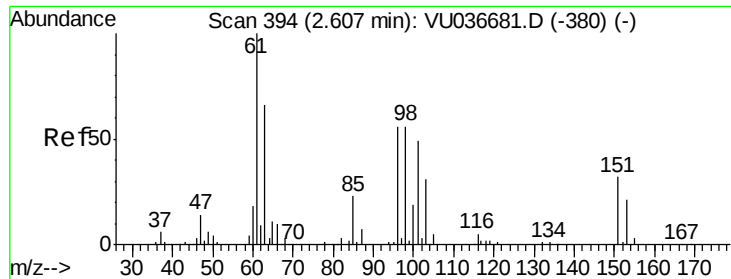
103 63.1 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VU036680.D (-130) (-)

Ion 103.00 (102.70 to 103.70): VU036680.D (-130) (-)





#10

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

Concen: 8.825 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036680.D

Acq: 06 Feb 2020 11:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD010102

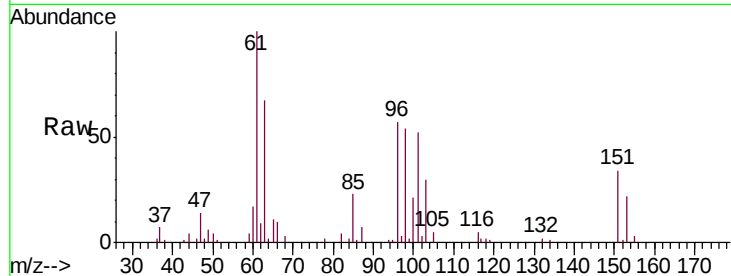
Tgt Ion: 101 Resp: 16825

Ion Ratio Lower Upper

101 100

85 44.0 36.5 54.7

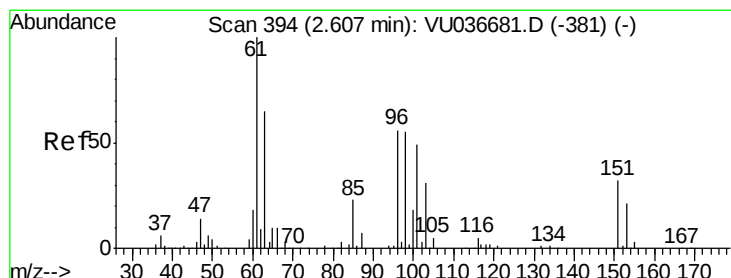
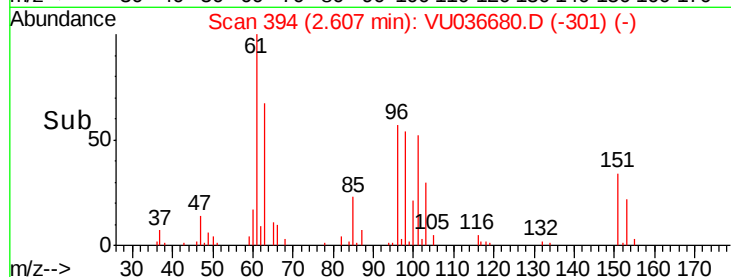
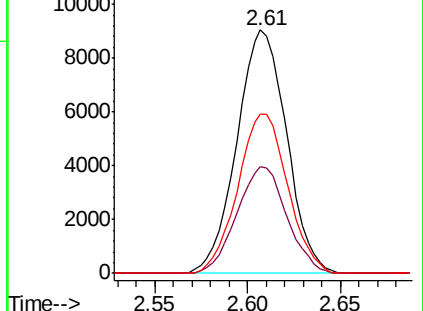
151 65.6 52.6 78.8



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: 8.331 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036680.D

Acq: 06 Feb 2020 11:53

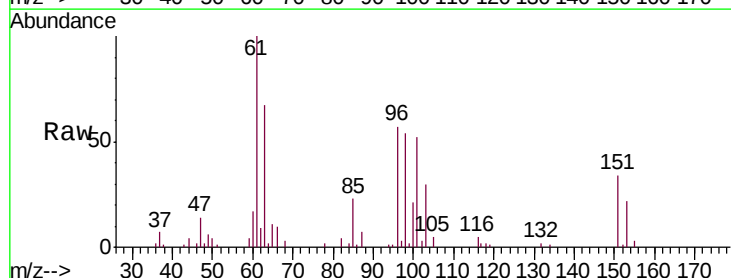
Tgt Ion: 96 Resp: 15760

Ion Ratio Lower Upper

96 100

61 176.9 124.4 231.0

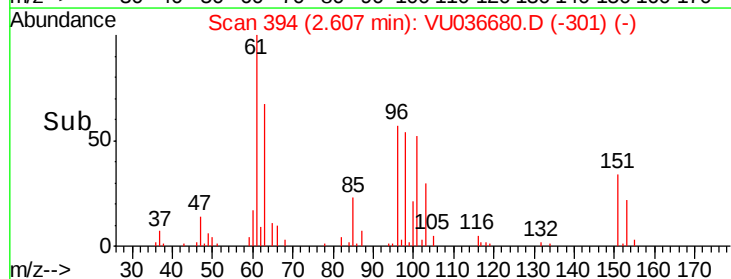
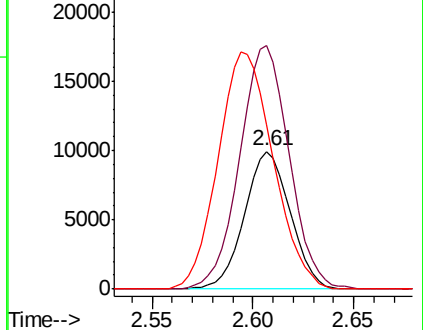
63 118.9 83.4 155.0

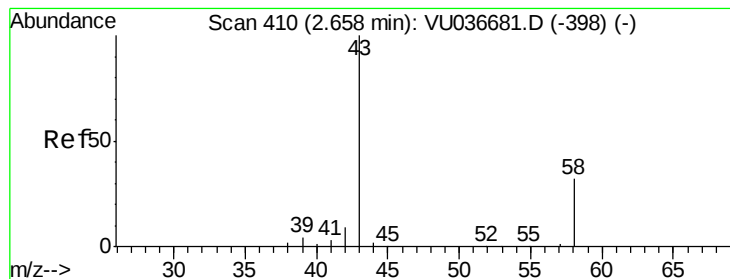


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 24.199 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU036680.D

Acq: 06 Feb 2020 11:53

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ClientSampleId :

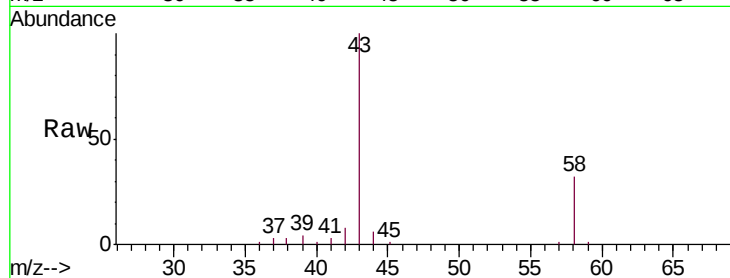
VSTD010102

Tgt Ion: 43 Resp: 33964

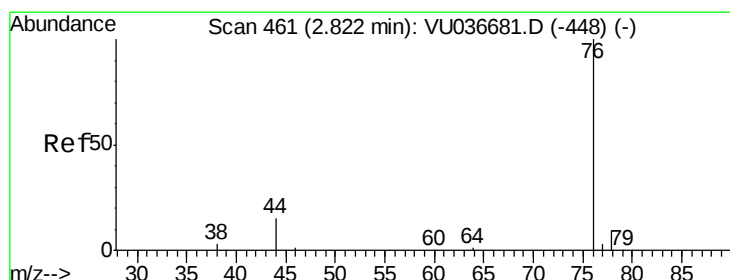
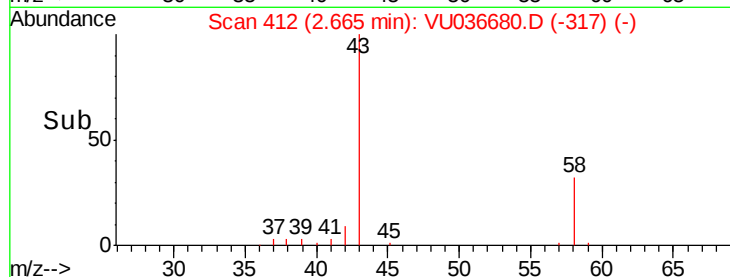
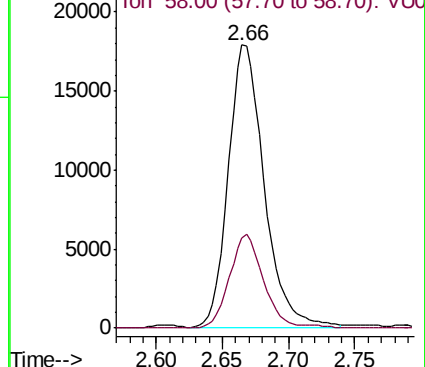
Ion Ratio Lower Upper

43 100

58 31.4 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU036680.D (-317) (-)



#14

Carbon disulfide

Concen: 8.066 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036680.D

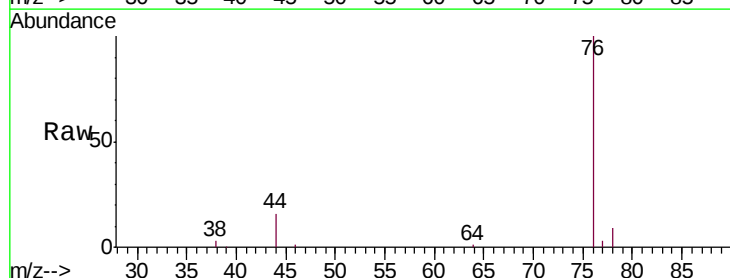
Acq: 06 Feb 2020 11:53

Tgt Ion: 76 Resp: 47660

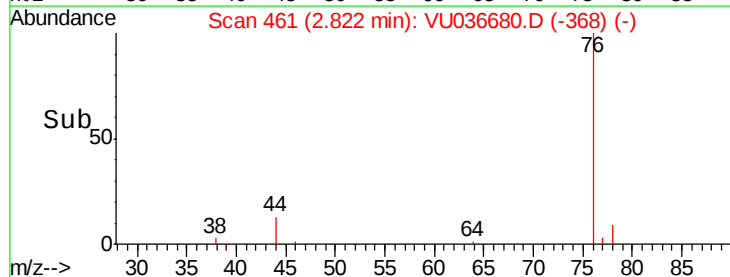
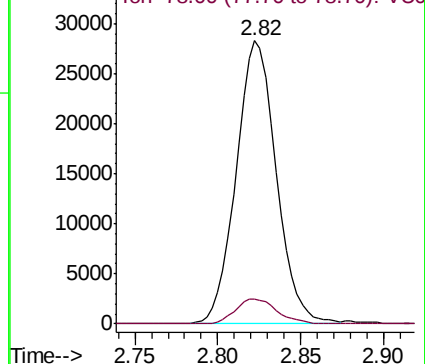
Ion Ratio Lower Upper

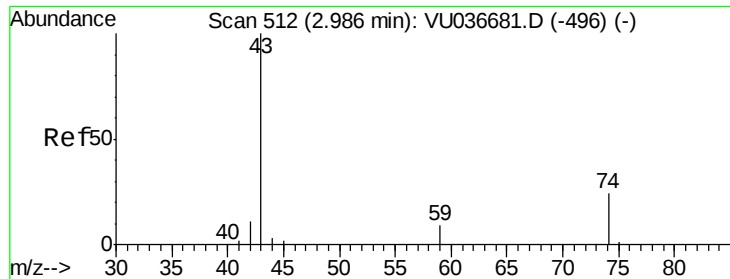
76 100

78 8.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU036680.D (-368) (-)

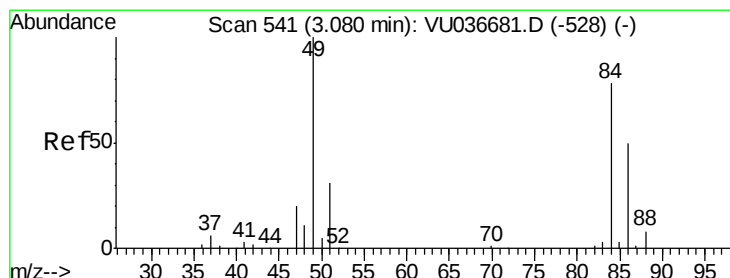
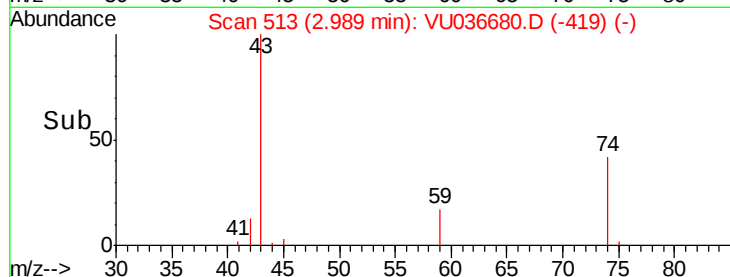
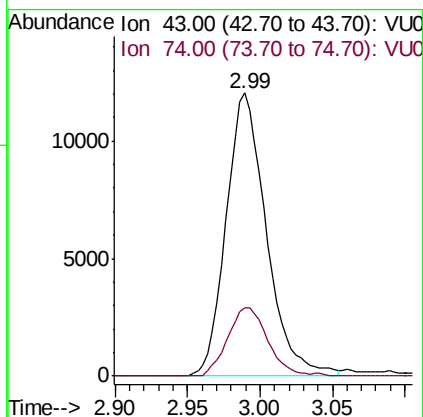
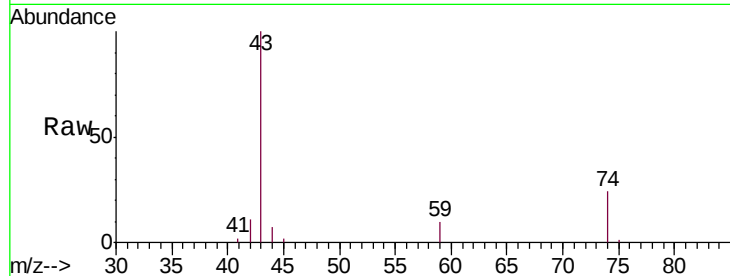




#15
Methyl Acetate
Concen: 10.102 ug/L
RT: 2.99 min Scan# 513
Delta R.T. 0.00 min
Lab File: VU036680.D
Acq: 06 Feb 2020 11:53

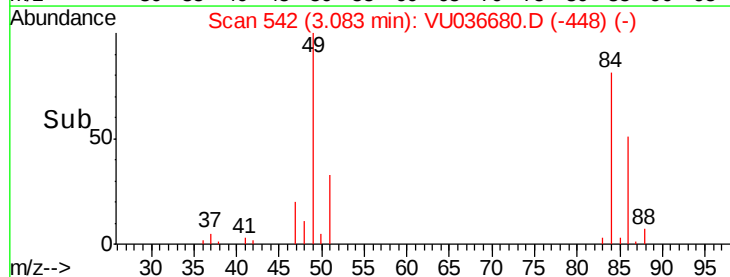
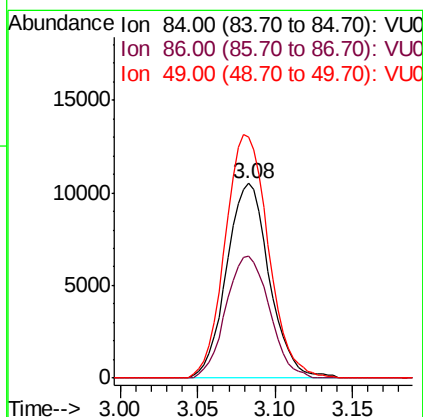
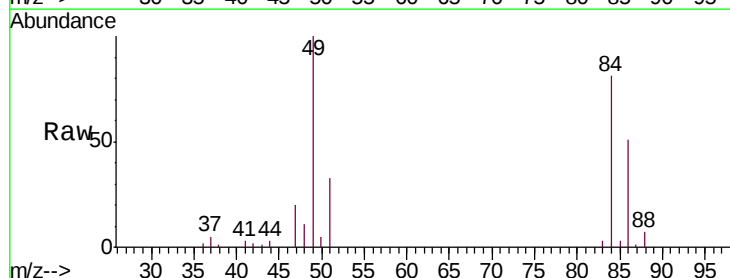
Instrument :
MSVOA_U
ClientSampleId :
VSTD010102

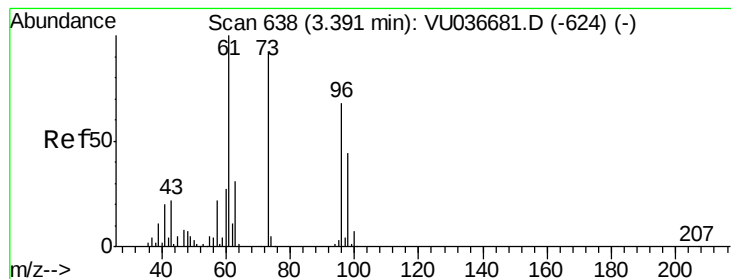
Tgt Ion: 43 Resp: 23225
Ion Ratio Lower Upper
43 100
74 24.0 18.7 28.1



#16
Methylene chloride
Concen: 9.254 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036680.D
Acq: 06 Feb 2020 11:53

Tgt Ion: 84 Resp: 20112
Ion Ratio Lower Upper
84 100
86 62.6 44.4 82.5
49 123.9 89.2 165.8





