

Data File : VU036691.D
Acq On : 07 Feb 2020 09:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD050108

Quant Time: Feb 07 22:36:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 16:44:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	267616	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	247540	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	112836	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	91649	51.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.70%
7) Chloroethane-d5	1.93	69	81695	49.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.74%
11) 1,1-Dichloroethene-d2	2.59	63	167835	49.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.62%
21) 2-Butanone-d5	4.68	46	157870	103.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.68%
24) Chloroform-d	5.11	84	162242	50.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.46%
26) 1,2-Dichloroethane-d4	5.74	65	107559	48.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.36%
32) Benzene-d6	5.77	84	328974	50.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.10%
36) 1,2-Dichloropropane-d6	6.73	67	110067	50.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.90%
41) Toluene-d8	7.93	98	297562	49.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.86%
43) trans-1,3-Dichloropropene-	8.21	79	51098	49.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.80%
47) 2-Hexanone-d5	8.66	63	123675	100.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.30%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	157788	49.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.12%
66) 1,2-Dichlorobenzene-d4	12.21	152	100608	49.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	93832	50.748	ug/L 100
3) Chloromethane	1.54	50	109143	49.813	ug/L 99
5) Vinyl chloride	1.62	62	120087	50.901	ug/L 98
6) Bromomethane	1.87	94	83523	56.463	ug/L 96
8) Chloroethane	1.95	64	74658	49.861	ug/L 100
9) Trichlorofluoromethane	2.16	101	142499	50.830	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	85999	51.215	ug/L 99
12) 1,1-Dichloroethene	2.60	96	82772	50.633	ug/L 98
13) Acetone	2.66	43	174149	107.664	ug/L 99
14) Carbon disulfide	2.82	76	245774	50.310	ug/L 100
15) Methyl Acetate	2.99	43	118529	50.687	ug/L 100
16) Methylene chloride	3.08	84	101518	50.314	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	87629	50.380	ug/L 97
18) Methyl tert-butyl Ether	3.41	73	302207	50.061	ug/L 100
19) 1,1-Dichloroethane	3.92	63	176076	50.806	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	100247	50.582	ug/L 99
22) 2-Butanone	4.76	43	202614	105.541	ug/L 100

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ClientSampleId :
VSTD050108

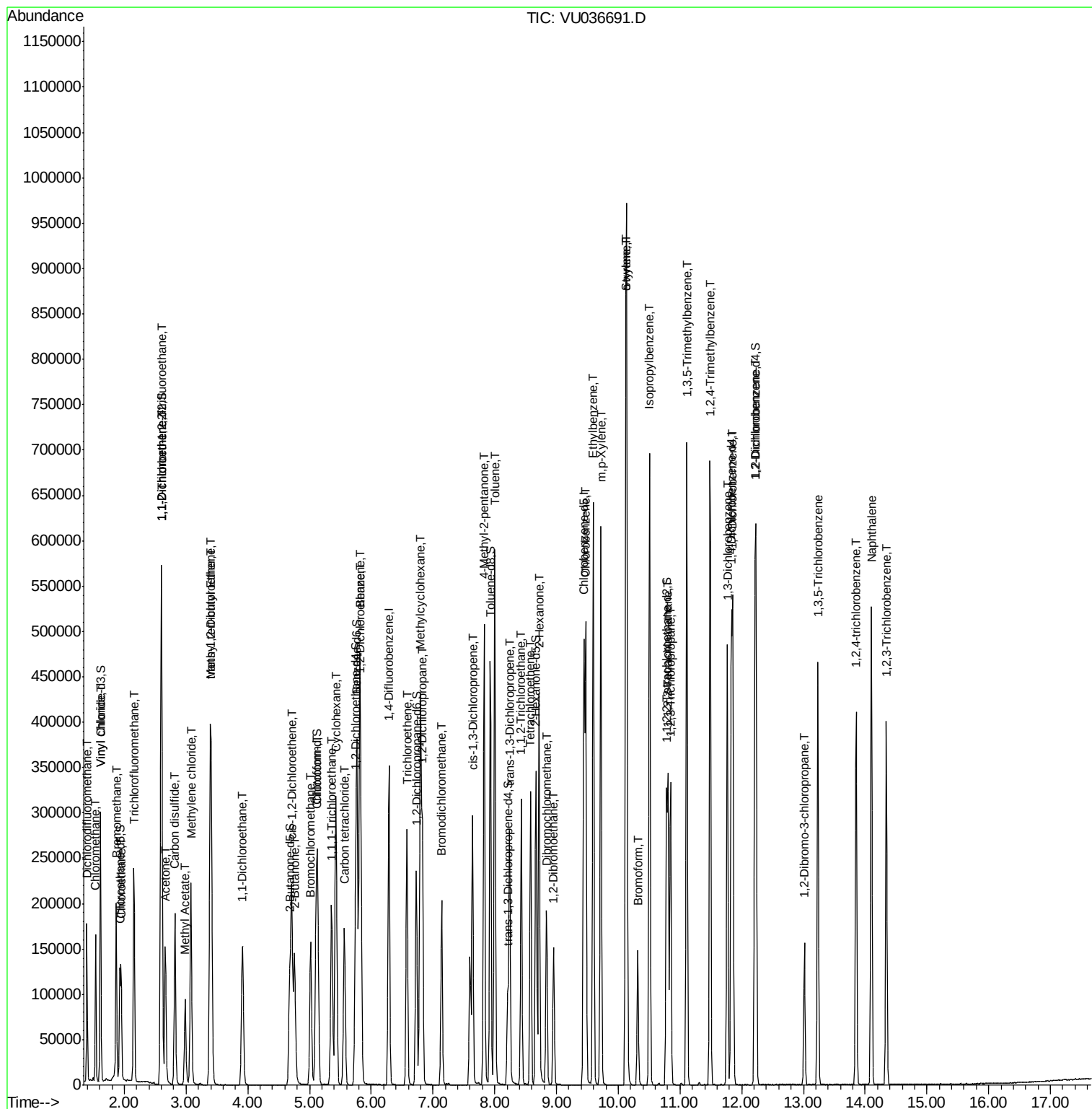
Quant Time: Feb 07 22:36:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
Quant Title : VOC Analysis
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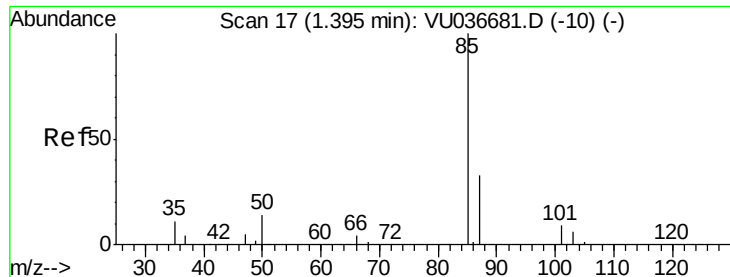
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	45497	48.990	ug/L	98
25) Chloroform	5.13	83	167432	49.676	ug/L	98
27) 1,2-Dichloroethane	5.84	62	141394	49.884	ug/L	98
29) Cyclohexane	5.43	56	164203	51.640	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	135920	51.690	ug/L	99
31) Carbon tetrachloride	5.57	117	109509	51.434	ug/L	100
33) Benzene	5.81	78	388787	51.927	ug/L	100
34) Trichloroethene	6.58	95	94853	51.231	ug/L	99
35) Methylcyclohexane	6.80	83	167574	51.394	ug/L	98
37) 1,2-Dichloropropane	6.83	63	105092	52.053	ug/L	99
38) Bromodichloromethane	7.14	83	127996	52.170	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	164594	51.023	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	321855	100.899	ug/L	99
42) Toluene	8.00	91	413542	51.115	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	146112	51.847	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	93715	50.881	ug/L	98
46) Tetrachloroethene	8.58	164	64754	49.839	ug/L	97
48) 2-Hexanone	8.72	43	262258	100.786	ug/L	99
49) Dibromochloromethane	8.84	129	93798	52.067	ug/L	100
50) 1,2-Dibromoethane	8.95	107	97905	50.599	ug/L	99
51) Chlorobenzene	9.47	112	243667	50.018	ug/L	100
52) Ethylbenzene	9.60	91	448176	50.415	ug/L	99
53) m,p-Xylene	9.72	106	164558	50.179	ug/L	97
54) o-xylene	10.12	106	163876	50.443	ug/L	99
55) Styrene	10.14	104	276193	51.012	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.81	83	166020	50.023	ug/L	100
59) Bromoform	10.32	173	62484	50.122	ug/L	99
60) 1,2,3-Trichloropropane	10.85	75	132425	49.892	ug/L	99
61) Isopropylbenzene	10.51	105	429895	51.166	ug/L	99
62) 1,3,5-Trimethylbenzene	11.11	105	372375	51.693	ug/L	100
63) 1,2,4-Trimethylbenzene	11.49	105	366581	50.963	ug/L	100
64) 1,3-Dichlorobenzene	11.77	146	178638	50.557	ug/L	99
65) 1,4-Dichlorobenzene	11.86	146	180697	50.796	ug/L	99
67) 1,2-Dichlorobenzene	12.23	146	180042	50.327	ug/L	100
68) 1,2-Dibromo-3-chloropropan	13.01	75	39208	51.691	ug/L	95
69) 1,3,5-Trichlorobenzene	13.23	180	127187	51.910	ug/L	99
70) 1,2,4-trichlorobenzene	13.85	180	110576	54.122	ug/L	100
71) Naphthalene	14.10	128	391280	54.331	ug/L	99
72) 1,2,3-Trichlorobenzene	14.34	180	109649	53.869	ug/L	99

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

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ALS Vial      : 2      Sample Multiplier: 1
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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 50.748 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036691.D

Acq: 07 Feb 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

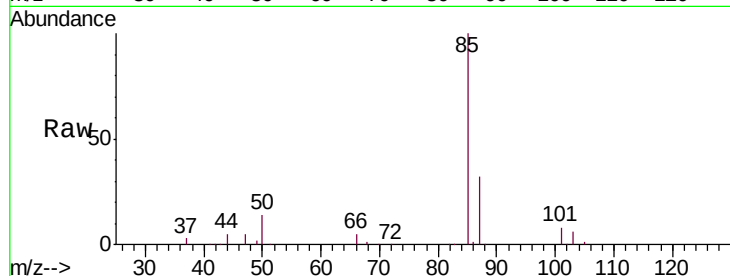
VSTD050108

Tgt Ion: 85 Resp: 93832

Ion Ratio Lower Upper

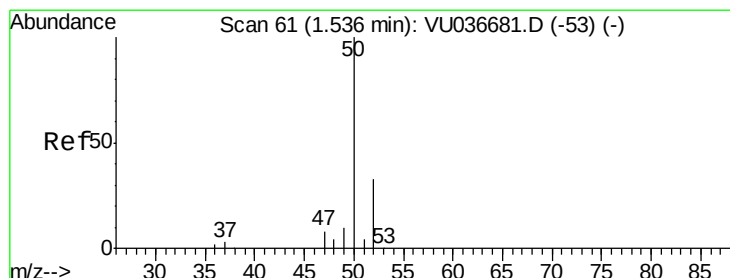
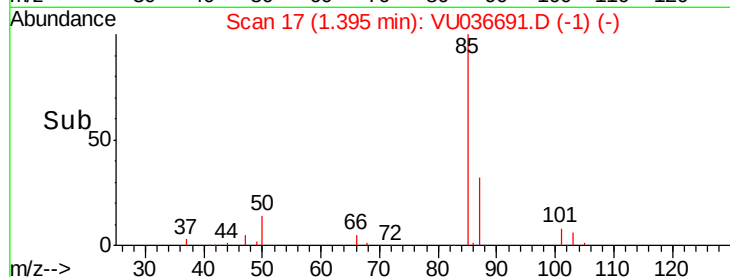
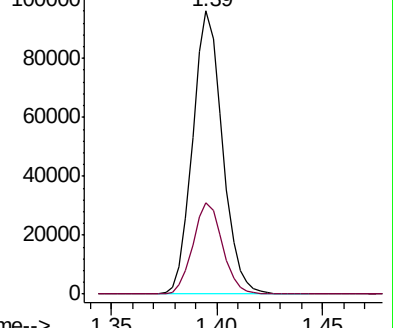
85 100

87 32.1 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU036681.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU036681.D (-10) (-)



#3

Chloromethane

Concen: 49.813 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036691.D

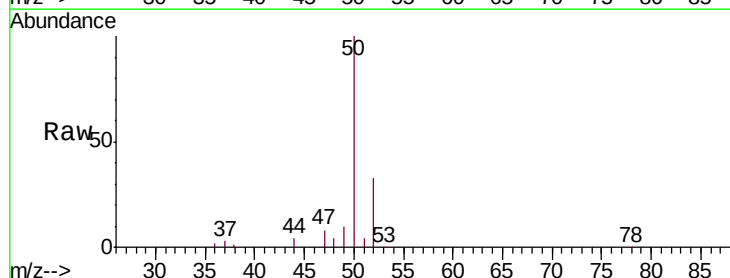
Acq: 07 Feb 2020 09:43

Tgt Ion: 50 Resp: 109143

Ion Ratio Lower Upper

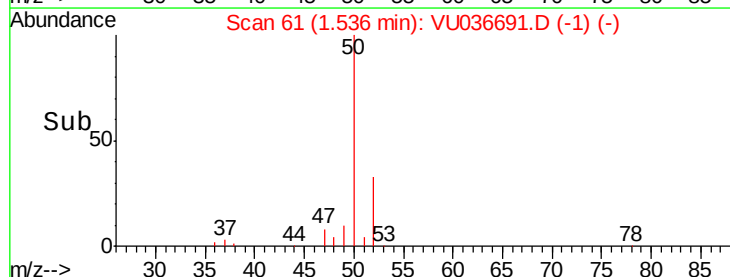
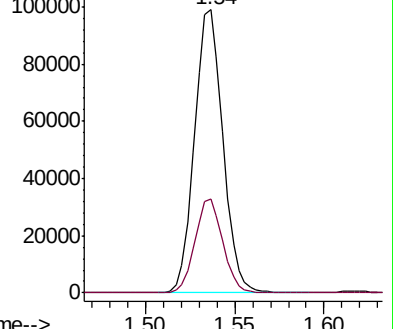
50 100

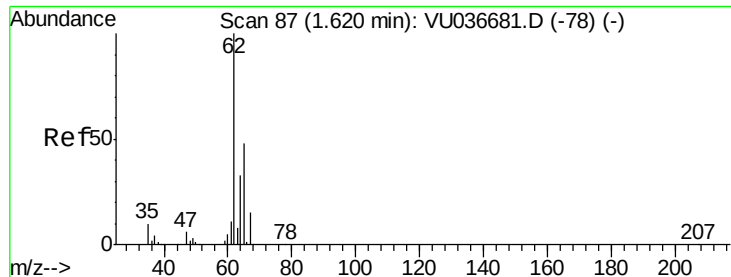
52 33.1 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU036681.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU036681.D (-53) (-)





#5

Vinyl chloride

Concen: 50.901 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036691.D

Acq: 07 Feb 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

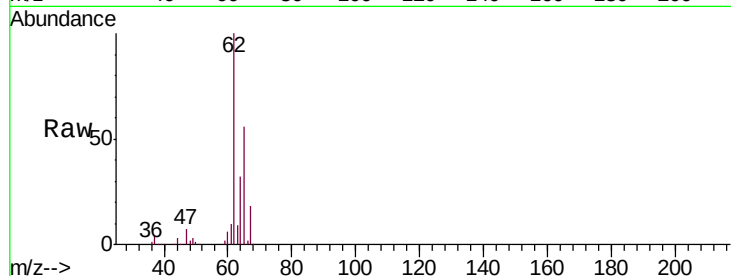
VSTD050108

Tgt Ion: 62 Resp: 120087

Ion Ratio Lower Upper

62 100

64 32.2 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU036681.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU036681.D (-78) (-)

1.62

120000

100000

80000

60000

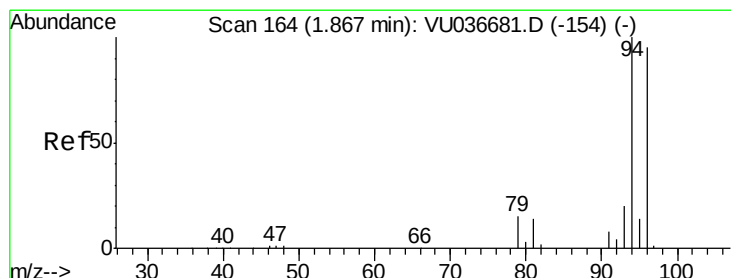
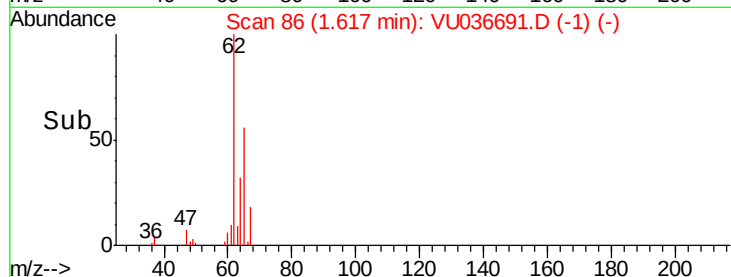
40000

20000

0

1.60 1.65

Time-->



#6

Bromomethane

Concen: 56.463 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU036691.D

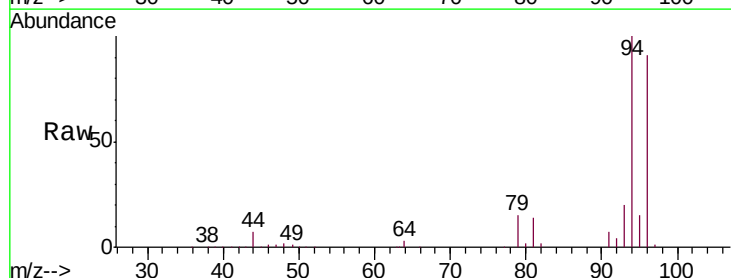
Acq: 07 Feb 2020 09:43

Tgt Ion: 94 Resp: 83523

Ion Ratio Lower Upper

94 100

96 91.3 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU036681.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU036681.D (-154) (-)

1.87

80000

60000

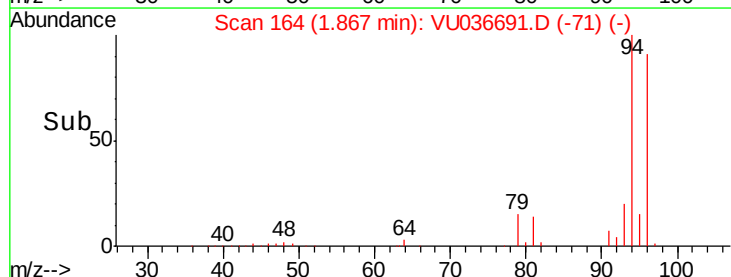
40000

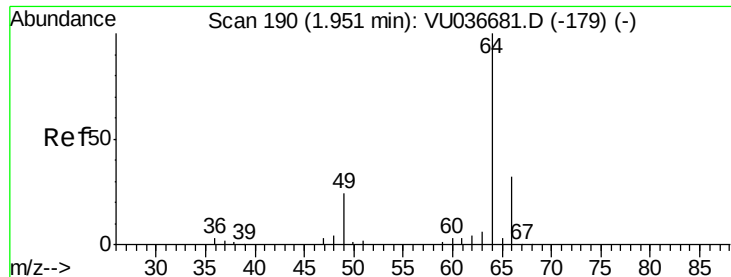
20000

0

1.80 1.85 1.90 1.95

Time-->

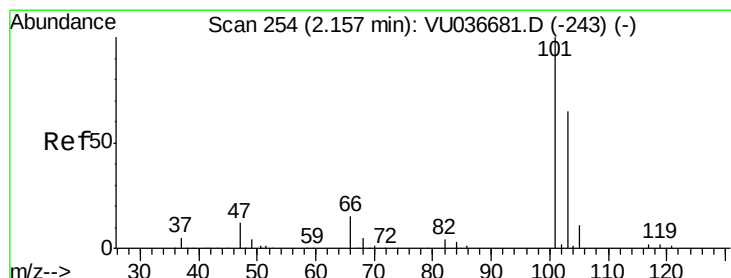
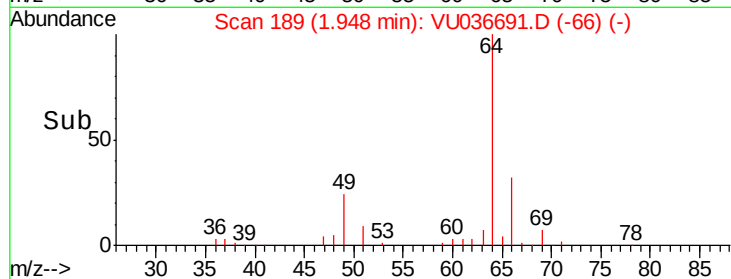
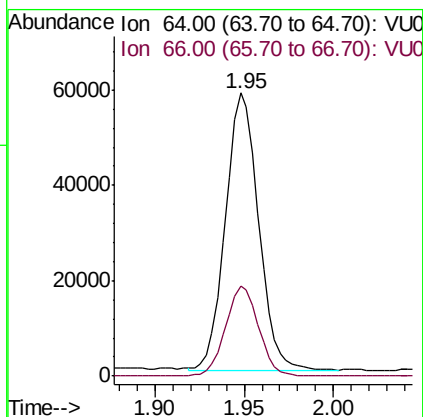
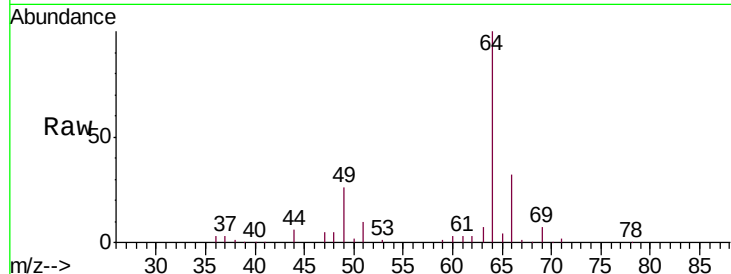




