

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021020\
 Data File : VU036713.D
 Acq On : 10 Feb 2020 16:41
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 11 03:36:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 11 03:31:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	263303	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	247955	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	115445	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	67231	38.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.58%
7) Chloroethane-d5	1.93	69	66979	41.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.28%
11) 1,1-Dichloroethene-d2	2.60	63	142466	42.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.94%
21) 2-Butanone-d5	4.68	46	143308	95.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.66%
24) Chloroform-d	5.11	84	148646	46.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.54%
26) 1,2-Dichloroethane-d4	5.75	65	99094	45.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.18%
32) Benzene-d6	5.77	84	291252	44.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.36%
36) 1,2-Dichloropropane-d6	6.73	67	100672	46.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.04%
41) Toluene-d8	7.93	98	266773	44.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.38%
43) trans-1,3-Dichloropropene-	8.21	79	47131	45.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.98%
47) 2-Hexanone-d5	8.67	63	121996	98.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.78%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	158098	49.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.16%
66) 1,2-Dichlorobenzene-d4	12.21	152	95226	45.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	88630	48.720	ug/L 99
3) Chloromethane	1.54	50	105696	49.030	ug/L 99
5) Vinyl chloride	1.62	62	114861	49.484	ug/L 99
6) Bromomethane	1.87	94	69602	47.823	ug/L 98
8) Chloroethane	1.95	64	73391	49.817	ug/L 96
9) Trichlorofluoromethane	2.16	101	136177	49.371	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	82324	49.830	ug/L 98
12) 1,1-Dichloroethene	2.61	96	81210	50.492	ug/L 98
13) Acetone	2.66	43	149682	94.054	ug/L 99
14) Carbon disulfide	2.82	76	234700	48.830	ug/L 99
15) Methyl Acetate	2.99	43	117726	51.168	ug/L 99
16) Methylene chloride	3.08	84	100042	50.394	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	86556	50.578	ug/L 96
18) Methyl tert-butyl Ether	3.41	73	296264	49.880	ug/L 100
19) 1,1-Dichloroethane	3.92	63	172226	50.509	ug/L 98
20) cis-1,2-Dichloroethene	4.72	96	100145	51.358	ug/L 99
22) 2-Butanone	4.76	43	182831	96.796	ug/L 98

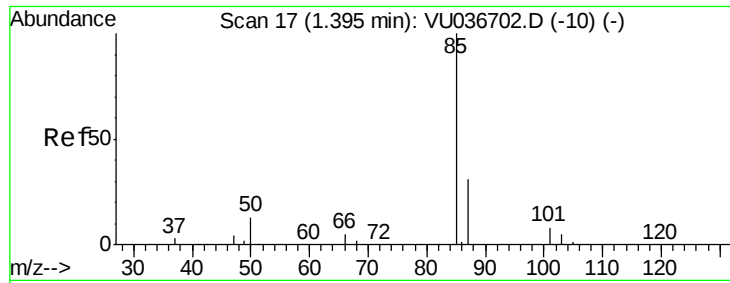
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021020\
 Data File : VU036713.D
 Acq On : 10 Feb 2020 16:41
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 11 03:36:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 11 03:31:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	45939	50.276	ug/L	99
25) Chloroform	5.14	83	169036	50.973	ug/L	97
27) 1,2-Dichloroethane	5.84	62	138857	49.791	ug/L	99
29) Cyclohexane	5.43	56	154758	48.589	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	132896	50.456	ug/L	99
31) Carbon tetrachloride	5.57	117	106351	49.867	ug/L	99
33) Benzene	5.82	78	383388	51.120	ug/L	100
34) Trichloroethene	6.58	95	94493	50.951	ug/L	98
35) Methylcyclohexane	6.80	83	161451	49.433	ug/L	100
37) 1,2-Dichloropropane	6.83	63	104971	51.906	ug/L	99
38) Bromodichloromethane	7.14	83	124906	50.825	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	162795	50.381	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	325859	101.983	ug/L	99
42) Toluene	8.00	91	414130	51.102	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	142152	50.358	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	93817	50.851	ug/L	98
46) Tetrachloroethene	8.58	164	63246	48.597	ug/L	99
48) 2-Hexanone	8.72	43	259151	99.425	ug/L	100
49) Dibromochloromethane	8.84	129	90608	50.213	ug/L	98
50) 1,2-Dibromoethane	8.95	107	98085	50.607	ug/L	100
51) Chlorobenzene	9.47	112	243694	49.940	ug/L	100
52) Ethylbenzene	9.60	91	450033	50.539	ug/L	100
53) m,p-Xylene	9.72	106	165937	50.515	ug/L	99
54) o-xylene	10.13	106	163619	50.280	ug/L	98
55) Styrene	10.14	104	278227	51.301	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.81	83	171318	51.533	ug/L	100
59) Bromoform	10.32	173	63905	50.104	ug/L	100
60) 1,2,3-Trichloropropane	10.85	75	136393	50.226	ug/L	98
61) Isopropylbenzene	10.51	105	432314	50.291	ug/L	100
62) 1,3,5-Trimethylbenzene	11.11	105	371437	50.398	ug/L	100
63) 1,2,4-Trimethylbenzene	11.49	105	369102	50.154	ug/L	100
64) 1,3-Dichlorobenzene	11.77	146	180669	49.976	ug/L	99
65) 1,4-Dichlorobenzene	11.86	146	178135	48.944	ug/L	99
67) 1,2-Dichlorobenzene	12.23	146	181954	49.712	ug/L	99
68) 1,2-Dibromo-3-chloropropan	13.01	75	38362	49.433	ug/L	97
69) 1,3,5-Trichlorobenzene	13.23	180	121945	48.645	ug/L	100
70) 1,2,4-trichlorobenzene	13.85	180	101498	48.556	ug/L	99
71) Naphthalene	14.10	128	366697	49.767	ug/L	100
72) 1,2,3-Trichlorobenzene	14.34	180	99587	47.820	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 48.720 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036713.D

Acq: 10 Feb 2020 16:41

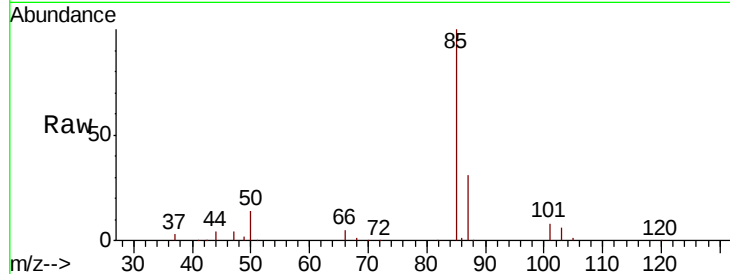
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 88630

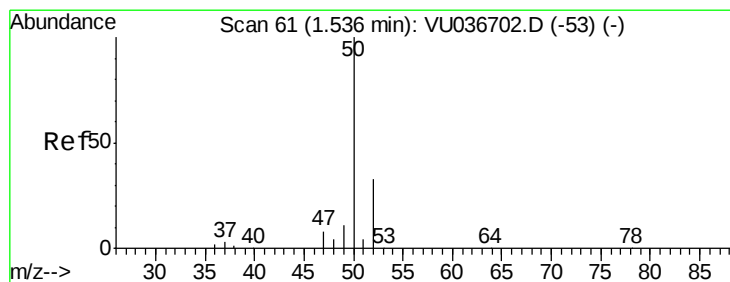
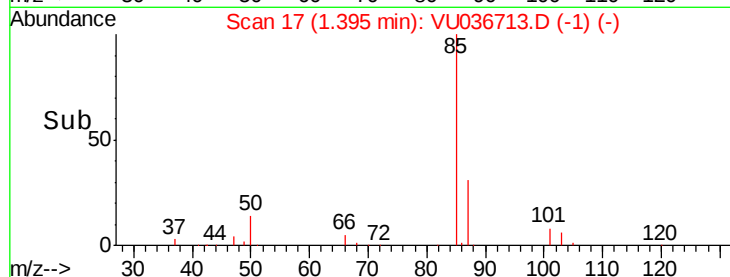
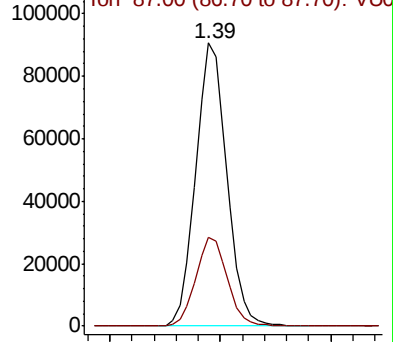
Ion Ratio Lower Upper

85 100

87 31.7 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU036713.D (-1) (-)



#3

Chloromethane

Concen: 49.030 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036713.D

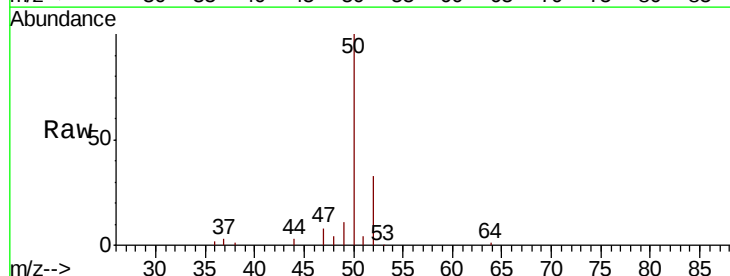
Acq: 10 Feb 2020 16:41

Tgt Ion: 50 Resp: 105696

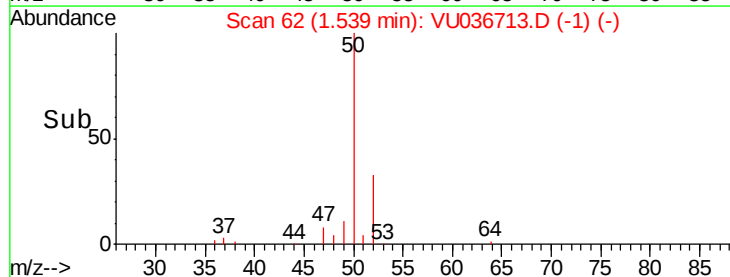
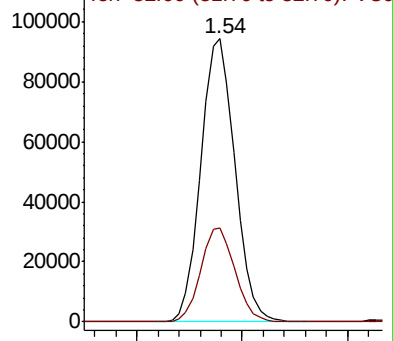
Ion Ratio Lower Upper

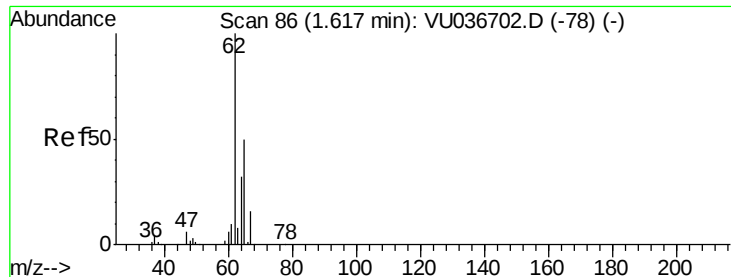
50 100

52 33.1 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU036713.D (-1) (-)





#5

Vinyl chloride

Concen: 49.484 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036713.D

Acq: 10 Feb 2020 16:41

Instrument :

MSVOA_U

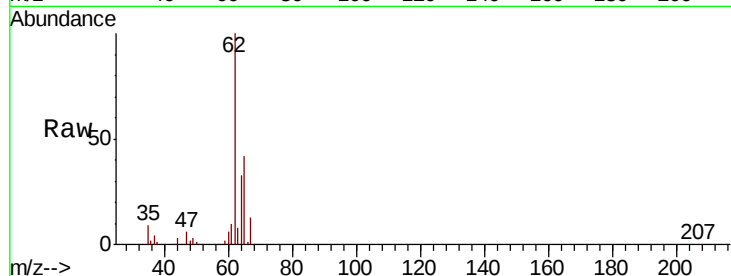
ClientSampleId :

Tot Ion: 62 Resp: 114861

Ion Ratio Lower Upper

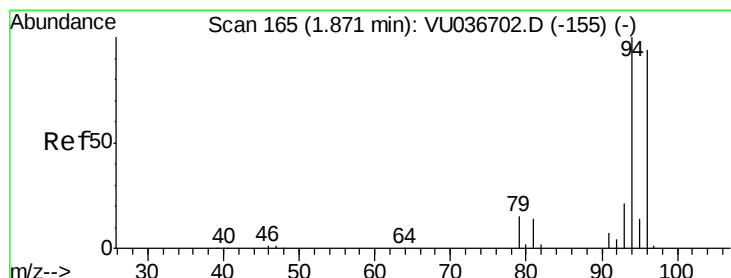
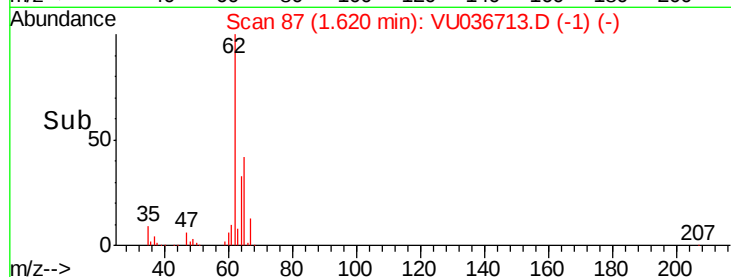
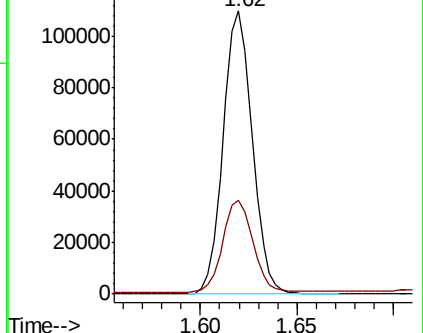
62 100

64 33.2 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU036713.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU036713.D (-1) (-)



#6

Bromomethane

Concen: 47.823 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU036713.D

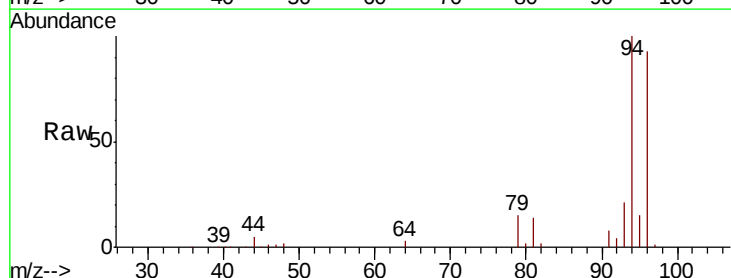
Acq: 10 Feb 2020 16:41

Tgt Ion: 94 Resp: 69602

Ion Ratio Lower Upper

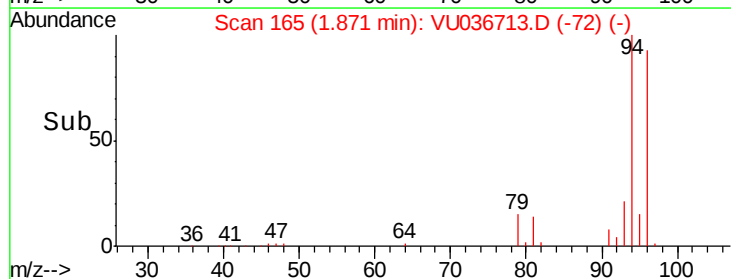
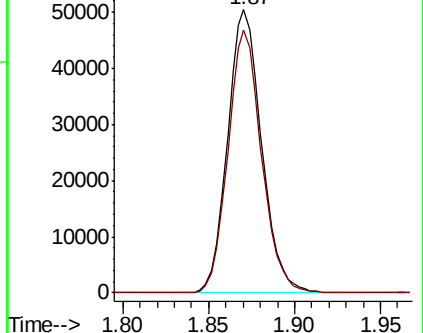
94 100

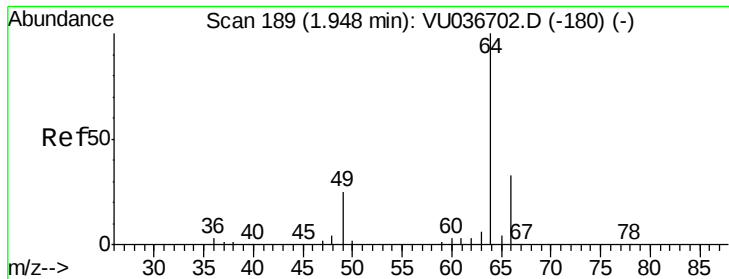
96 92.7 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU036713.D (-72) (-)

Ion 96.00 (95.70 to 96.70): VU036713.D (-72) (-)





#8

Chloroethane

Concen: 49.817 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU036713.D

Acq: 10 Feb 2020 16:41

Instrument :