#17

trans-1,2-Dichloroethene

Concen: 8.736 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU036680.D

Acq: 06 Feb 2020 11:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD010102

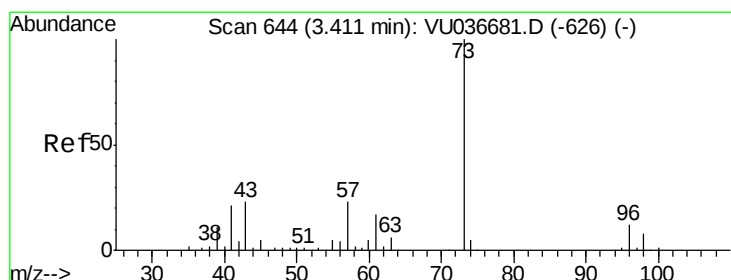
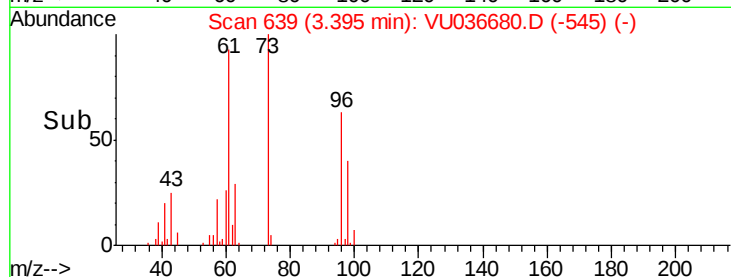
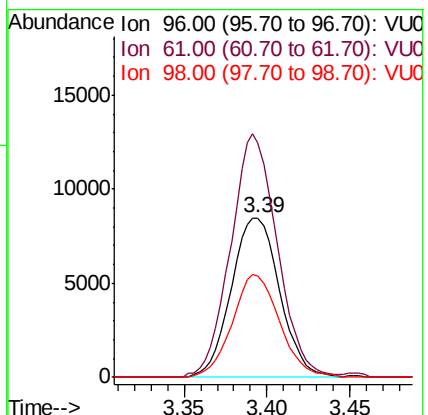
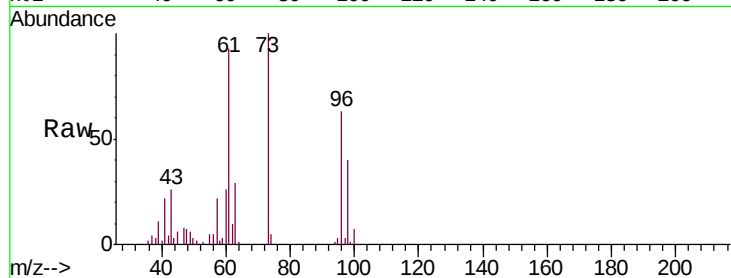
Tgt Ion: 96 Resp: 17183

Ion Ratio Lower Upper

96 100

61 147.6 103.4 192.0

98 63.8 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 9.789 ug/L

RT: 3.41 min Scan# 644

Delta R.T. -0.00 min

Lab File: VU036680.D

Acq: 06 Feb 2020 11:53

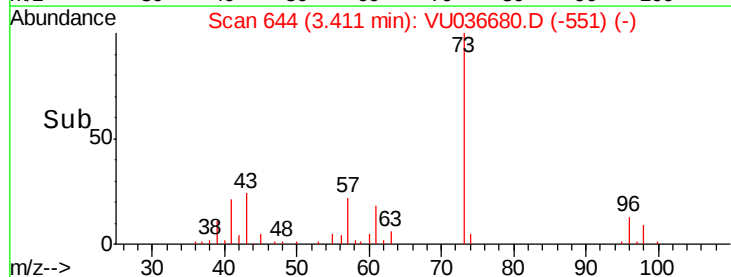
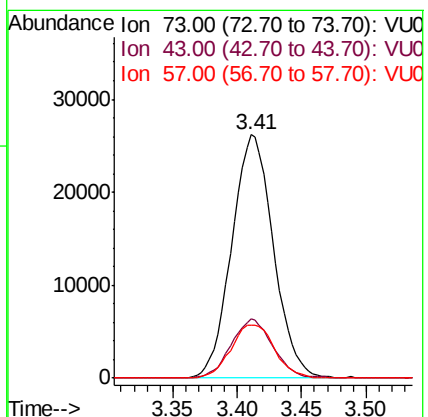
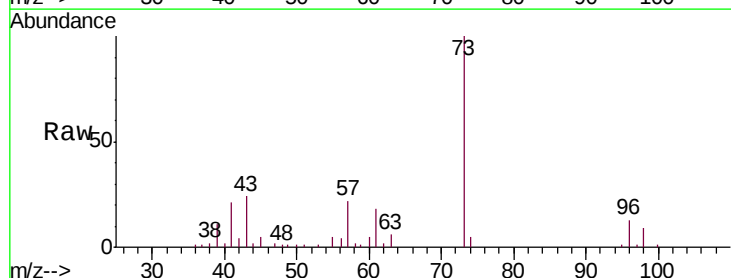
Tgt Ion: 73 Resp: 58929

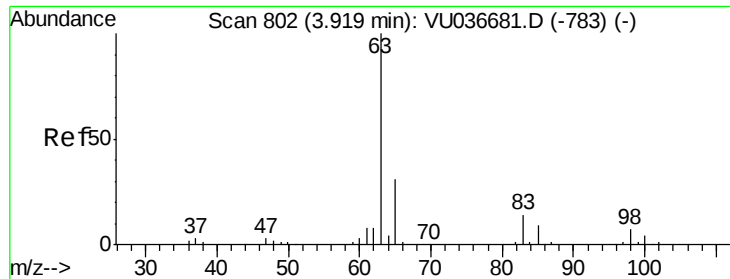
Ion Ratio Lower Upper

73 100

43 24.1 18.6 28.0

57 22.8 18.3 27.5

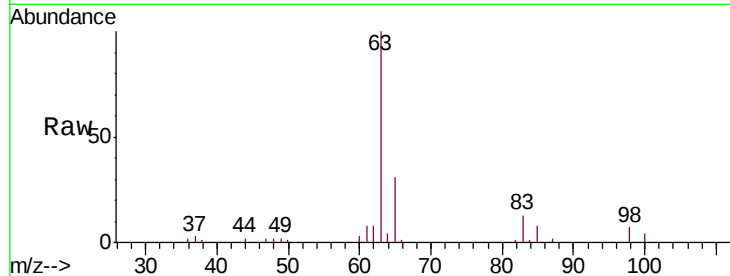




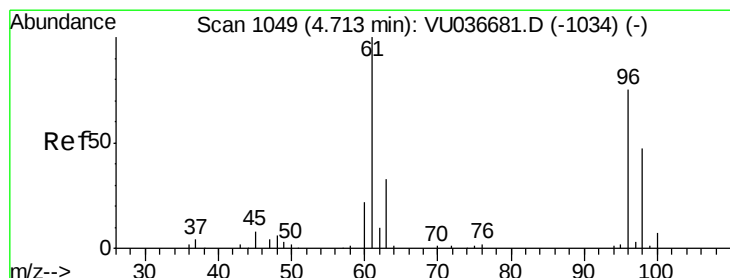
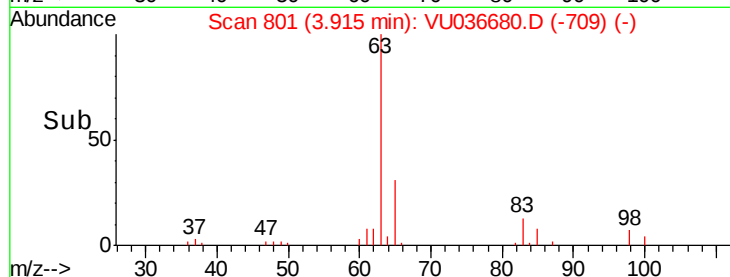
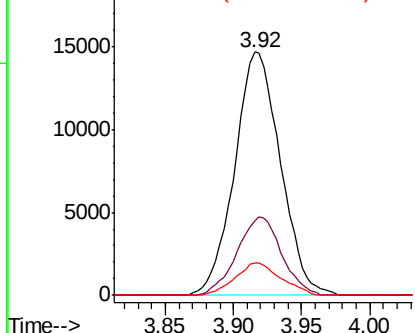
#19
 1,1-Dichloroethane
 Concen: 8.983 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VU036680.D
 Acq: 06 Feb 2020 11:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010102

Tgt Ion: 63 Resp: 34215
 Ion Ratio Lower Upper
 63 100
 65 30.6 22.0 40.8
 83 13.5 10.1 18.7

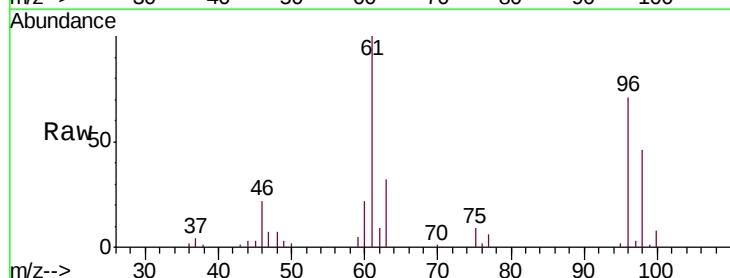


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

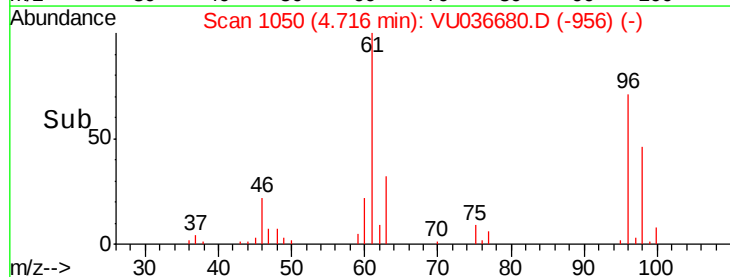
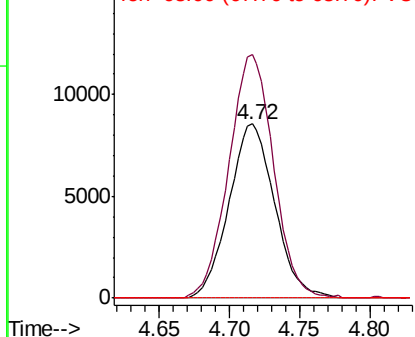


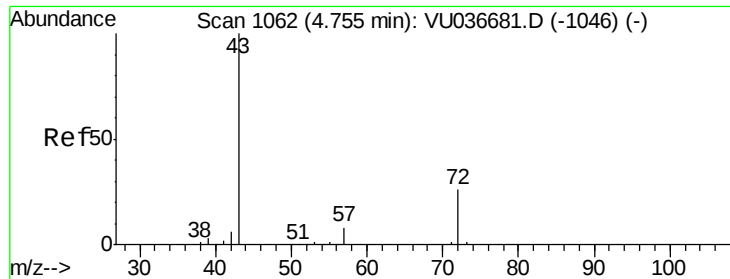
#20
 cis-1,2-Dichloroethene
 Concen: 8.893 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU036680.D
 Acq: 06 Feb 2020 11:53

Tgt Ion: 96 Resp: 19379
 Ion Ratio Lower Upper
 96 100
 61 139.9 93.3 173.3
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 22.674 ug/L

RT: 4.76 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VU036680.D

Acq: 06 Feb 2020 11:53

Instrument :

MSVOA_U

ClientSampleId :

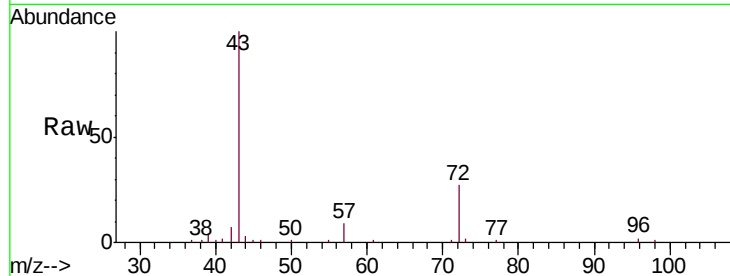
VSTD010102

Tgt Ion: 43 Resp: 38420

Ion Ratio Lower Upper

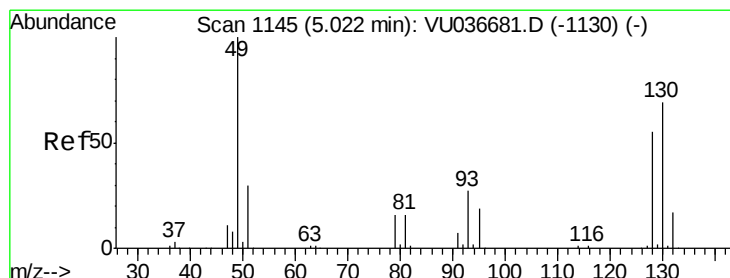
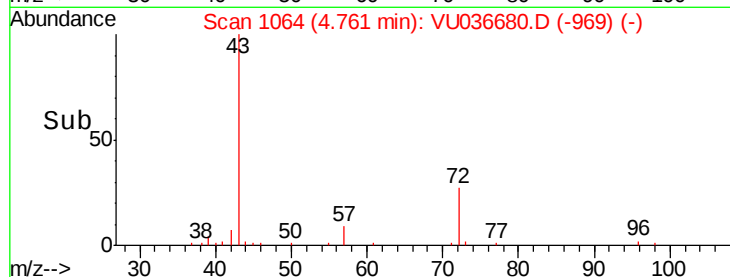
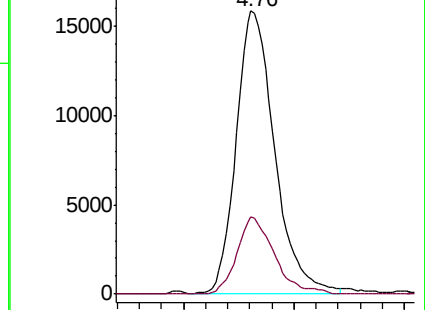
43 100

72 25.6 13.6 40.7



Abundance Ion 43.00 (42.70 to 43.70): VU036680.D (-969) (-)

Ion 72.00 (71.70 to 72.70): VU036680.D (-969) (-)



#23

Bromochloromethane

Concen: 8.439 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VU036680.D

Acq: 06 Feb 2020 11:53

Tgt Ion: 128 Resp: 9300

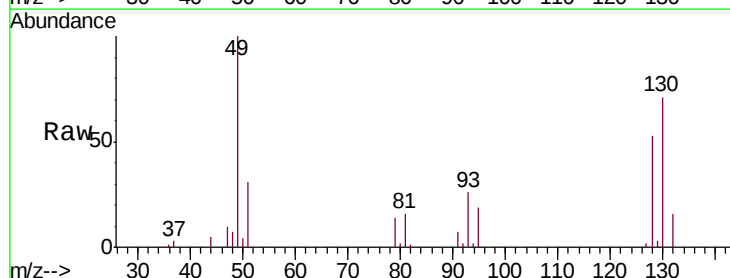
Ion Ratio Lower Upper

128 100

49 188.1 127.3 236.5

130 132.8 88.5 164.3

51 58.1 44.4 66.6

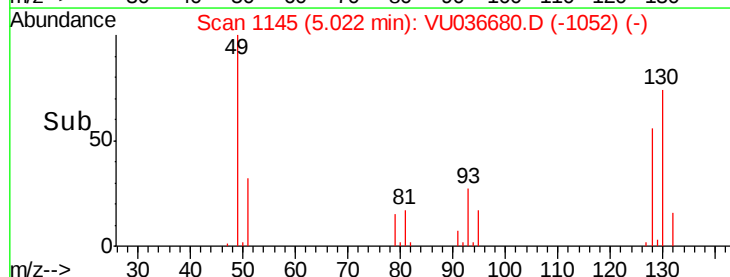
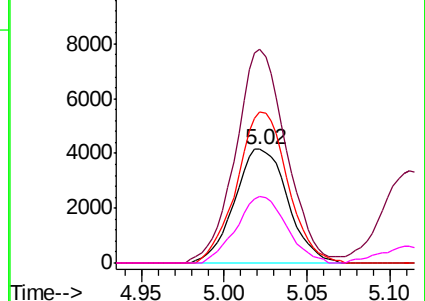


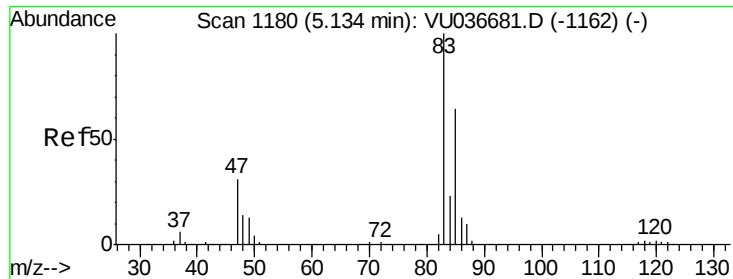
Abundance Ion 128.00 (127.70 to 128.70): VU036680.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU036680.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU036680.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU036680.D (-1052) (-)