#8
 Chloroethane
 Concen: 49.861 ug/L
 RT: 1.95 min Scan# 189
 Delta R.T. -0.00 min
 Lab File: VU036691.D
 Acq: 07 Feb 2020 09:43

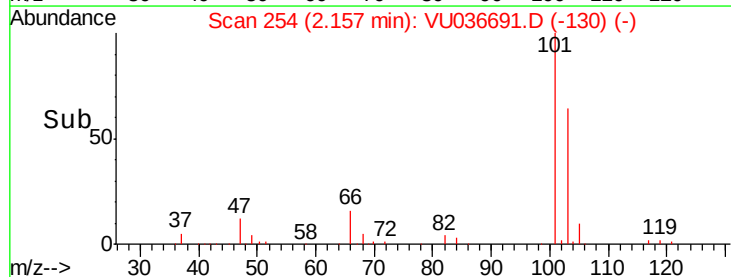
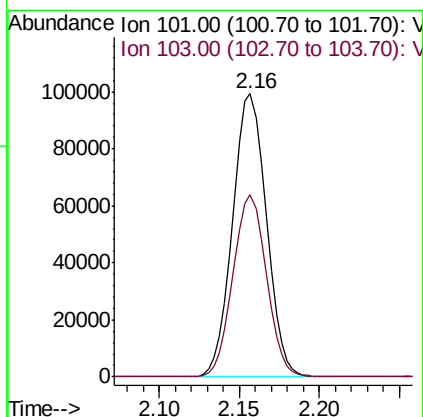
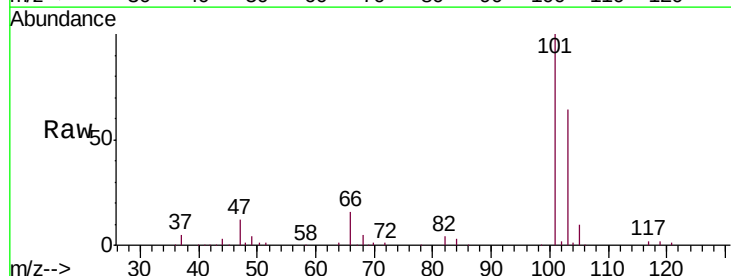
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050108

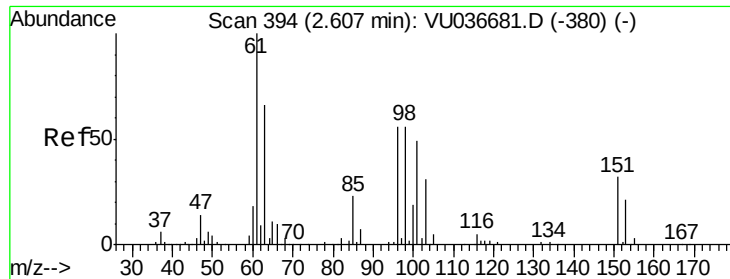
Tgt Ion: 64 Resp: 74658
 Ion Ratio Lower Upper
 64 100
 66 31.7 22.1 41.1



#9
 Trichlorofluoromethane
 Concen: 50.830 ug/L
 RT: 2.16 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VU036691.D
 Acq: 07 Feb 2020 09:43

Tgt Ion: 101 Resp: 142499
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.6 77.4





#10

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

Concen: 51.215 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036691.D

Acq: 07 Feb 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD050108

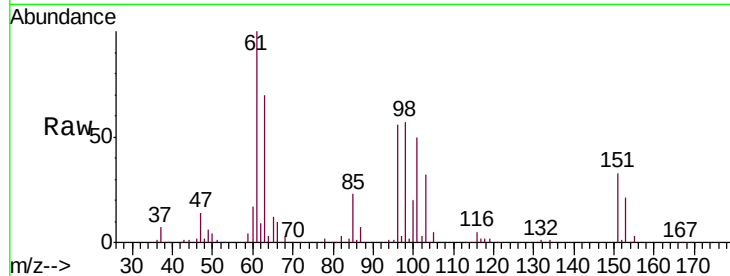
Tgt Ion:101 Resp: 85999

Ion Ratio Lower Upper

101 100

85 45.2 36.5 54.7

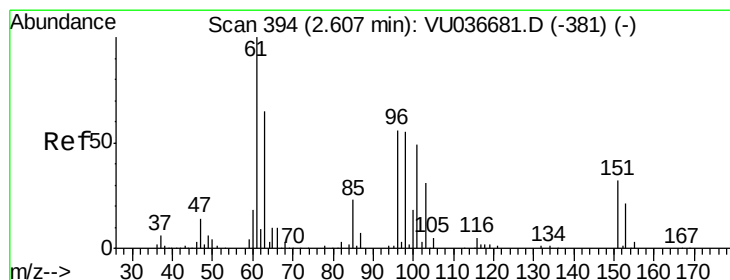
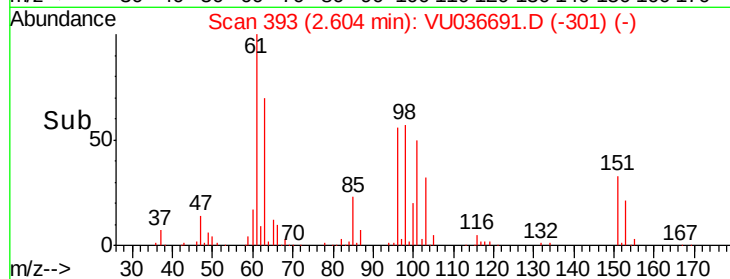
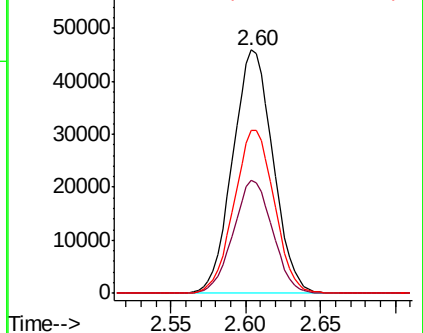
151 67.0 52.6 78.8



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: 50.633 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036691.D

Acq: 07 Feb 2020 09:43

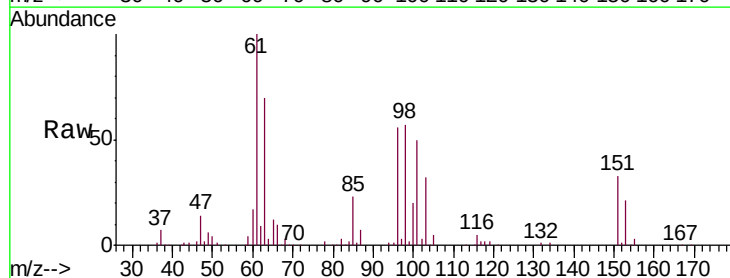
Tgt Ion: 96 Resp: 82772

Ion Ratio Lower Upper

96 100

61 177.2 124.4 231.0

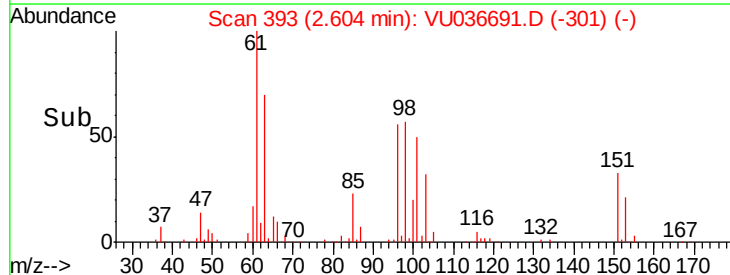
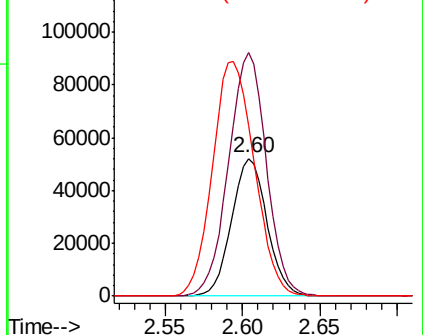
63 124.1 83.4 155.0

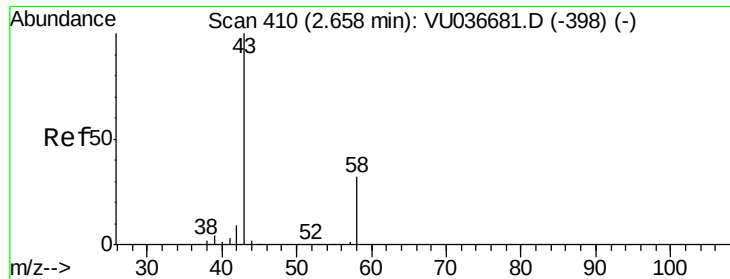


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 107.664 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU036691.D

Acq: 07 Feb 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

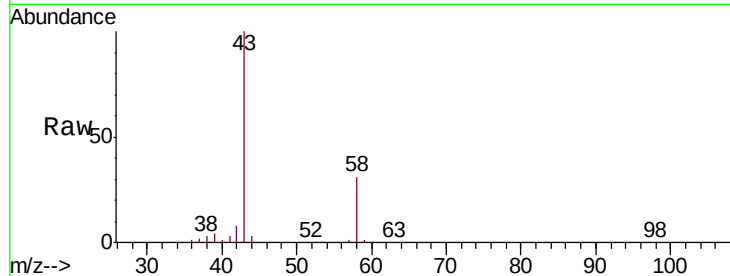
VSTD050108

Tgt Ion: 43 Resp: 174149

Ion Ratio Lower Upper

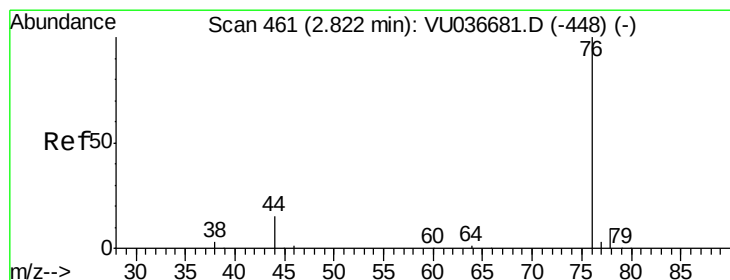
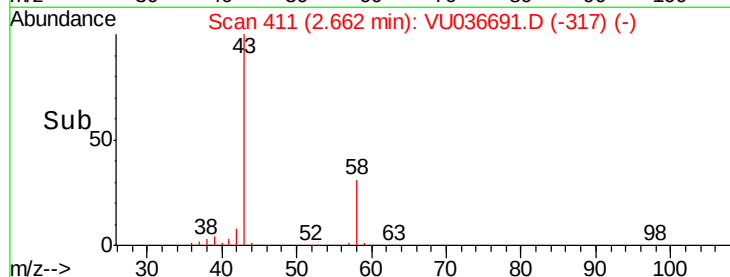
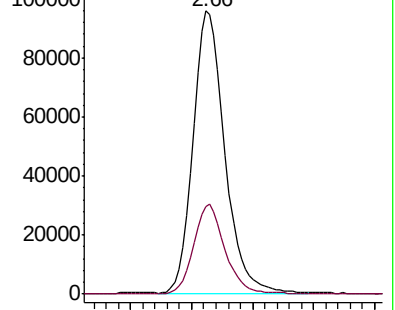
43 100

58 31.5 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU036691.D (-398) (-)

Ion 58.00 (57.70 to 58.70): VU036691.D (-398) (-)



#14

Carbon disulfide

Concen: 50.310 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036691.D

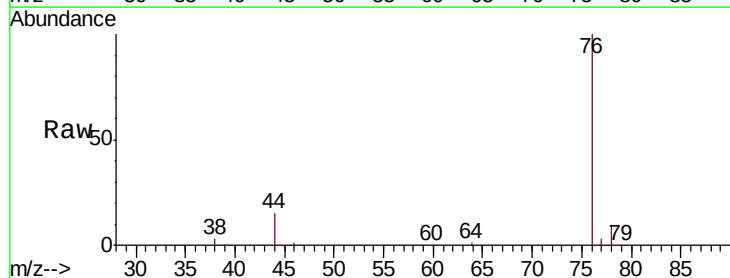
Acq: 07 Feb 2020 09:43

Tgt Ion: 76 Resp: 245774

Ion Ratio Lower Upper

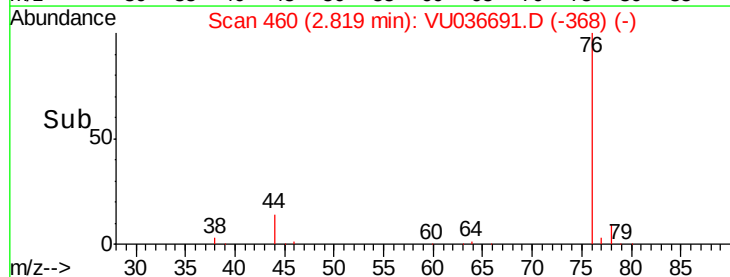
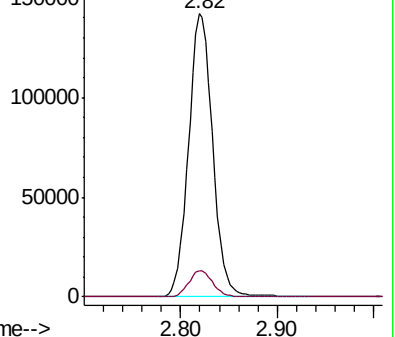
76 100

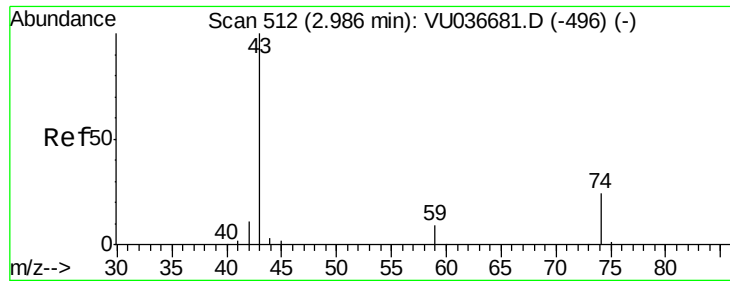
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU036691.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU036691.D (-368) (-)

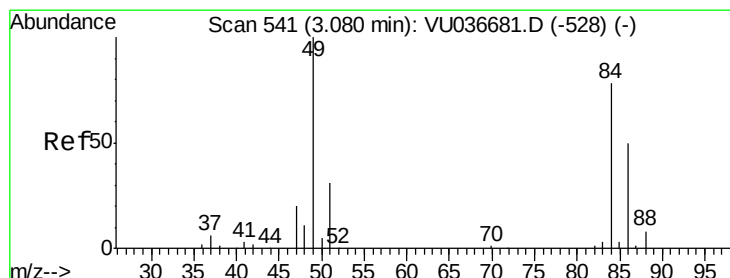
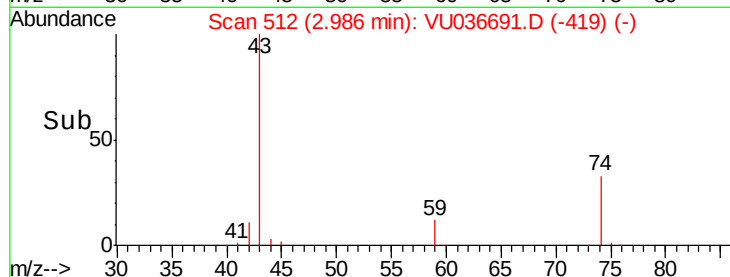
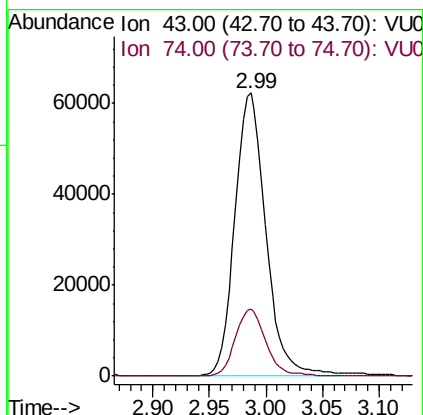
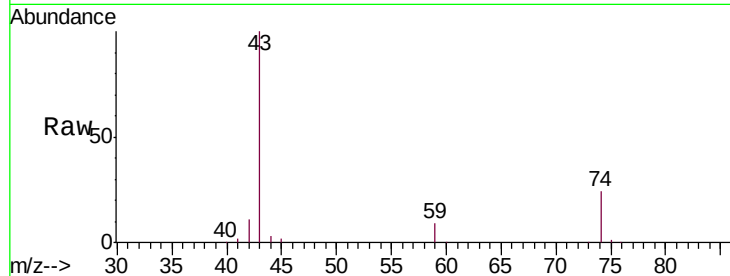




#15
Methyl Acetate
Concen: 50.687 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: VU036691.D
Acq: 07 Feb 2020 09:43

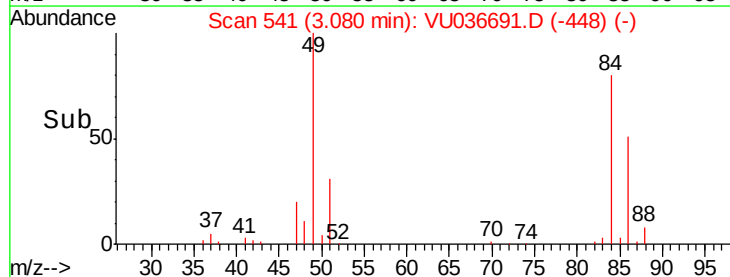
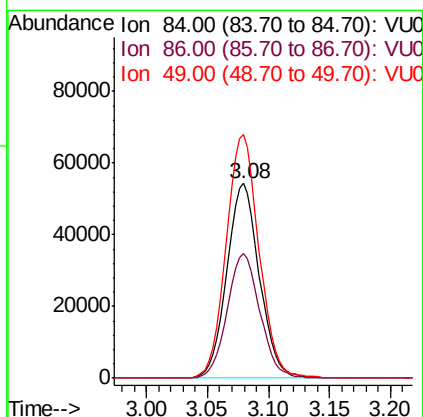
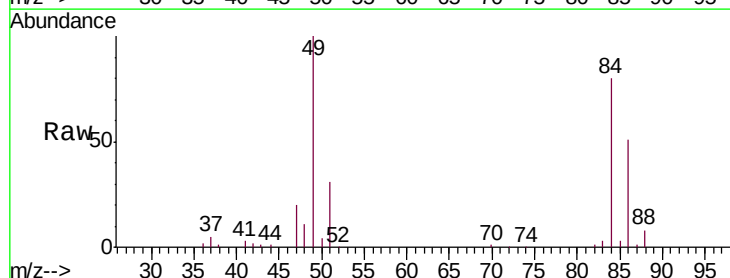
Instrument :
MSVOA_U
ClientSampleId :
VSTD050108

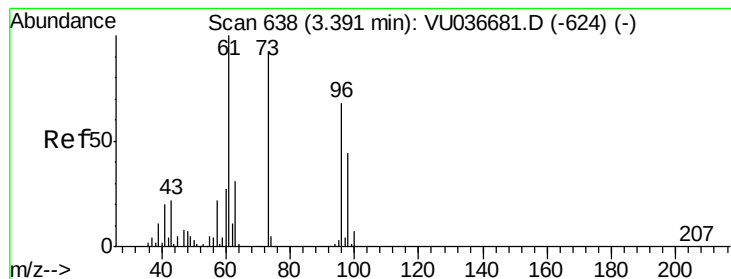
Tgt Ion: 43 Resp: 118529
Ion Ratio Lower Upper
43 100
74 23.5 18.7 28.1