MSVOA_U

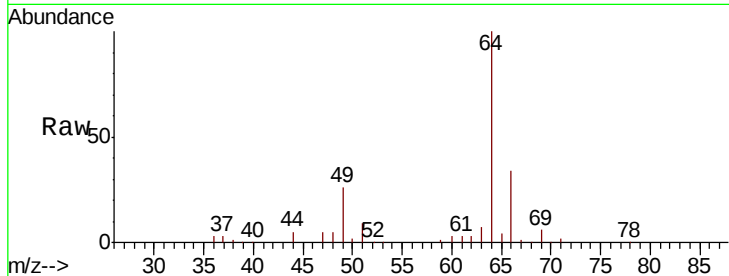
ClientSampleId :

Tot Ion: 64 Resp: 73391

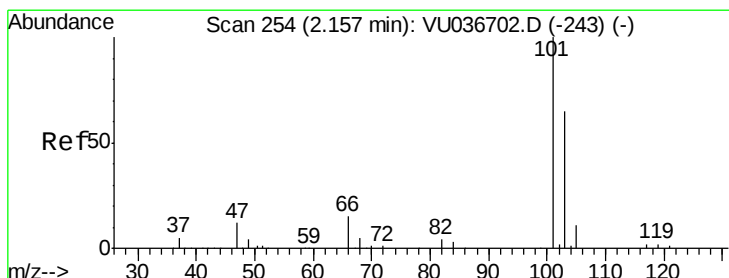
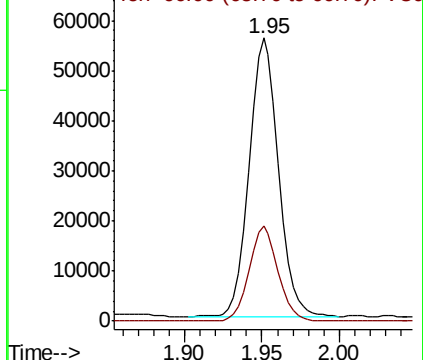
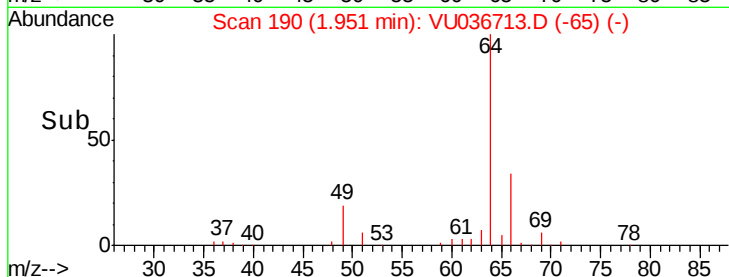
Ion Ratio Lower Upper

64 100

66 33.5 22.1 41.1



Abundance Ion 64.00 (63.70 to 64.70): VU036713.D (-65) (-)



#9

Trichlorofluoromethane

Concen: 49.371 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU036713.D

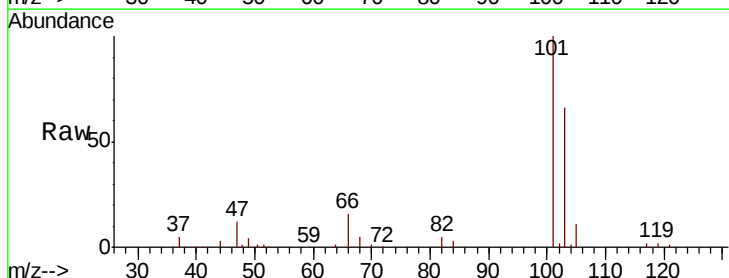
Acq: 10 Feb 2020 16:41

Tgt Ion: 101 Resp: 136177

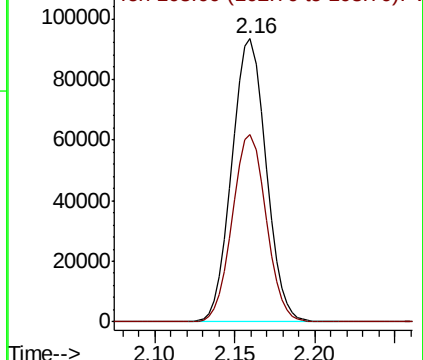
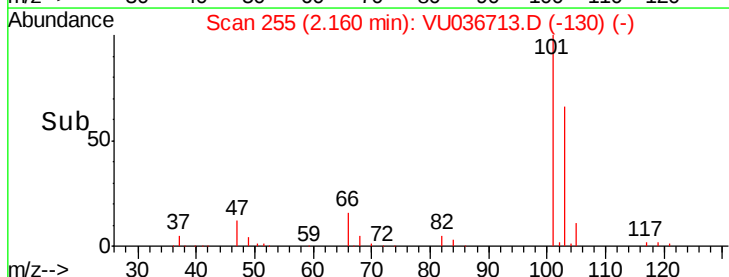
Ion Ratio Lower Upper

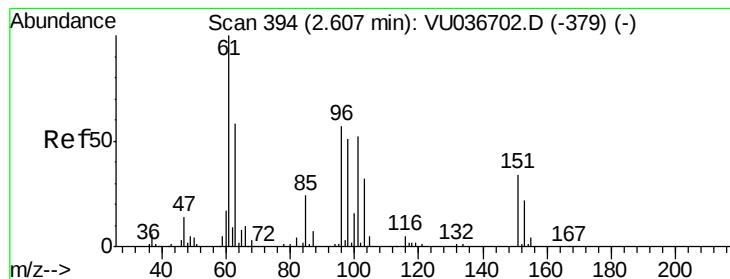
101 100

103 65.3 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VU036713.D (-130) (-)





#10

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

Concen: 49.830 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036713.D

Acq: 10 Feb 2020 16:41

Instrument :

MSVOA_U

ClientSampleId :

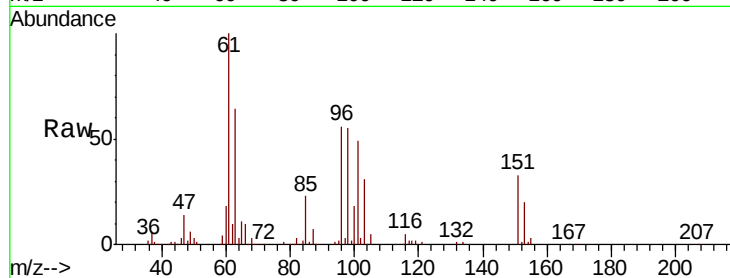
Tot Ion:101 Resp: 82324

Ion Ratio Lower Upper

101 100

85 46.0 36.5 54.7

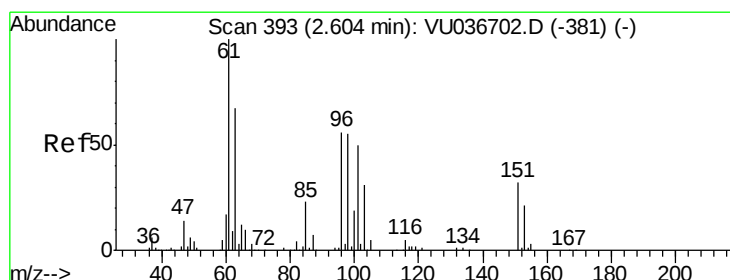
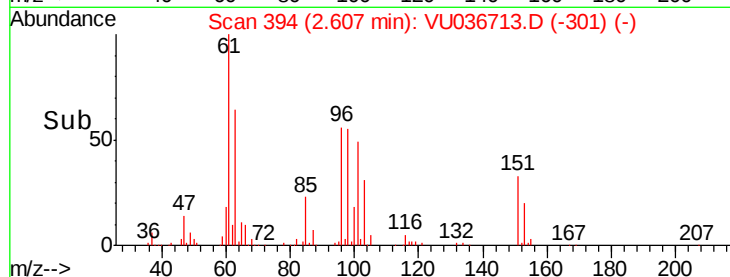
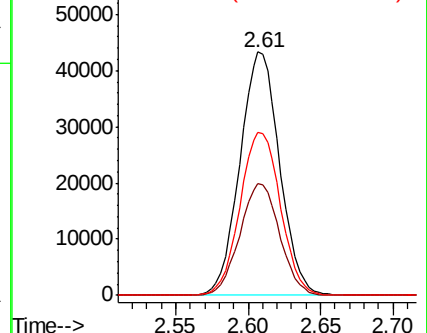
151 68.3 52.6 78.8



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: 50.492 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036713.D

Acq: 10 Feb 2020 16:41

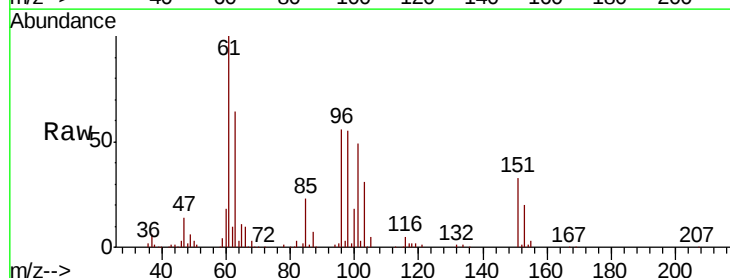
Tgt Ion: 96 Resp: 81210

Ion Ratio Lower Upper

96 100

61 177.9 124.4 231.0

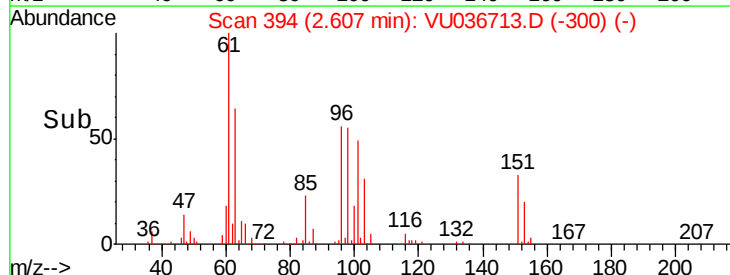
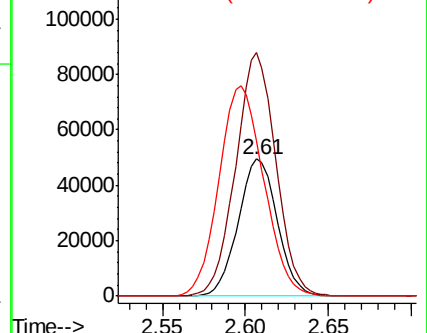
63 113.6 83.4 155.0

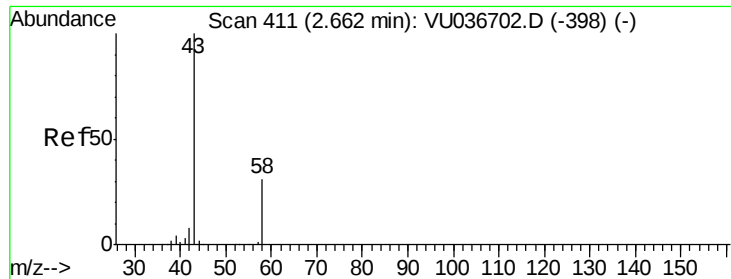


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 94.054 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU036713.D

Acq: 10 Feb 2020 16:41

Instrument :

MSVOA_U

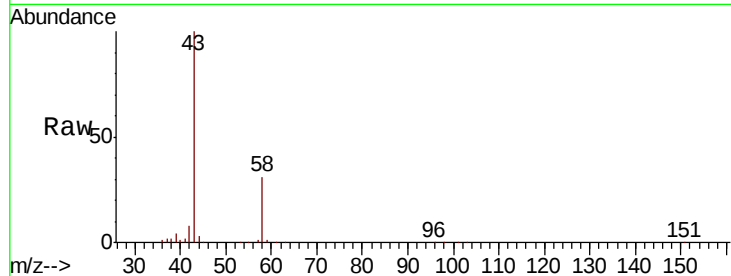
ClientSampleId :

Tot Ion: 43 Resp: 149682

Ion Ratio Lower Upper

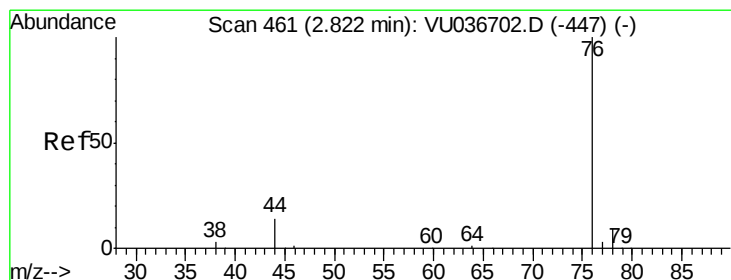
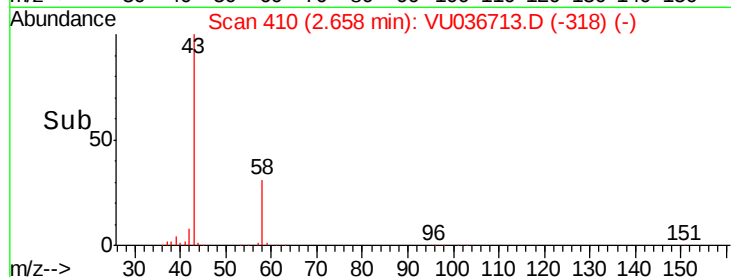
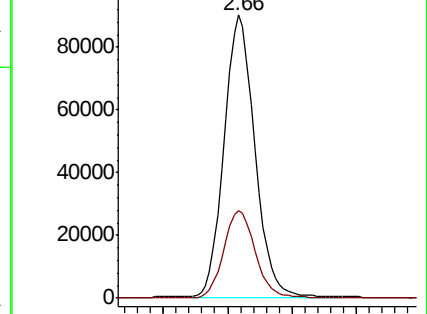
43 100

58 31.6 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU036713.D (-318) (-)

Ion 58.00 (57.70 to 58.70): VU036713.D (-318) (-)



#14

Carbon disulfide

Concen: 48.830 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036713.D

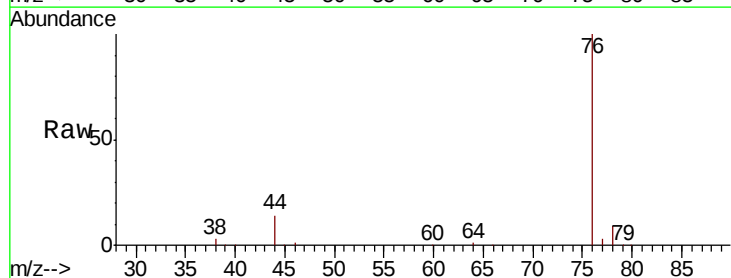
Acq: 10 Feb 2020 16:41

Tgt Ion: 76 Resp: 234700

Ion Ratio Lower Upper

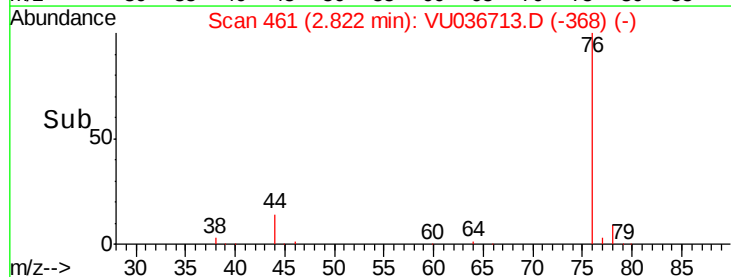
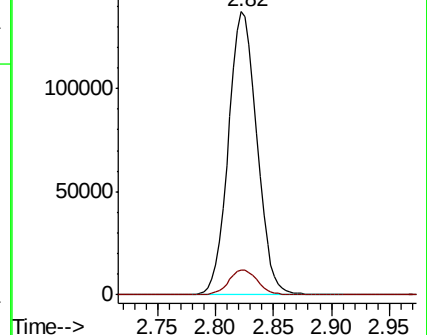
76 100

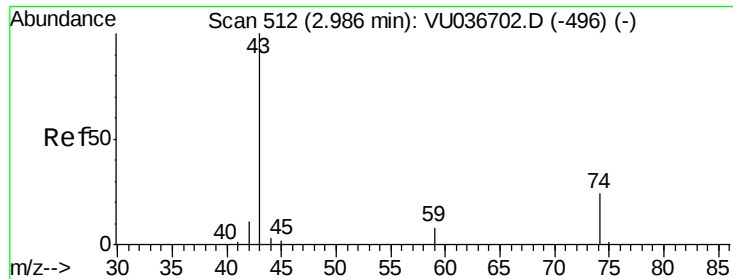
78 8.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU036713.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU036713.D (-368) (-)