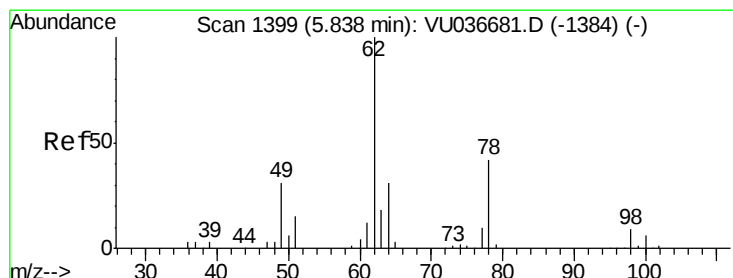
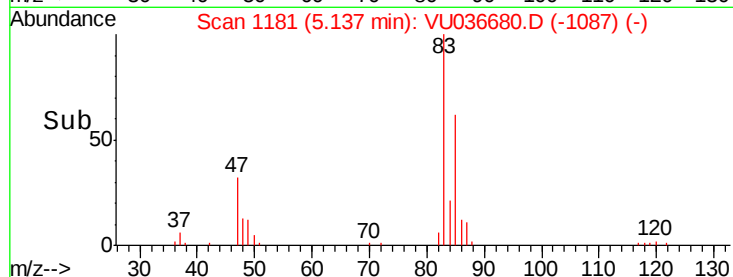
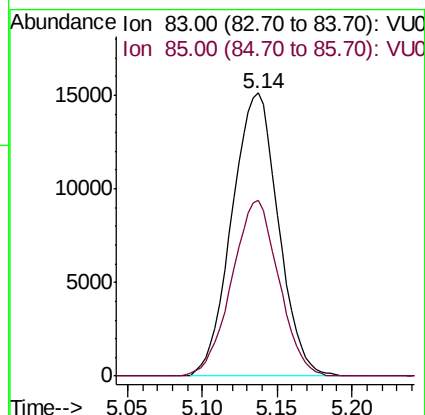
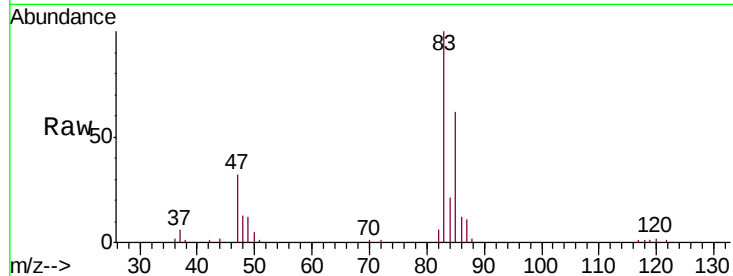




#25
Chloroform
Concen: 8.313 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036680.D
Acq: 06 Feb 2020 11:53

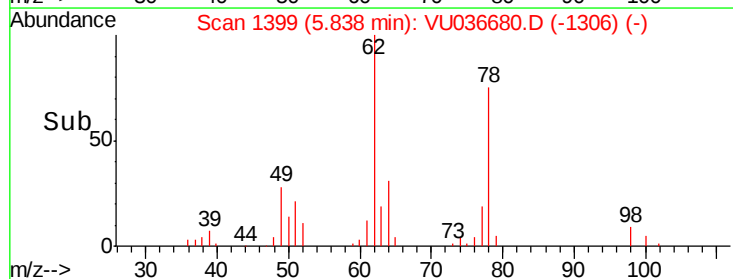
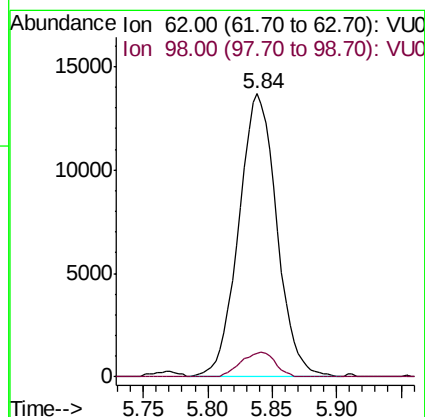
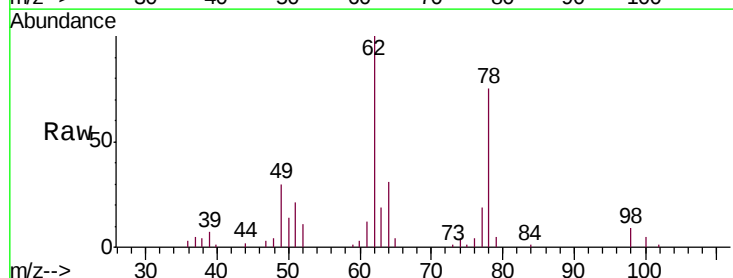
Instrument :
MSVOA_U
ClientSampleId :
VSTD010102

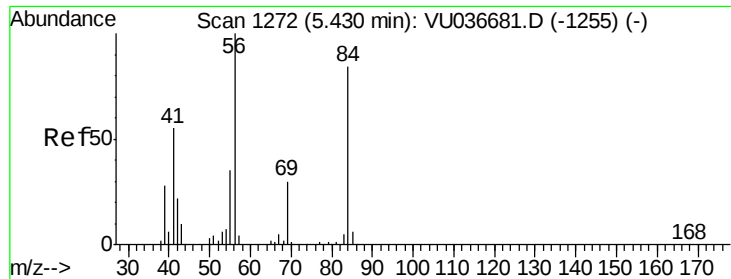
Tgt Ion: 83 Resp: 32711
Ion Ratio Lower Upper
83 100
85 62.1 44.6 82.8



#27
1,2-Dichloroethane
Concen: 9.152 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036680.D
Acq: 06 Feb 2020 11:53

Tgt Ion: 62 Resp: 28156
Ion Ratio Lower Upper
62 100
98 8.5 7.0 10.4

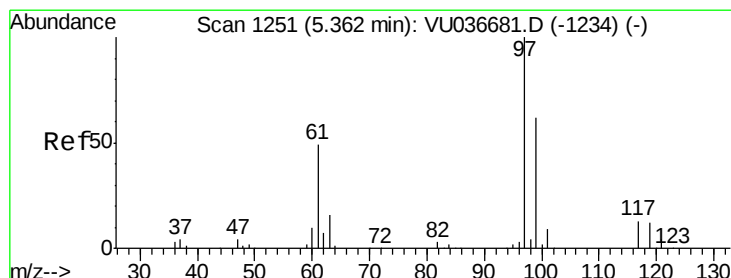
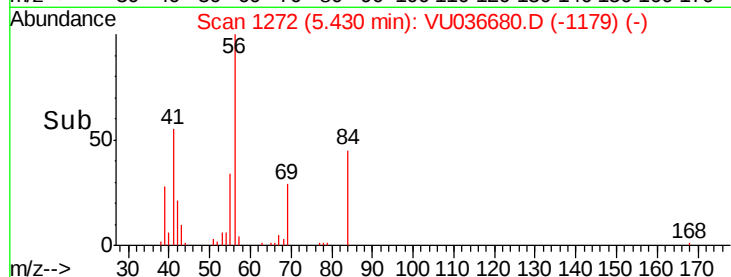
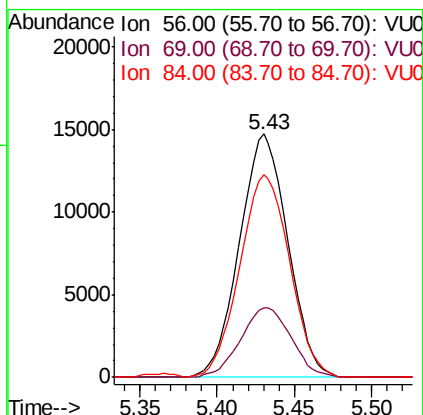
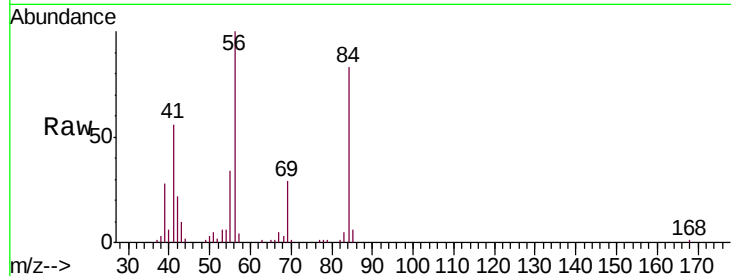




#29
Cyclohexane
Concen: 11.106 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU036680.D
Acq: 06 Feb 2020 11:53

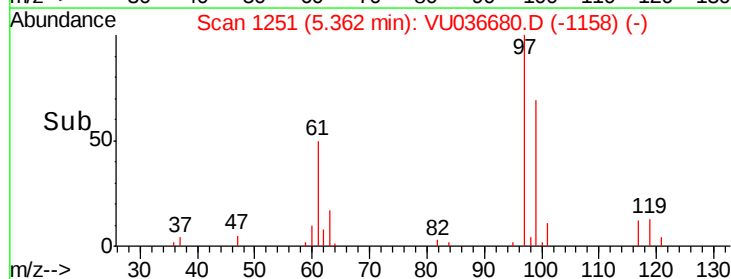
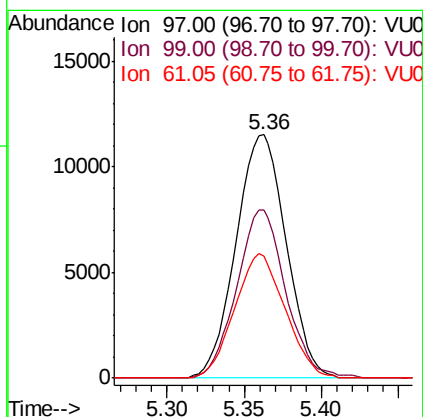
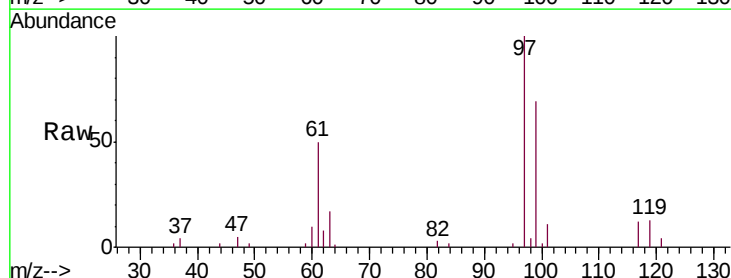
Instrument :
MSVOA_U
ClientSampleId :
VSTD010102

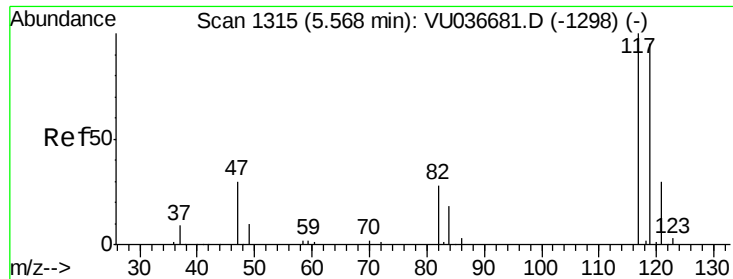
Tgt Ion: 56 Resp: 32030
Ion Ratio Lower Upper
56 100
69 29.8 25.0 37.4
84 85.8 68.2 102.2



#30
1,1,1-Trichloroethane
Concen: 8.471 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU036680.D
Acq: 06 Feb 2020 11:53

Tgt Ion: 97 Resp: 26027
Ion Ratio Lower Upper
97 100
99 67.5 50.9 76.3
61 51.4 40.2 60.2





#31

Carbon tetrachloride

Concen: 7.583 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU036680.D

Acq: 06 Feb 2020 11:53

Instrument :

MSVOA_U

ClientSampleId :

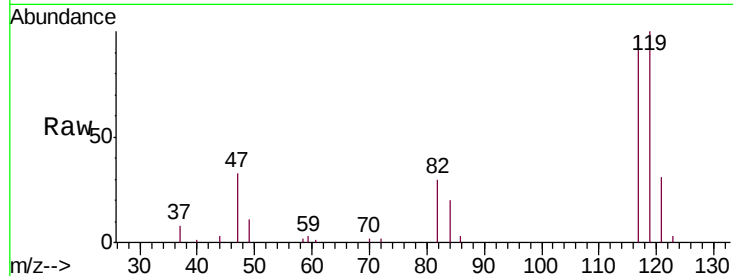
VSTD010102

Tgt Ion:117 Resp: 20362

Ion Ratio Lower Upper

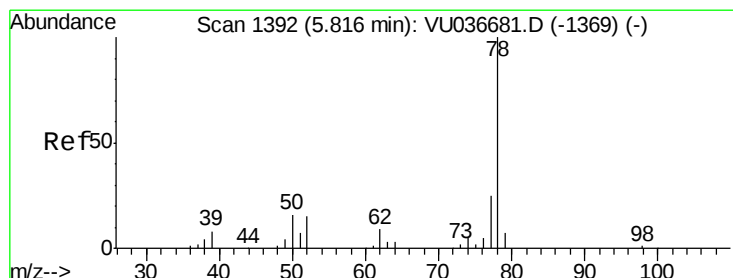
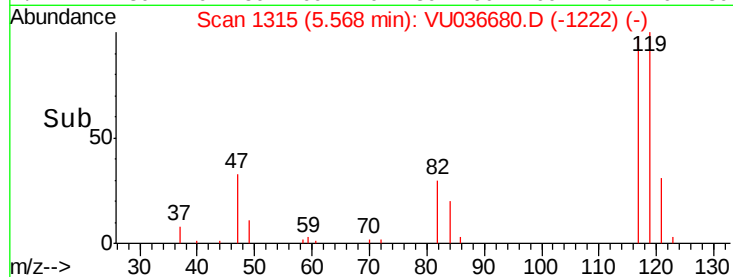
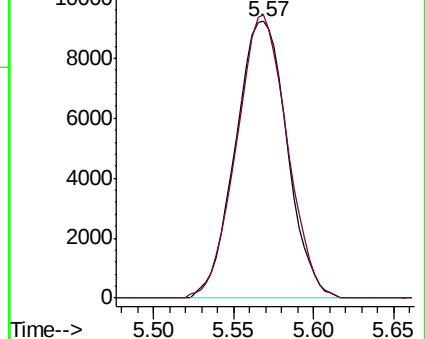
117 100

119 100.5 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 9.564 ug/L

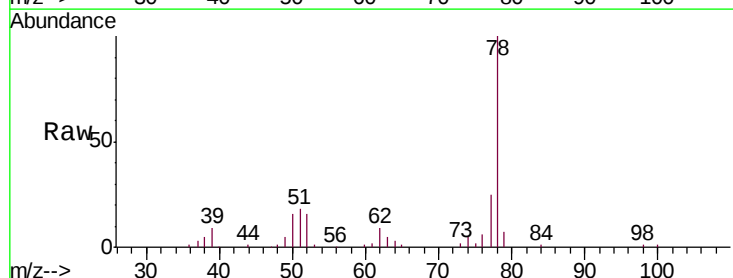
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

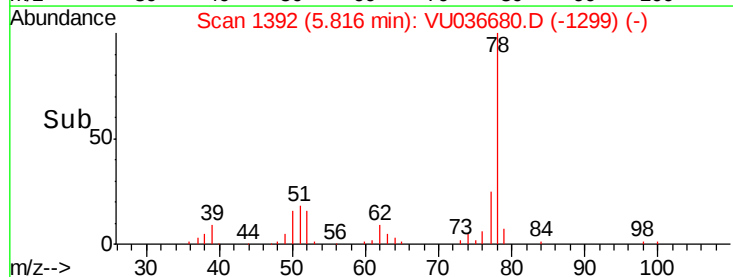
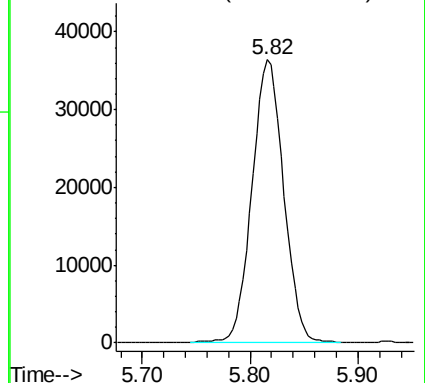
Lab File: VU036680.D

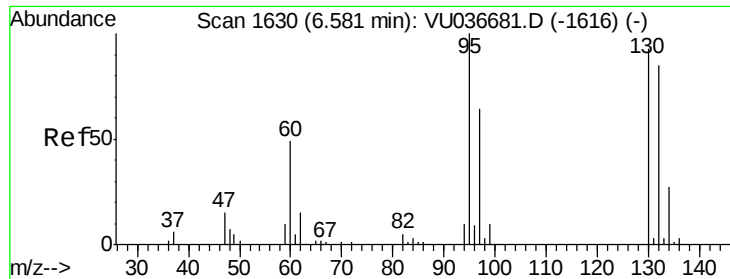
Acq: 06 Feb 2020 11:53

Tgt Ion: 78 Resp: 74530



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 9.157 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU036680.D