#16
Methylene chloride
Concen: 50.314 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU036691.D
Acq: 07 Feb 2020 09:43

Tgt Ion: 84 Resp: 101518
Ion Ratio Lower Upper
84 100
86 63.8 44.4 82.5
49 125.1 89.2 165.8





#17

trans-1,2-Dichloroethene

Concen: 50.380 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU036691.D

Acq: 07 Feb 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD050108

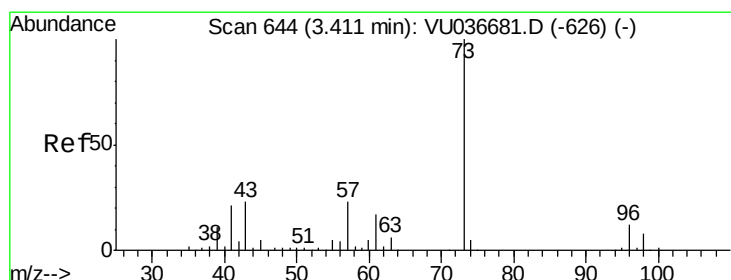
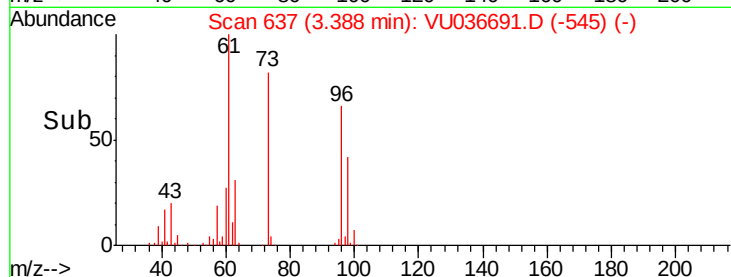
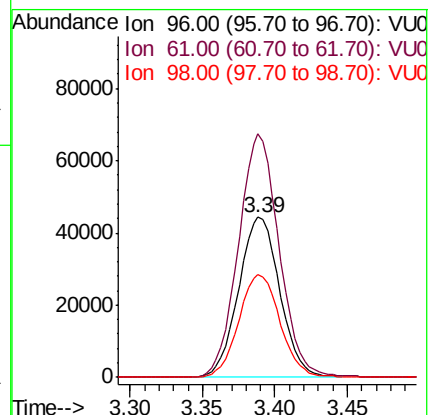
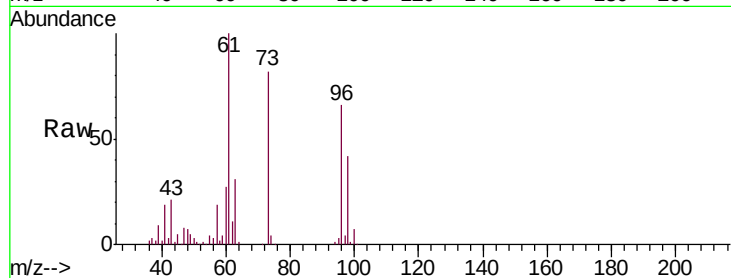
Tgt Ion: 96 Resp: 87629

Ion Ratio Lower Upper

96 100

61 151.9 103.4 192.0

98 63.8 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 50.061 ug/L

RT: 3.41 min Scan# 643

Delta R.T. -0.00 min

Lab File: VU036691.D

Acq: 07 Feb 2020 09:43

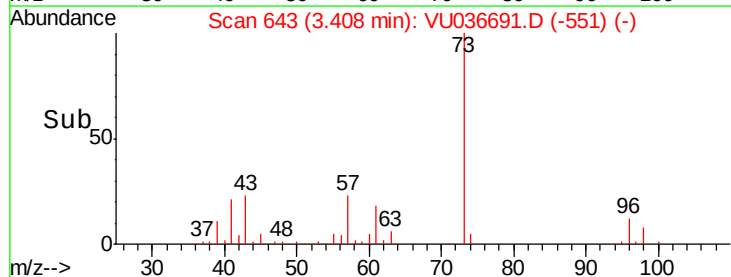
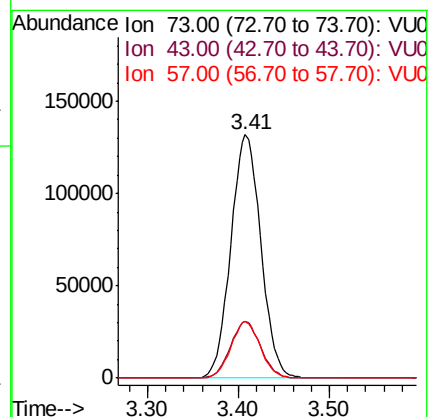
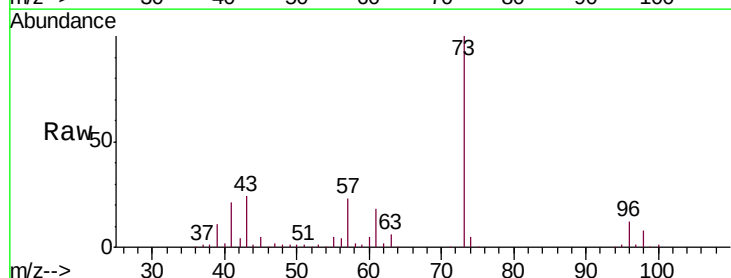
Tgt Ion: 73 Resp: 302207

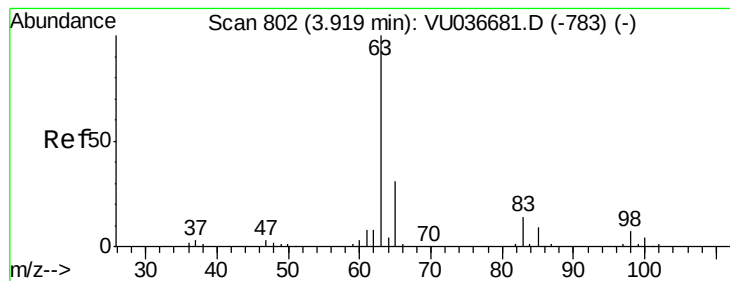
Ion Ratio Lower Upper

73 100

43 23.6 18.6 28.0

57 23.0 18.3 27.5





#19

1,1-Dichloroethane

Concen: 50.806 ug/L

RT: 3.92 min Scan# 801

Delta R.T. -0.00 min

Lab File: VU036691.D

Acq: 07 Feb 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD050108

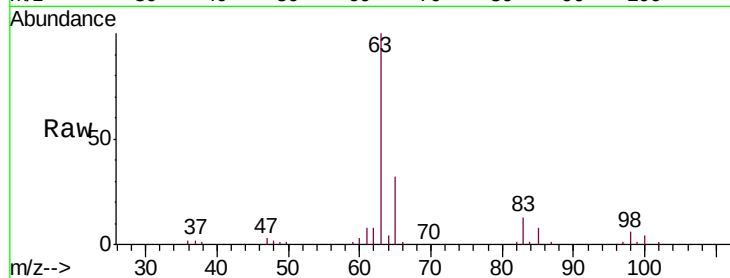
Tgt Ion: 63 Resp: 176076

Ion Ratio Lower Upper

63 100

65 31.7 22.0 40.8

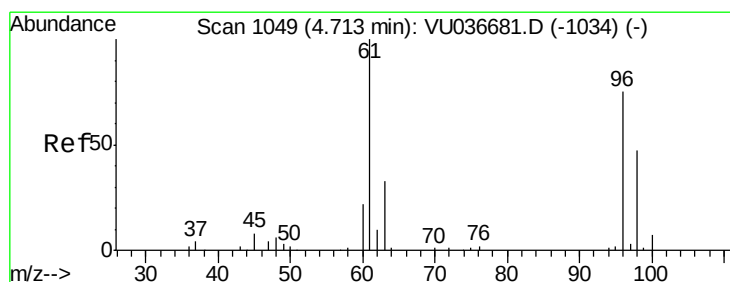
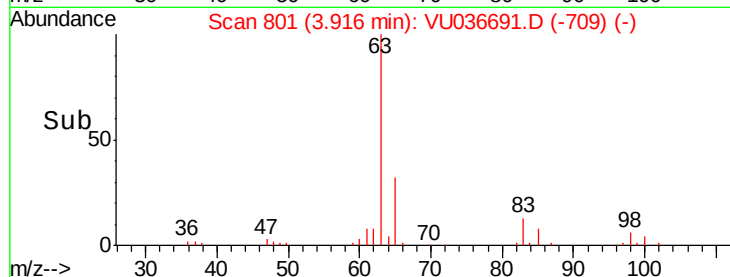
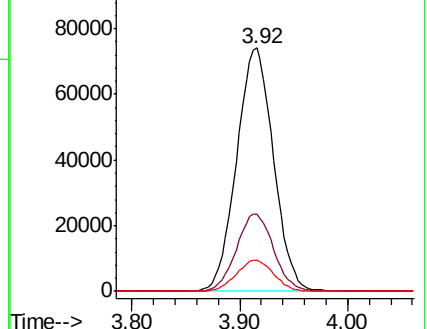
83 12.9 10.1 18.7



Abundance Ion 63.00 (62.70 to 63.70): VU036691.D (-783) (-)

Ion 65.00 (64.70 to 65.70): VU036691.D (-783) (-)

Ion 83.00 (82.70 to 83.70): VU036691.D (-783) (-)



#20

cis-1,2-Dichloroethene

Concen: 50.582 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU036691.D

Acq: 07 Feb 2020 09:43

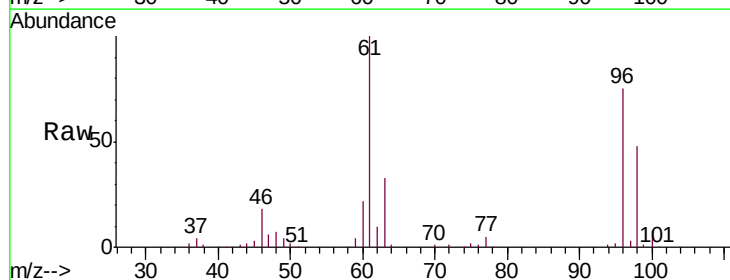
Tgt Ion: 96 Resp: 100247

Ion Ratio Lower Upper

96 100

61 134.1 93.3 173.3

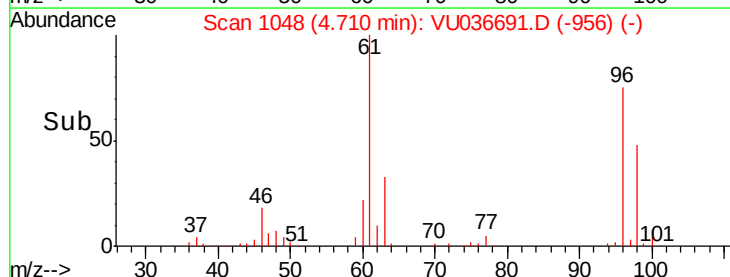
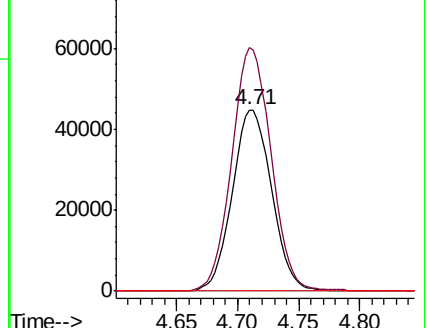
68 0.0 0.0 0.0

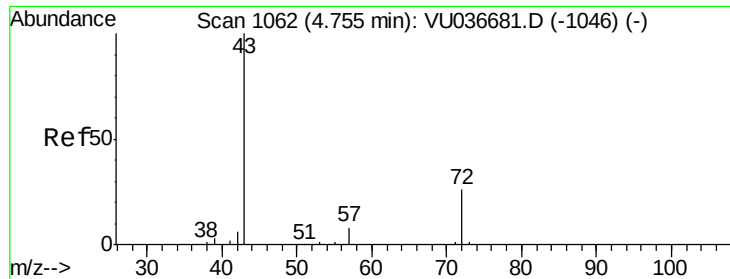


Abundance Ion 96.00 (95.70 to 96.70): VU036691.D (-1034) (-)

Ion 61.00 (60.70 to 61.70): VU036691.D (-1034) (-)

Ion 68.00 (67.70 to 68.70): VU036691.D (-1034) (-)





#22

2-Butanone

Concen: 105.541 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VU036691.D

Acq: 07 Feb 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

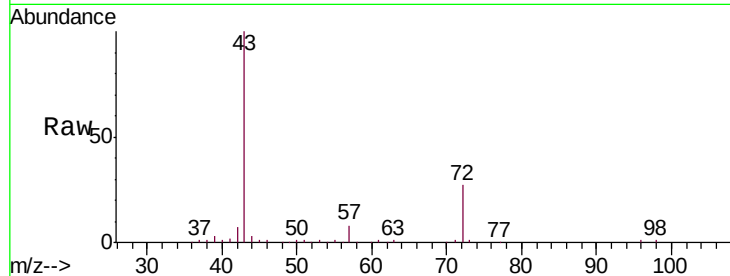
VSTD050108

Tgt Ion: 43 Resp: 202614

Ion Ratio Lower Upper

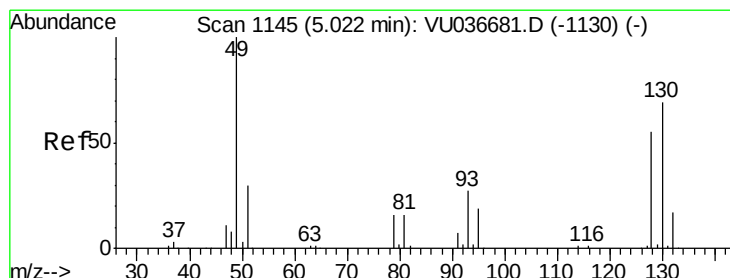
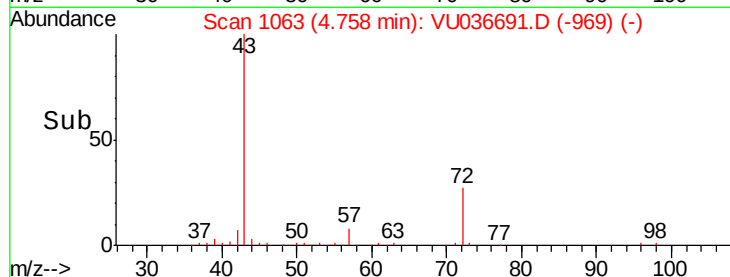
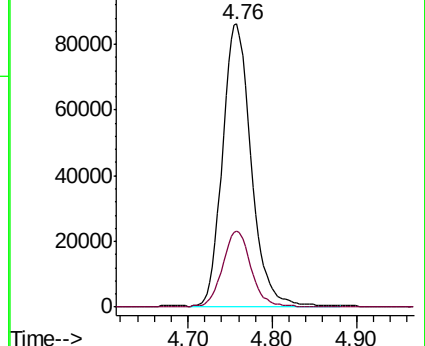
43 100

72 27.1 13.6 40.7



Abundance Ion 43.00 (42.70 to 43.70): VU036691.D (-1069) (-)

Ion 72.00 (71.70 to 72.70): VU036691.D (-1069) (-)



#23

Bromochloromethane

Concen: 48.990 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VU036691.D

Acq: 07 Feb 2020 09:43

Tgt Ion: 128 Resp: 45497

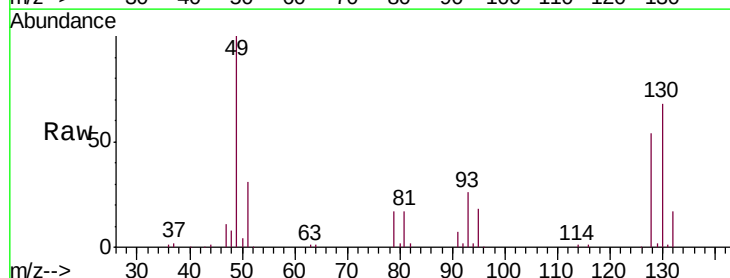
Ion Ratio Lower Upper

128 100

49 186.3 127.3 236.5

130 127.4 88.5 164.3

51 58.3 44.4 66.6

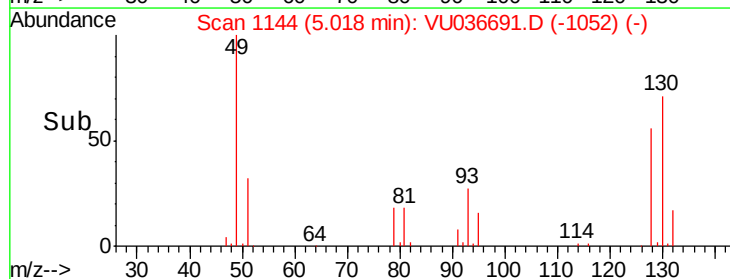
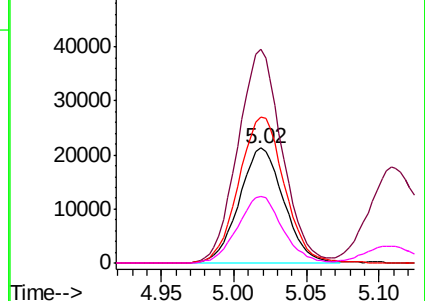


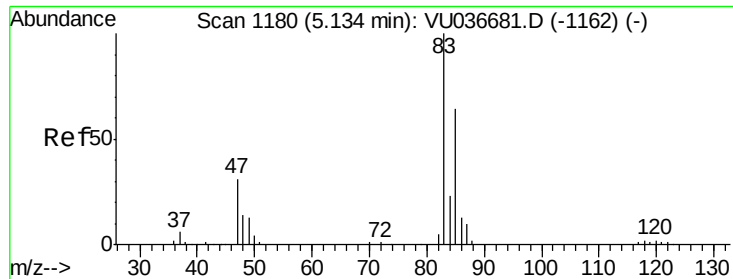
Abundance Ion 128.00 (127.70 to 128.70): VU036691.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU036691.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU036691.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU036691.D (-1052) (-)

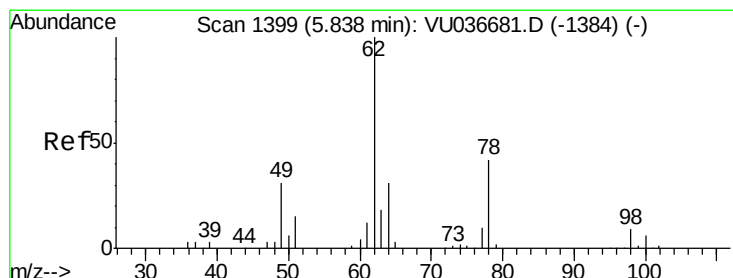
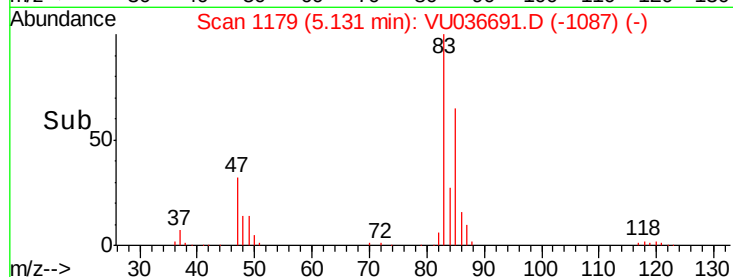
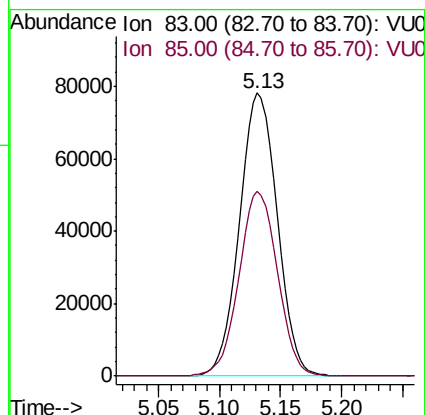
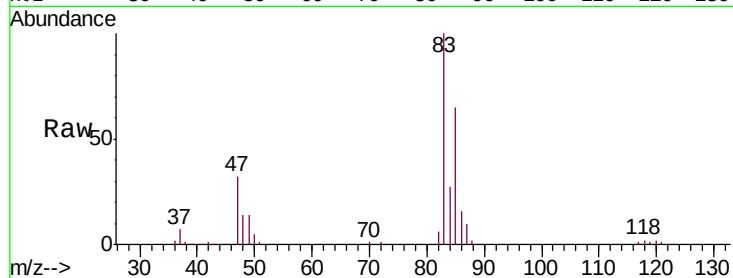




#25
Chloroform
Concen: 49.676 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU036691.D
Acq: 07 Feb 2020 09:43