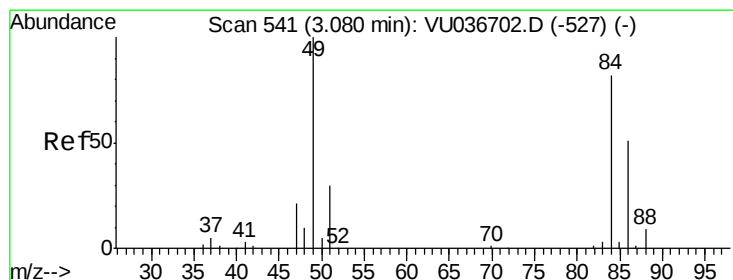
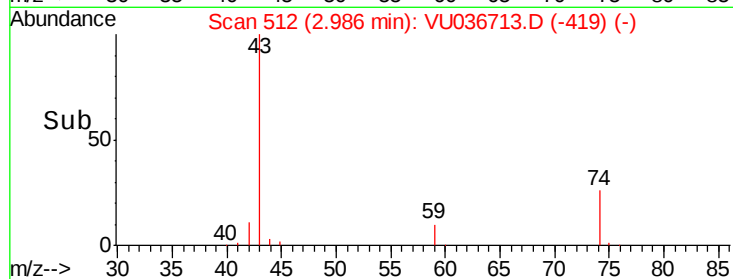
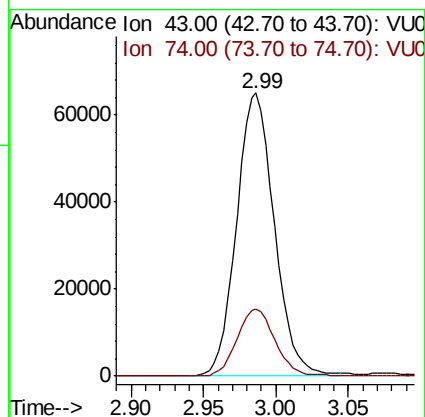
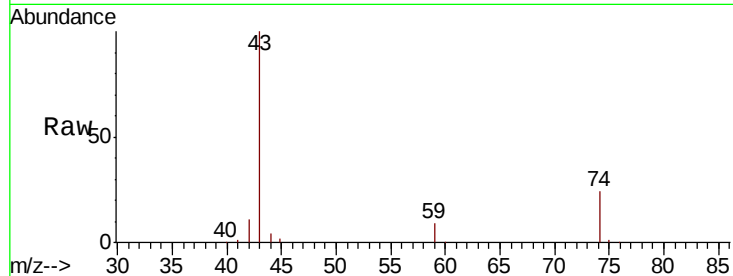




#15
Methvl Acetate
Concen: 51.168 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.00 min
Lab File: VU036713.D
Acq: 10 Feb 2020 16:41

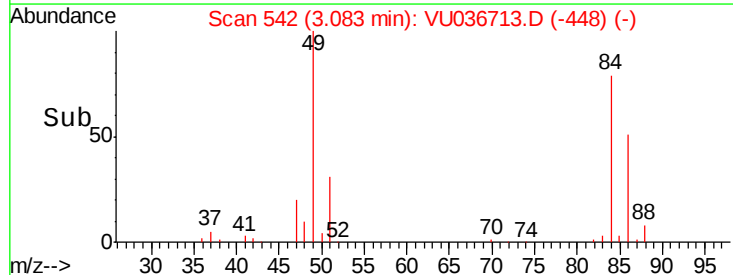
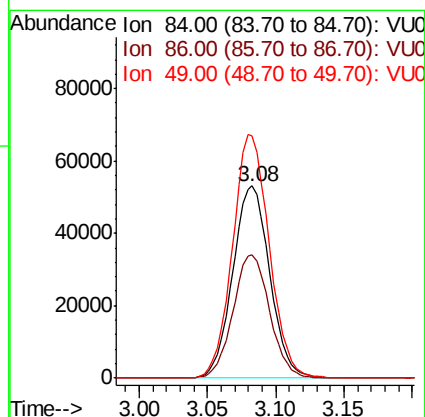
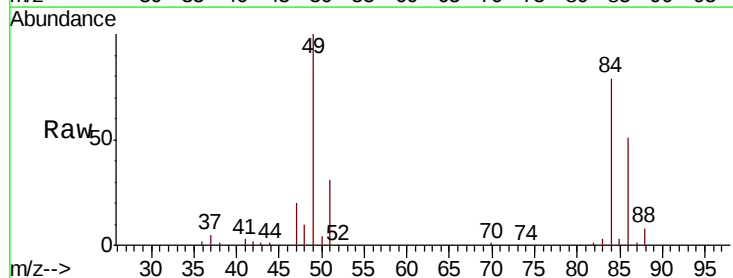
Instrument :
MSVOA_U
ClientSampleId :

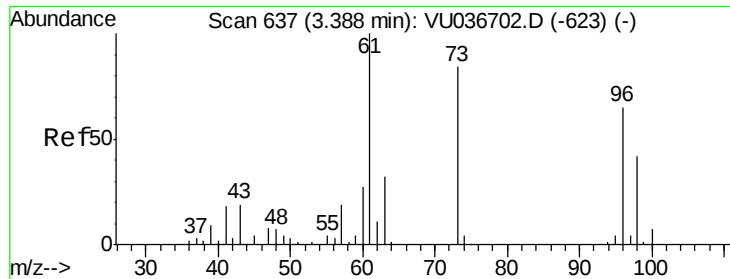
Tot Ion: 43 Resp: 117726
Ion Ratio Lower Upper
43 100
74 24.0 18.7 28.1



#16
Methylene chloride
Concen: 50.394 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036713.D
Acq: 10 Feb 2020 16:41

Tgt Ion: 84 Resp: 100042
Ion Ratio Lower Upper
84 100
86 64.2 44.4 82.5
49 126.3 89.2 165.8

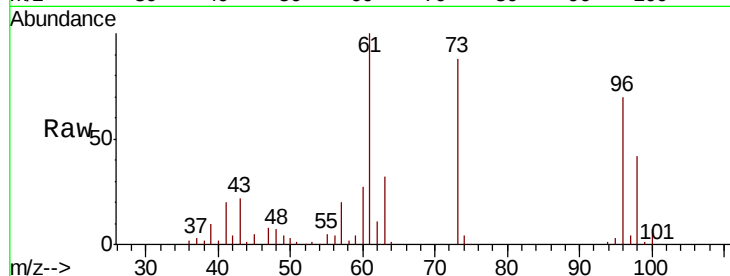




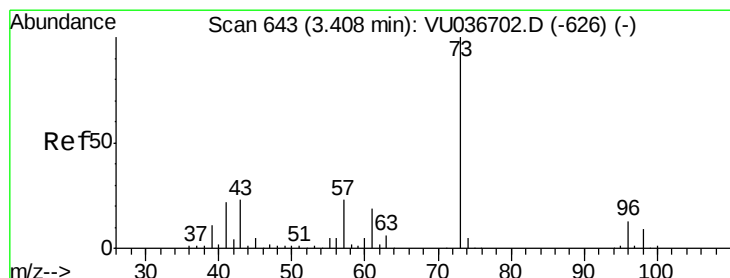
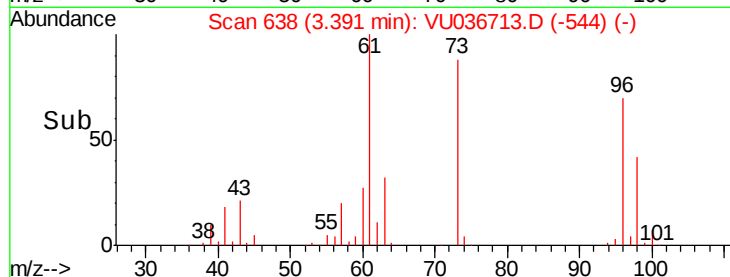
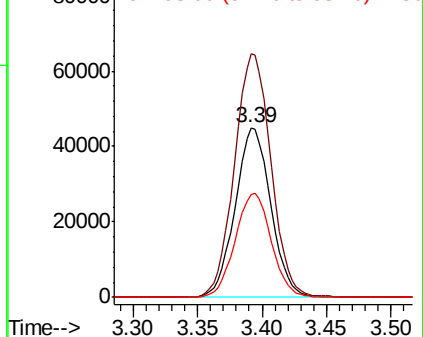
#17
trans-1,2-Dichloroethene
Concen: 50.578 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU036713.D
Acq: 10 Feb 2020 16:41

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 86556
Ion Ratio Lower Upper
96 100
61 143.2 103.4 192.0
98 60.3 45.4 84.2

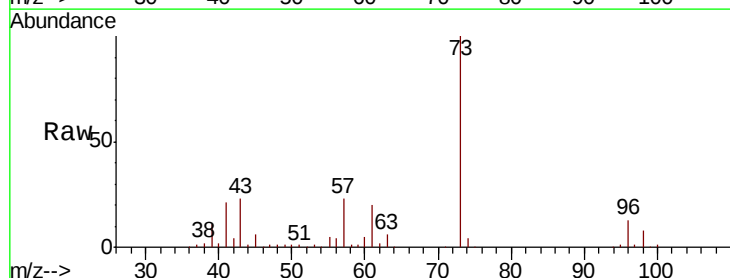


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

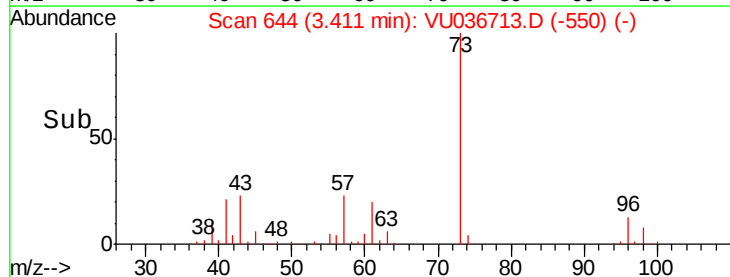
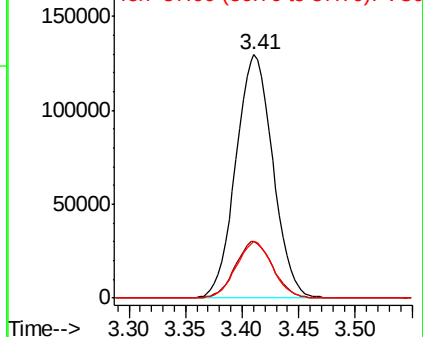


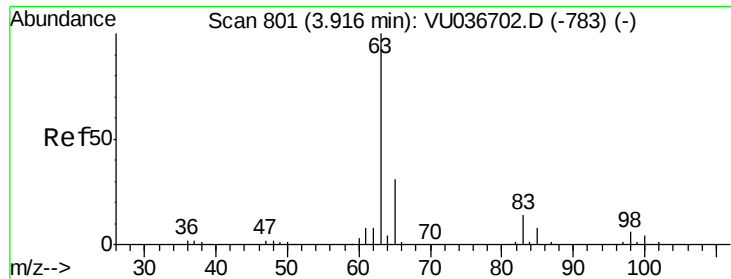
#18
Methyl tert-butyl Ether
Concen: 49.880 ug/L
RT: 3.41 min Scan# 644
Delta R.T. 0.00 min
Lab File: VU036713.D
Acq: 10 Feb 2020 16:41

Tgt Ion: 73 Resp: 296264
Ion Ratio Lower Upper
73 100
43 23.6 18.6 28.0
57 22.8 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

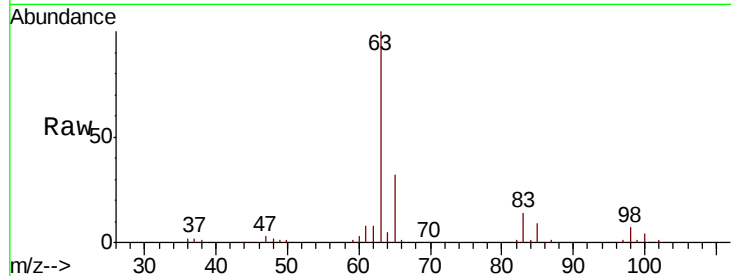




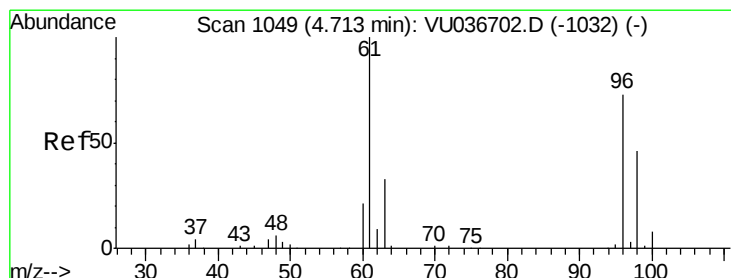
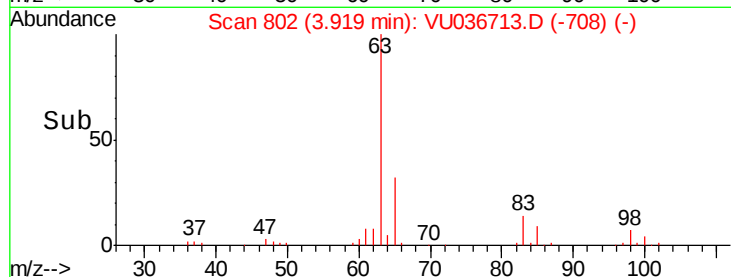
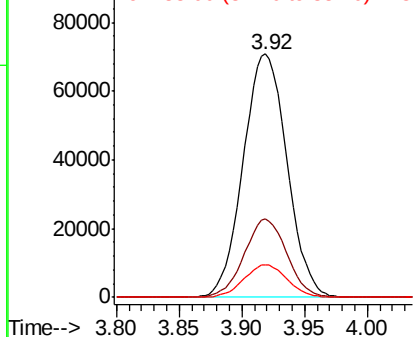
#19
 1,1-Dichloroethane
 Concen: 50.509 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU036713.D
 Acq: 10 Feb 2020 16:41

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 172226
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.0 40.8
 83 13.5 10.1 18.7

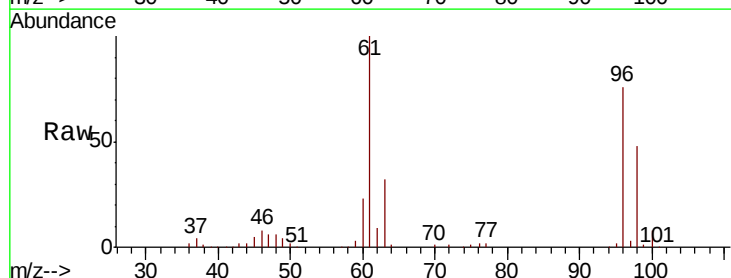


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

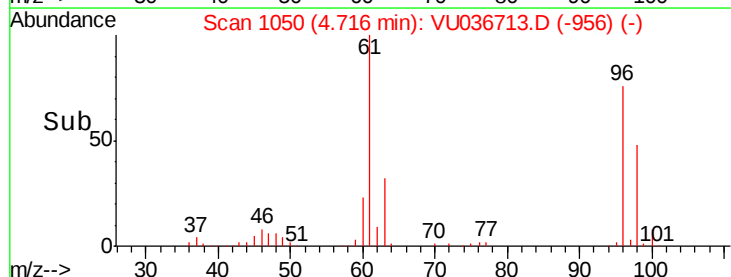
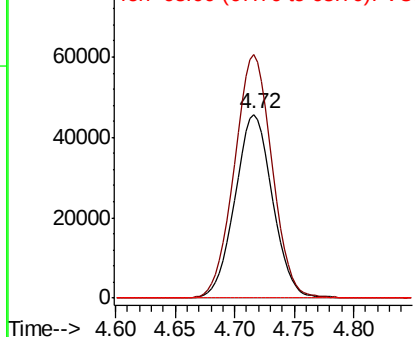


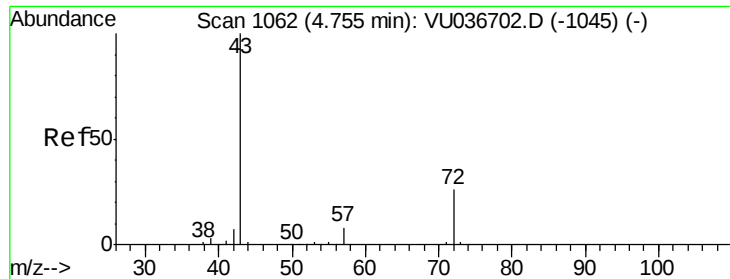
#20
 cis-1,2-Dichloroethene
 Concen: 51.358 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU036713.D
 Acq: 10 Feb 2020 16:41

Tgt Ion: 96 Resp: 100145
 Ion Ratio Lower Upper
 96 100
 61 132.3 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