Acq: 06 Feb 2020 11:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD010102

Tgt Ion: 95 Resp: 18739

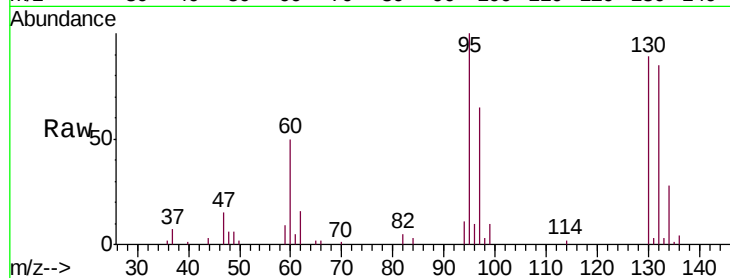
Ion Ratio Lower Upper

95 100

97 64.5 44.5 82.7

132 85.3 59.6 110.8

130 89.4 65.0 120.8

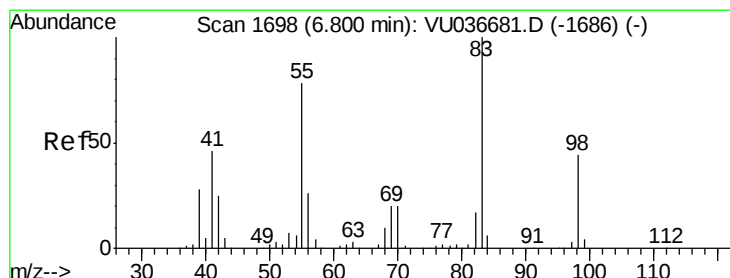
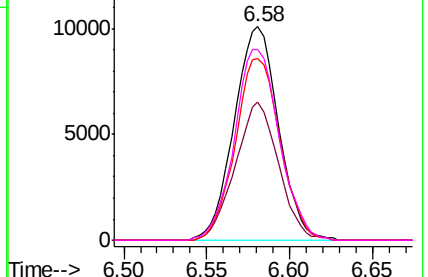
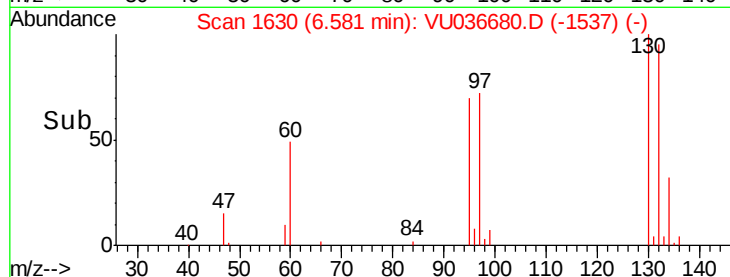


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 10.472 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU036680.D

Acq: 06 Feb 2020 11:53

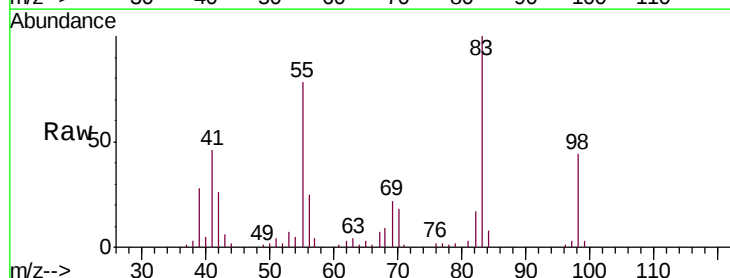
Tgt Ion: 83 Resp: 32005

Ion Ratio Lower Upper

83 100

55 80.1 61.2 91.8

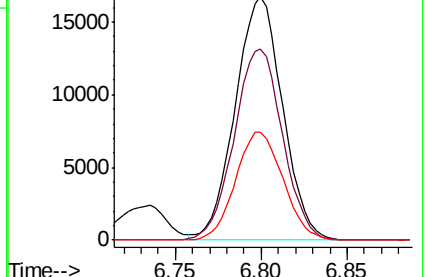
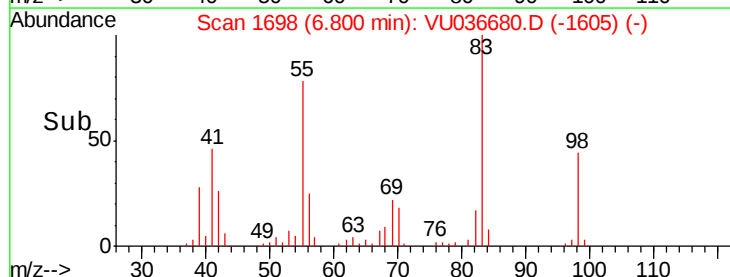
98 44.4 35.4 53.0

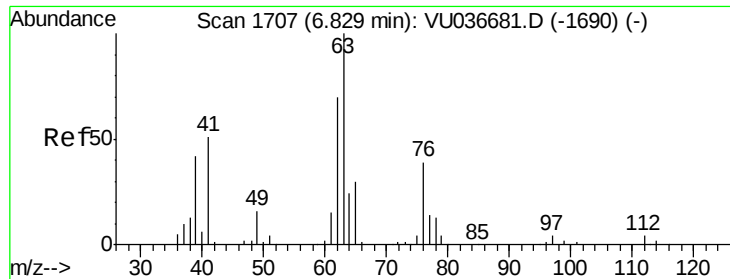


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

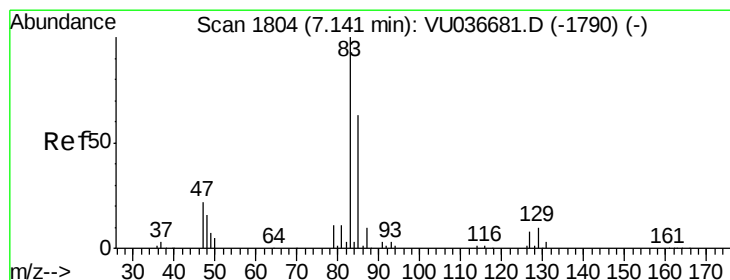
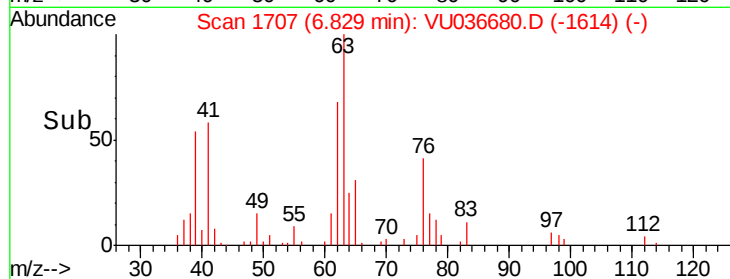
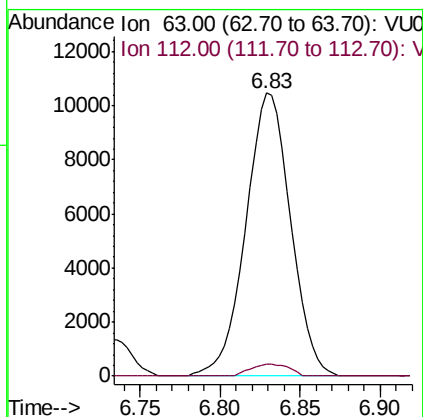
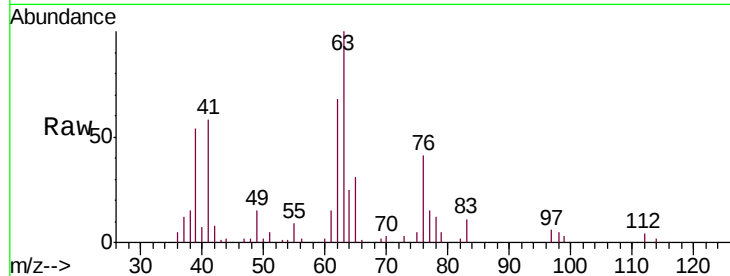




#37
 1,2-Dichloropropane
 Concen: 9.468 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036680.D
 Acq: 06 Feb 2020 11:53

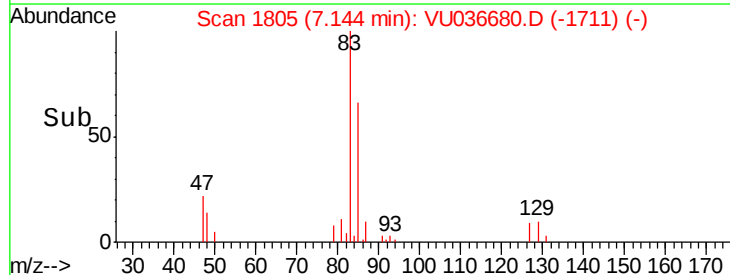
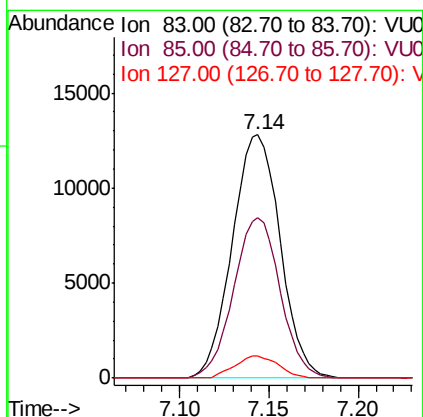
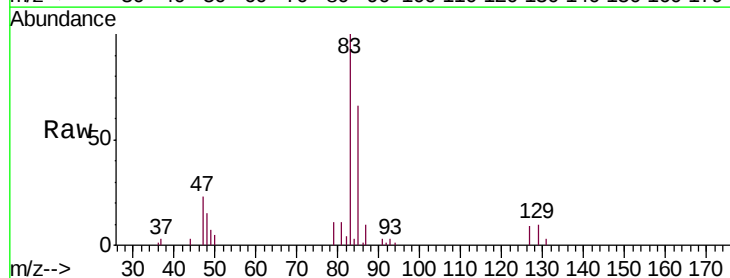
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010102

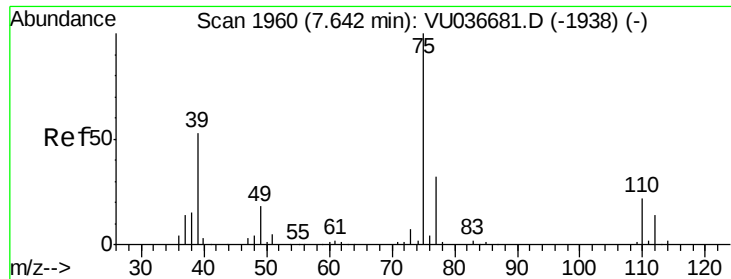
Tgt Ion: 63 Resp: 20128
 Ion Ratio Lower Upper
 63 100
 112 2.5 3.1 4.7#



#38
 Bromodichloromethane
 Concen: 8.818 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU036680.D
 Acq: 06 Feb 2020 11:53

Tgt Ion: 83 Resp: 23970
 Ion Ratio Lower Upper
 83 100
 85 65.7 43.9 81.5
 127 8.9 6.0 9.0

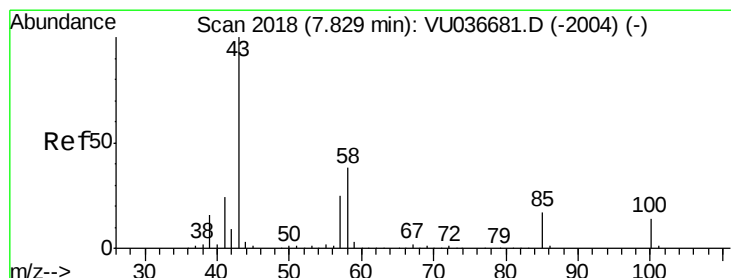
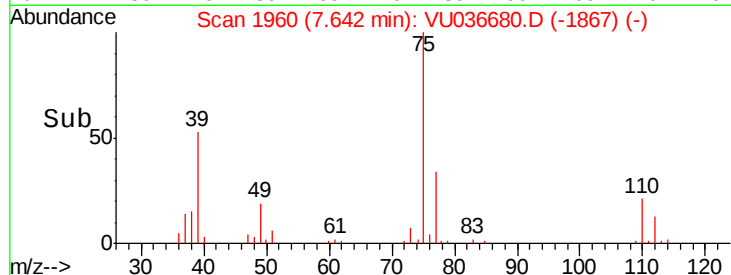
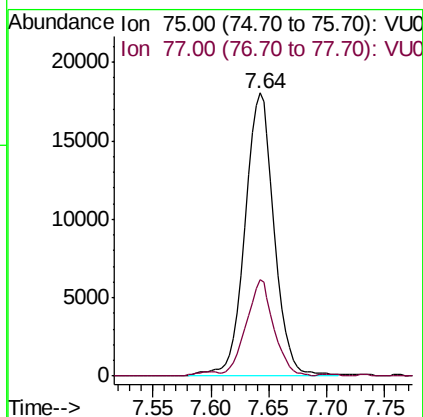
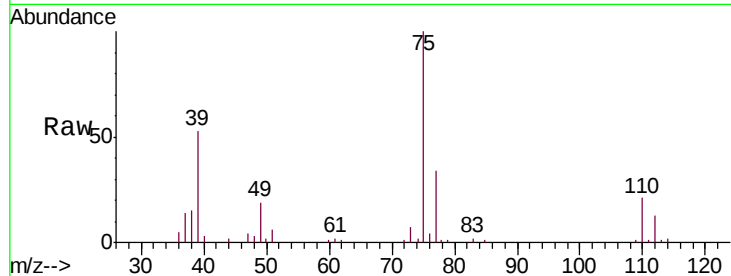




#39
 cis-1,3-Dichloropropene
 Concen: 10.048 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU036680.D
 Acq: 06 Feb 2020 11:53

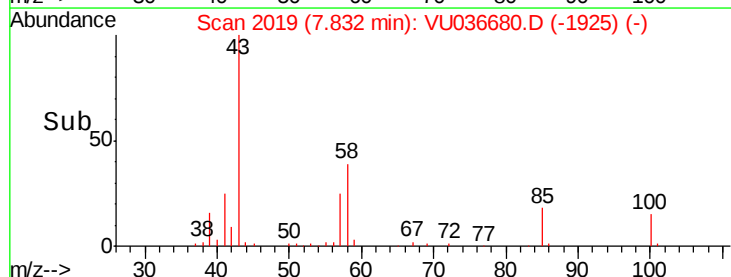
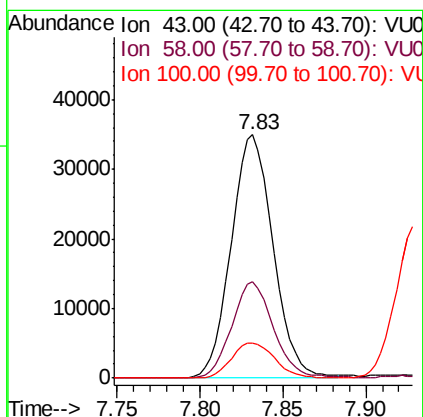
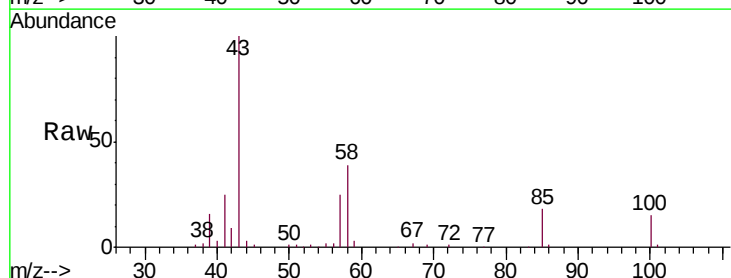
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010102

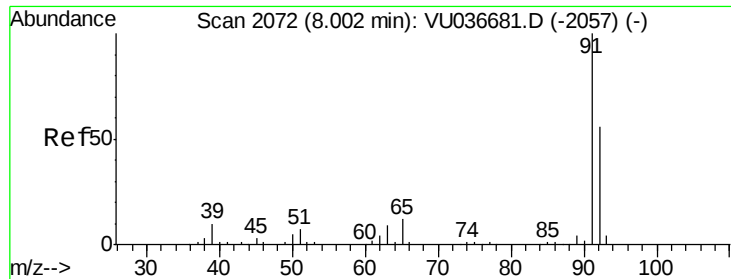
Tgt Ion: 75 Resp: 31835
 Ion Ratio Lower Upper
 75 100
 77 34.2 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 22.118 ug/L
 RT: 7.83 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: VU036680.D
 Acq: 06 Feb 2020 11:53

Tgt Ion: 43 Resp: 61610
 Ion Ratio Lower Upper
 43 100
 58 39.0 31.0 46.6
 100 14.8 11.4 17.2





#42

Toluene

Concen: 9.759 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036680.D

Acq: 06 Feb 2020 11:53

Instrument :

MSVOA_U

ClientSampleId :

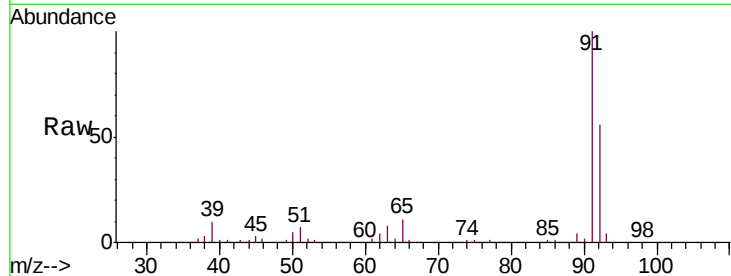
VSTD010102

Tgt Ion: 91 Resp: 80261

Ion Ratio Lower Upper

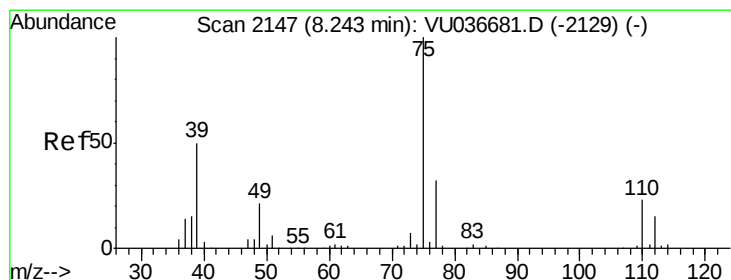
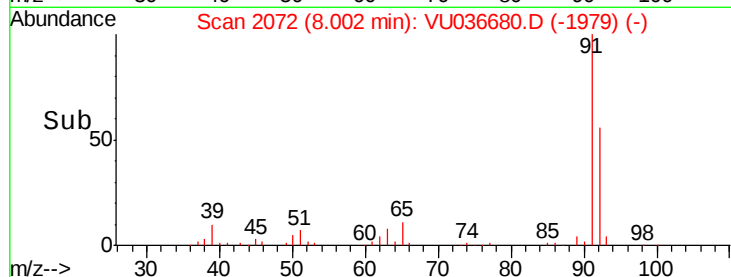
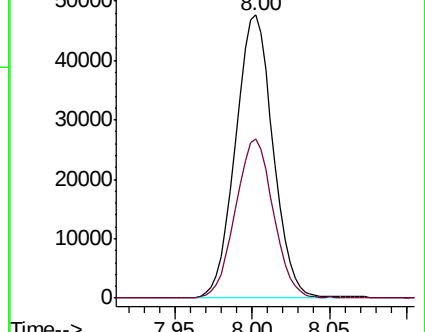
91 100