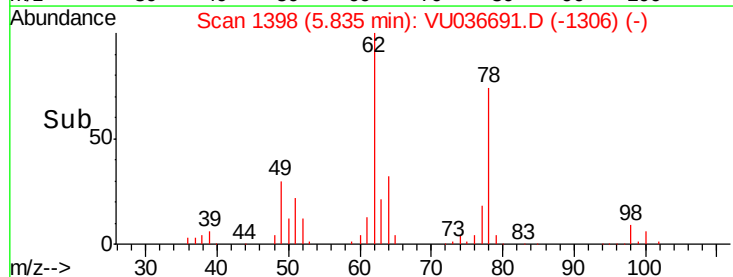
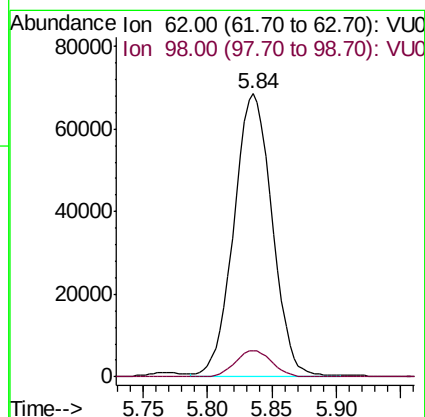
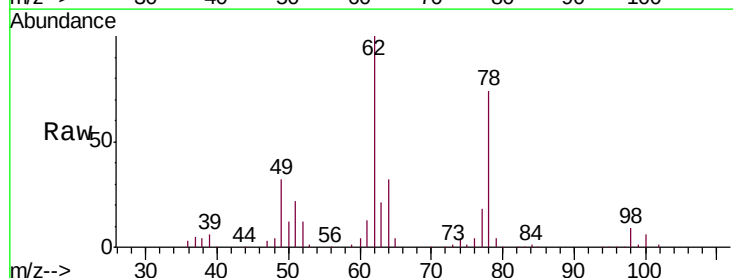
Instrument :
MSVOA_U
ClientSampleId :
VSTD050108

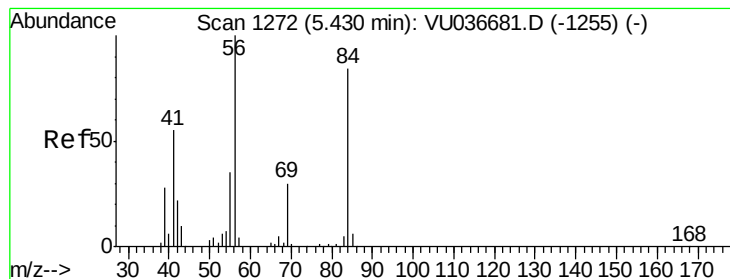
Tgt Ion: 83 Resp: 167432
Ion Ratio Lower Upper
83 100
85 65.3 44.6 82.8



#27
1,2-Dichloroethane
Concen: 49.884 ug/L
RT: 5.84 min Scan# 1398
Delta R.T. -0.00 min
Lab File: VU036691.D
Acq: 07 Feb 2020 09:43

Tgt Ion: 62 Resp: 141394
Ion Ratio Lower Upper
62 100
98 9.3 7.0 10.4





#29

Cyclohexane

Concen: 51.640 ug/L

RT: 5.43 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU036691.D

Acq: 07 Feb 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD050108

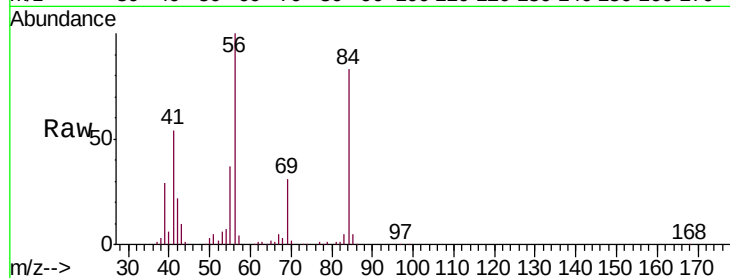
Tgt Ion: 56 Resp: 164203

Ion Ratio Lower Upper

56 100

69 30.9 25.0 37.4

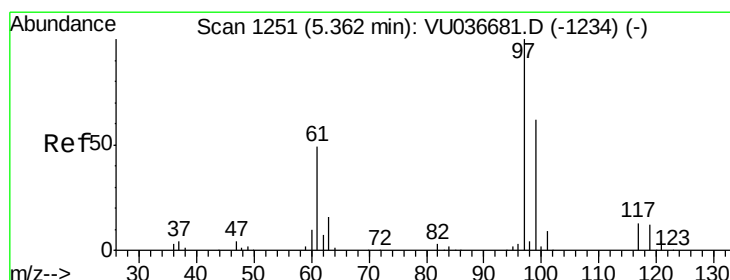
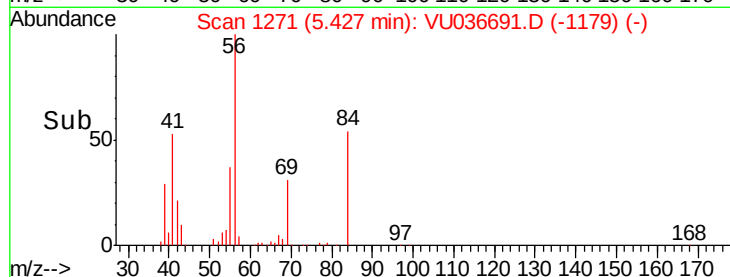
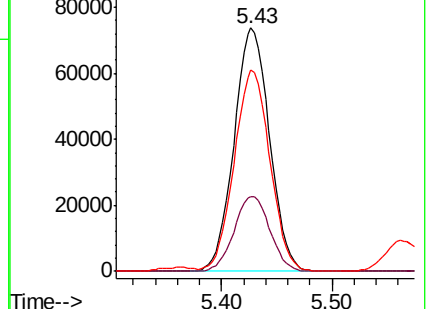
84 83.1 68.2 102.2



Abundance Ion 56.00 (55.70 to 56.70): VU036691.D (-1272) (-)

Ion 69.00 (68.70 to 69.70): VU036691.D (-1272) (-)

Ion 84.00 (83.70 to 84.70): VU036691.D (-1272) (-)



#30

1,1,1-Trichloroethane

Concen: 51.690 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VU036691.D

Acq: 07 Feb 2020 09:43

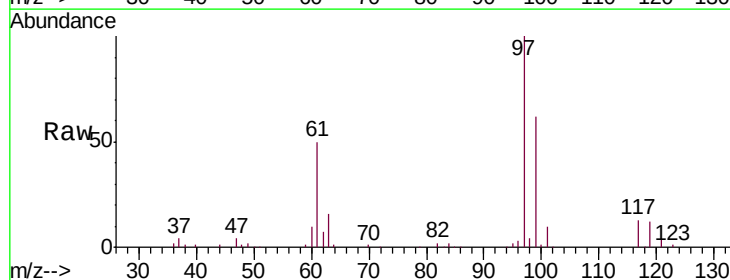
Tgt Ion: 97 Resp: 135920

Ion Ratio Lower Upper

97 100

99 64.1 50.9 76.3

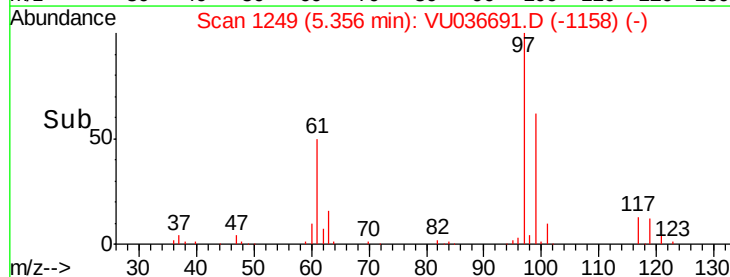
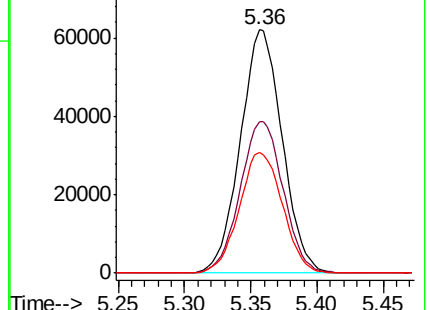
61 51.2 40.2 60.2

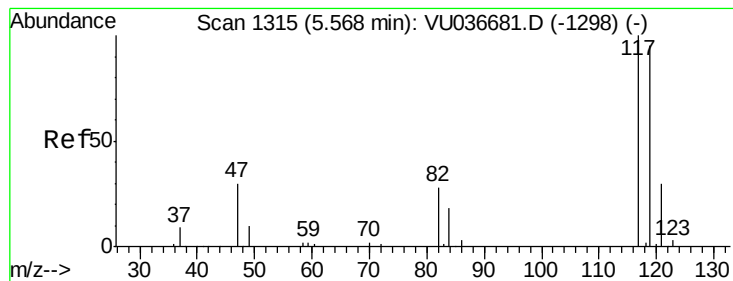


Abundance Ion 97.00 (96.70 to 97.70): VU036691.D (-1251) (-)

Ion 99.00 (98.70 to 99.70): VU036691.D (-1251) (-)

Ion 61.05 (60.75 to 61.75): VU036691.D (-1251) (-)





#31

Carbon tetrachloride

Concen: 51.434 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU036691.D

Acq: 07 Feb 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

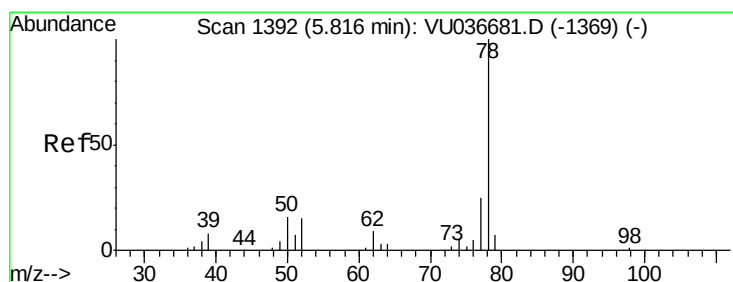
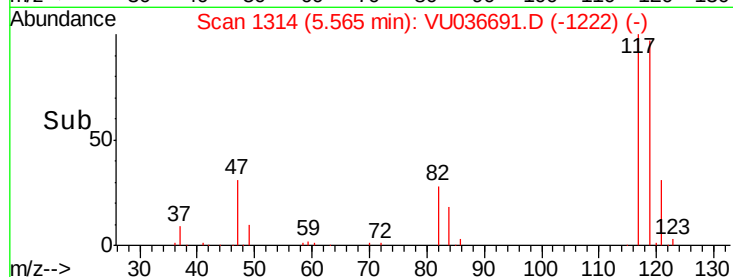
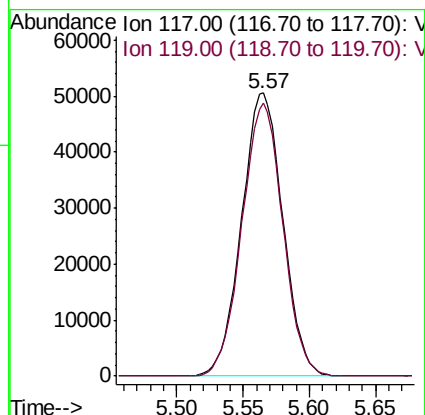
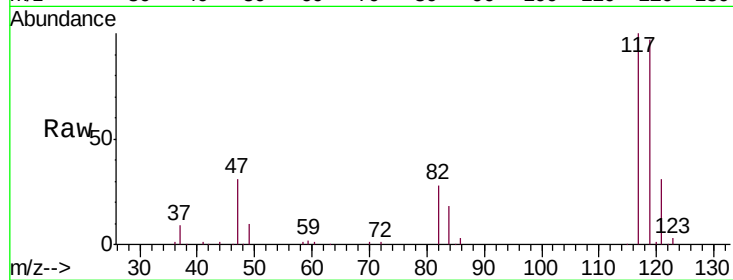
VSTD050108

Tgt Ion:117 Resp: 109509

Ion Ratio Lower Upper

117 100

119 95.5 76.2 114.4



#33

Benzene

Concen: 51.927 ug/L

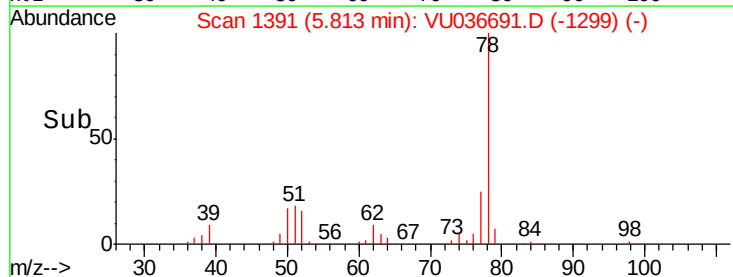
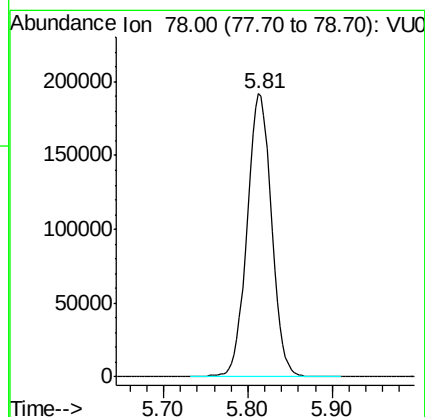
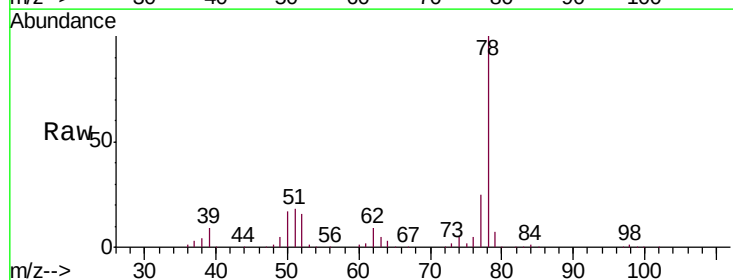
RT: 5.81 min Scan# 1391

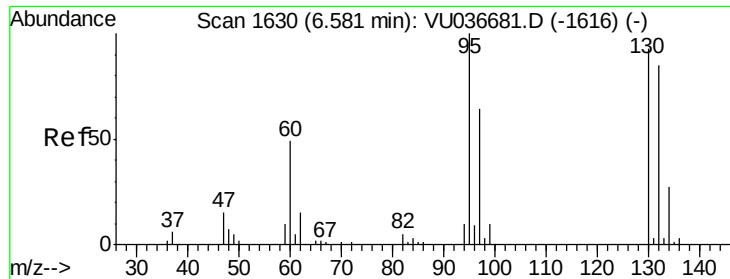
Delta R.T. -0.00 min

Lab File: VU036691.D

Acq: 07 Feb 2020 09:43

Tgt Ion: 78 Resp: 388787





#34

Trichloroethene

Concen: 51.231 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU036691.D

Acq: 07 Feb 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD050108

Tgt Ion: 95 Resp: 94853

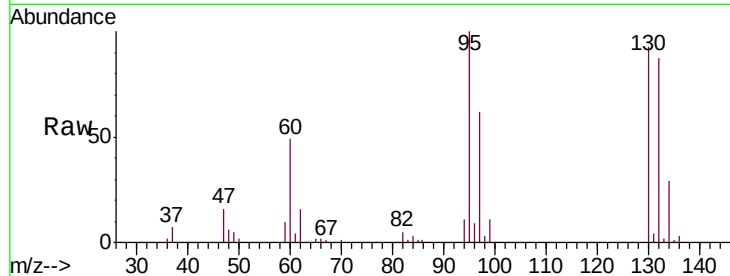
Ion Ratio Lower Upper

95 100

97 62.4 44.5 82.7

132 86.8 59.6 110.8

130 92.8 65.0 120.8

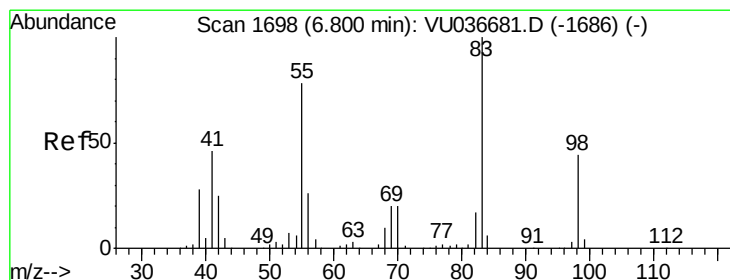
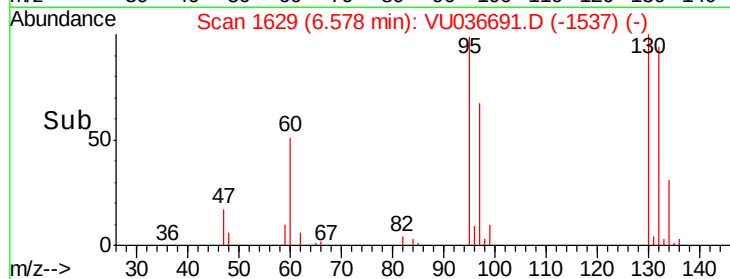
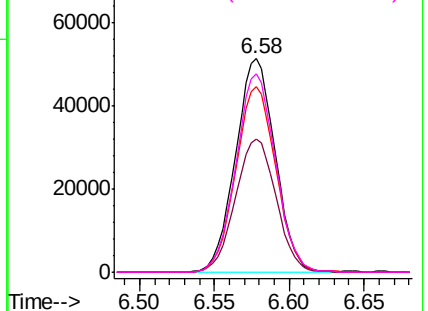


Abundance Ion 95.00 (94.70 to 95.70): VU036691.D (-1616) (-)

Ion 97.00 (96.70 to 97.70): VU036691.D (-1616) (-)

Ion 132.00 (131.70 to 132.70): VU036691.D (-1616) (-)

Ion 130.00 (129.70 to 130.70): VU036691.D (-1616) (-)



#35

Methylcyclohexane

Concen: 51.394 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VU036691.D

Acq: 07 Feb 2020 09:43

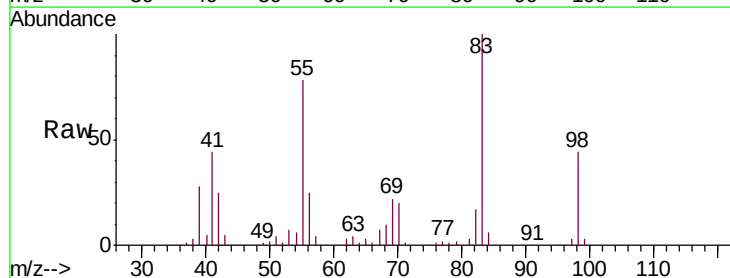
Tgt Ion: 83 Resp: 167574

Ion Ratio Lower Upper

83 100

55 78.1 61.2 91.8

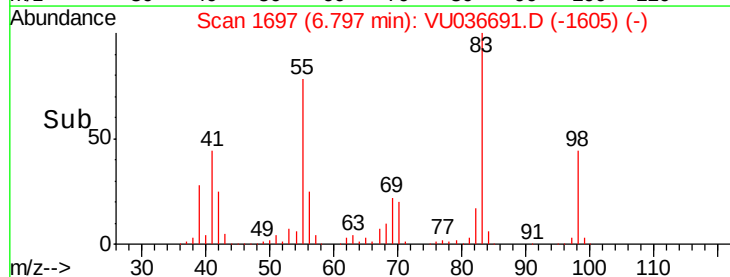
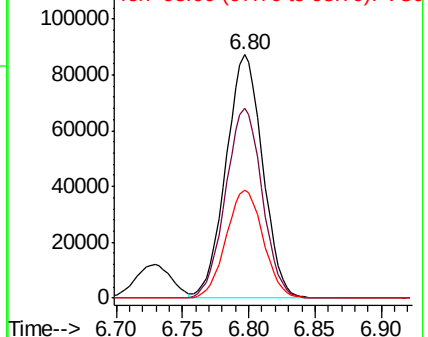
98 44.9 35.4 53.0

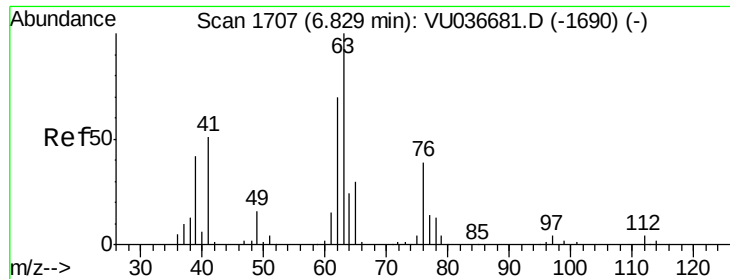


Abundance Ion 83.00 (82.70 to 83.70): VU036691.D (-1686) (-)