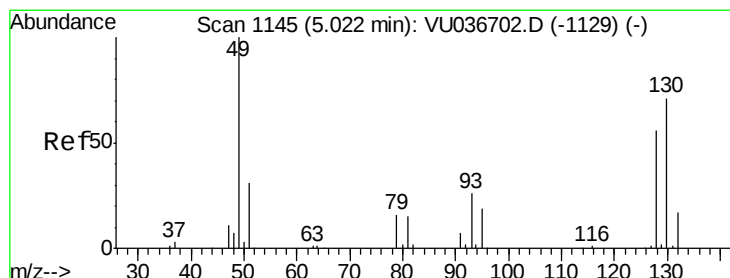
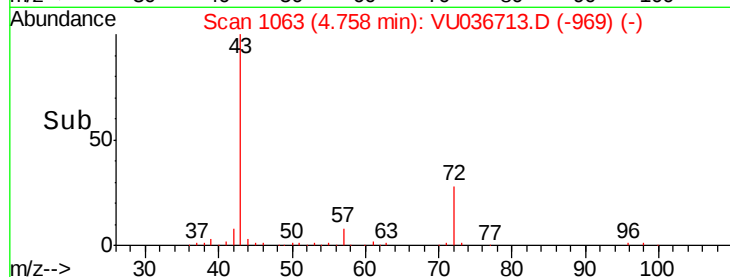
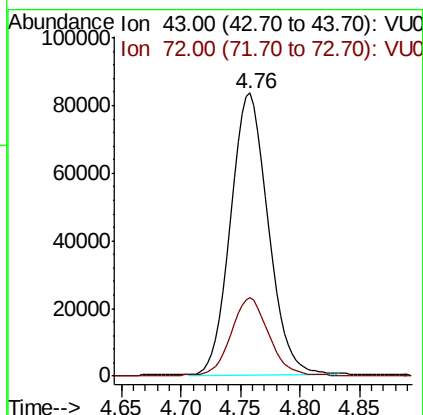
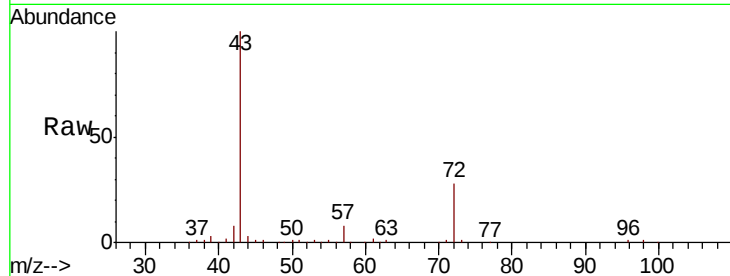




#22
2-Butanone
Concen: 96.796 ug/L
RT: 4.76 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VU036713.D
Acq: 10 Feb 2020 16:41

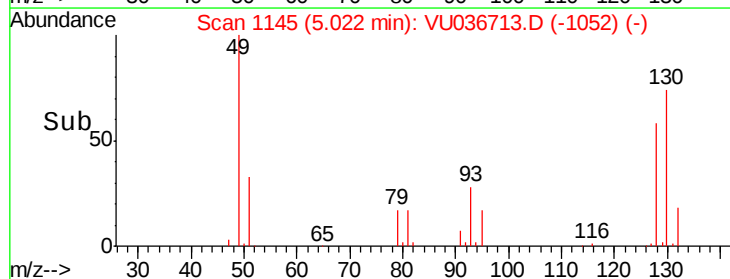
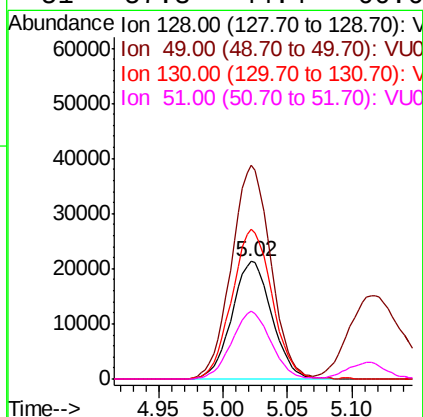
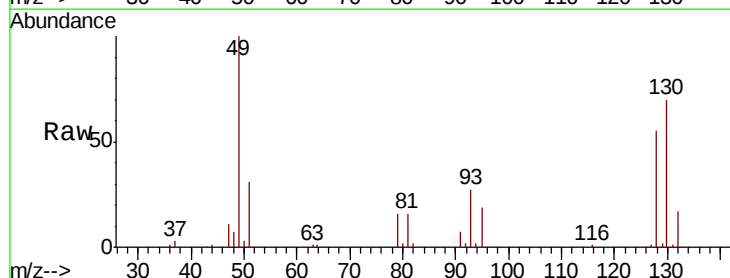
Instrument :
MSVOA_U
ClientSampled :

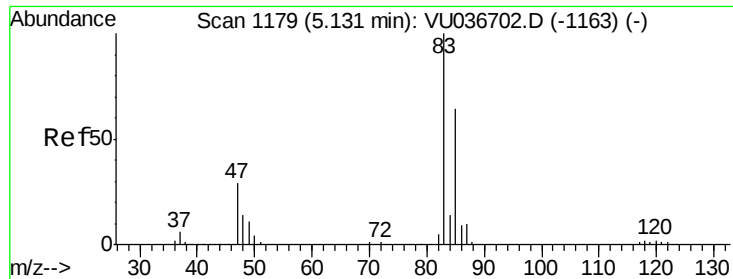
Tot Ion: 43 Resp: 182831
Ion Ratio Lower Upper
43 100
72 28.4 13.6 40.7



#23
Bromochloromethane
Concen: 50.276 ug/L
RT: 5.02 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VU036713.D
Acq: 10 Feb 2020 16:41

Tgt Ion:128 Resp: 45939
Ion Ratio Lower Upper
128 100
49 182.0 127.3 236.5
130 127.1 88.5 164.3
51 57.3 44.4 66.6

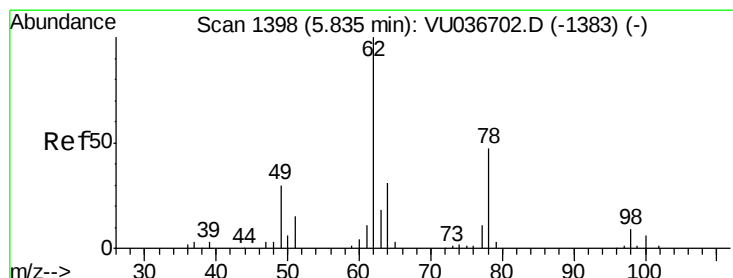
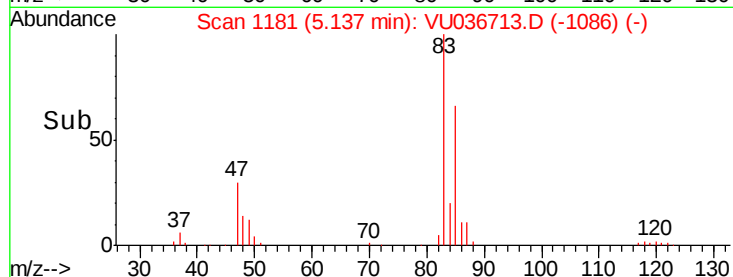
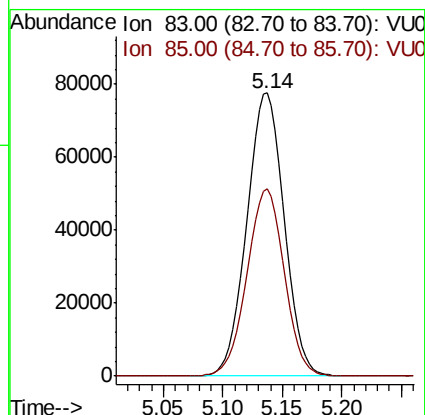
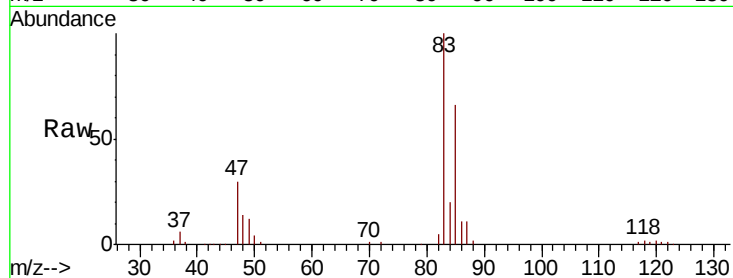




#25
Chloroform
Concen: 50.973 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VU036713.D
Acq: 10 Feb 2020 16:41

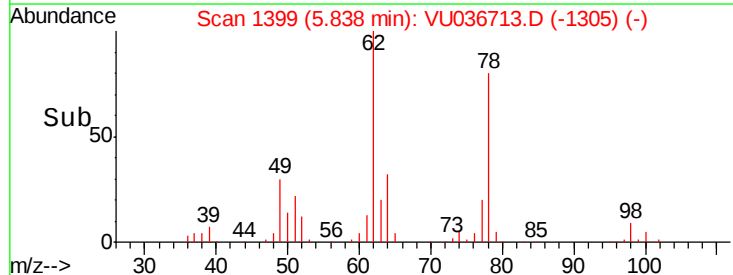
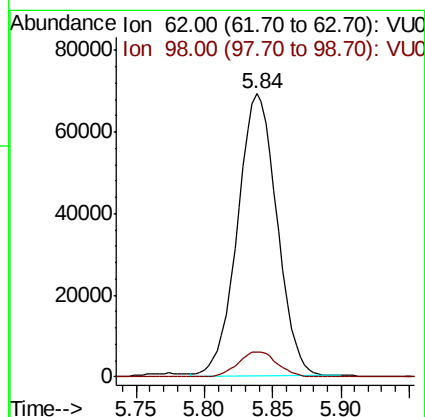
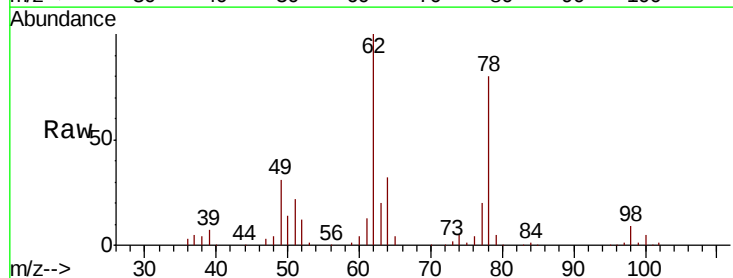
Instrument :
MSVOA_U
ClientSampleId :

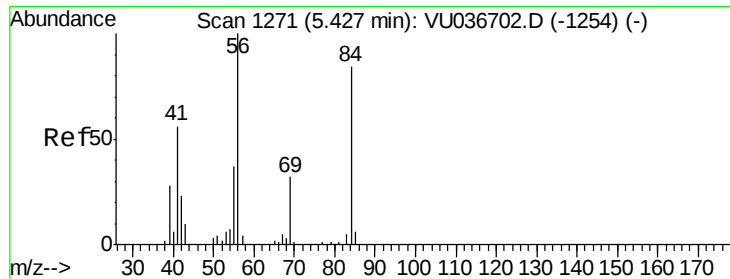
Tot Ion: 83 Resp: 169036
Ion Ratio Lower Upper
83 100
85 66.3 44.6 82.8



#27
1,2-Dichloroethane
Concen: 49.791 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036713.D
Acq: 10 Feb 2020 16:41

Tgt Ion: 62 Resp: 138857
Ion Ratio Lower Upper
62 100
98 8.9 7.0 10.4

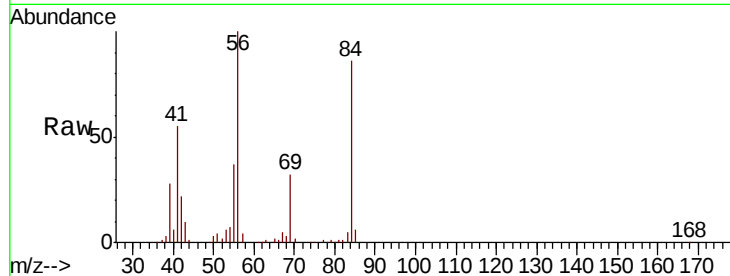




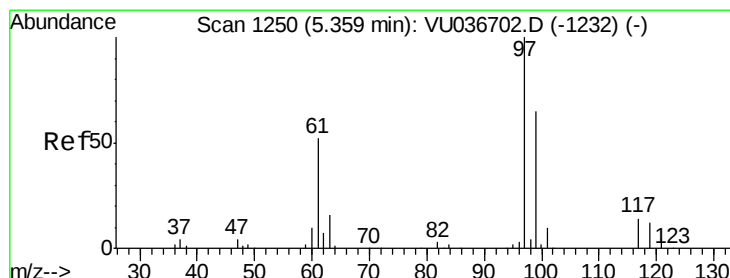
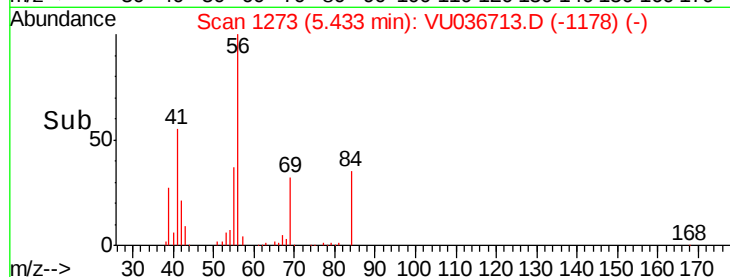
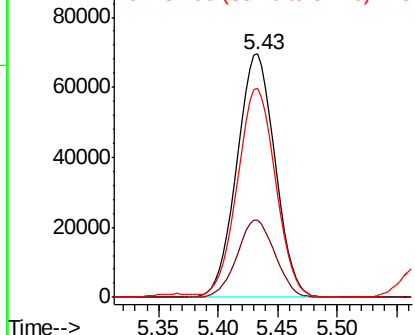
#29
Cyclohexane
Concen: 48.589 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VU036713.D
Acq: 10 Feb 2020 16:41

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 154758
Ion Ratio Lower Upper
56 100
69 31.6 25.0 37.4
84 86.0 68.2 102.2

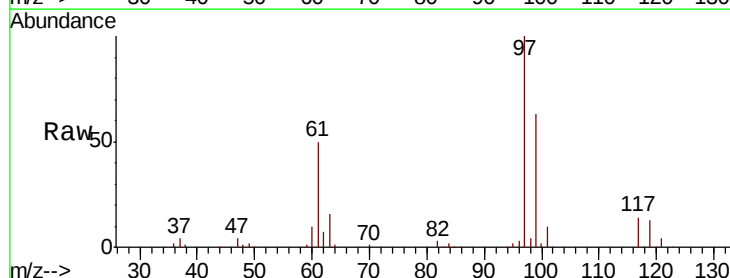


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

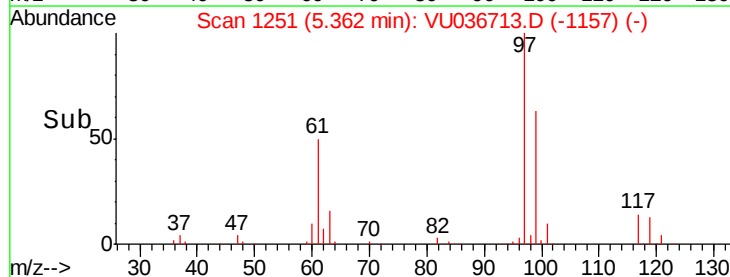
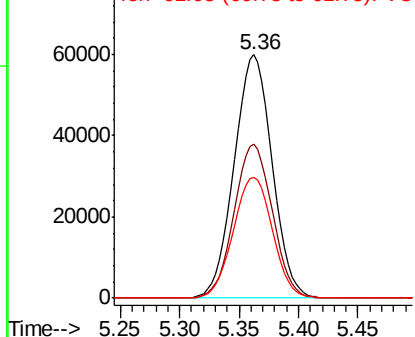


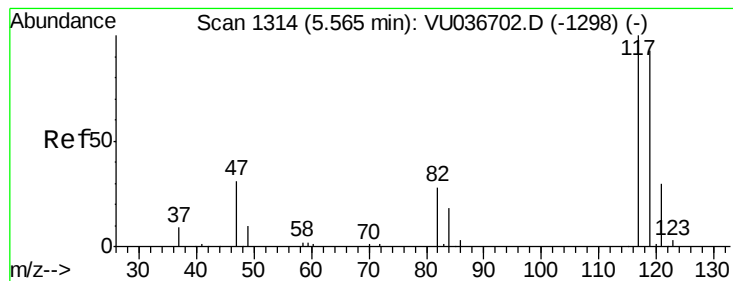
#30
1,1,1-Trichloroethane
Concen: 50.456 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU036713.D
Acq: 10 Feb 2020 16:41

Tgt Ion: 97 Resp: 132896
Ion Ratio Lower Upper
97 100
99 63.8 50.9 76.3
61 51.2 40.2 60.2



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 49.867 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU036713.D

Acq: 10 Feb 2020 16:41

Instrument :

MSVOA_U

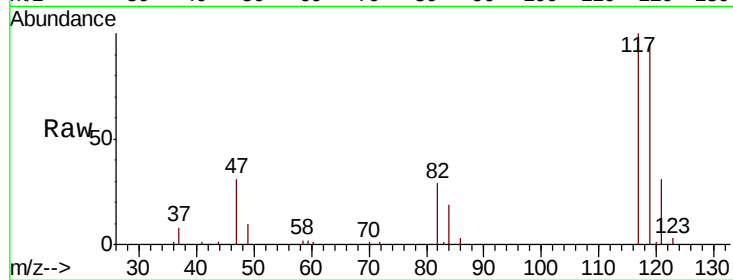
ClientSampled :