92 56.1 39.5 73.3



Abundance Ion 91.00 (90.70 to 91.70): VU036680.D (-1979) (-)

Ion 92.00 (91.70 to 92.70): VU036680.D (-1979) (-)



#44

trans-1,3-Dichloropropene

Concen: 9.380 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036680.D

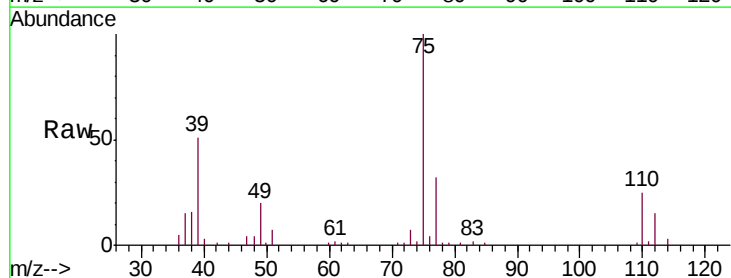
Acq: 06 Feb 2020 11:53

Tgt Ion: 75 Resp: 26968

Ion Ratio Lower Upper

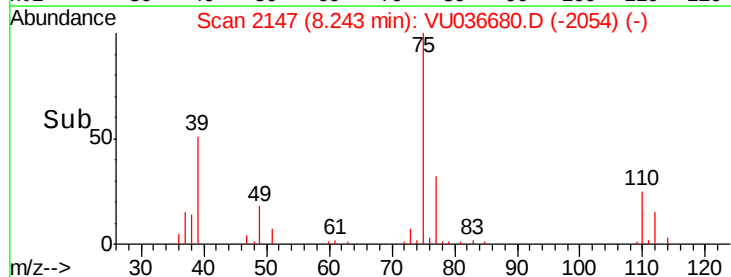
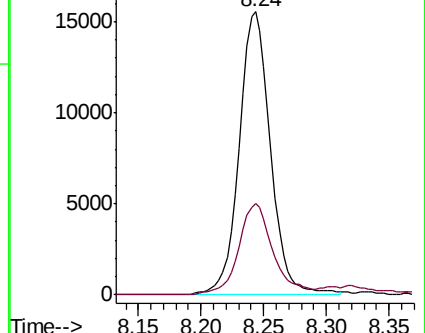
75 100

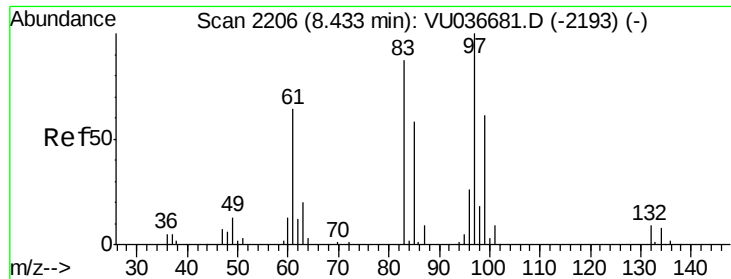
77 32.3 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VU036680.D (-2054) (-)

Ion 77.00 (76.70 to 77.70): VU036680.D (-2054) (-)

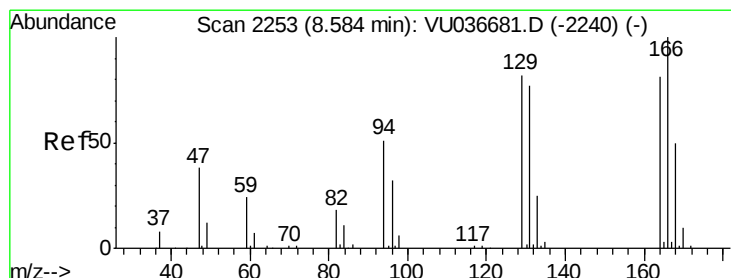
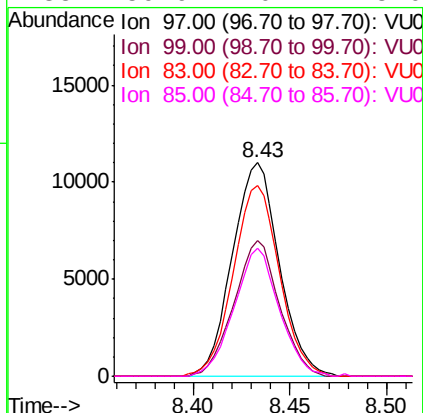
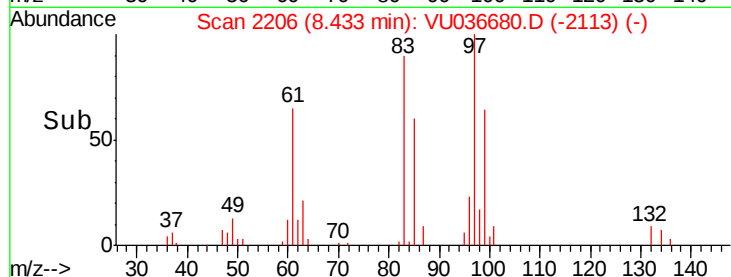
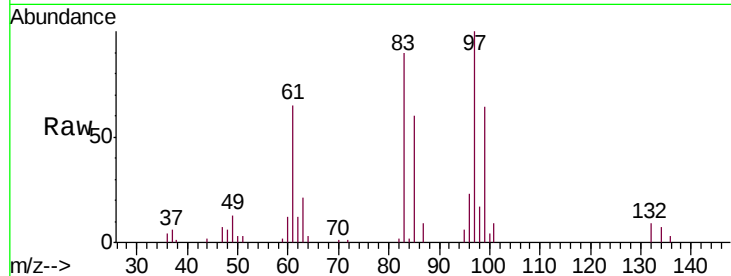




#45
 1,1,2-Trichloroethane
 Concen: 9.267 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: VU036680.D
 Acq: 06 Feb 2020 11:53

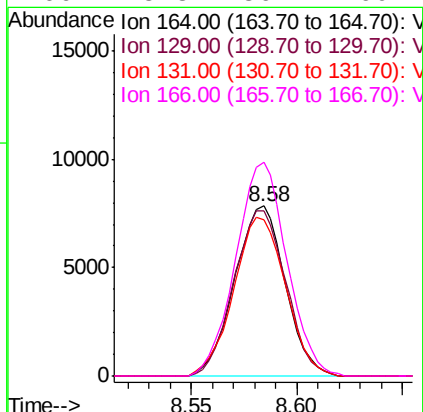
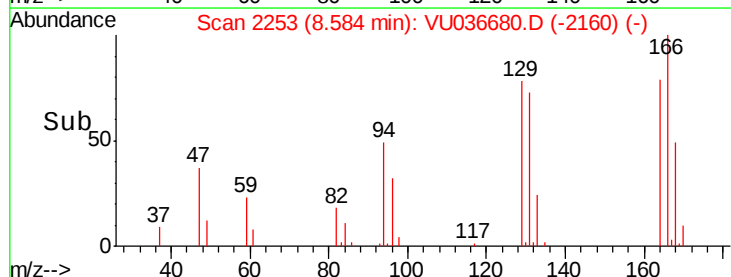
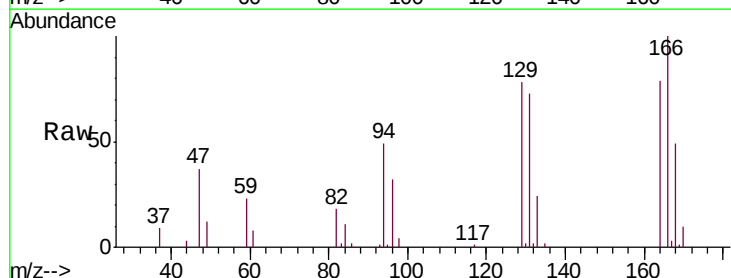
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010102

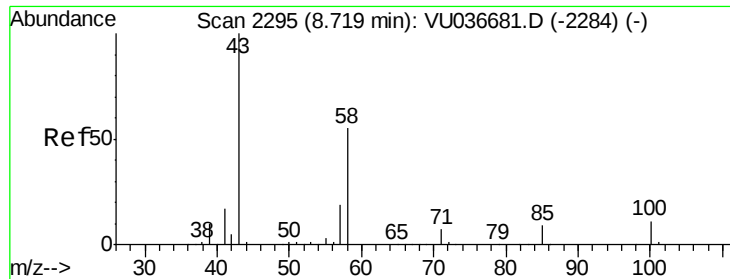
Tgt Ion:	97	Resp:	18530
Ion	Ratio	Lower	Upper
97	100		
99	63.6	42.6	79.0
83	89.5	61.1	113.5
85	59.9	40.4	75.0



#46
 Tetrachloroethene
 Concen: 8.369 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU036680.D
 Acq: 06 Feb 2020 11:53

Tgt Ion:	164	Resp:	13071
Ion	Ratio	Lower	Upper
164	100		
129	97.5	71.0	131.9
131	91.9	66.6	123.6
166	125.8	86.4	160.4

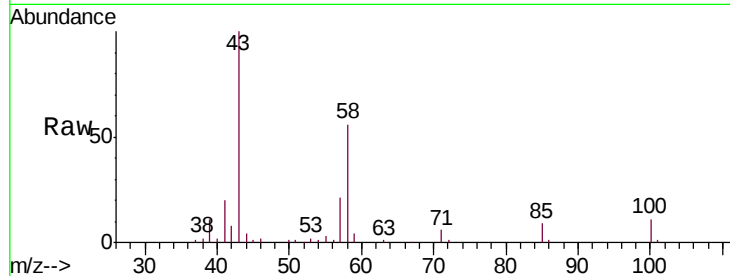




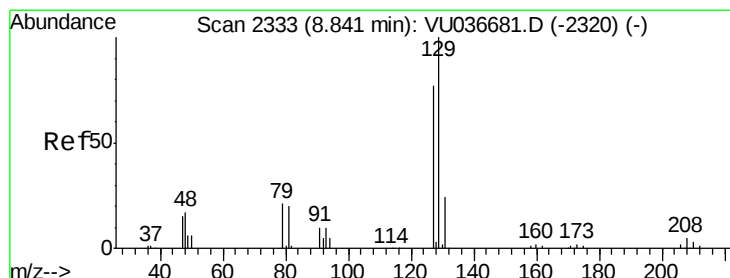
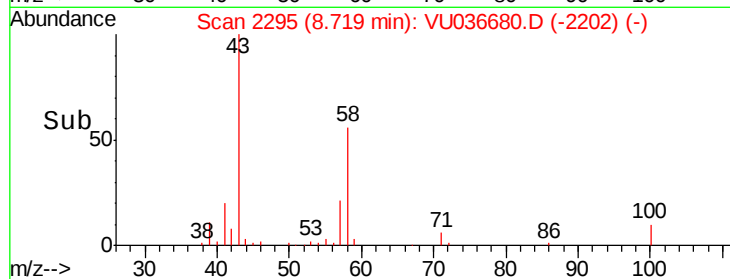
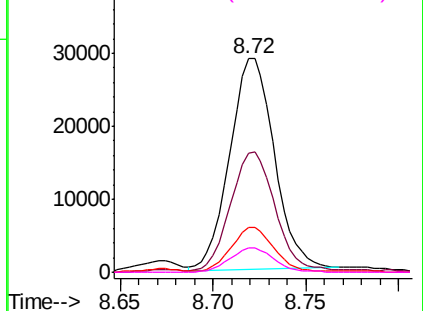
#48
2-Hexanone
Concen: 22.456 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU036680.D
Acq: 06 Feb 2020 11:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD010102

Tgt Ion:	43	Resp:	48169
Ion	Ratio	Lower	Upper
43	100		
58	56.5	43.6	65.4
57	21.2	15.5	23.3
100	11.4	9.0	13.4

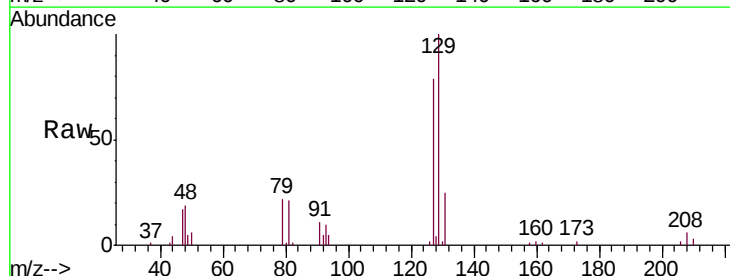


Abundance Ion 43.00 (42.70 to 43.70): VU036680.D (-2295) (-)

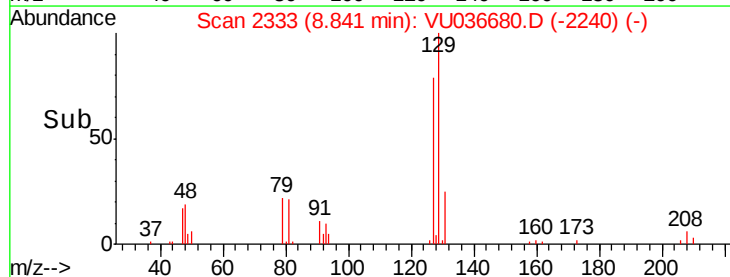
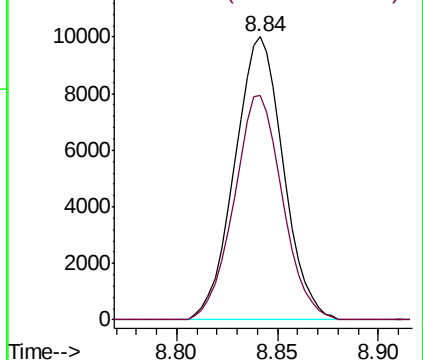


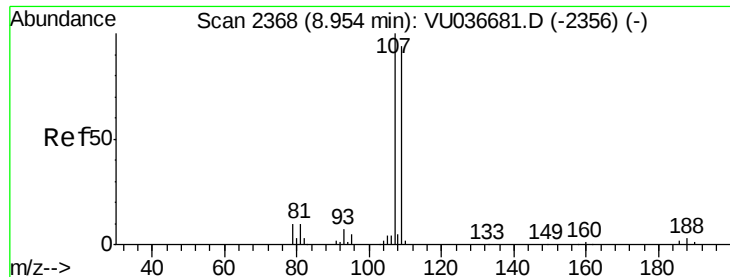
#49
Dibromochloromethane
Concen: 7.758 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU036680.D
Acq: 06 Feb 2020 11:53

Tgt Ion:	129	Resp:	16895
Ion	Ratio	Lower	Upper
129	100		
127	79.4	53.6	99.6



Abundance Ion 129.00 (128.70 to 129.70): VU036680.D (-2333) (-)

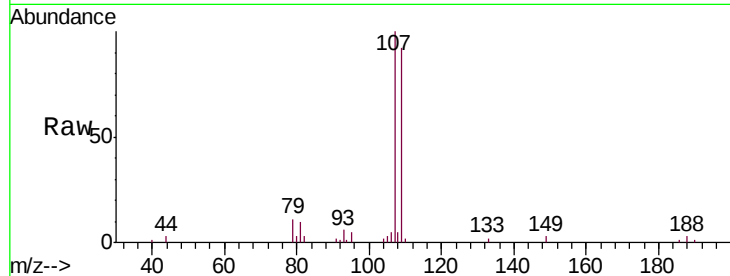




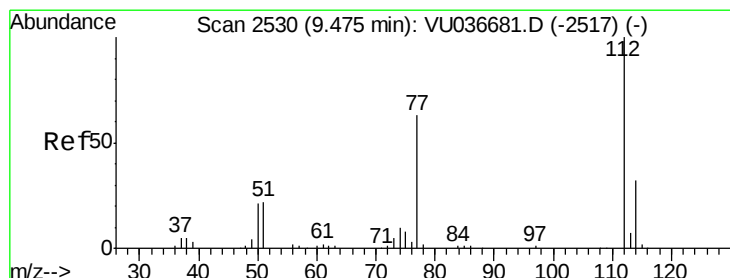
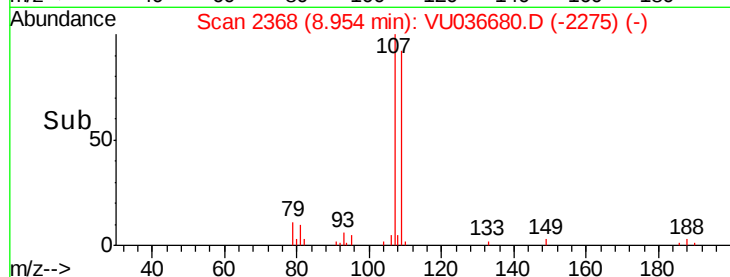
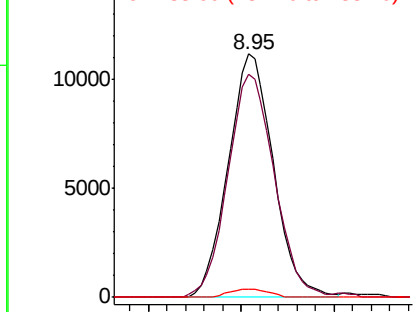
#50
1,2-Dibromoethane
Concen: 9.074 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VU036680.D
Acq: 06 Feb 2020 11:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD010102