Ion 55.00 (54.70 to 55.70): VU036691.D (-1686) (-)

Ion 98.00 (97.70 to 98.70): VU036691.D (-1686) (-)

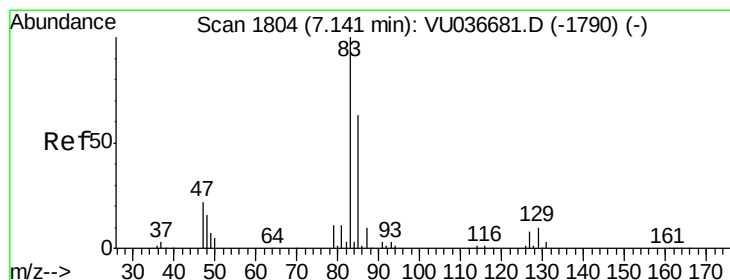
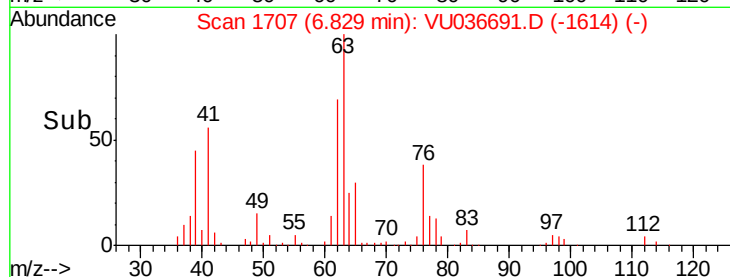
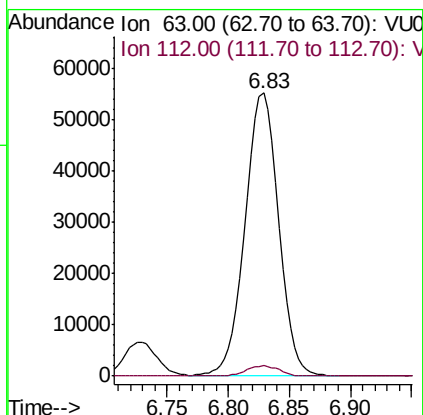
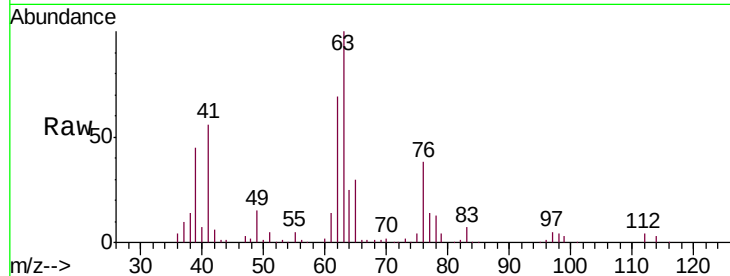




#37
 1,2-Dichloropropane
 Concen: 52.053 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU036691.D
 Acq: 07 Feb 2020 09:43

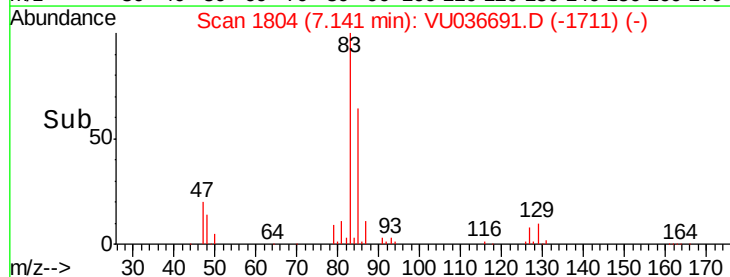
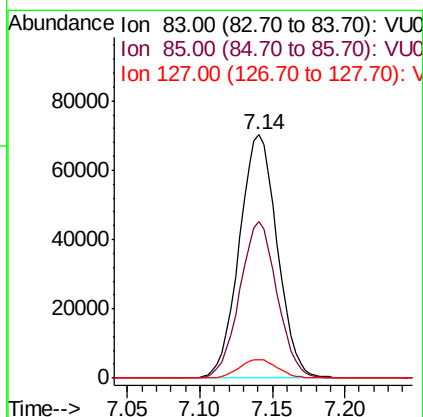
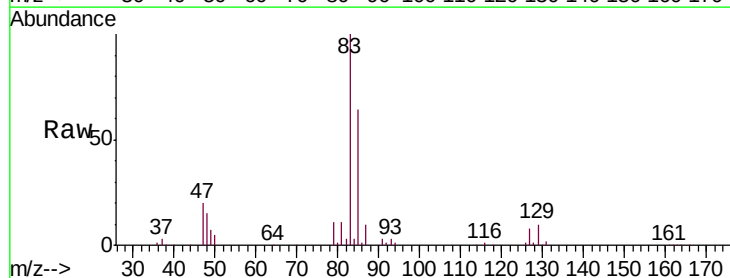
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050108

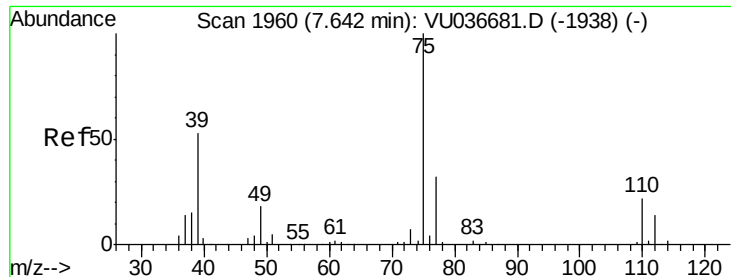
Tgt Ion: 63 Resp: 105092
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.1 4.7



#38
 Bromodichloromethane
 Concen: 52.170 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VU036691.D
 Acq: 07 Feb 2020 09:43

Tgt Ion: 83 Resp: 127996
 Ion Ratio Lower Upper
 83 100
 85 64.2 43.9 81.5
 127 7.7 6.0 9.0

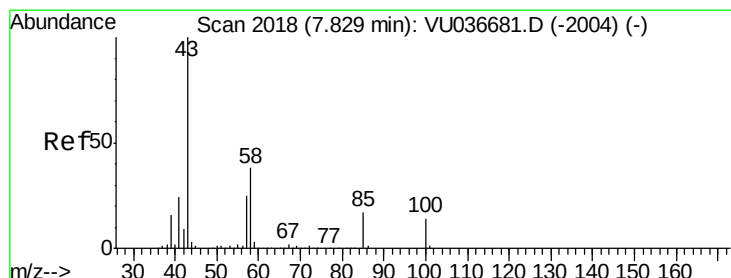
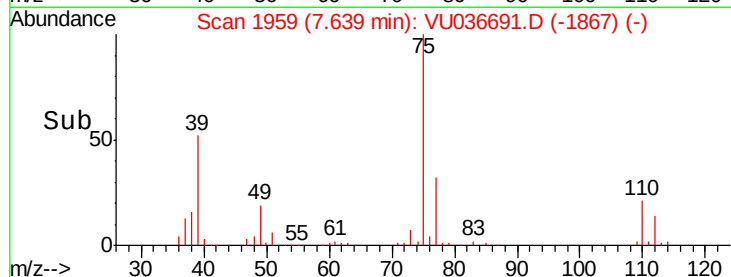
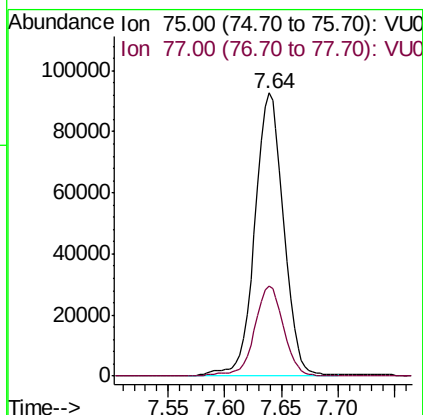
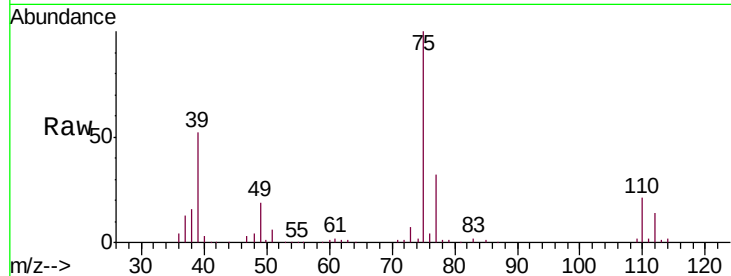




#39
 cis-1,3-Dichloropropene
 Concen: 51.023 ug/L
 RT: 7.64 min Scan# 1959
 Delta R.T. -0.00 min
 Lab File: VU036691.D
 Acq: 07 Feb 2020 09:43

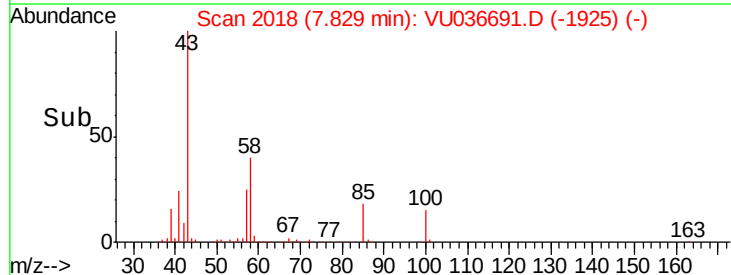
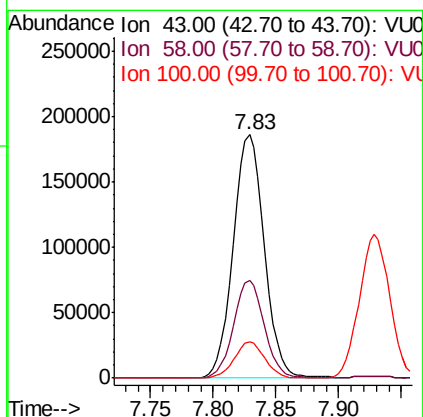
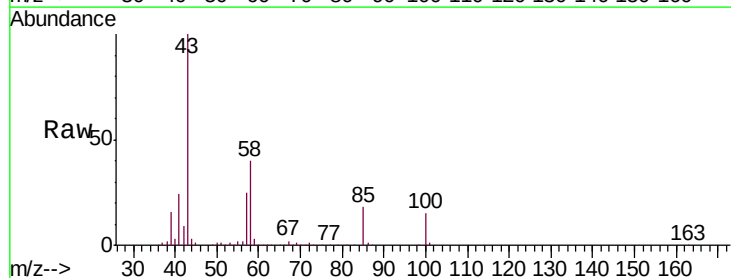
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD050108

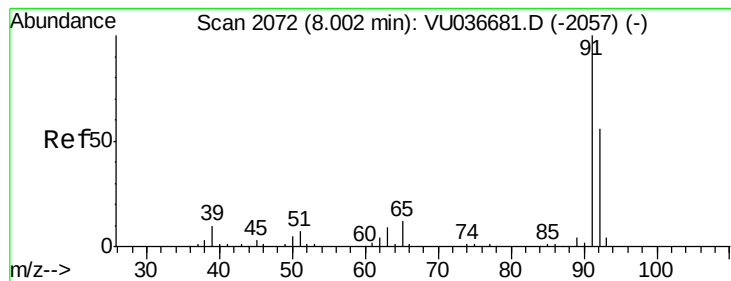
Tgt Ion: 75 Resp: 164594
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 100.899 ug/L
 RT: 7.83 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: VU036691.D
 Acq: 07 Feb 2020 09:43

Tgt Ion: 43 Resp: 321855
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.0 46.6
 100 14.5 11.4 17.2





#42

Toluene

Concen: 51.115 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VU036691.D

Acq: 07 Feb 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

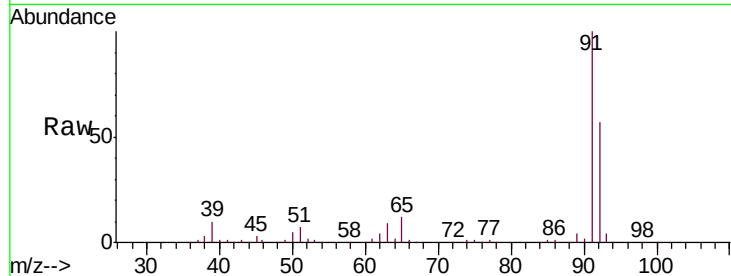
VSTD050108

Tgt Ion: 91 Resp: 413542

Ion Ratio Lower Upper

91 100

92 56.6 39.5 73.3



Abundance Ion 91.00 (90.70 to 91.70): VU036691.D (-2057) (-)

Ion 92.00 (91.70 to 92.70): VU036691.D (-2057) (-)

8.00

250000

200000

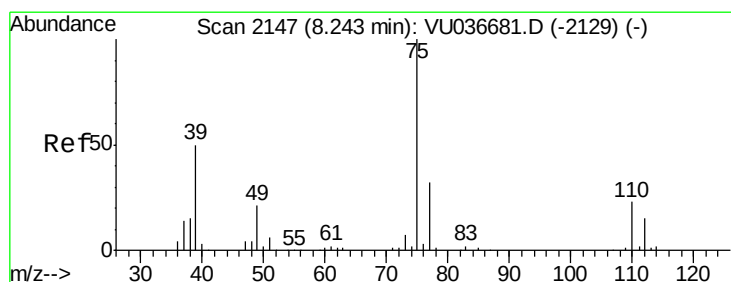
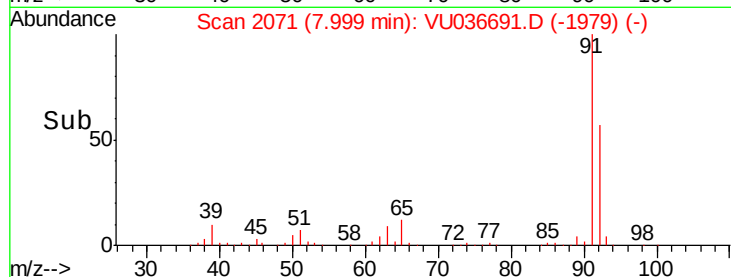
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.847 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. -0.00 min

Lab File: VU036691.D

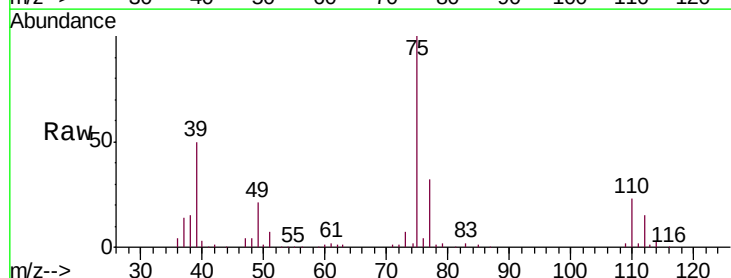
Acq: 07 Feb 2020 09:43

Tgt Ion: 75 Resp: 146112

Ion Ratio Lower Upper

75 100

77 31.7 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VU036691.D (-2129) (-)

Ion 77.00 (76.70 to 77.70): VU036691.D (-2129) (-)

8.24

100000

80000

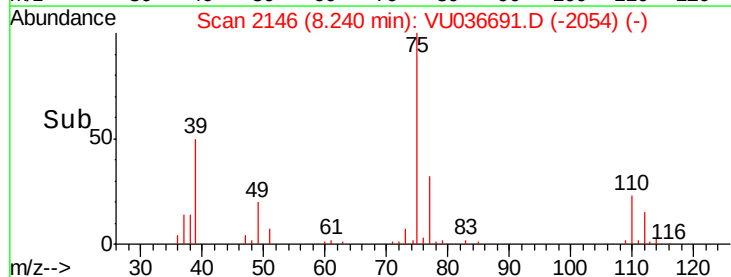
60000

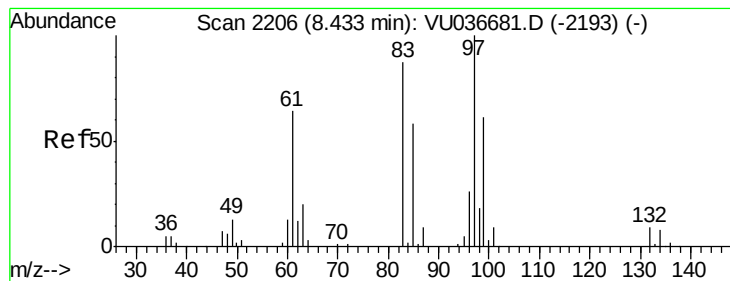
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 50.881 ug/L

RT: 8.43 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VU036691.D

Acq: 07 Feb 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD050108

Tgt Ion: 97 Resp: 93715

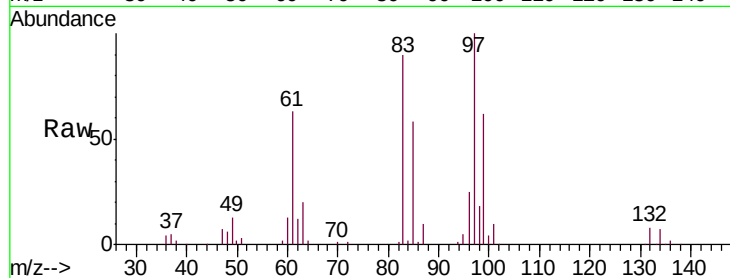
Ion Ratio Lower Upper

97 100

99 62.2 42.6 79.0

83 89.5 61.1 113.5

85 58.1 40.4 75.0

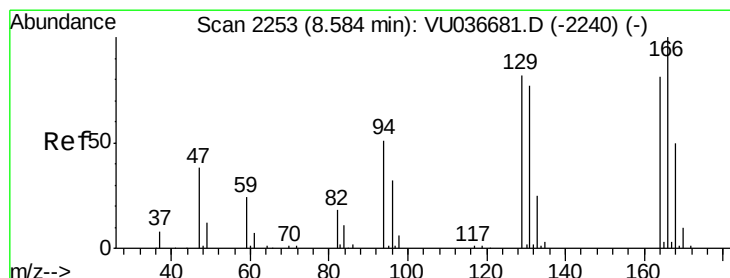
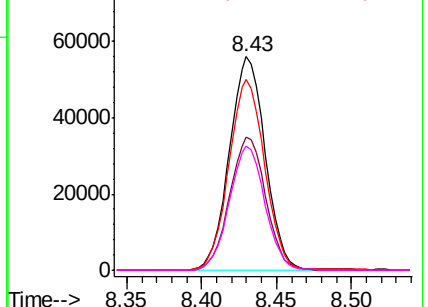
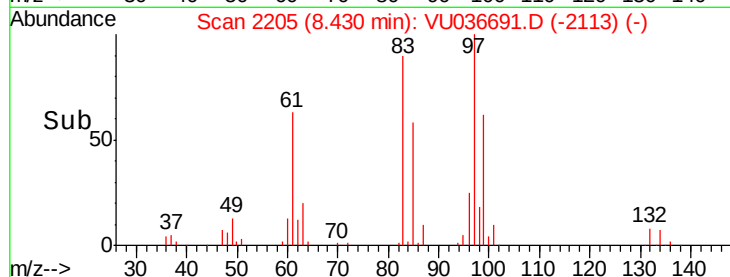


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 49.839 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU036691.D

Acq: 07 Feb 2020 09:43

Tgt Ion: 164 Resp: 64754

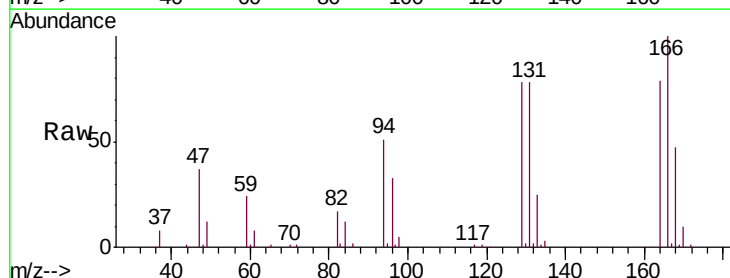
Ion Ratio Lower Upper

164 100

129 98.9 71.0 131.9

131 98.8 66.6 123.6

166 126.6 86.4 160.4

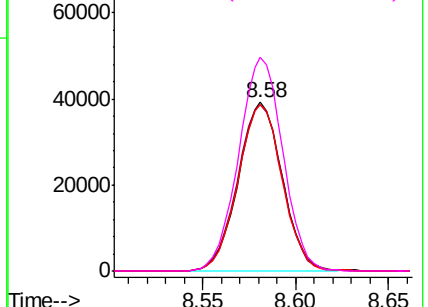
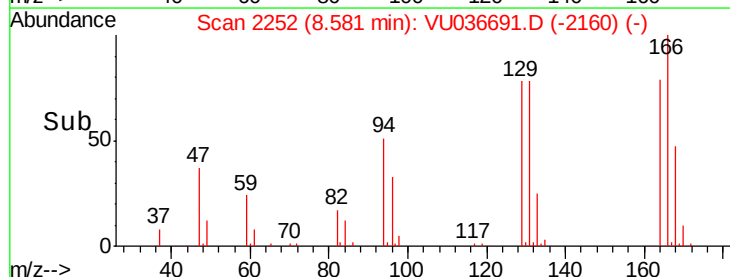