Tot Ion:117 Resp: 106351

Ion Ratio Lower Upper

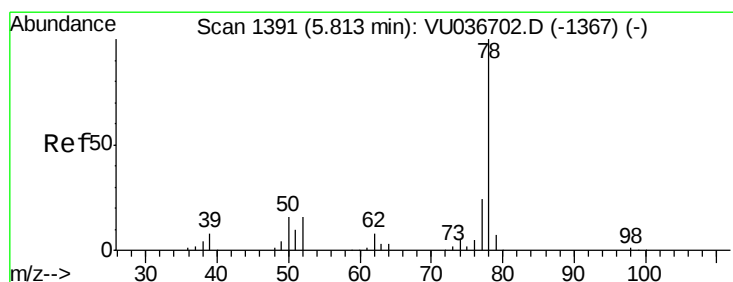
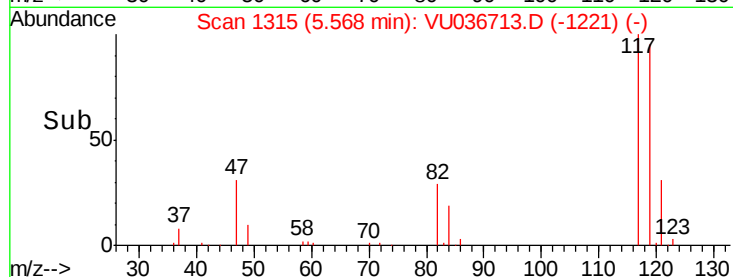
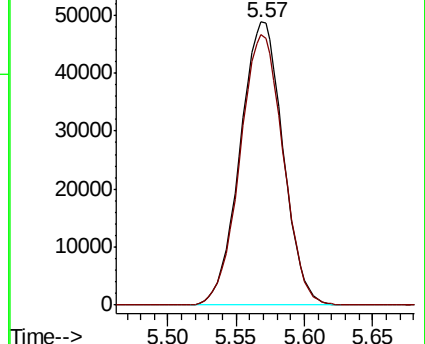
117 100

119 96.2 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: 51.120 ug/L

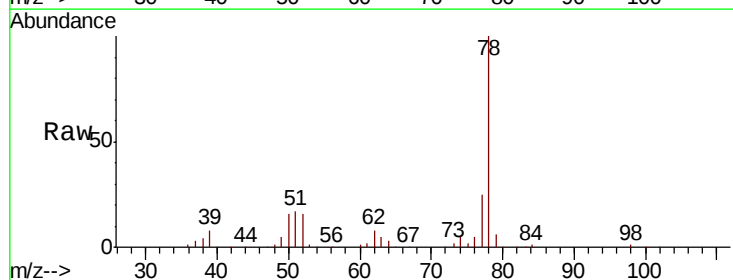
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

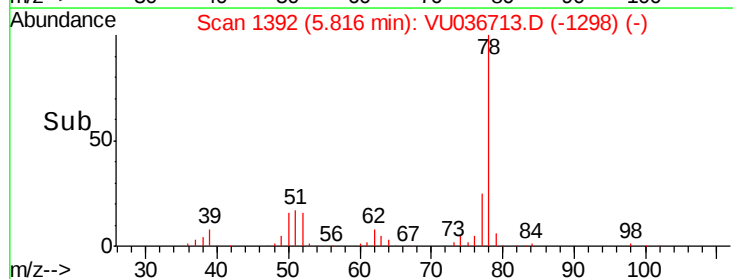
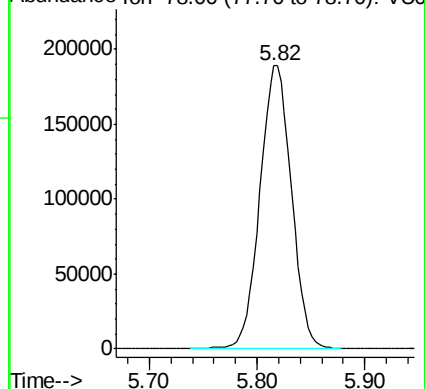
Lab File: VU036713.D

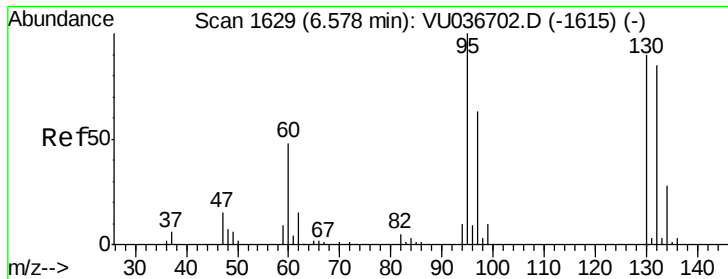
Acq: 10 Feb 2020 16:41

Tgt Ion: 78 Resp: 383388



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 50.951 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036713.D

Acq: 10 Feb 2020 16:41

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 94493

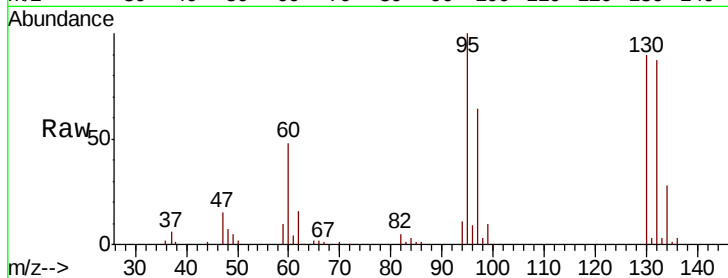
Ion Ratio Lower Upper

95 100

97 64.1 44.5 82.7

132 86.8 59.6 110.8

130 90.2 65.0 120.8

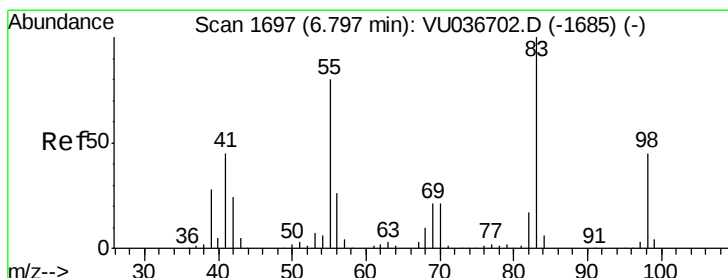
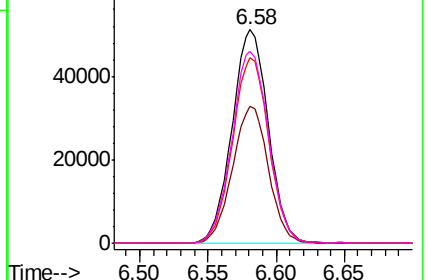
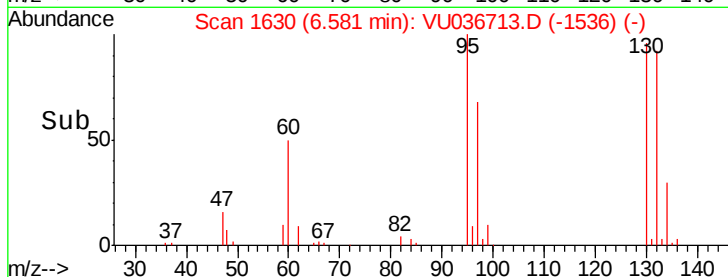


Abundance Ion 95.00 (94.70 to 95.70): VU036713.D (-1630) (-)

Ion 97.00 (96.70 to 97.70): VU036713.D (-1630) (-)

Ion 132.00 (131.70 to 132.70): VU036713.D (-1630) (-)

Ion 130.00 (129.70 to 130.70): VU036713.D (-1630) (-)



#35

Methylcyclohexane

Concen: 49.433 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036713.D

Acq: 10 Feb 2020 16:41

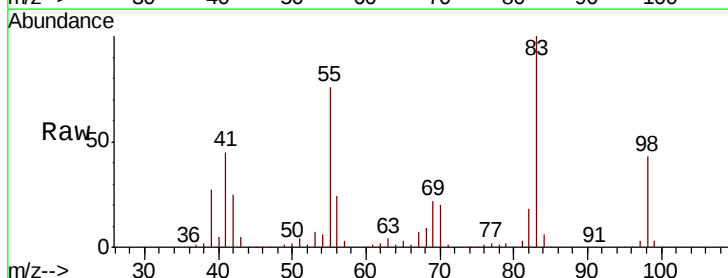
Tgt Ion: 83 Resp: 161451

Ion Ratio Lower Upper

83 100

55 76.1 61.2 91.8

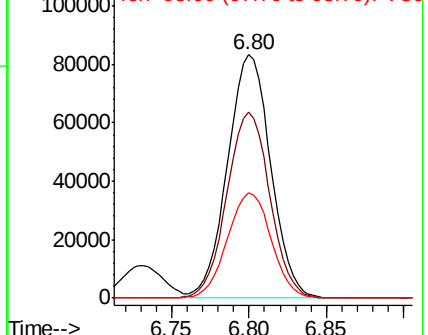
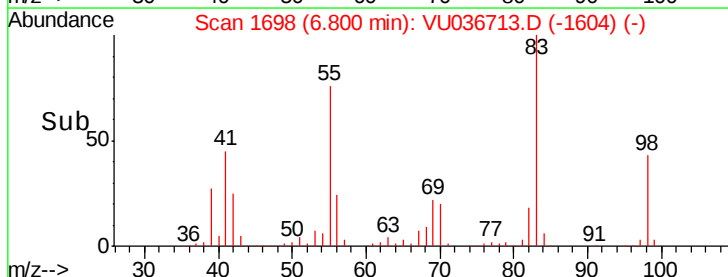
98 44.0 35.4 53.0

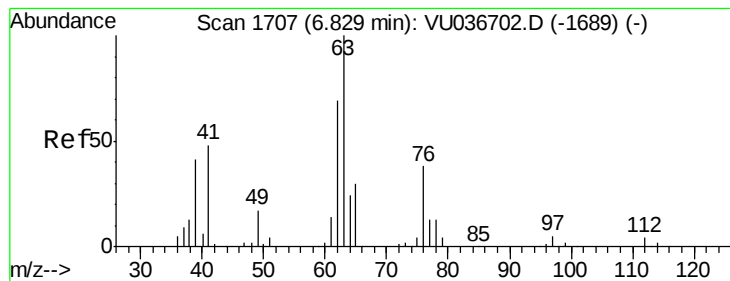


Abundance Ion 83.00 (82.70 to 83.70): VU036713.D (-1698) (-)

Ion 55.00 (54.70 to 55.70): VU036713.D (-1698) (-)

Ion 98.00 (97.70 to 98.70): VU036713.D (-1698) (-)





#37

1,2-Dichloropropane

Concen: 51.906 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VU036713.D

Acq: 10 Feb 2020 16:41

Instrument :

MSVOA_U

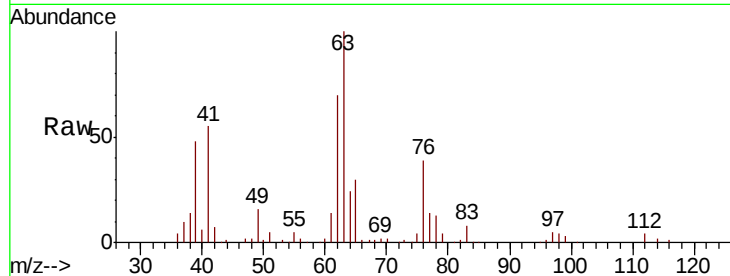
ClientSampleId :

Tot Ion: 63 Resp: 104971

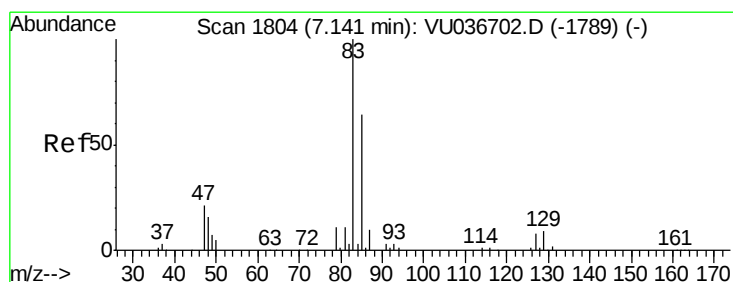
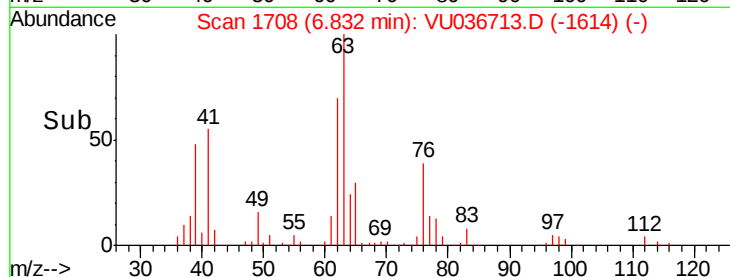
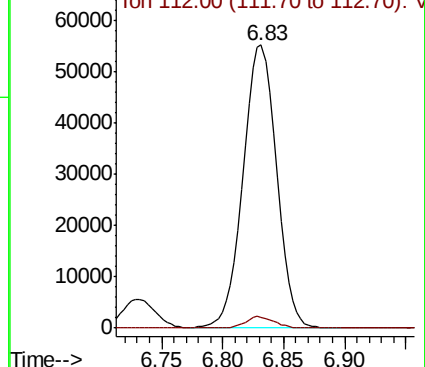
Ion Ratio Lower Upper

63 100

112 3.6 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VU036713.D (-1614) (-)



#38

Bromodichloromethane

Concen: 50.825 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VU036713.D

Acq: 10 Feb 2020 16:41

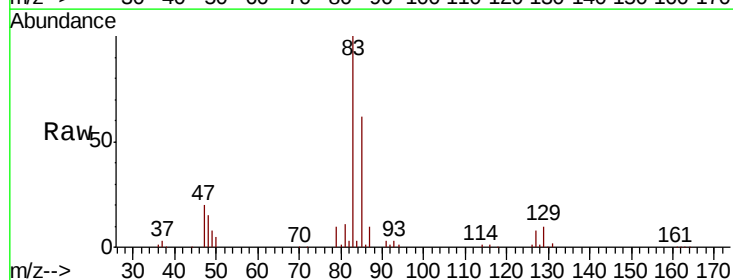
Tgt Ion: 83 Resp: 124906

Ion Ratio Lower Upper

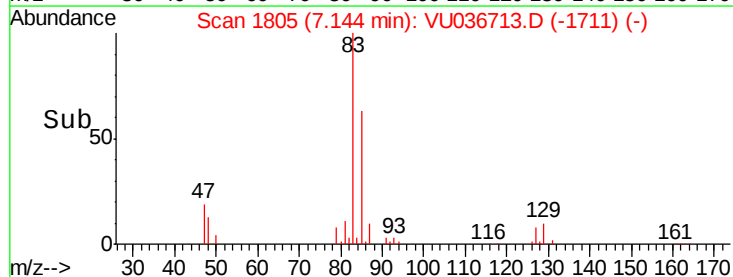
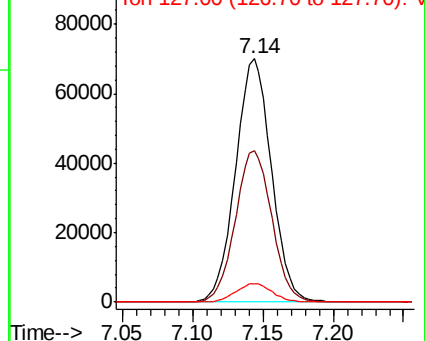
83 100

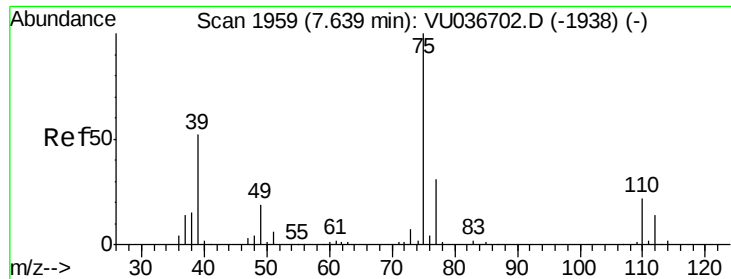
85 62.2 43.9 81.5

127 7.6 6.0 9.0



Abundance Ion 83.00 (82.70 to 83.70): VU036713.D (-1711) (-)