Tgt Ion:107 Resp: 18927
Ion Ratio Lower Upper
107 100
109 91.6 65.8 122.2
188 3.2 2.5 3.7

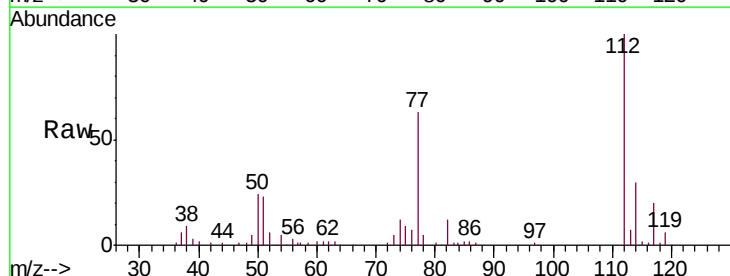


Abundance Ion 107.00 (106.70 to 107.70): V
15000 Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

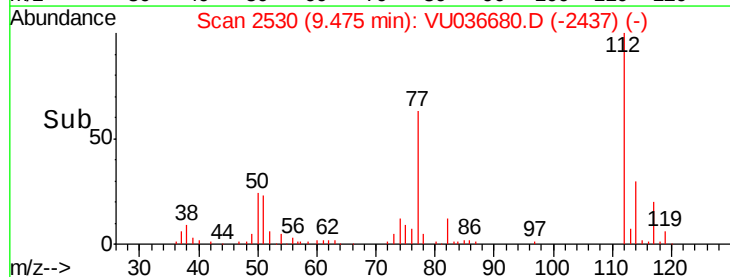
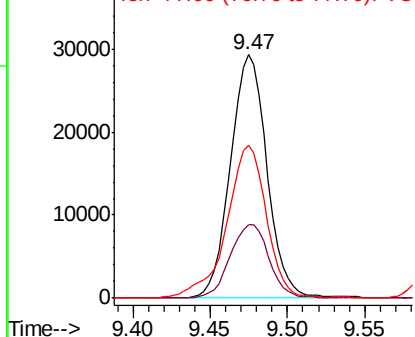


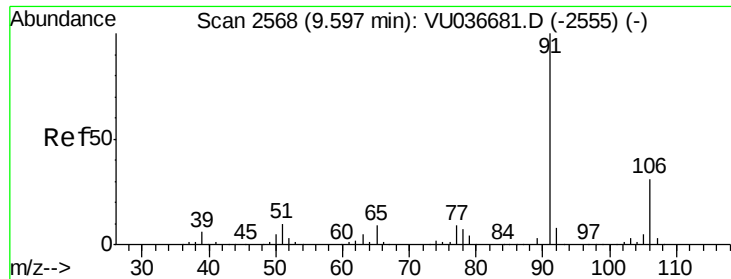
#51
Chlorobenzene
Concen: 9.074 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036680.D
Acq: 06 Feb 2020 11:53

Tgt Ion:112 Resp: 48092
Ion Ratio Lower Upper
112 100
114 30.1 22.7 42.1
77 62.8 50.6 75.8



Abundance Ion 112.00 (111.70 to 112.70): V
40000 Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 9.928 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036680.D

Acq: 06 Feb 2020 11:53

Instrument :

MSVOA_U

ClientSampleId :

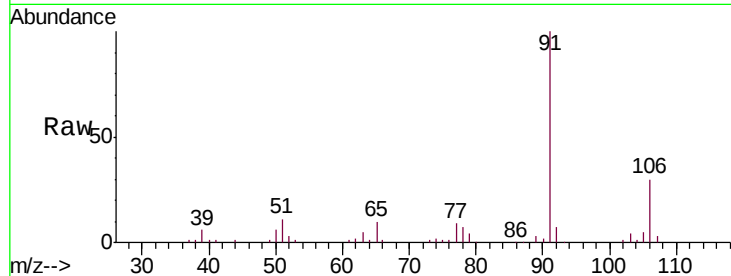
VSTD010102

Tgt Ion: 91 Resp: 86610

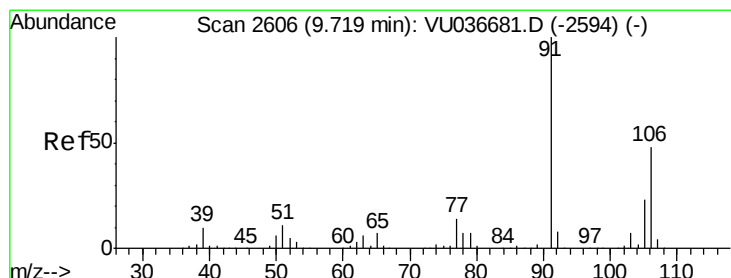
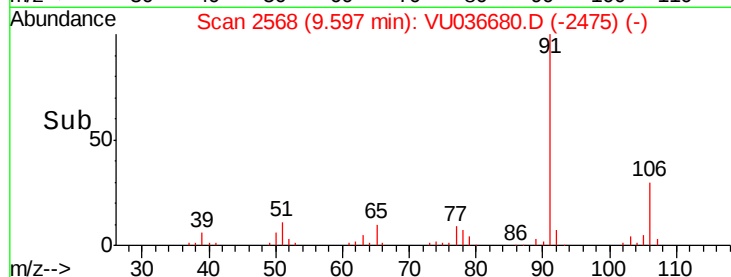
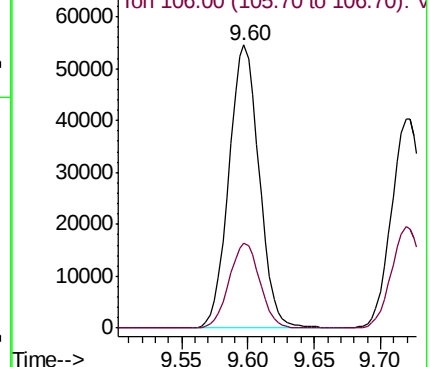
Ion Ratio Lower Upper

91 100

106 29.9 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VU036680.D (-2555) (-)



#53

m,p-Xylene

Concen: 9.908 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036680.D

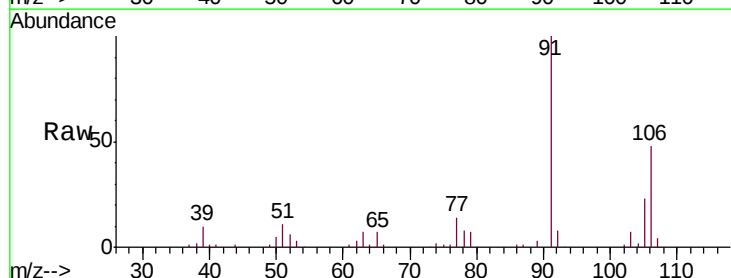
Acq: 06 Feb 2020 11:53

Tgt Ion: 106 Resp: 32098

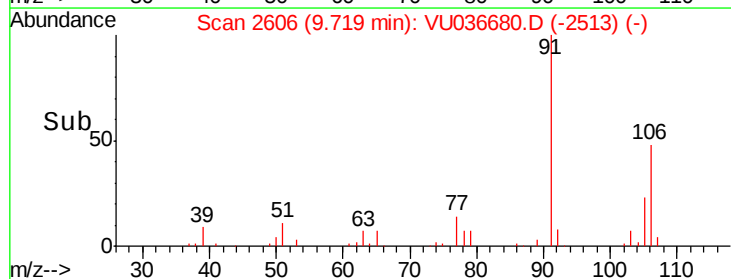
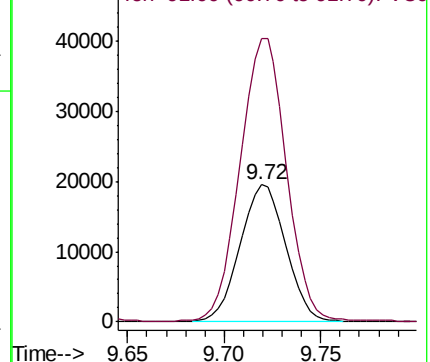
Ion Ratio Lower Upper

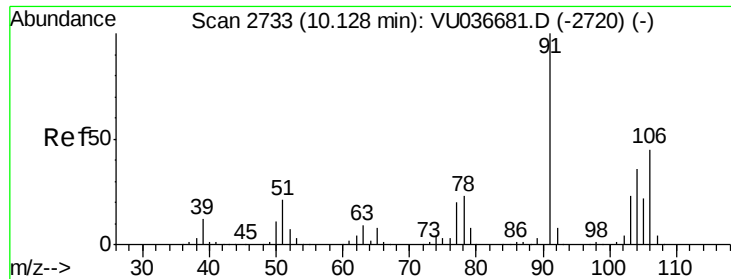
106 100

91 206.8 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VU036680.D (-2594) (-)





#54

o-xylene

Concen: 9.913 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU036680.D

Acq: 06 Feb 2020 11:53

Instrument :

MSVOA_U

ClientSampleId :

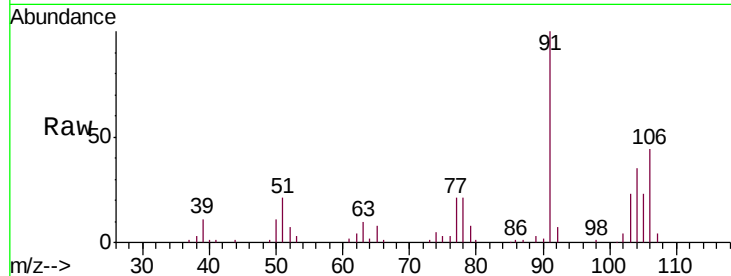
VSTD010102

Tgt Ion:106 Resp: 31621

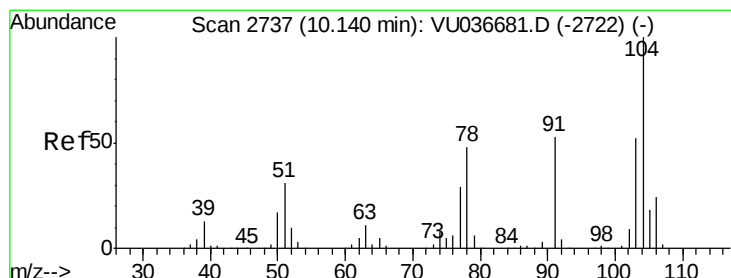
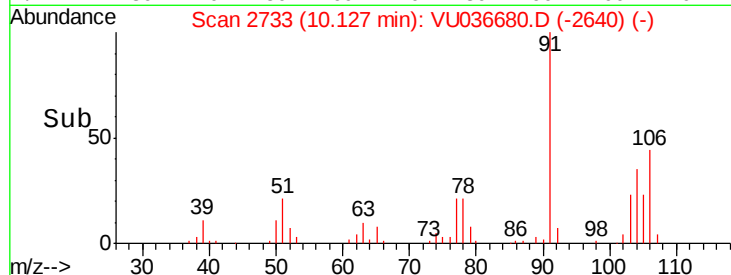
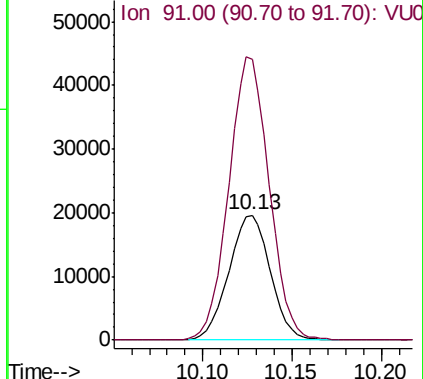
Ion Ratio Lower Upper

106 100

91 225.0 156.0 289.6



Abundance Ion 106.00 (105.70 to 106.70): V



#55

Styrene

Concen: 9.503 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. -0.00 min

Lab File: VU036680.D

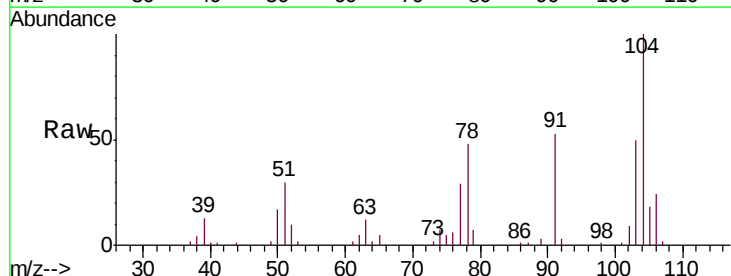
Acq: 06 Feb 2020 11:53

Tgt Ion:104 Resp: 51193

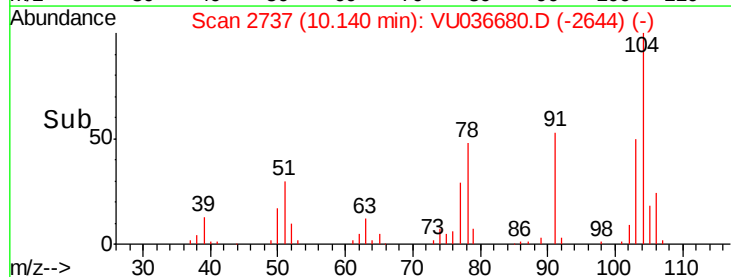
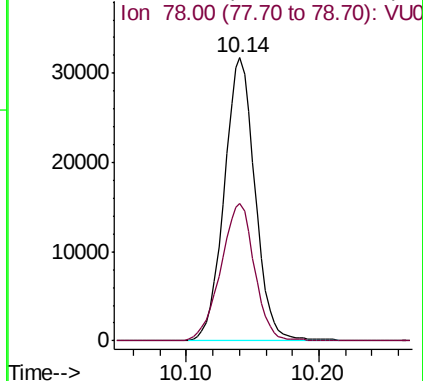
Ion Ratio Lower Upper

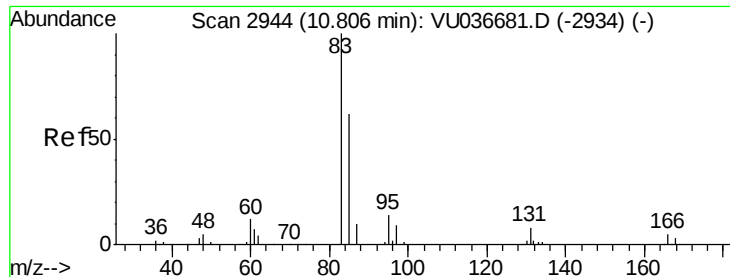
104 100

78 48.4 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

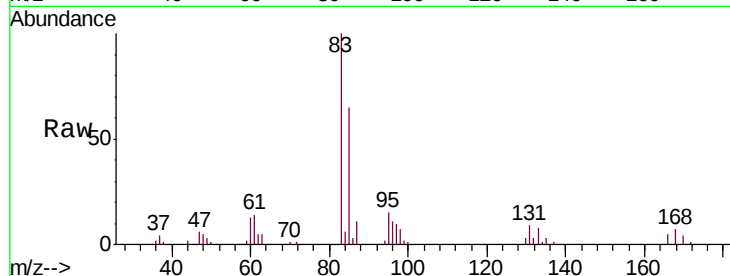




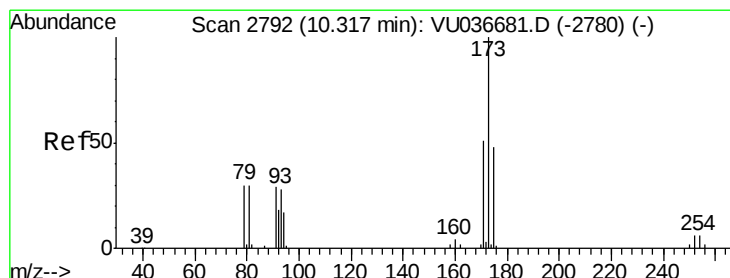
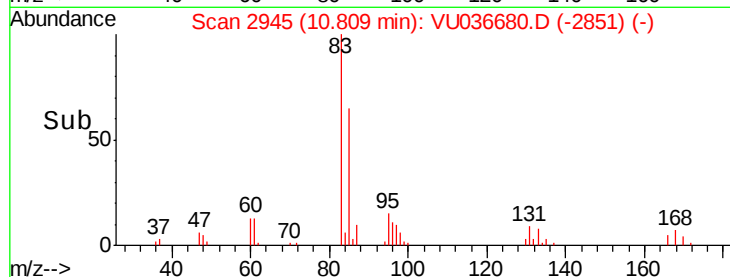
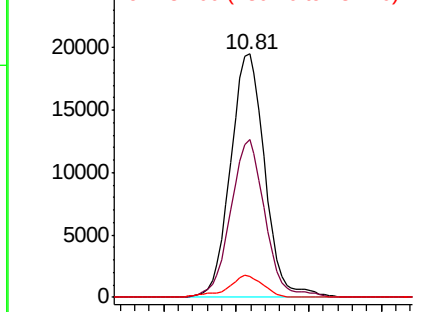
#57
 1,1,2,2-Tetrachloroethane
 Concen: 9.438 ug/L
 RT: 10.81 min Scan# 2945
 Delta R.T. 0.00 min
 Lab File: VU036680.D
 Acq: 06 Feb 2020 11:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010102

Tgt Ion: 83 Resp: 32033
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.7 82.9
 131 8.7 6.8 10.2