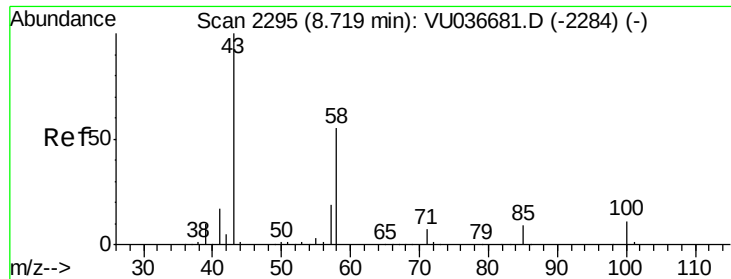
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

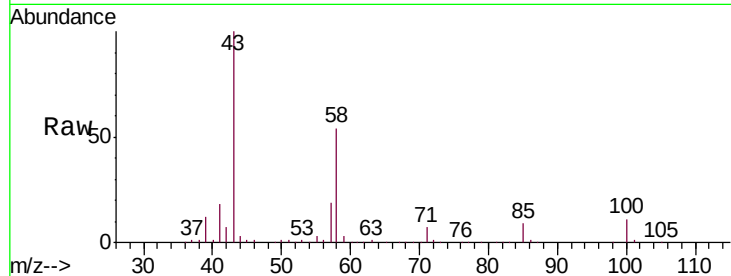




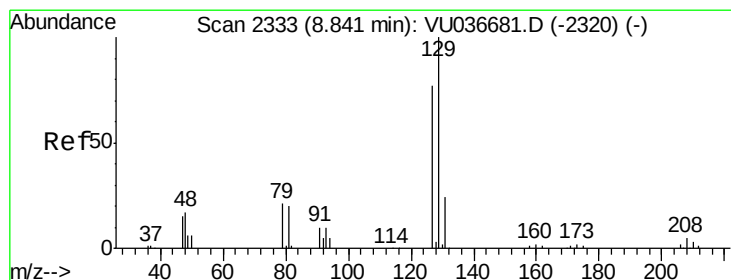
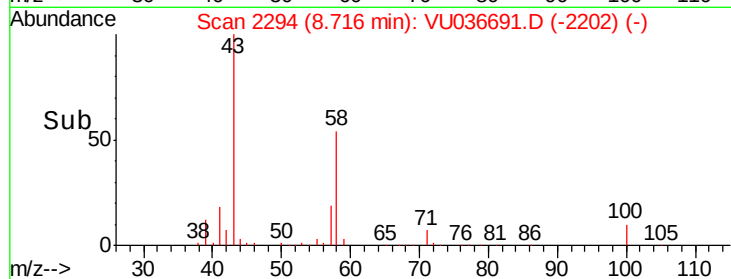
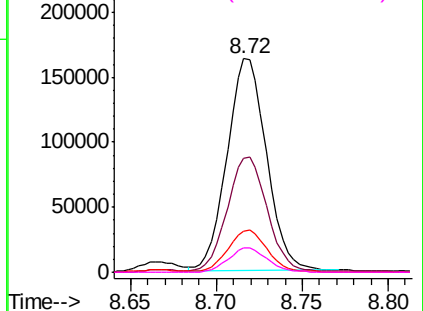
#48
2-Hexanone
Concen: 100.786 ug/L
RT: 8.72 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VU036691.D
Acq: 07 Feb 2020 09:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD050108

Tgt Ion: 43 Resp: 262258
Ion Ratio Lower Upper
43 100
58 55.5 43.6 65.4
57 19.5 15.5 23.3
100 11.4 9.0 13.4

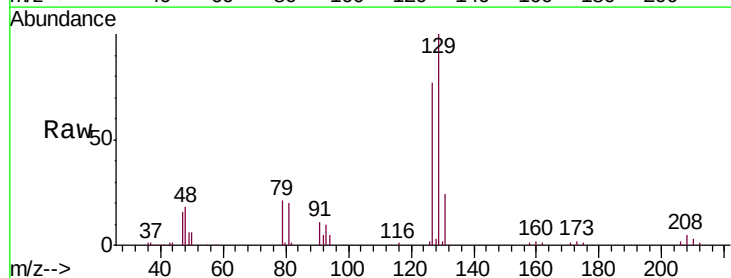


Abundance Ion 43.00 (42.70 to 43.70): VU036691.D (-2294) (-)
Ion 58.00 (57.70 to 58.70): VU036691.D (-2294) (-)
Ion 57.00 (56.70 to 57.70): VU036691.D (-2294) (-)
Ion 100.00 (99.70 to 100.70): VU036691.D (-2294) (-)

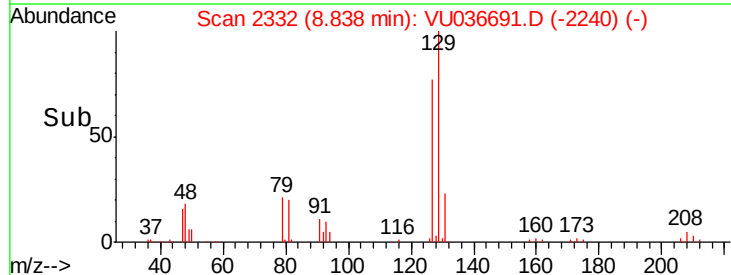
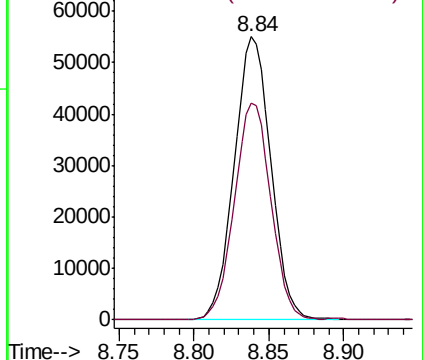


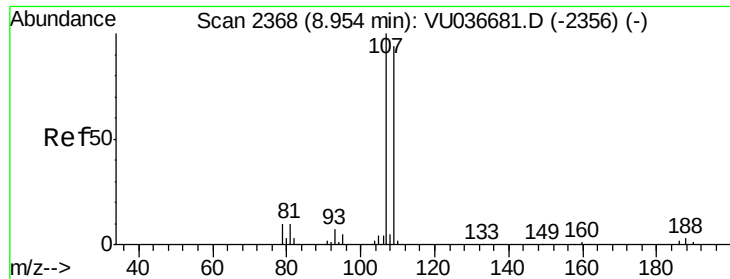
#49
Dibromochloromethane
Concen: 52.067 ug/L
RT: 8.84 min Scan# 2332
Delta R.T. -0.00 min
Lab File: VU036691.D
Acq: 07 Feb 2020 09:43

Tgt Ion: 129 Resp: 93798
Ion Ratio Lower Upper
129 100
127 76.7 53.6 99.6



Abundance Ion 129.00 (128.70 to 129.70): VU036691.D (-2332) (-)
Ion 127.00 (126.70 to 127.70): VU036691.D (-2332) (-)

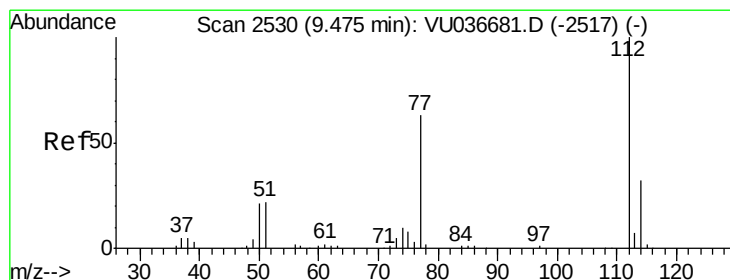
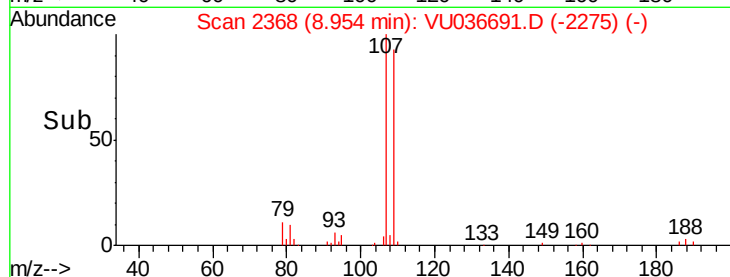
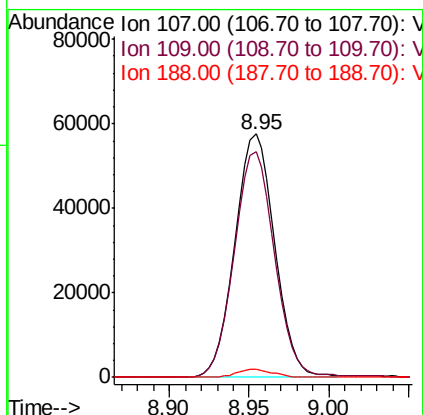
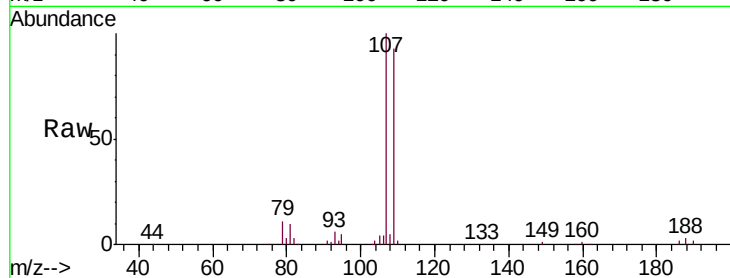




#50
 1,2-Dibromoethane
 Concen: 50.599 ug/L
 RT: 8.95 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VU036691.D
 Acq: 07 Feb 2020 09:43

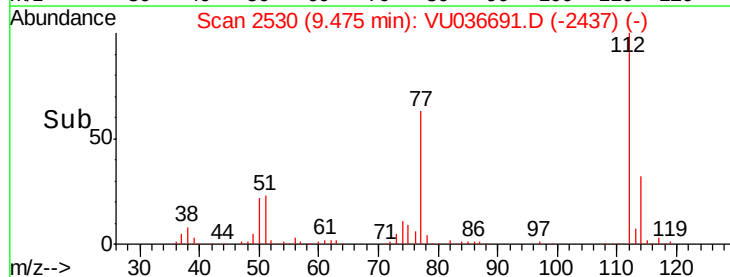
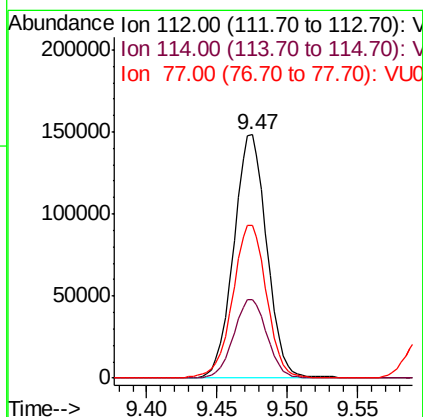
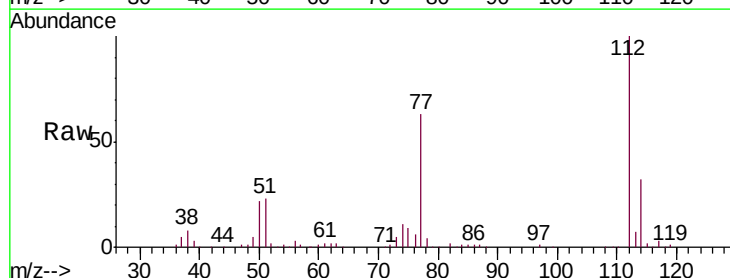
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050108

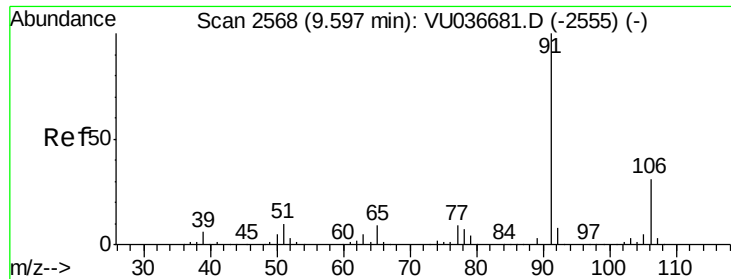
Tgt Ion:107 Resp: 97905
 Ion Ratio Lower Upper
 107 100
 109 92.6 65.8 122.2
 188 3.3 2.5 3.7



#51
 Chlorobenzene
 Concen: 50.018 ug/L
 RT: 9.47 min Scan# 2530
 Delta R.T. 0.00 min
 Lab File: VU036691.D
 Acq: 07 Feb 2020 09:43

Tgt Ion:112 Resp: 243667
 Ion Ratio Lower Upper
 112 100
 114 32.4 22.7 42.1
 77 62.8 50.6 75.8





#52

Ethylbenzene

Concen: 50.415 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036691.D

Acq: 07 Feb 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

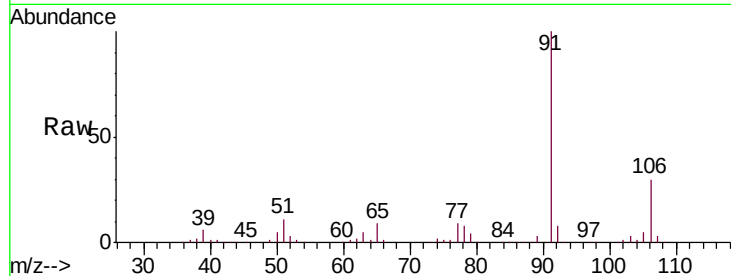
VSTD050108

Tgt Ion: 91 Resp: 448176

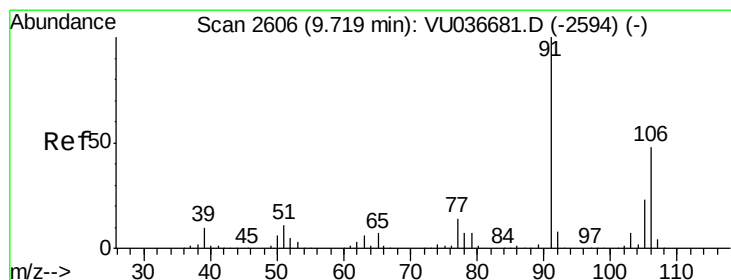
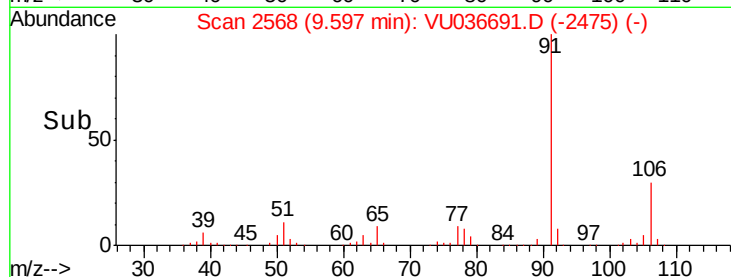
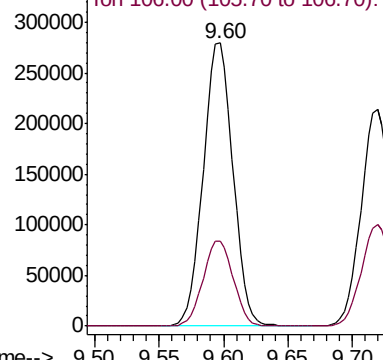
Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VU036691.D (-2555) (-)



#53

m,p-Xylene

Concen: 50.179 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036691.D

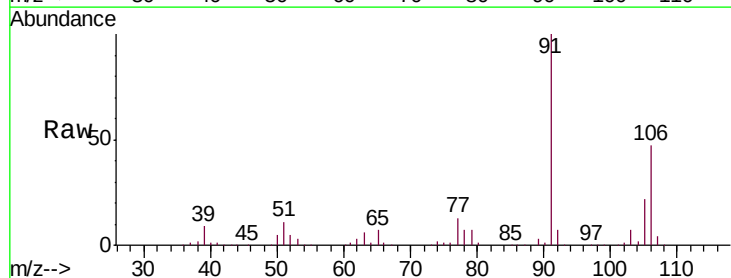
Acq: 07 Feb 2020 09:43

Tgt Ion: 106 Resp: 164558

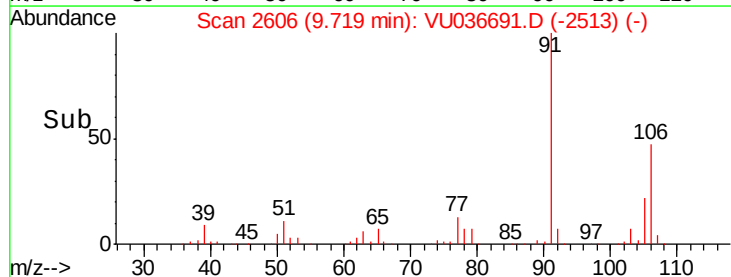
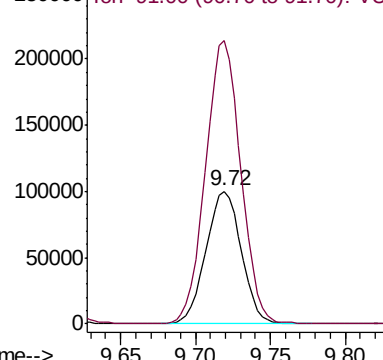
Ion Ratio Lower Upper

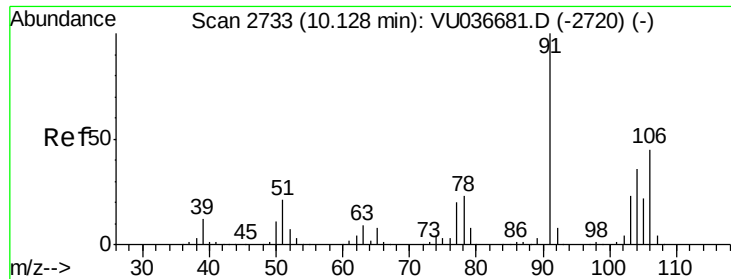
106 100

91 213.2 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VU036691.D (-2594) (-)





#54

o-xylene

Concen: 50.443 ug/L

RT: 10.12 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU036691.D

Acq: 07 Feb 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

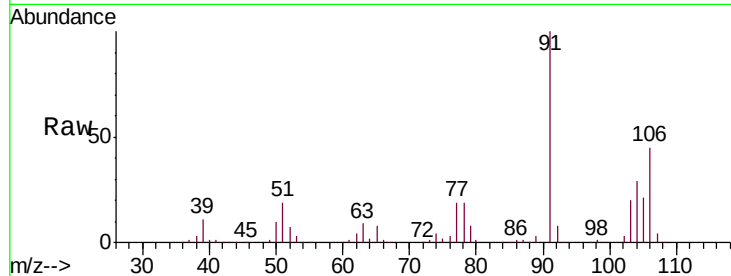
VSTD050108

Tgt Ion:106 Resp: 163876

Ion Ratio Lower Upper

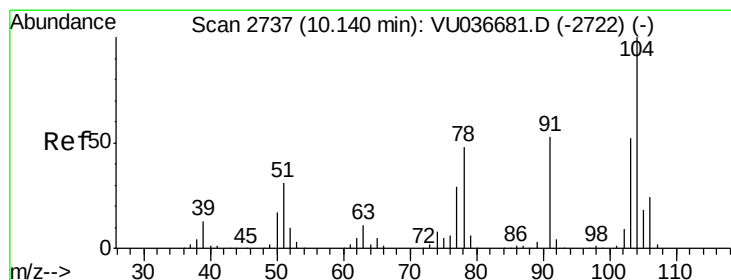
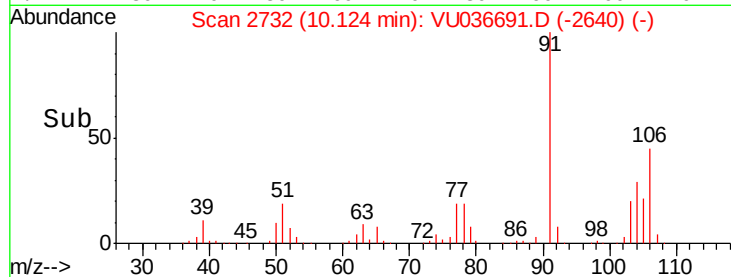
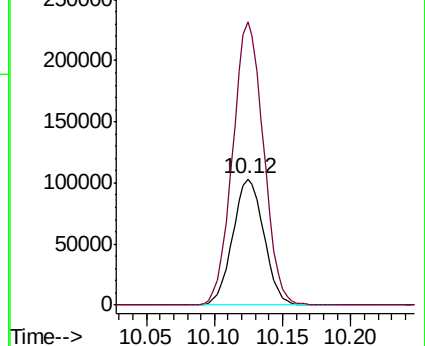
106 100