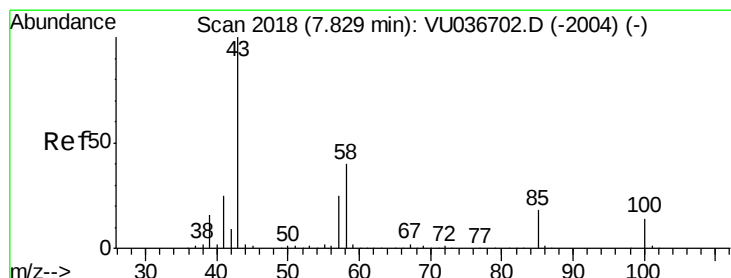
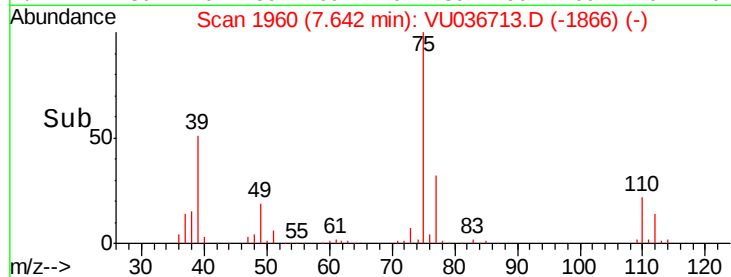
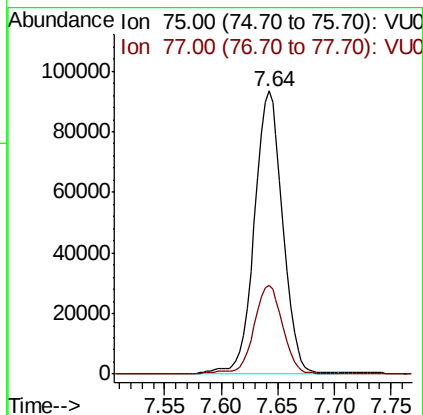
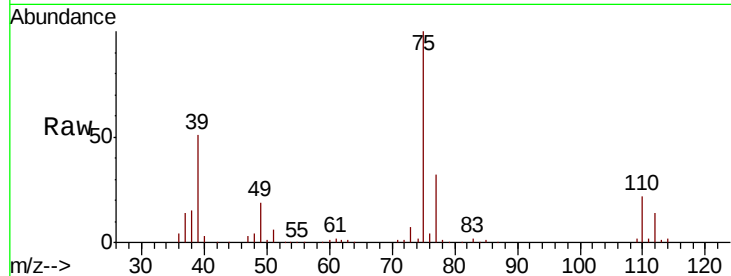




#39
 cis-1,3-Dichloropropene
 Concen: 50.381 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036713.D
 Acq: 10 Feb 2020 16:41

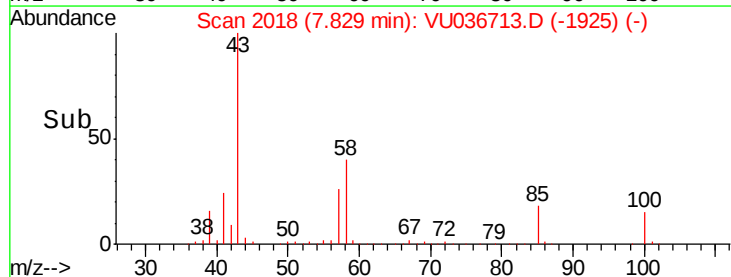
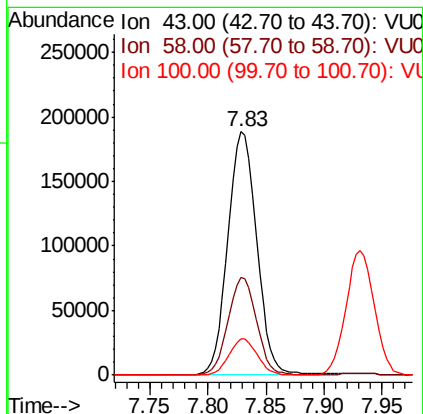
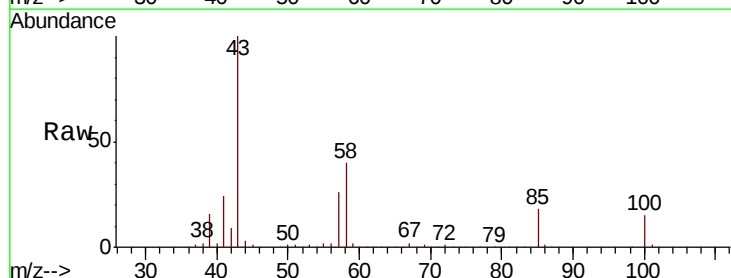
Instrument :
 MSVOA_U
 ClientSampleId :

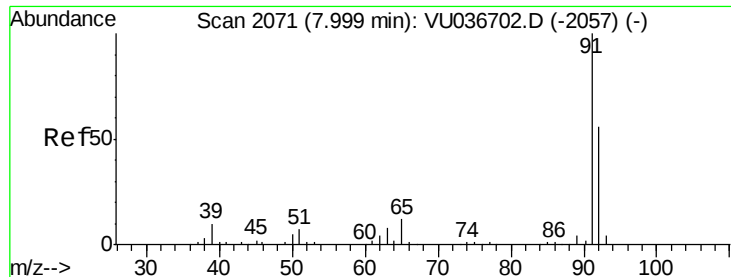
Tot Ion: 75 Resp: 162795
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 101.983 ug/L
 RT: 7.83 min Scan# 2018
 Delta R.T. -0.00 min
 Lab File: VU036713.D
 Acq: 10 Feb 2020 16:41

Tgt Ion: 43 Resp: 325859
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.0 46.6
 100 14.4 11.4 17.2





#42

Toluene

Concen: 51.102 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036713.D

Acq: 10 Feb 2020 16:41

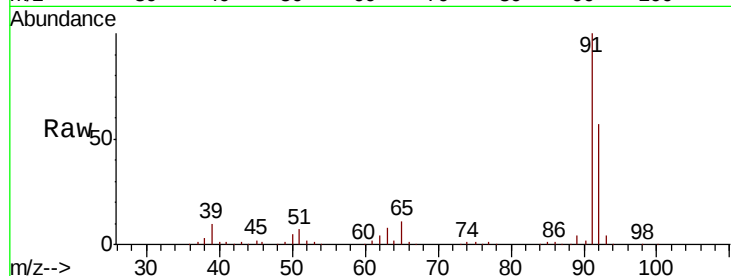
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 414130

Ion Ratio Lower Upper

91 100

92 56.8 39.5 73.3



Abundance Ion 91.00 (90.70 to 91.70): VU036713.D (-2057) (-)

Ion 92.00 (91.70 to 92.70): VU036713.D (-2057) (-)

8.00

250000

200000

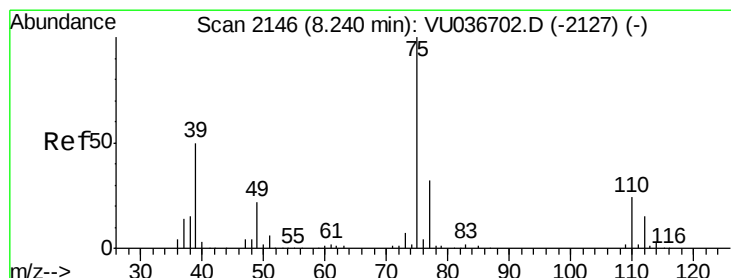
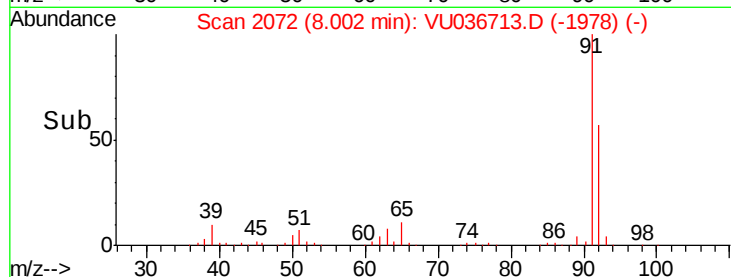
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.358 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036713.D

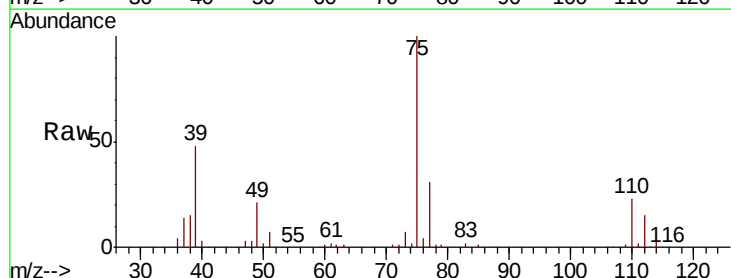
Acq: 10 Feb 2020 16:41

Tgt Ion: 75 Resp: 142152

Ion Ratio Lower Upper

75 100

77 31.3 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VU036713.D (-2053) (-)

Ion 77.00 (76.70 to 77.70): VU036713.D (-2053) (-)

8.24

100000

80000

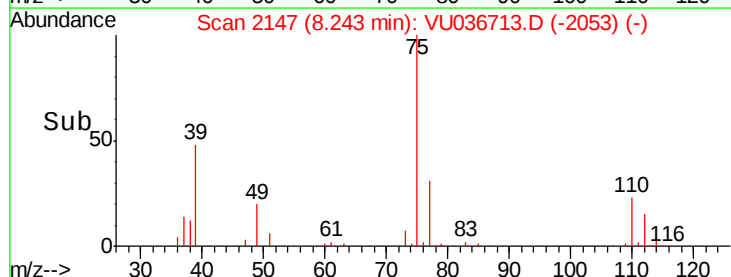
60000

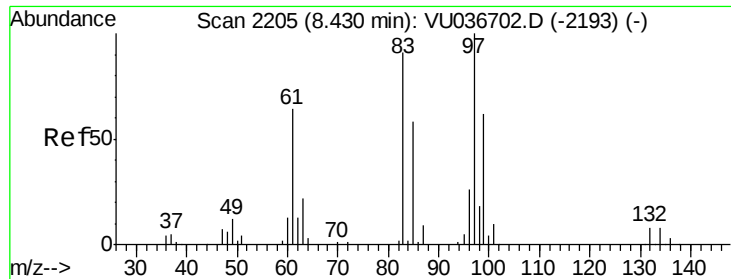
40000

20000

0

Time-->

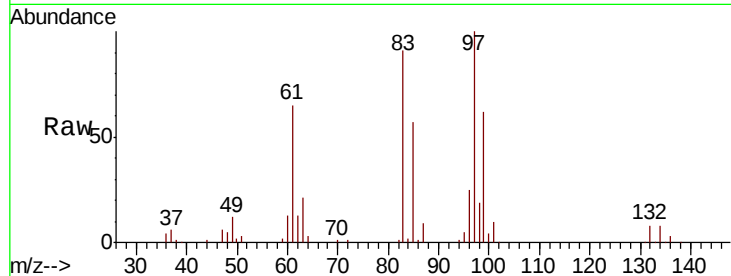




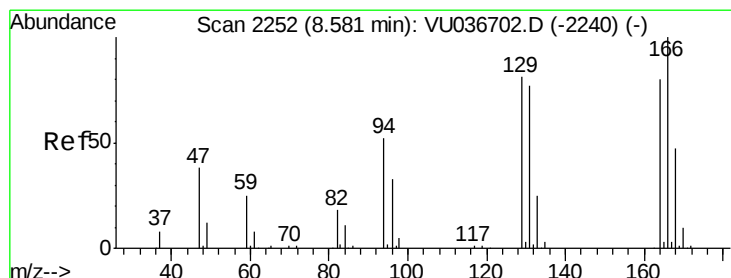
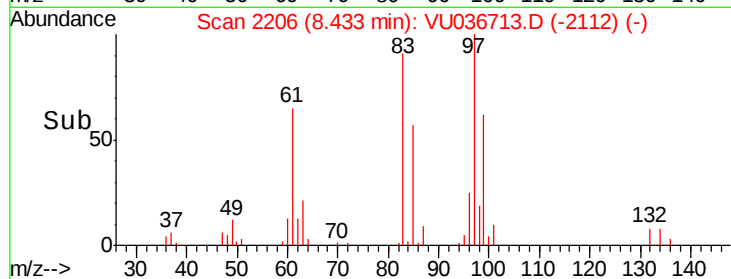
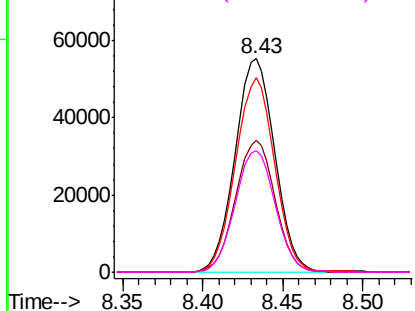
#45
1,1,2-Trichloroethane
Concen: 50.851 ug/L
RT: 8.43 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VU036713.D
Acq: 10 Feb 2020 16:41

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 93817
Ion Ratio Lower Upper
97 100
99 61.8 42.6 79.0
83 90.9 61.1 113.5
85 57.1 40.4 75.0

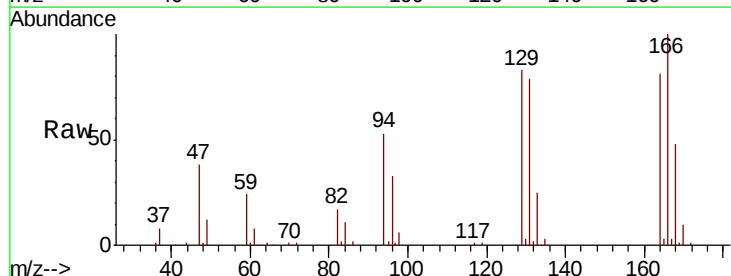


Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

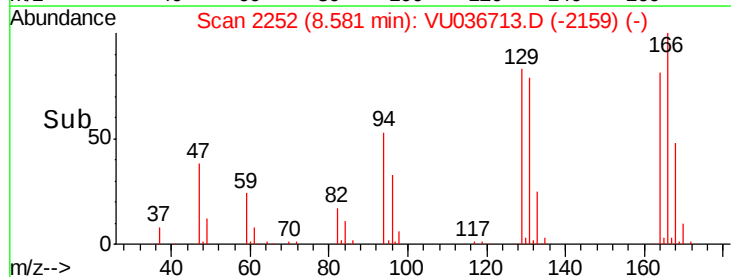
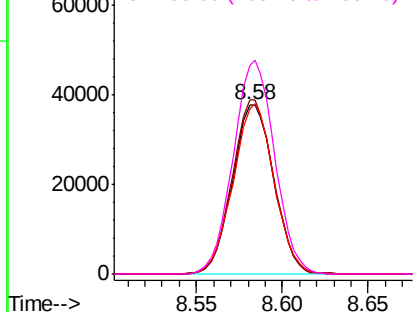


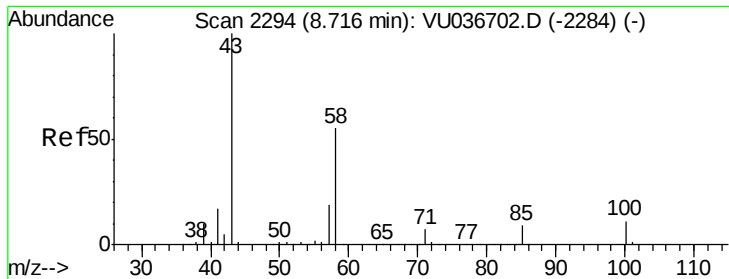
#46
Tetrachloroethene
Concen: 48.597 ug/L
RT: 8.58 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VU036713.D
Acq: 10 Feb 2020 16:41

Tgt Ion: 164 Resp: 63246
Ion Ratio Lower Upper
164 100
129 102.7 71.0 131.9
131 97.6 66.6 123.6
166 123.5 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

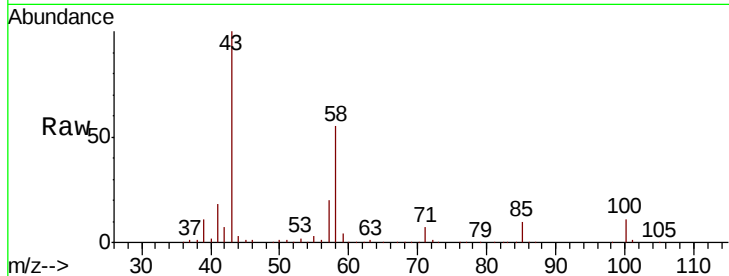




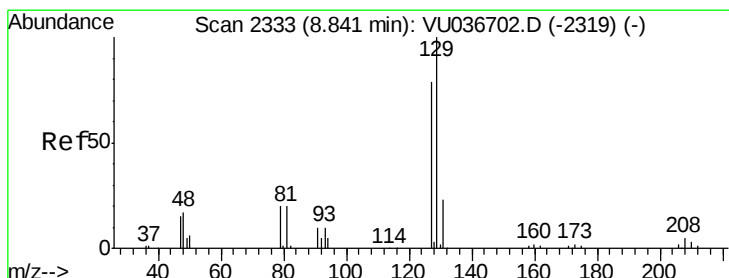
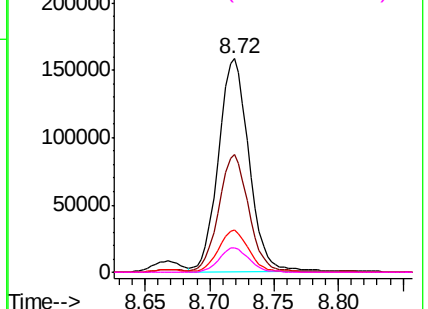
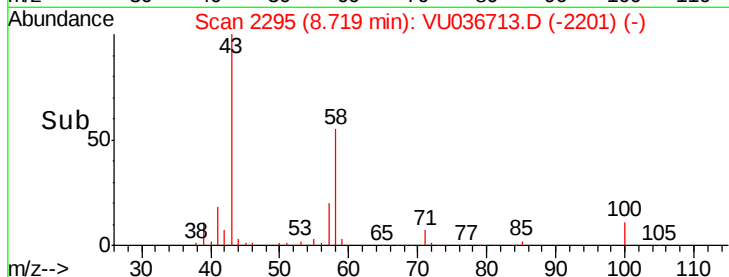
#48
2-Hexanone
Concen: 99.425 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU036713.D
Acq: 10 Feb 2020 16:41