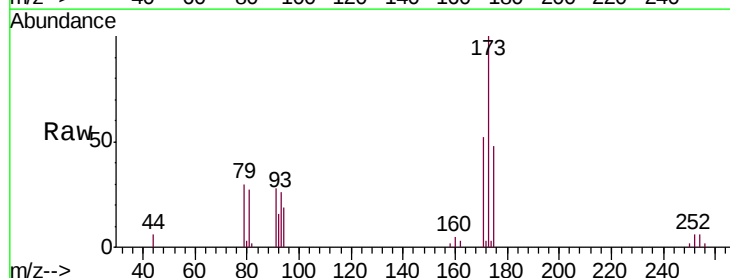


Abundance Ion 83.00 (82.70 to 83.70): VU036680.D (-2945) (-)
 Ion 85.00 (84.70 to 85.70): VU036680.D (-2945) (-)
 Ion 131.00 (130.70 to 131.70): VU036680.D (-2945) (-)

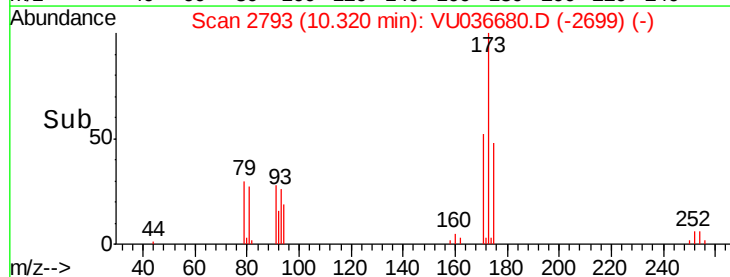
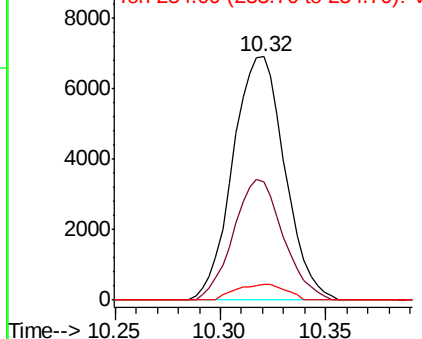


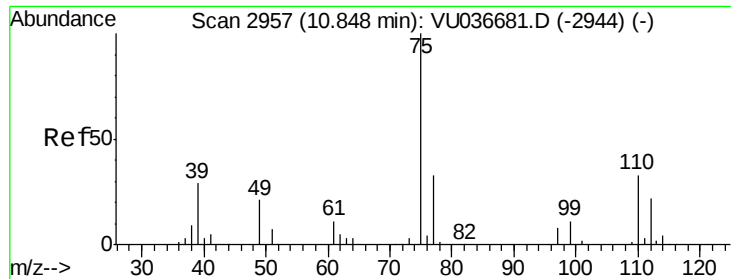
#59
 Bromoform
 Concen: 8.204 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VU036680.D
 Acq: 06 Feb 2020 11:53

Tgt Ion: 173 Resp: 11820
 Ion Ratio Lower Upper
 173 100
 175 47.7 38.2 57.4
 254 6.1 4.8 7.2



Abundance Ion 173.00 (172.70 to 173.70): VU036680.D (-2793) (-)
 Ion 175.00 (174.70 to 175.70): VU036680.D (-2793) (-)
 Ion 254.00 (253.70 to 254.70): VU036680.D (-2793) (-)

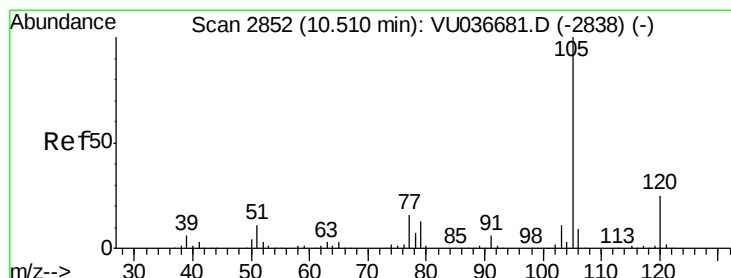
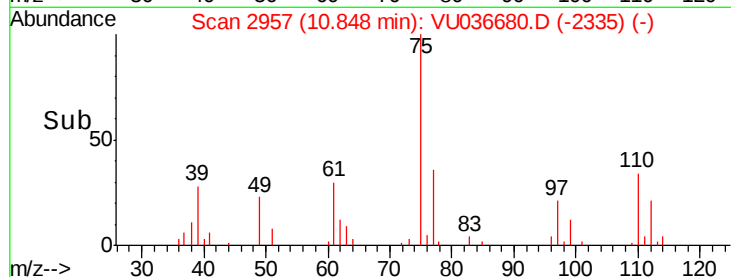
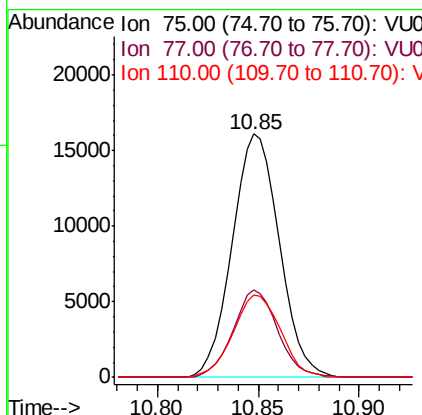
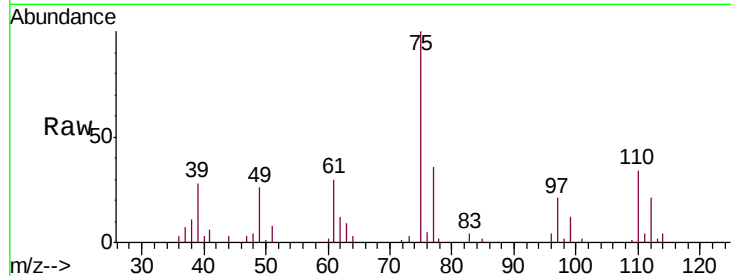




#60
 1,2,3-Trichloropropane
 Concen: 10.966 ug/L
 RT: 10.85 min Scan# 2957
 Delta R.T. -0.00 min
 Lab File: VU036680.D
 Acq: 06 Feb 2020 11:53

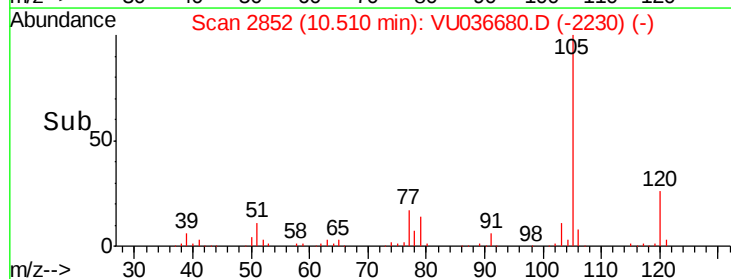
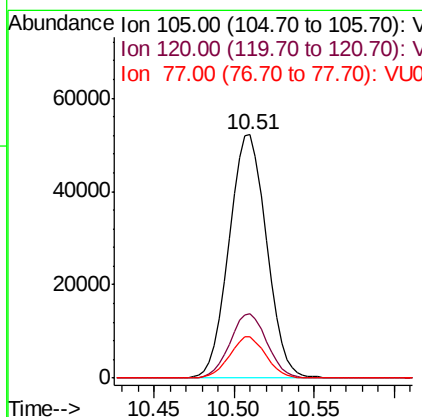
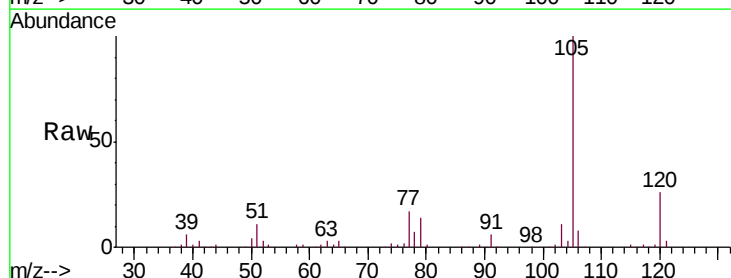
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010102

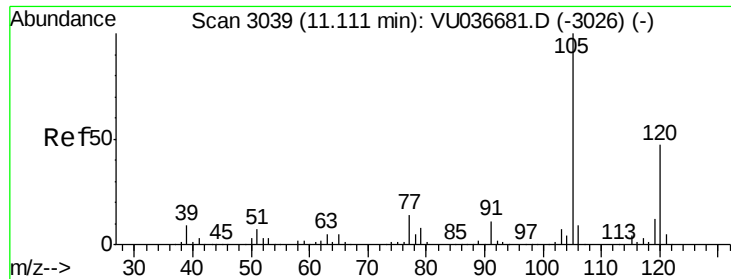
Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.1	26.1	39.1
110	34.2	26.9	40.3



#61
 Isopropylbenzene
 Concen: 11.343 ug/L
 RT: 10.51 min Scan# 2852
 Delta R.T. -0.00 min
 Lab File: VU036680.D
 Acq: 06 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.2	30.4
77	16.2	13.0	19.6





#62

1,3,5-Trimethylbenzene

Concen: 11.595 ug/L

RT: 11.11 min Scan# 3039

Delta R.T. -0.00 min

Lab File: VU036680.D

Acq: 06 Feb 2020 11:53

Instrument :

MSVOA_U

ClientSampleId :

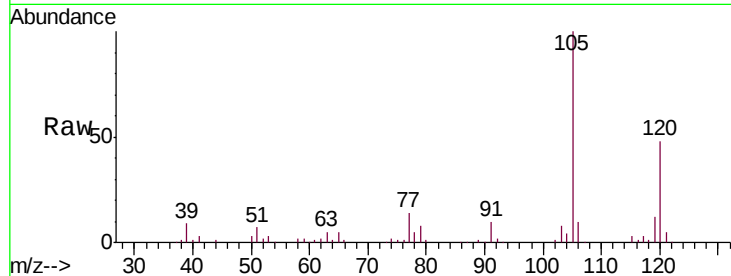
VSTD010102

Tgt Ion:105 Resp: 69798

Ion Ratio Lower Upper

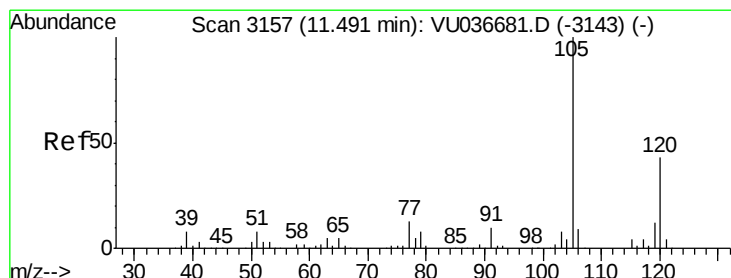
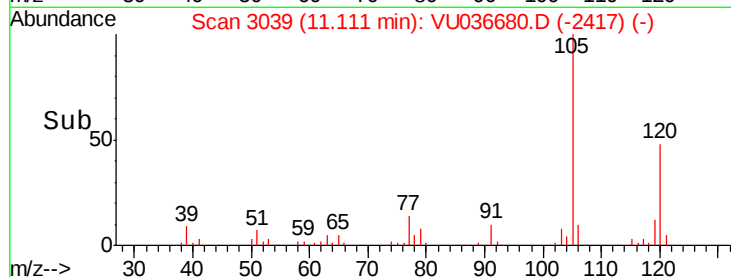
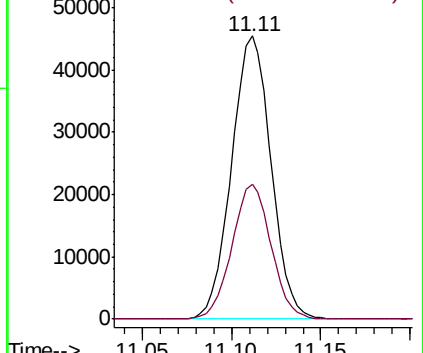
105 100

120 47.1 37.1 55.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 11.591 ug/L

RT: 11.49 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU036680.D

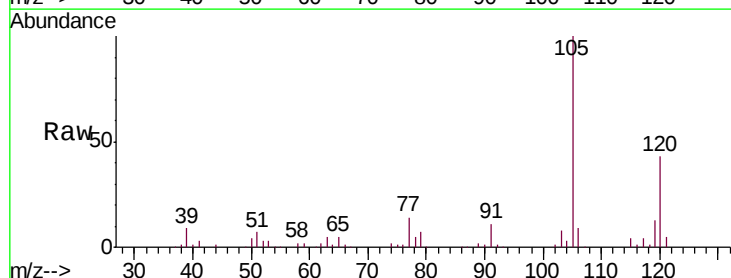
Acq: 06 Feb 2020 11:53

Tgt Ion:105 Resp: 69095

Ion Ratio Lower Upper

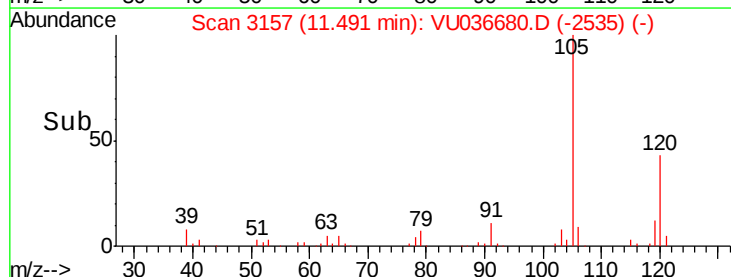
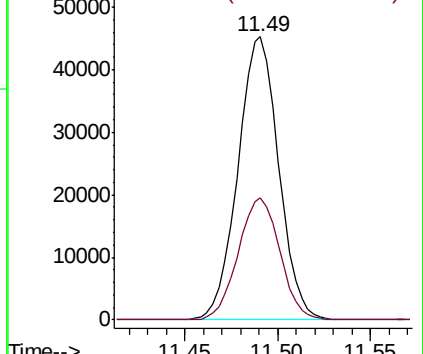
105 100

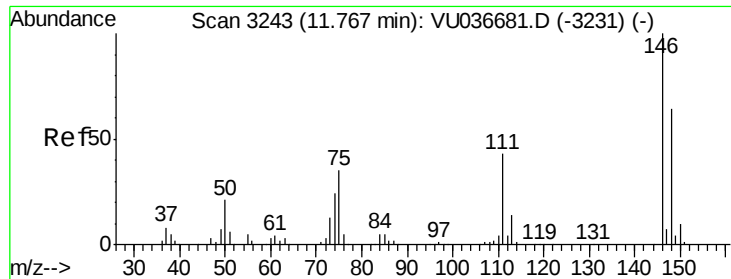
120 44.2 34.7 52.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

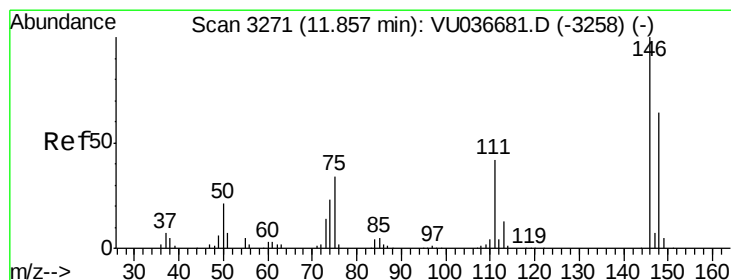
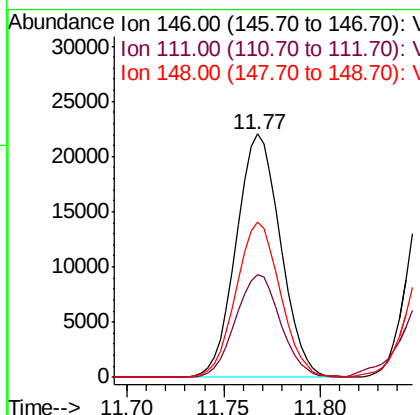
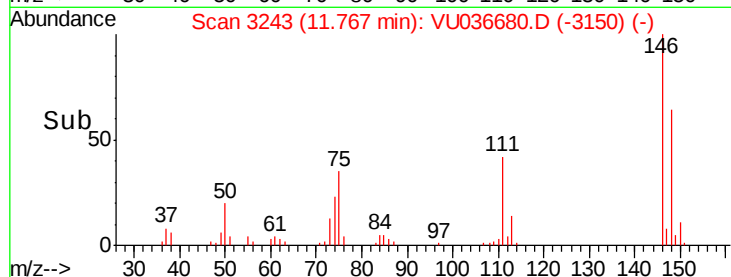
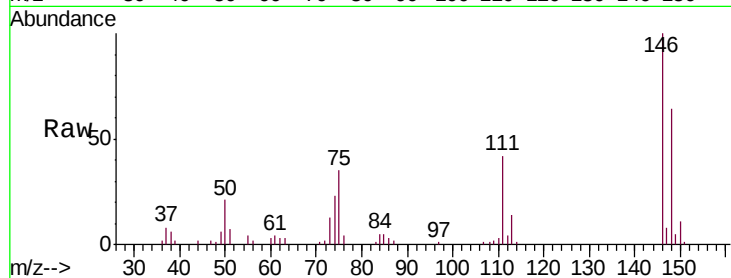




#64
 1,3-Dichlorobenzene
 Concen: 9.859 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. -0.00 min
 Lab File: VU036680.D
 Acq: 06 Feb 2020 11:53