91 224.6 156.0 289.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.012 ug/L

RT: 10.14 min Scan# 2736

Delta R.T. -0.00 min

Lab File: VU036691.D

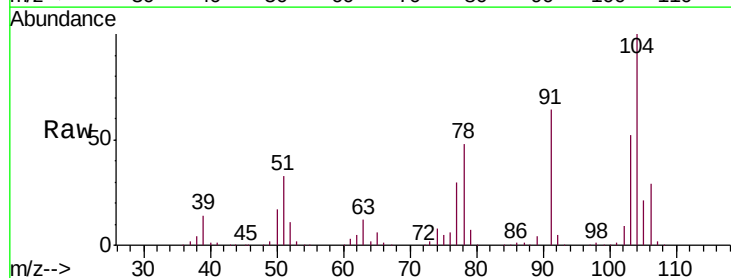
Acq: 07 Feb 2020 09:43

Tgt Ion:104 Resp: 276193

Ion Ratio Lower Upper

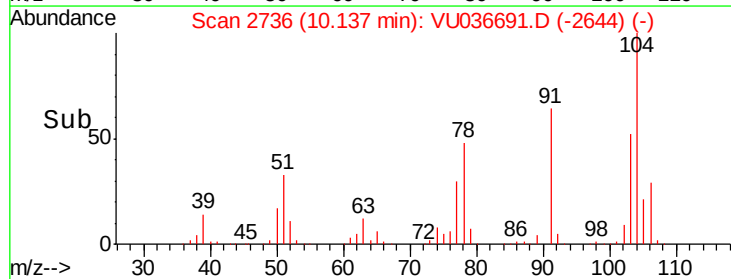
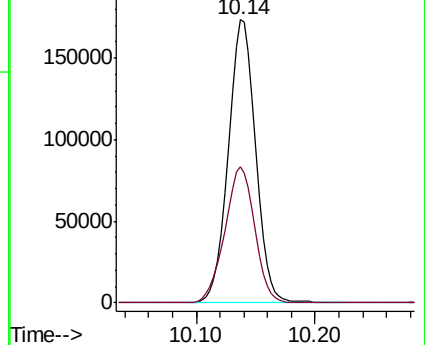
104 100

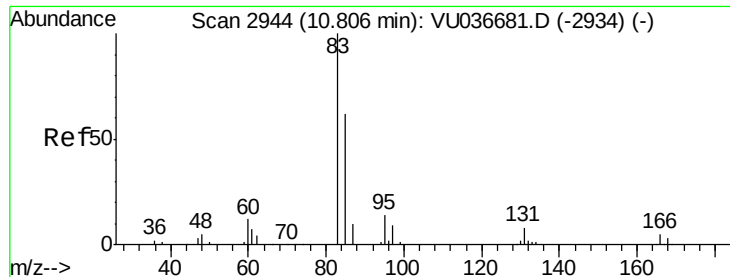
78 48.1 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

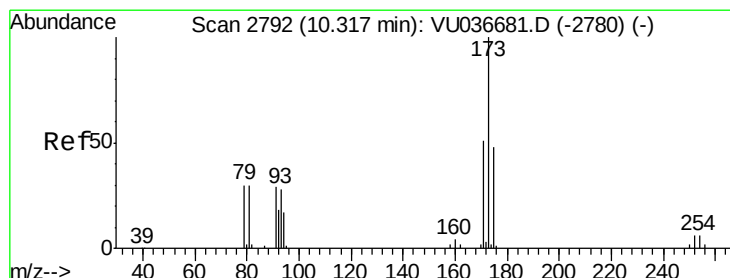
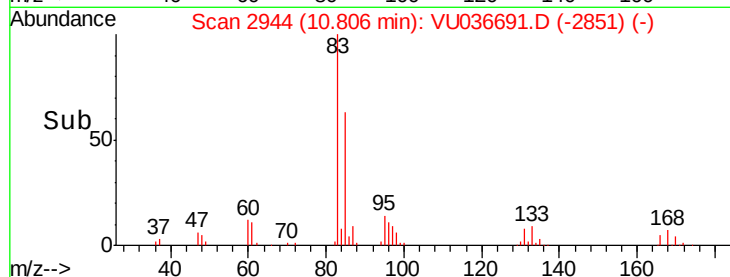
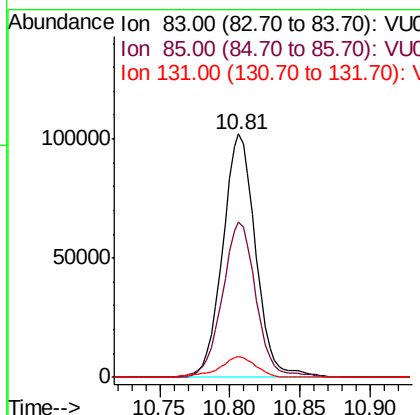
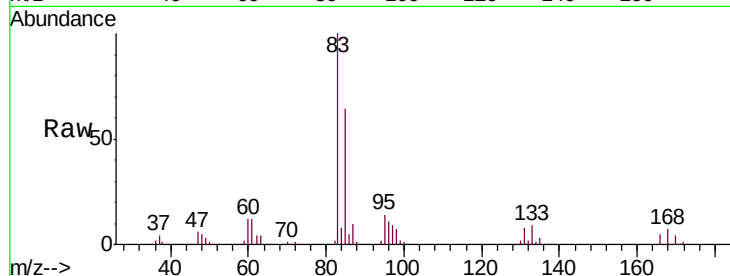




#57
 1,1,2,2-Tetrachloroethane
 Concen: 50.023 ug/L
 RT: 10.81 min Scan# 2944
 Delta R.T. 0.00 min
 Lab File: VU036691.D
 Acq: 07 Feb 2020 09:43

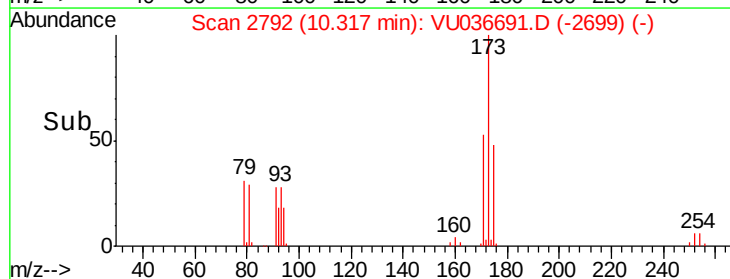
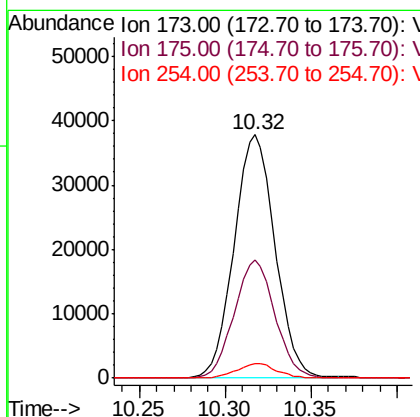
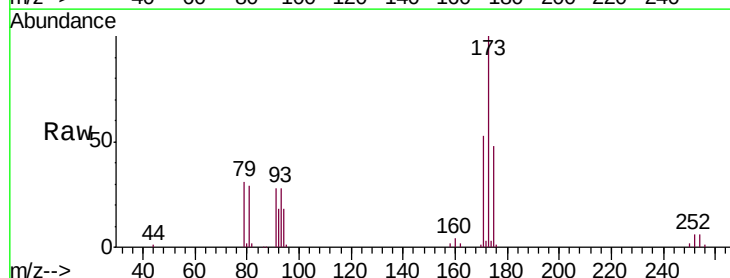
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050108

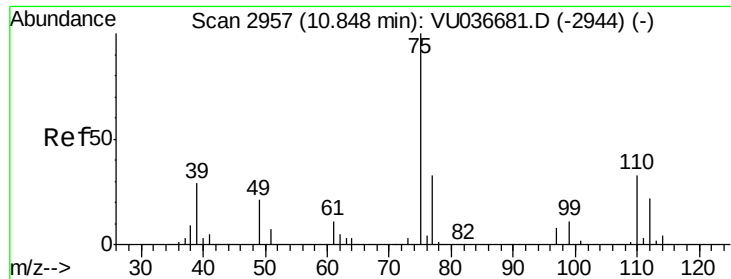
Tgt Ion: 83 Resp: 166020
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.7 82.9
 131 8.5 6.8 10.2



#59
 Bromoform
 Concen: 50.122 ug/L
 RT: 10.32 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VU036691.D
 Acq: 07 Feb 2020 09:43

Tgt Ion: 173 Resp: 62484
 Ion Ratio Lower Upper
 173 100
 175 48.2 38.2 57.4
 254 5.7 4.8 7.2

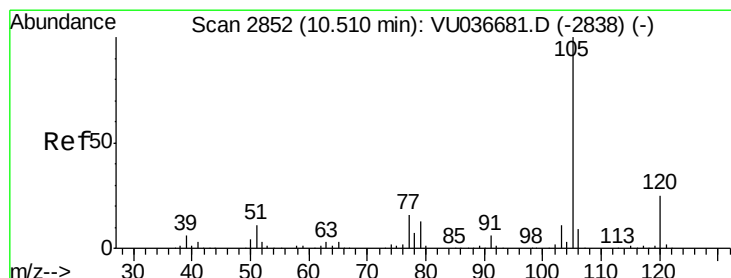
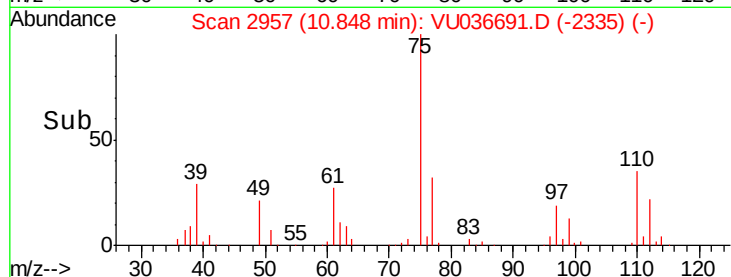
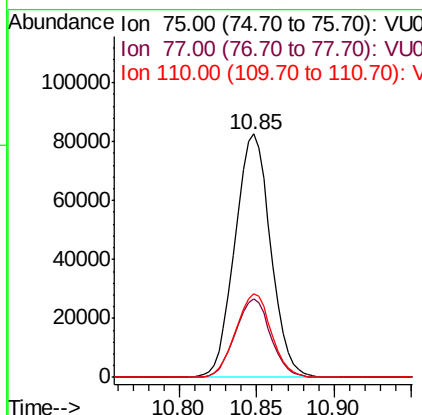
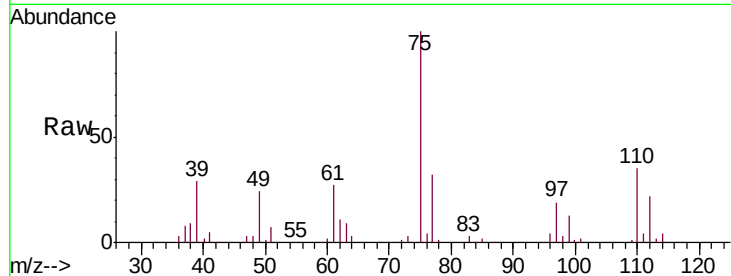




#60
1,2,3-Trichloropropane
Concen: 49.892 ug/L
RT: 10.85 min Scan# 2957
Delta R.T. 0.00 min
Lab File: VU036691.D
Acq: 07 Feb 2020 09:43

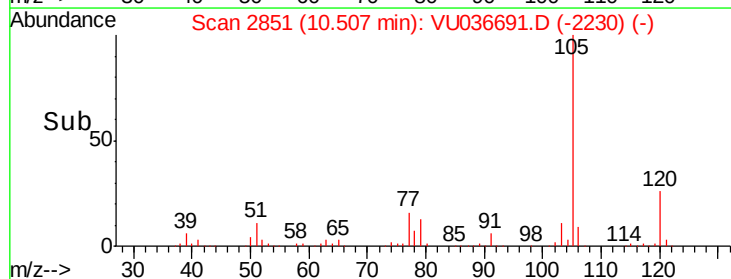
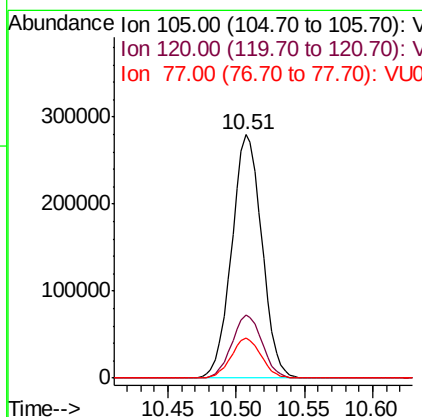
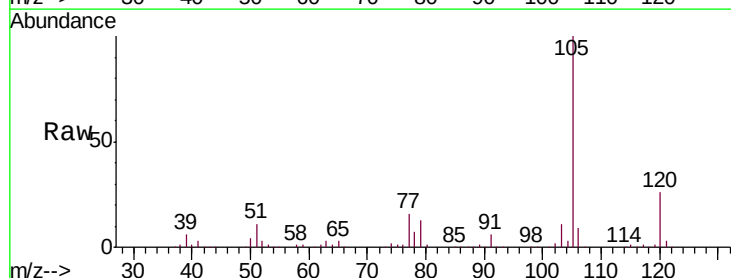
Instrument :
MSVOA_U
ClientSampleId :
VSTD050108

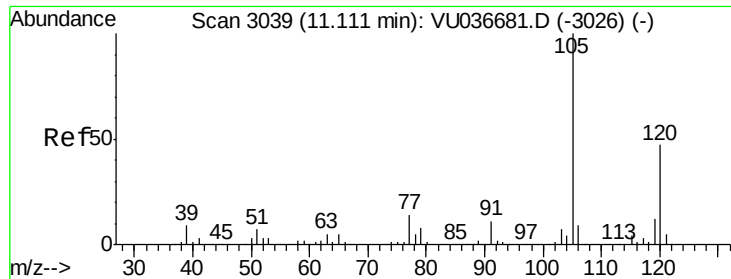
Tgt Ion: 75 Resp: 132425
Ion Ratio Lower Upper
75 100
77 32.0 26.1 39.1
110 34.4 26.9 40.3



#61
Isopropylbenzene
Concen: 51.166 ug/L
RT: 10.51 min Scan# 2851
Delta R.T. -0.00 min
Lab File: VU036691.D
Acq: 07 Feb 2020 09:43

Tgt Ion: 105 Resp: 429895
Ion Ratio Lower Upper
105 100
120 26.0 20.2 30.4
77 16.5 13.0 19.6





#62

1,3,5-Trimethylbenzene

Concen: 51.693 ug/L

RT: 11.11 min Scan# 3039

Delta R.T. 0.00 min

Lab File: VU036691.D

Acq: 07 Feb 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

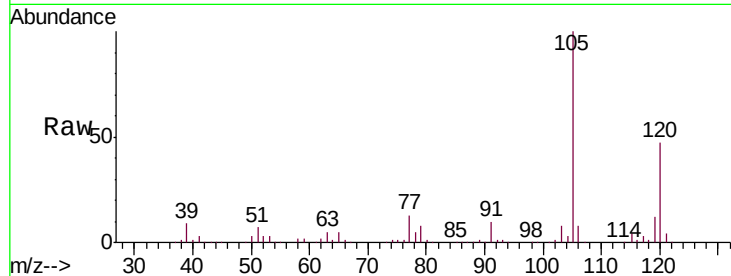
VSTD050108

Tgt Ion:105 Resp: 372375

Ion Ratio Lower Upper

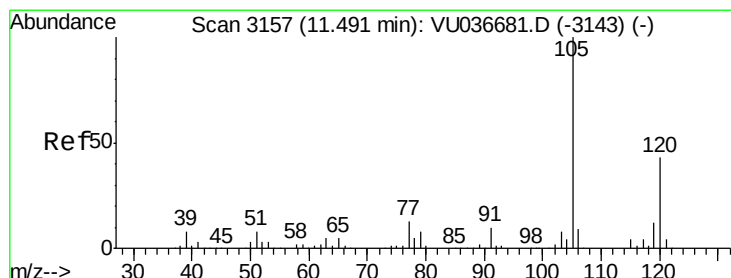
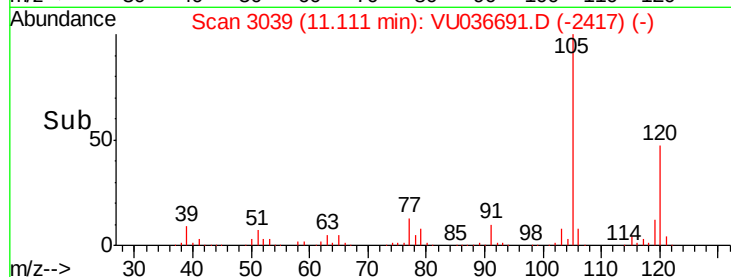
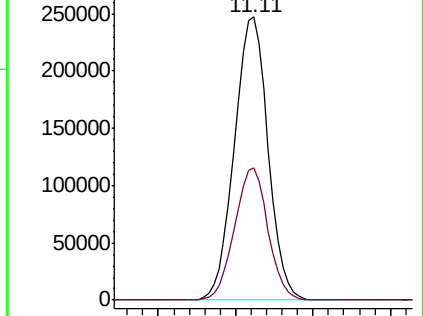
105 100

120 46.2 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: 50.963 ug/L

RT: 11.49 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU036691.D

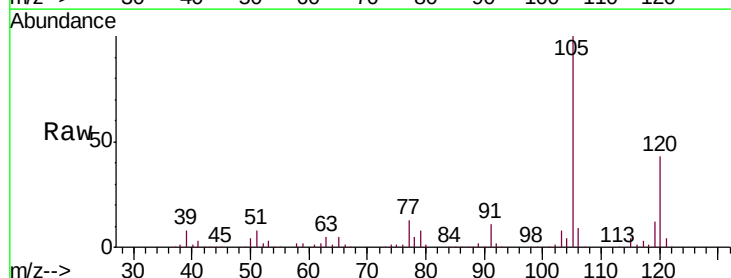
Acq: 07 Feb 2020 09:43

Tgt Ion:105 Resp: 366581

Ion Ratio Lower Upper

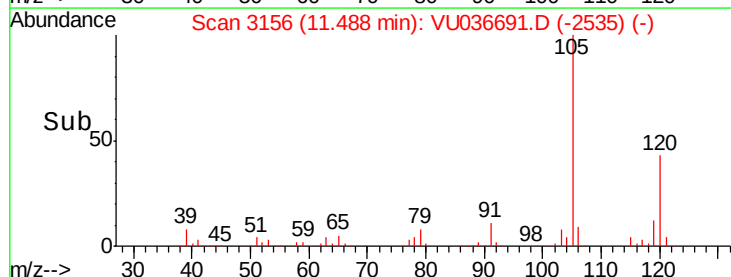
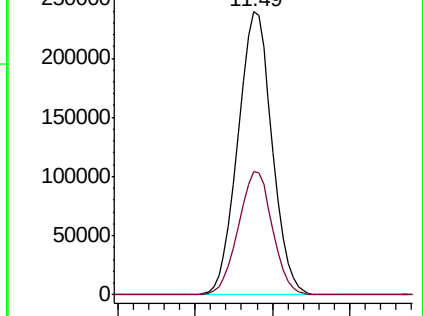
105 100

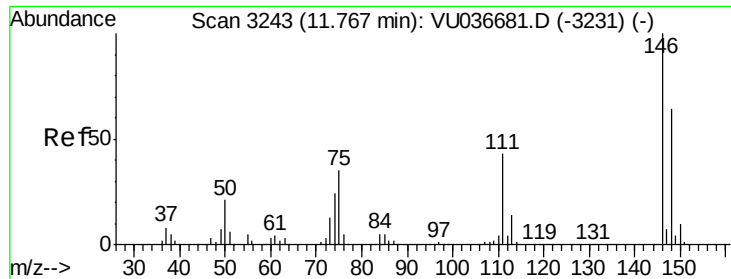
120 43.6 34.7 52.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