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 259151
Ion Ratio Lower Upper
43 100
58 54.9 43.6 65.4
57 19.5 15.5 23.3
100 11.4 9.0 13.4

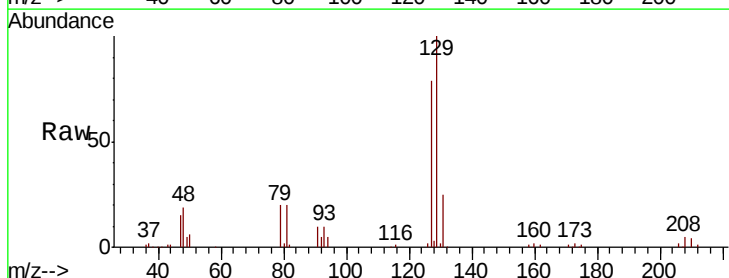


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

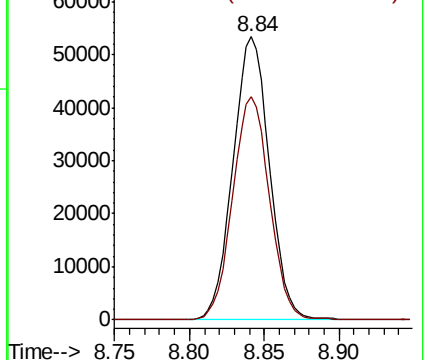
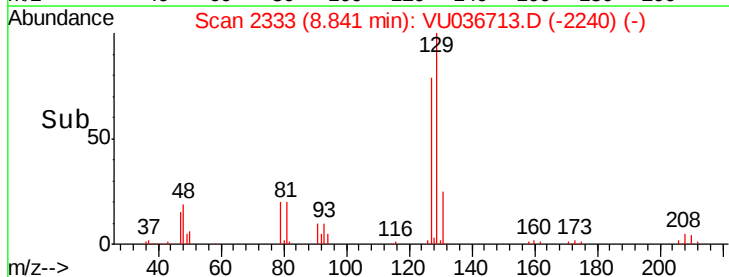


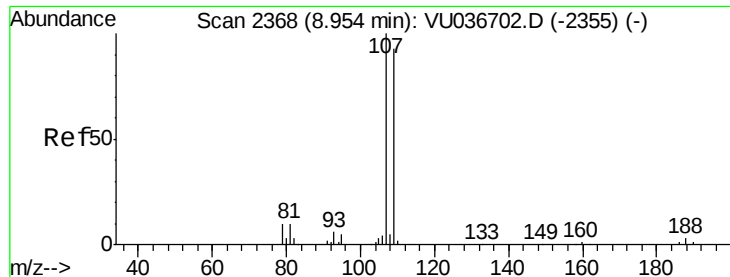
#49
Dibromochloromethane
Concen: 50.213 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU036713.D
Acq: 10 Feb 2020 16:41

Tgt Ion: 129 Resp: 90608
Ion Ratio Lower Upper
129 100
127 78.7 53.6 99.6



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

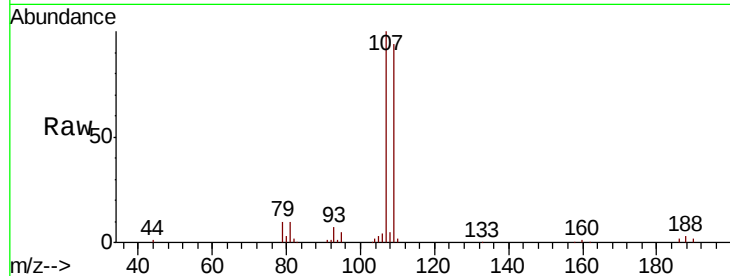




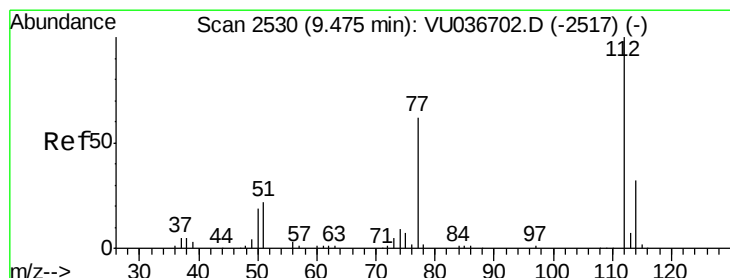
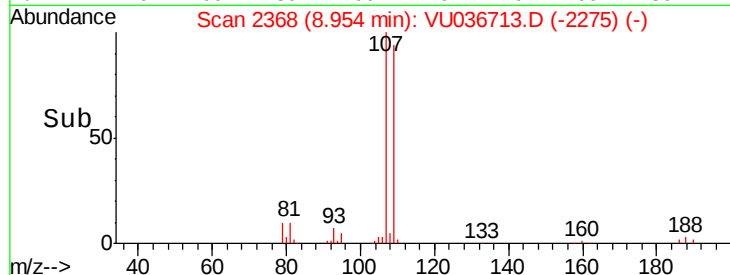
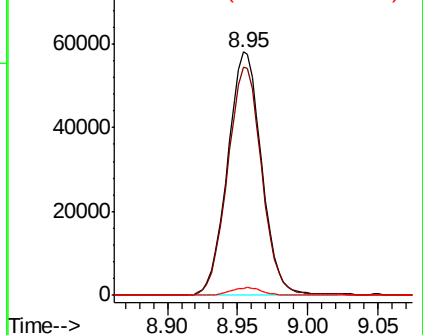
#50
1,2-Dibromoethane
Concen: 50.607 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VU036713.D
Acq: 10 Feb 2020 16:41

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 98085
Ion Ratio Lower Upper
107 100
109 93.7 65.8 122.2
188 3.1 2.5 3.7

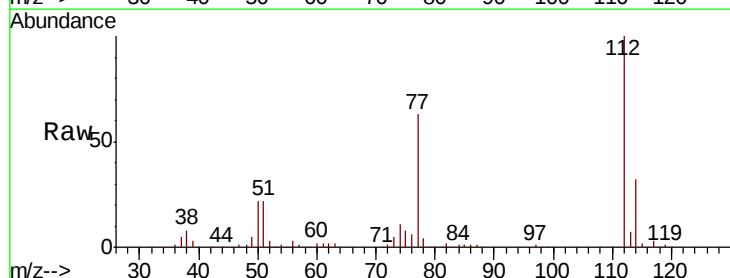


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

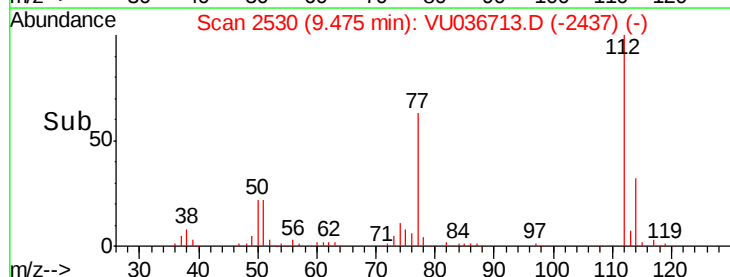
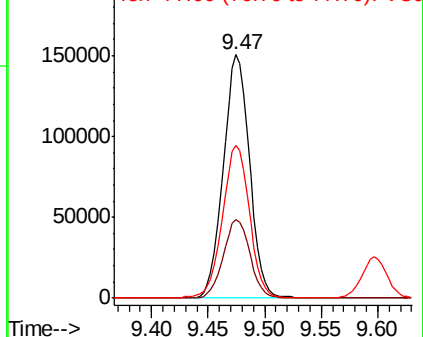


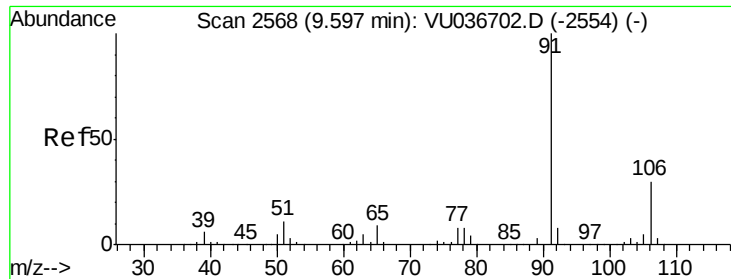
#51
Chlorobenzene
Concen: 49.940 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036713.D
Acq: 10 Feb 2020 16:41

Tgt Ion:112 Resp: 243694
Ion Ratio Lower Upper
112 100
114 32.2 22.7 42.1
77 62.9 50.6 75.8



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





#52

Ethylbenzene

Concen: 50.539 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036713.D

Acq: 10 Feb 2020 16:41

Instrument :

MSVOA_U

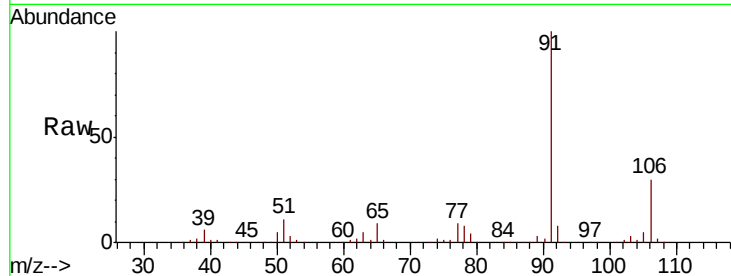
ClientSampleId :

Tot Ion: 91 Resp: 450033

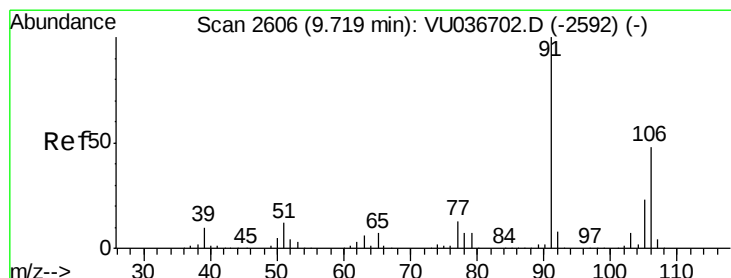
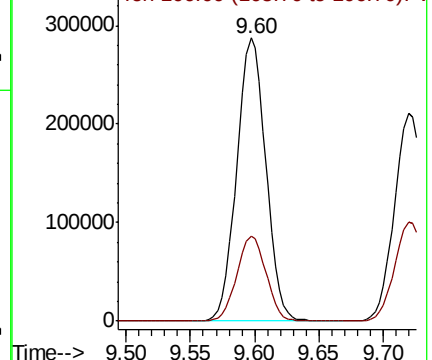
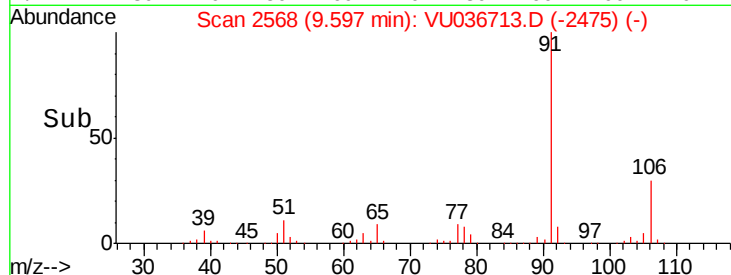
Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VU036713.D (-2475) (-)



#53

m,p-Xylene

Concen: 50.515 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036713.D

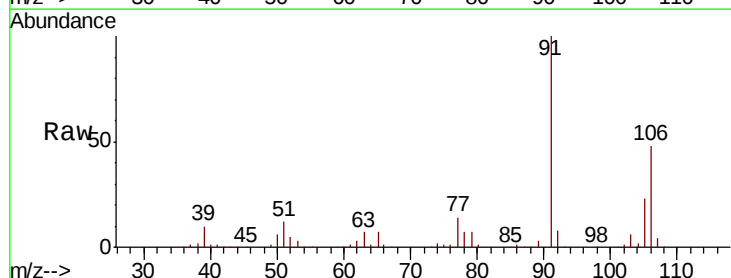
Acq: 10 Feb 2020 16:41

Tgt Ion: 106 Resp: 165937

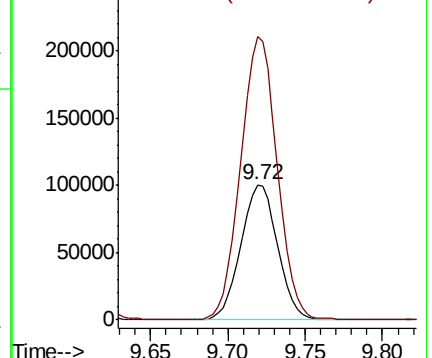
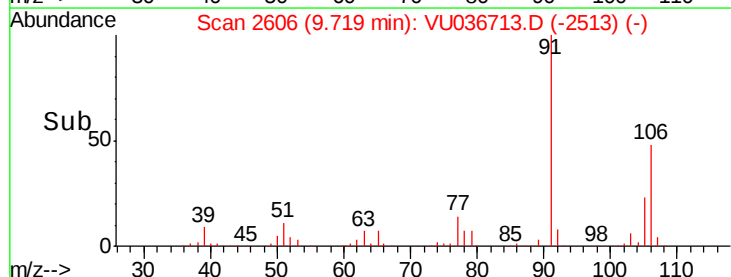
Ion Ratio Lower Upper

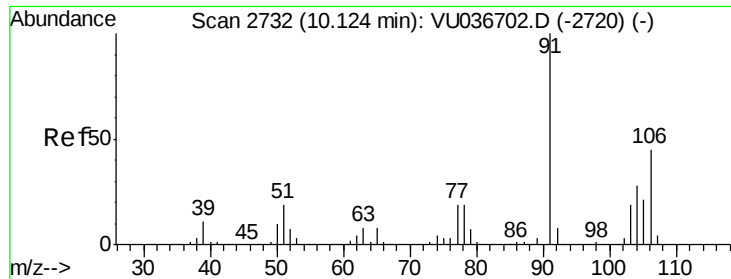
106 100

91 209.4 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VU036713.D (-2513) (-)





#54

o-xylene

Concen: 50.280 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU036713.D

Acq: 10 Feb 2020 16:41

Instrument :

MSVOA_U

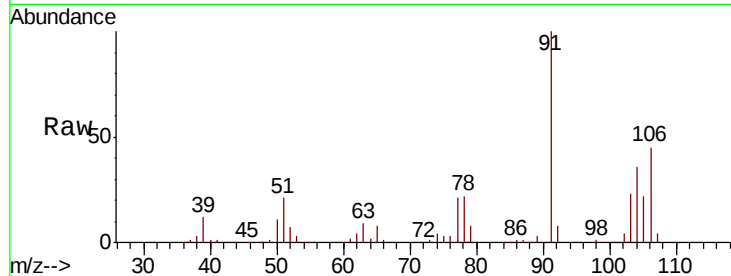
ClientSampled :

Tot Ion:106 Resp: 163619

Ion Ratio Lower Upper

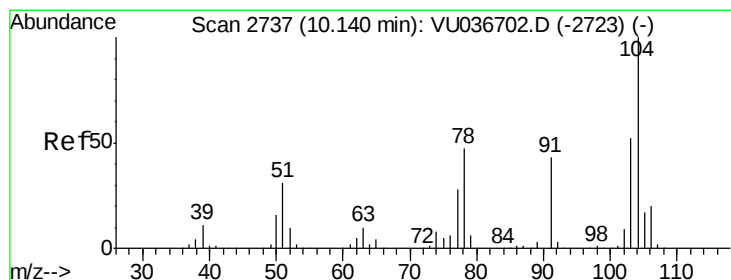
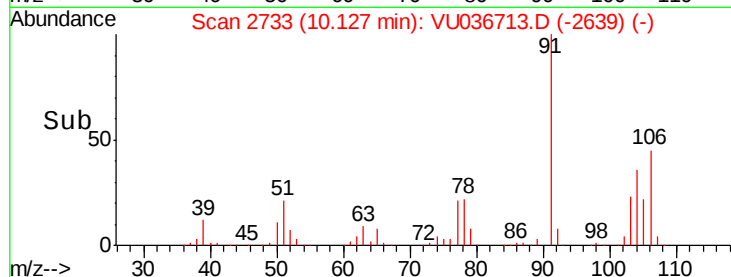
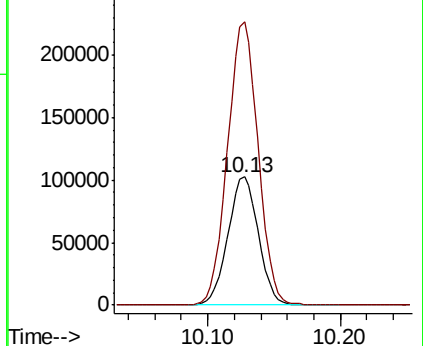
106 100

91 220.3 156.0 289.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.301 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. -0.00 min