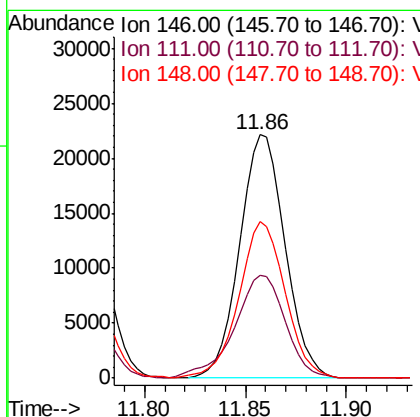
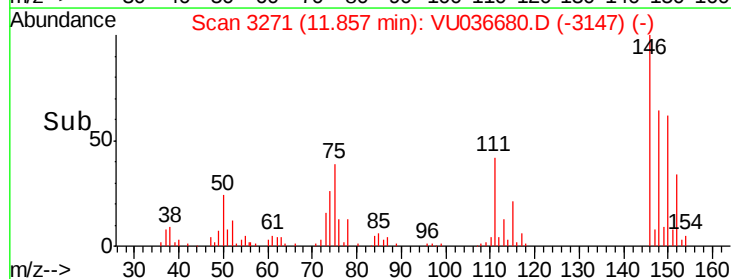
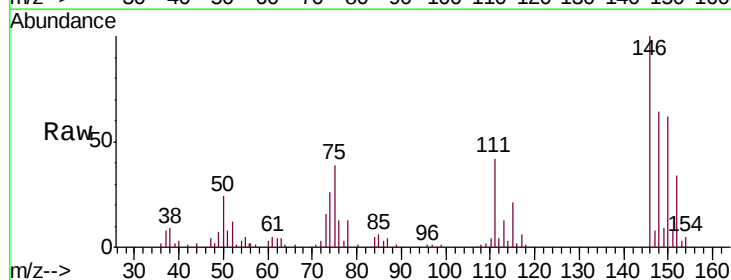
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010102

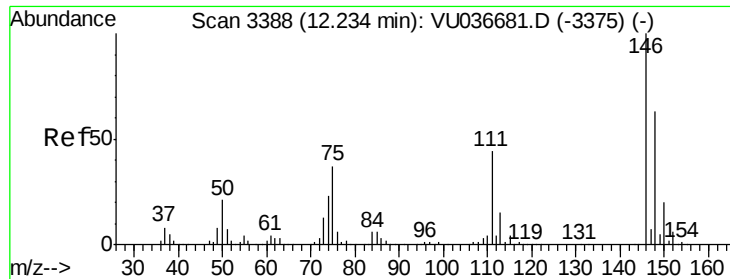
Tgt Ion:146 Resp: 35151
 Ion Ratio Lower Upper
 146 100
 111 42.3 30.4 56.4
 148 63.6 44.5 82.7



#65
 1,4-Dichlorobenzene
 Concen: 9.590 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. -0.00 min
 Lab File: VU036680.D
 Acq: 06 Feb 2020 11:53

Tgt Ion:146 Resp: 34953
 Ion Ratio Lower Upper
 146 100
 111 42.4 29.3 54.3
 148 64.3 44.8 83.2

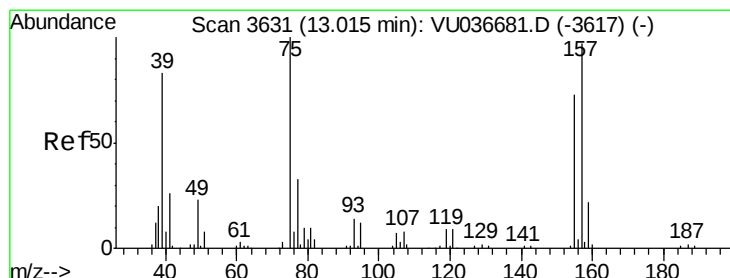
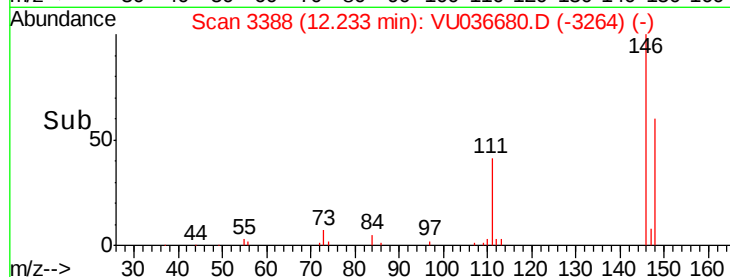
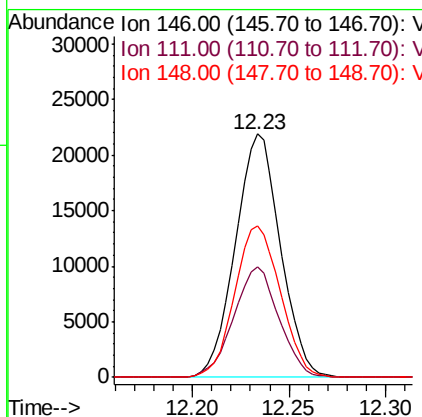
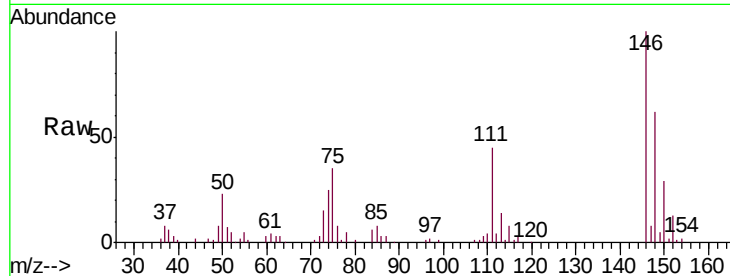




#67
 1,2-Dichlorobenzene
 Concen: 9.782 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036680.D
 Acq: 06 Feb 2020 11:53

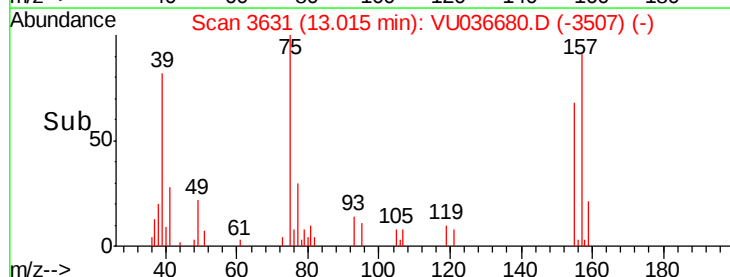
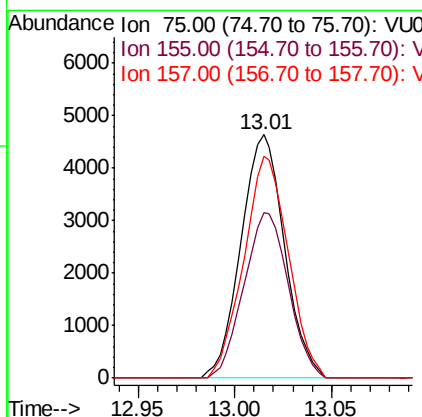
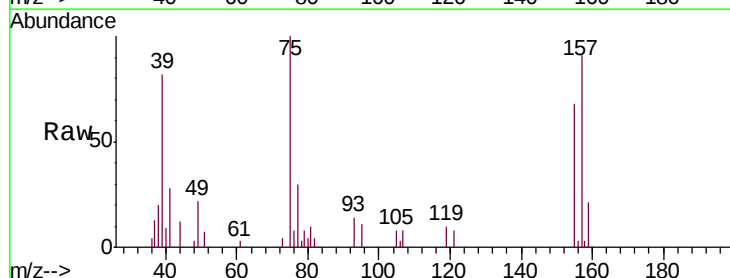
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010102

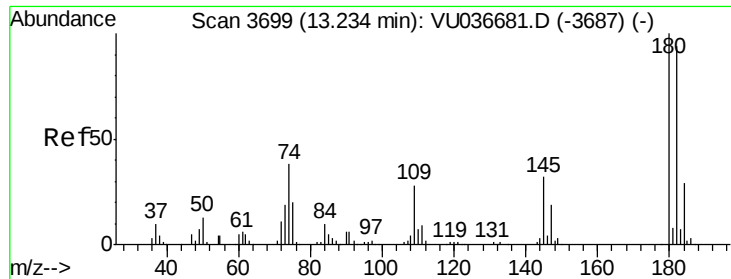
Tgt Ion: 146 Resp: 35473
 Ion Ratio Lower Upper
 146 100
 111 45.5 35.4 53.0
 148 62.2 50.4 75.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 10.723 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU036680.D
 Acq: 06 Feb 2020 11:53

Tgt Ion: 75 Resp: 7248
 Ion Ratio Lower Upper
 75 100
 155 68.0 58.7 88.1
 157 91.2 77.8 116.6

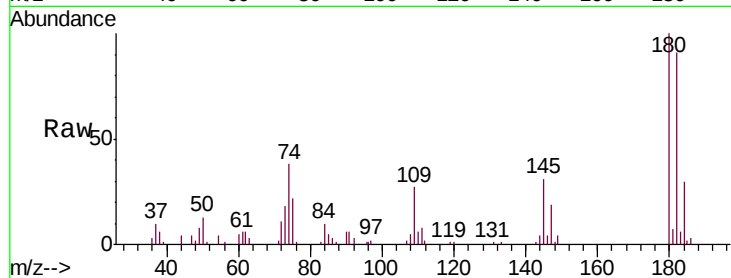




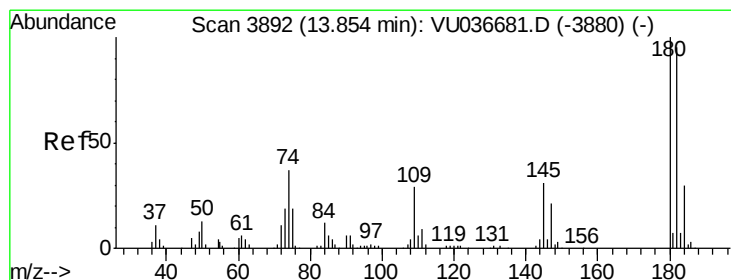
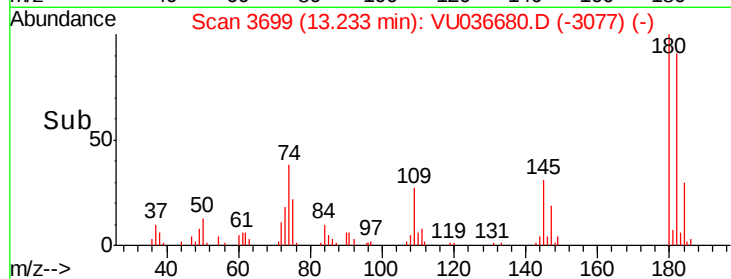
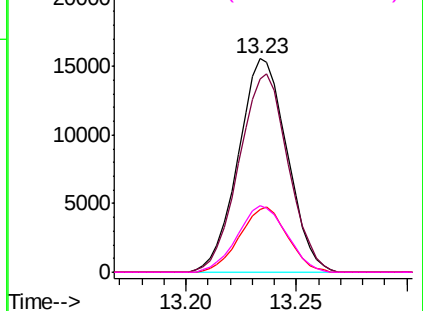
#69
 1,3,5-Trichlorobenzene
 Concen: 9.036 ug/L
 RT: 13.23 min Scan# 3699
 Delta R.T. -0.00 min
 Lab File: VU036680.D
 Acq: 06 Feb 2020 11:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010102

Tgt Ion:180 Resp: 23947
 Ion Ratio Lower Upper
 180 100
 182 93.2 76.2 114.4
 184 29.7 23.8 35.6
 145 31.3 25.0 37.6

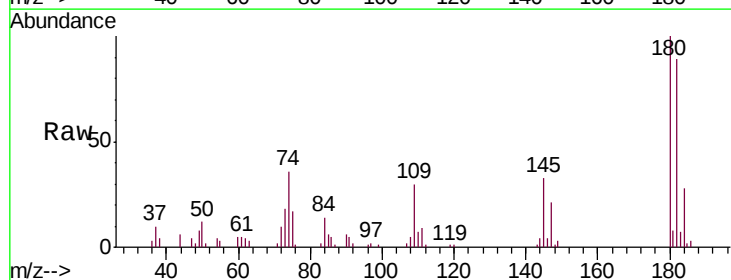


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

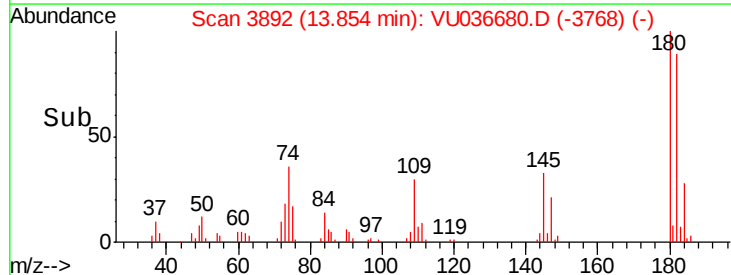
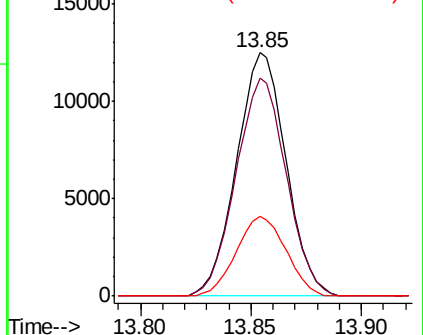


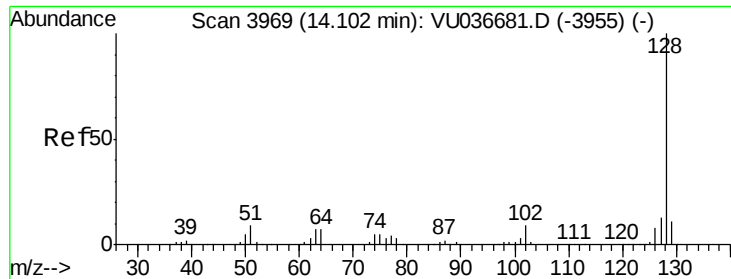
#70
 1,2,4-trichlorobenzene
 Concen: 8.902 ug/L
 RT: 13.85 min Scan# 3892
 Delta R.T. -0.00 min
 Lab File: VU036680.D
 Acq: 06 Feb 2020 11:53

Tgt Ion:180 Resp: 19477
 Ion Ratio Lower Upper
 180 100
 182 91.1 76.1 114.1
 145 32.8 25.7 38.5



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

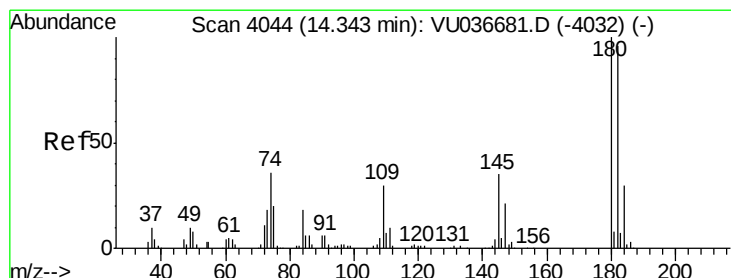
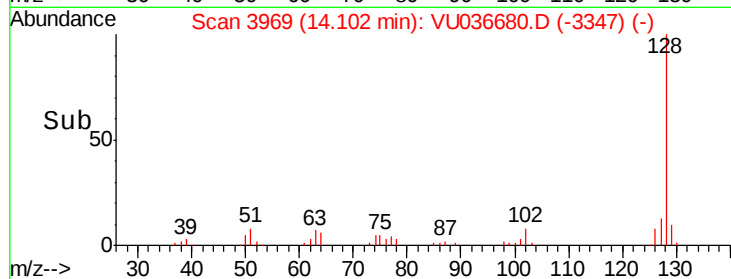
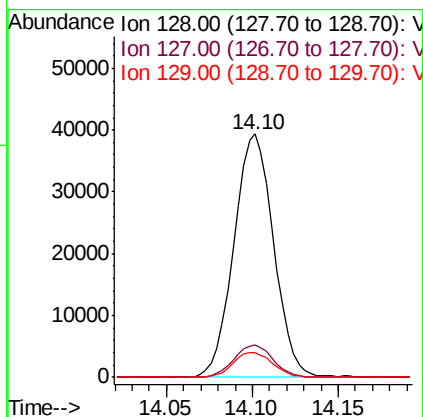
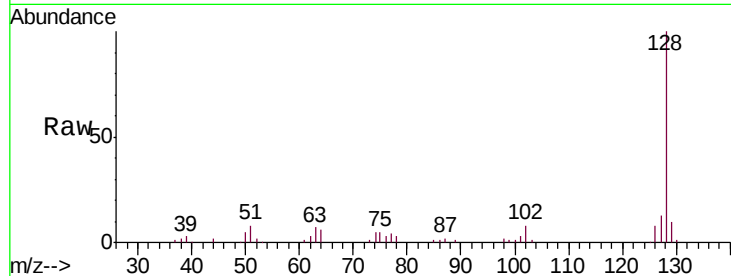




#71
Naphthalene
Concen: 9.405 ug/L
RT: 14.10 min Scan# 3969
Delta R.T. -0.00 min
Lab File: VU036680.D
Acq: 06 Feb 2020 11:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD010102

Tgt Ion:128 Resp: 63431
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.3 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 8.868 ug/L
RT: 14.34 min Scan# 4044
Delta R.T. -0.00 min
Lab File: VU036680.D
Acq: 06 Feb 2020 11:53

Tgt Ion:180 Resp: 20048
Ion Ratio Lower Upper
180 100
182 92.4 76.8 115.2
145 33.4 27.5 41.3