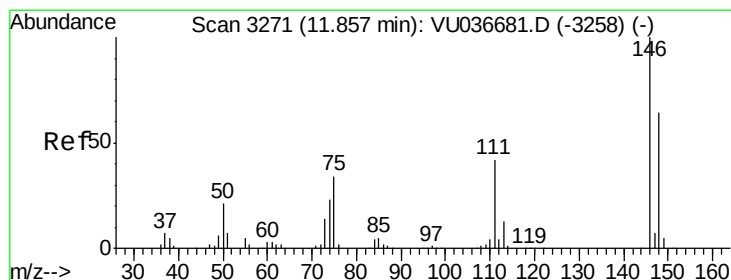
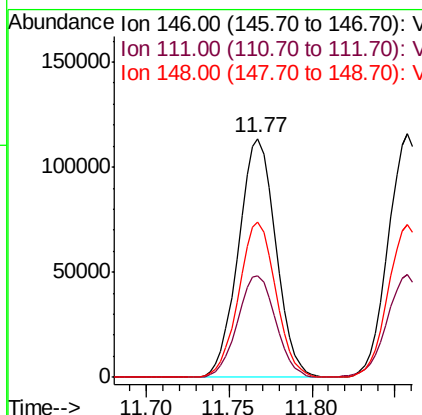
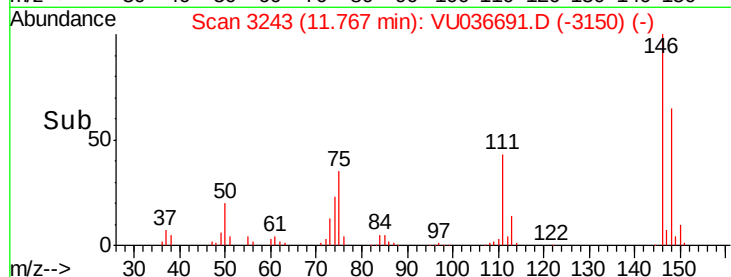
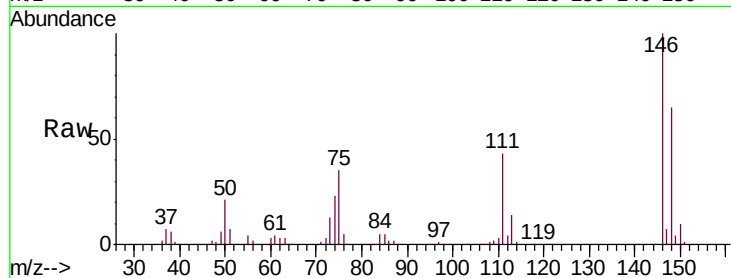




#64
 1,3-Dichlorobenzene
 Concen: 50.557 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: VU036691.D
 Acq: 07 Feb 2020 09:43

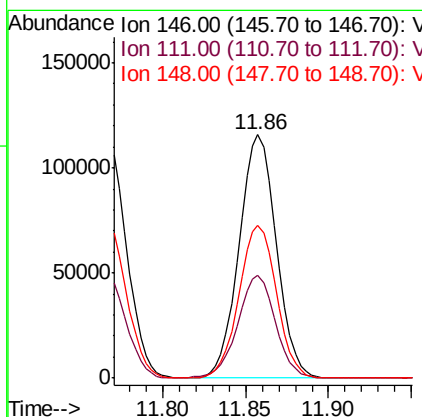
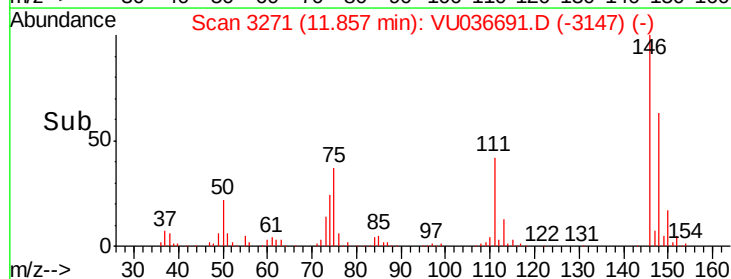
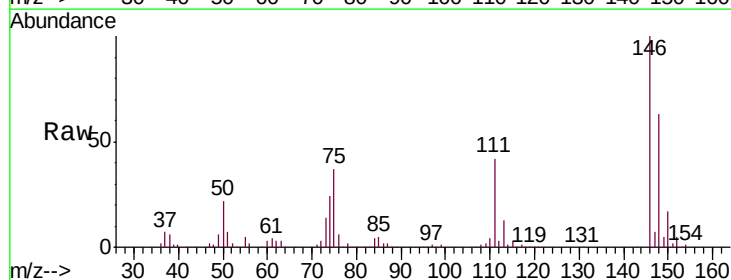
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050108

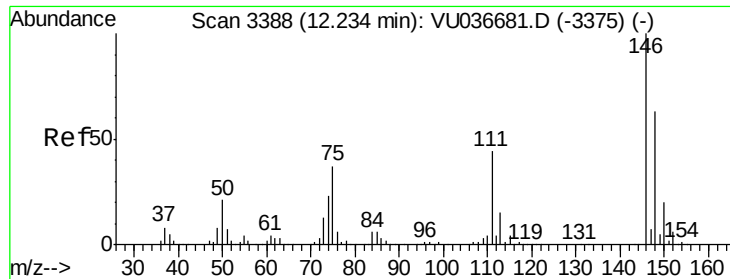
Tgt Ion:146 Resp: 178638
 Ion Ratio Lower Upper
 146 100
 111 42.8 30.4 56.4
 148 65.0 44.5 82.7



#65
 1,4-Dichlorobenzene
 Concen: 50.796 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. 0.00 min
 Lab File: VU036691.D
 Acq: 07 Feb 2020 09:43

Tgt Ion:146 Resp: 180697
 Ion Ratio Lower Upper
 146 100
 111 42.0 29.3 54.3
 148 62.8 44.8 83.2

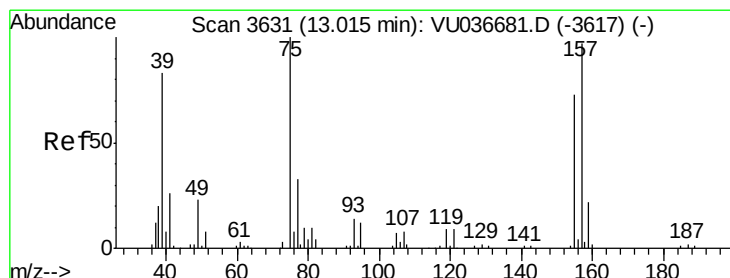
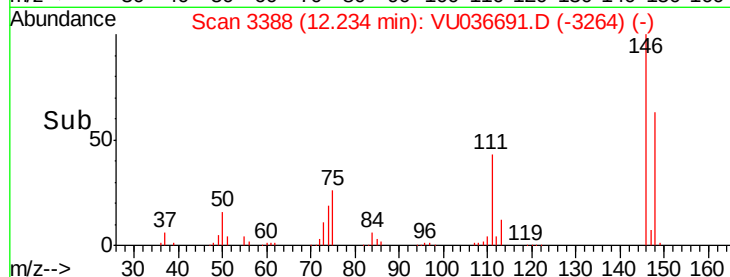
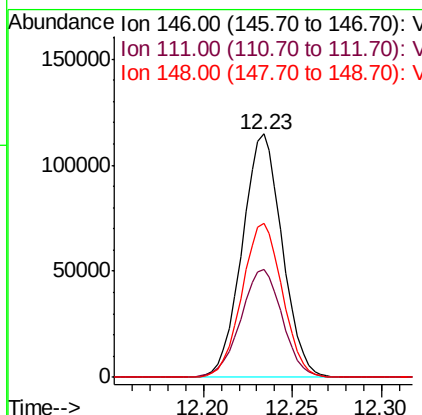
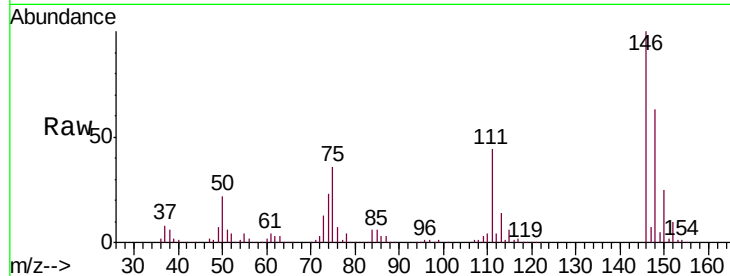




#67
 1,2-Dichlorobenzene
 Concen: 50.327 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036691.D
 Acq: 07 Feb 2020 09:43

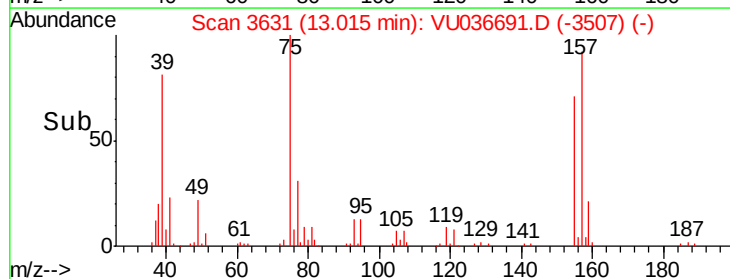
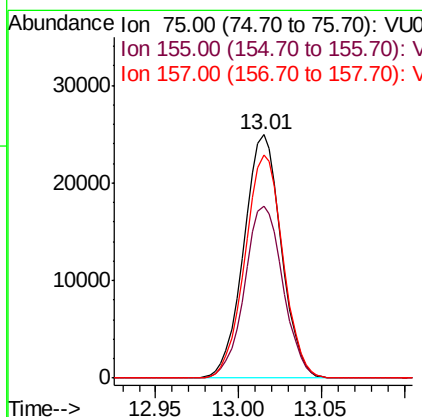
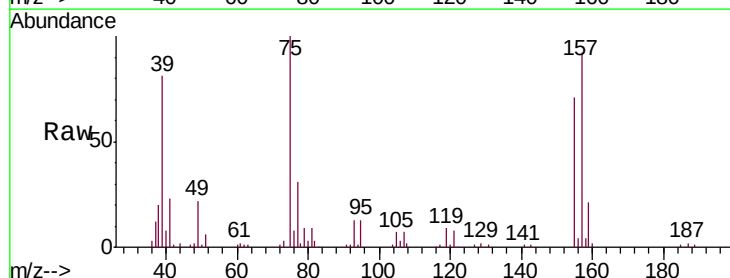
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050108

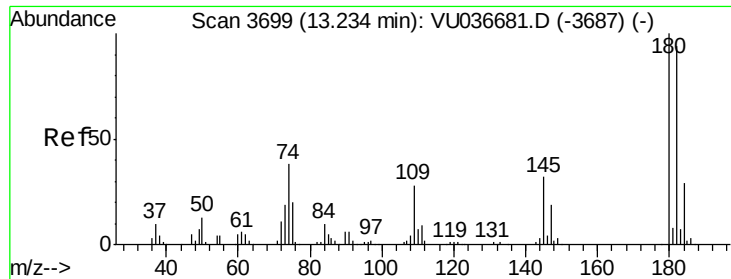
Tgt Ion: 146 Resp: 180042
 Ion Ratio Lower Upper
 146 100
 111 44.2 35.4 53.0
 148 63.2 50.4 75.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 51.691 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VU036691.D
 Acq: 07 Feb 2020 09:43

Tgt Ion: 75 Resp: 39208
 Ion Ratio Lower Upper
 75 100
 155 70.5 58.7 88.1
 157 91.6 77.8 116.6





#69

1,3,5-Trichlorobenzene

Concen: 51.910 ug/L

RT: 13.23 min Scan# 3699

Delta R.T. 0.00 min

Lab File: VU036691.D

Acq: 07 Feb 2020 09:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD050108

Tgt Ion:180 Resp: 127187

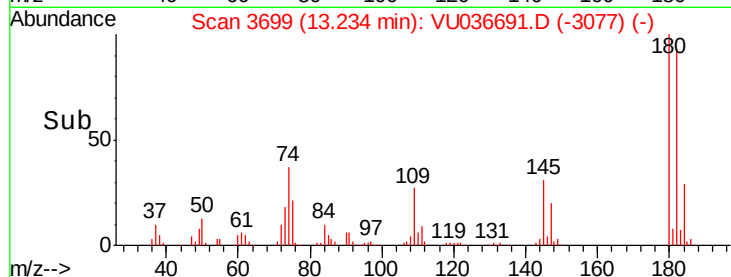
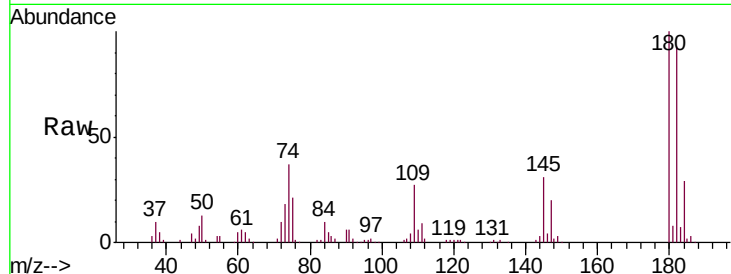
Ion Ratio Lower Upper

180 100

182 94.6 76.2 114.4

184 29.5 23.8 35.6

145 31.6 25.0 37.6

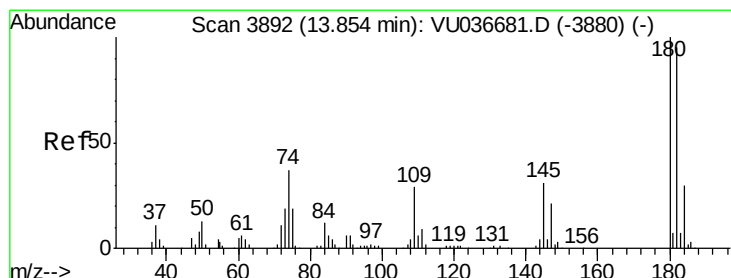
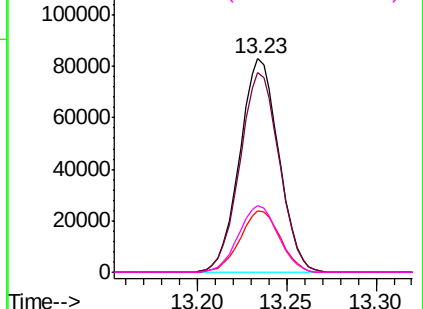


Abundance Ion 180.00 (179.70 to 180.70): V

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: 54.122 ug/L

RT: 13.85 min Scan# 3892

Delta R.T. 0.00 min

Lab File: VU036691.D

Acq: 07 Feb 2020 09:43

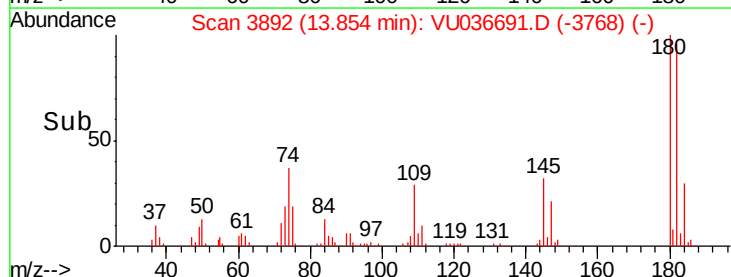
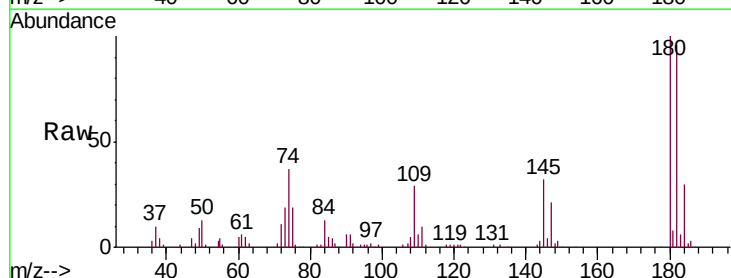
Tgt Ion:180 Resp: 110576

Ion Ratio Lower Upper

180 100

182 95.4 76.1 114.1

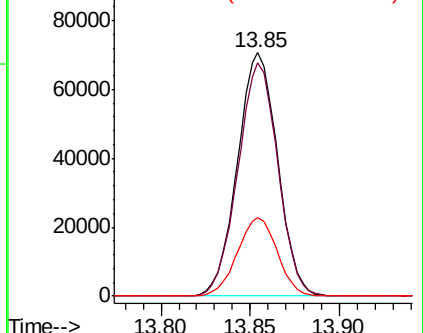
145 31.9 25.7 38.5

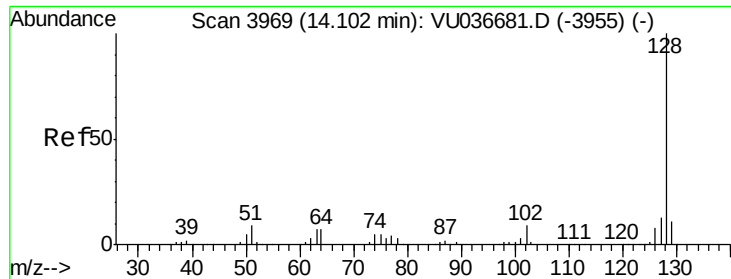


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

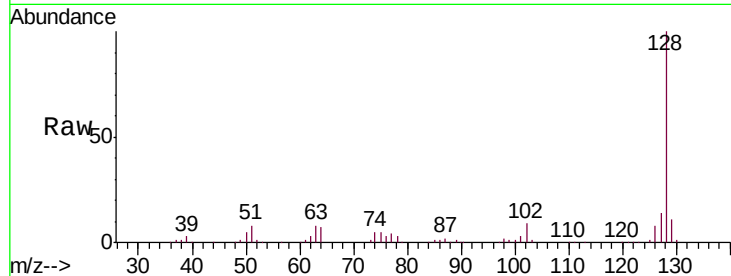




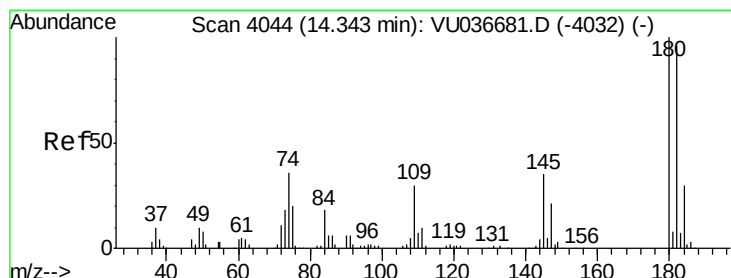
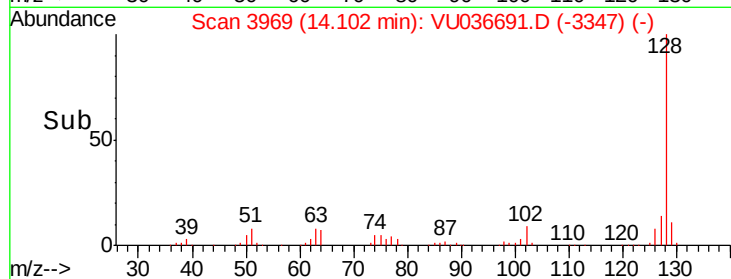
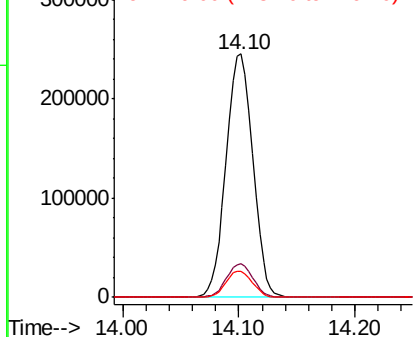
#71
Naphthalene
Concen: 54.331 ug/L
RT: 14.10 min Scan# 3969
Delta R.T. 0.00 min
Lab File: VU036691.D
Acq: 07 Feb 2020 09:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD050108

Tgt Ion:128 Resp: 391280
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 10.7 8.5 12.7

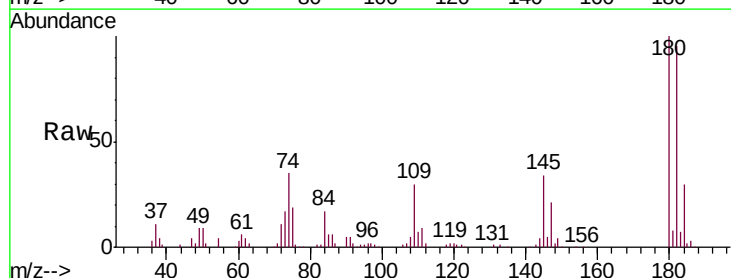


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 53.869 ug/L
RT: 14.34 min Scan# 4044
Delta R.T. 0.00 min
Lab File: VU036691.D
Acq: 07 Feb 2020 09:43

Tgt Ion:180 Resp: 109649
Ion Ratio Lower Upper
180 100
182 94.7 76.8 115.2
145 34.0 27.5 41.3



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