Lab File: VU036713.D

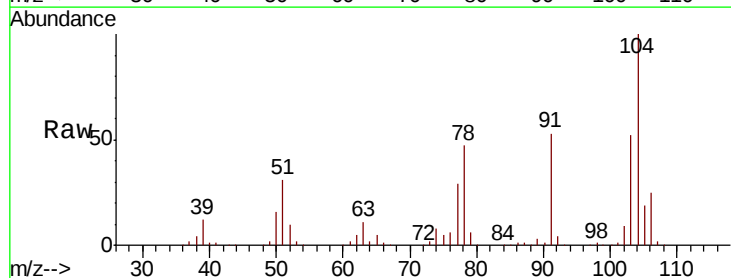
Acq: 10 Feb 2020 16:41

Tgt Ion:104 Resp: 278227

Ion Ratio Lower Upper

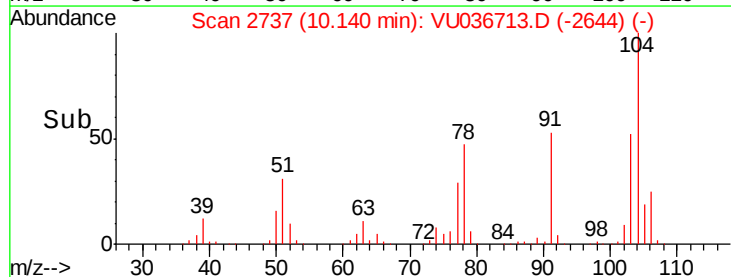
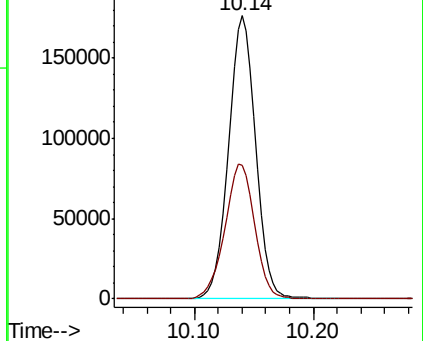
104 100

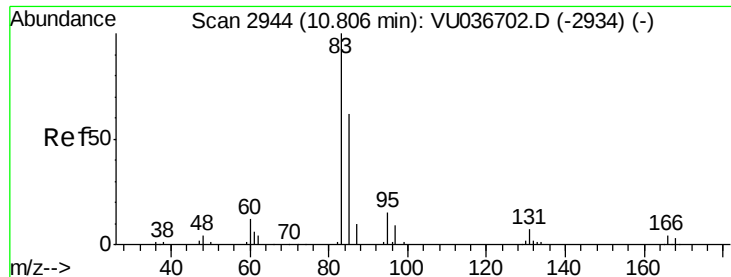
78 47.4 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

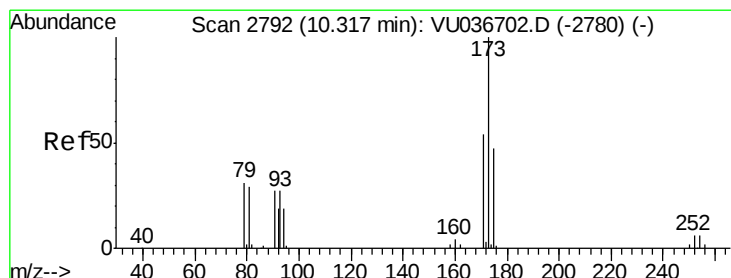
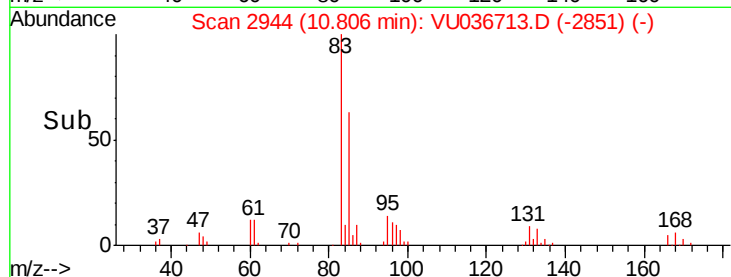
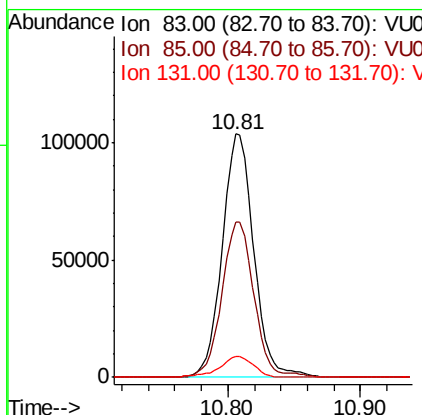
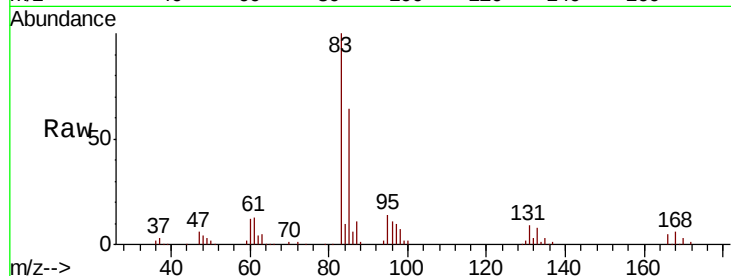




#57
 1,1,2,2-Tetrachloroethane
 Concen: 51.533 ug/L
 RT: 10.81 min Scan# 2944
 Delta R.T. -0.00 min
 Lab File: VU036713.D
 Acq: 10 Feb 2020 16:41

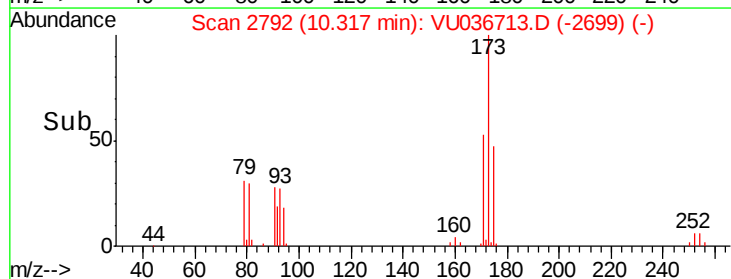
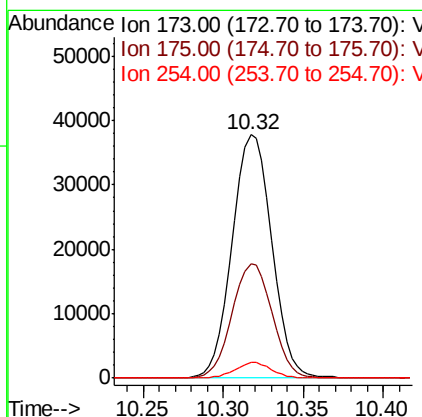
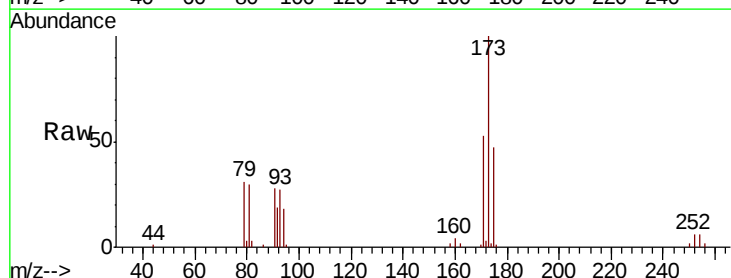
Instrument :
 MSVOA_U
 ClientSampleId :

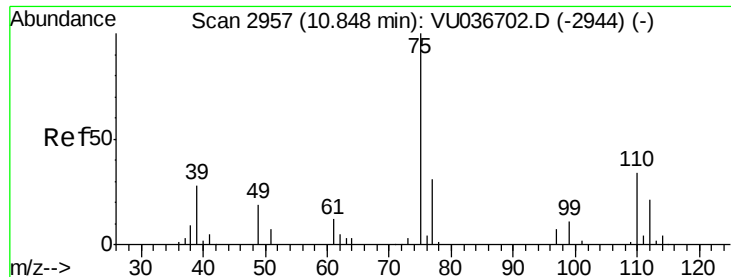
Tot Ion: 83 Resp: 171318
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.7 82.9
 131 8.7 6.8 10.2



#59
 Bromoform
 Concen: 50.104 ug/L
 RT: 10.32 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VU036713.D
 Acq: 10 Feb 2020 16:41

Tgt Ion: 173 Resp: 63905
 Ion Ratio Lower Upper
 173 100
 175 47.6 38.2 57.4
 254 5.8 4.8 7.2

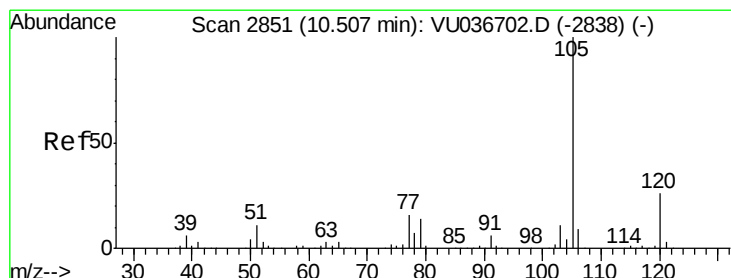
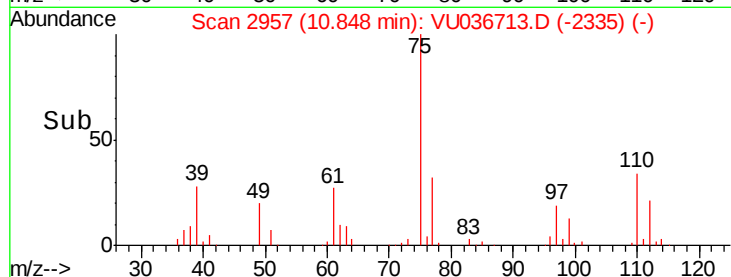
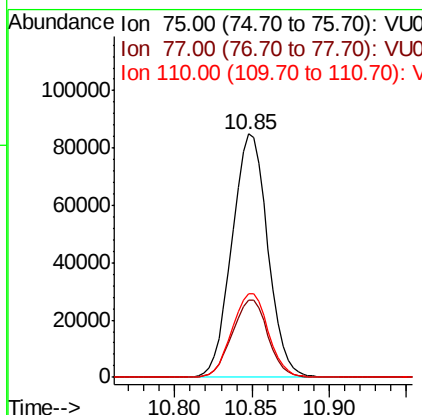
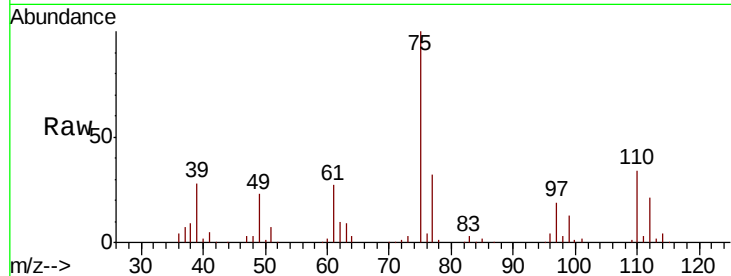




#60
 1,2,3-Trichloropropane
 Concen: 50.226 ug/L
 RT: 10.85 min Scan# 2957
 Delta R.T. -0.00 min
 Lab File: VU036713.D
 Acq: 10 Feb 2020 16:41

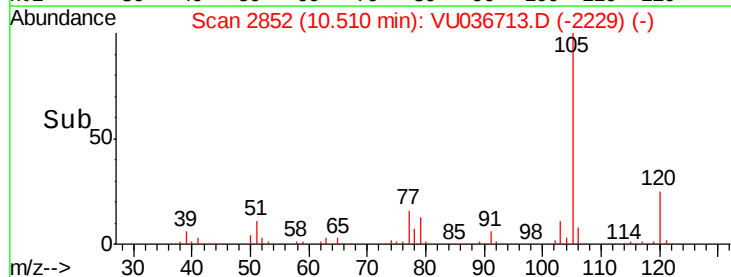
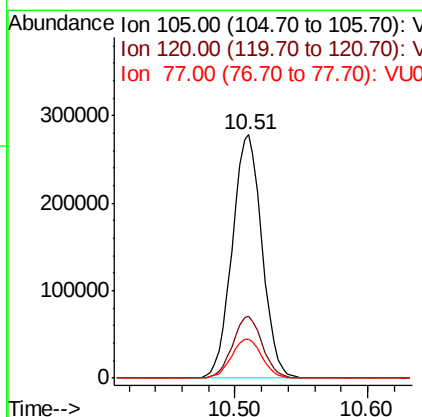
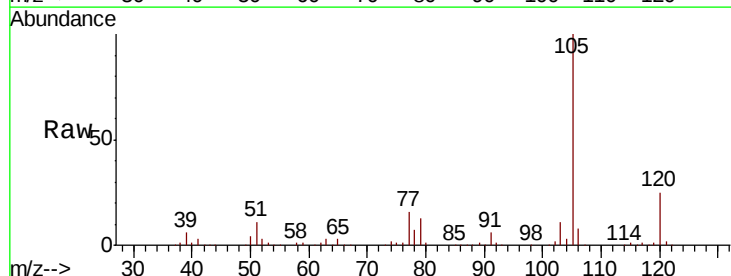
Instrument :
 MSVOA_U
 ClientSampled :

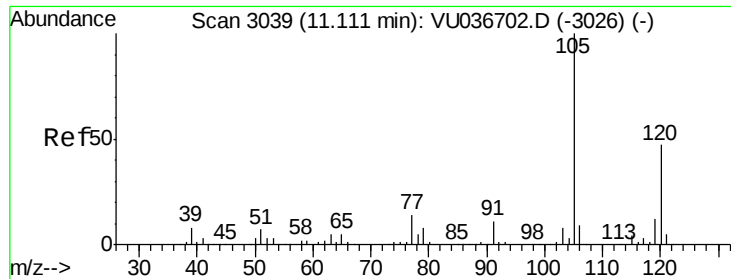
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.1	39.1
110	34.9	26.9	40.3



#61
 Isopropylbenzene
 Concen: 50.291 ug/L
 RT: 10.51 min Scan# 2852
 Delta R.T. 0.00 min
 Lab File: VU036713.D
 Acq: 10 Feb 2020 16:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.2	30.4
77	16.5	13.0	19.6

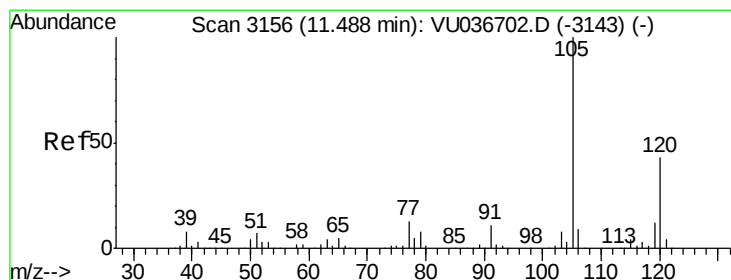
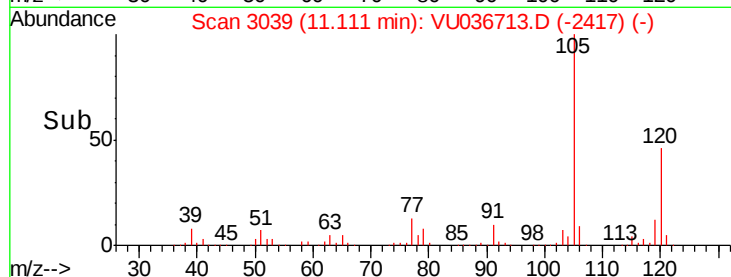
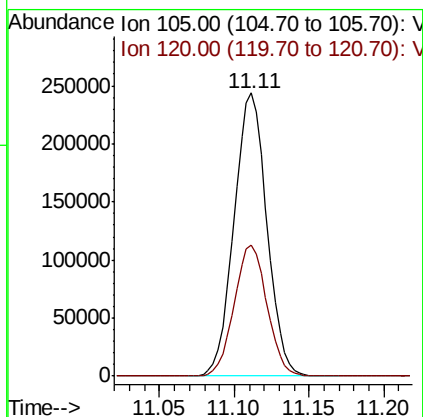
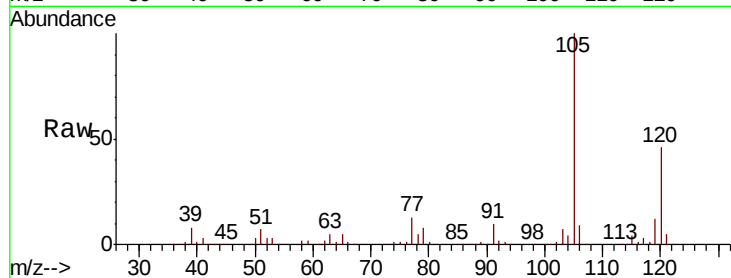




#62
 1,3,5-Trimethylbenzene
 Concen: 50.398 ug/L
 RT: 11.11 min Scan# 3039
 Delta R.T. -0.00 min
 Lab File: VU036713.D
 Acq: 10 Feb 2020 16:41

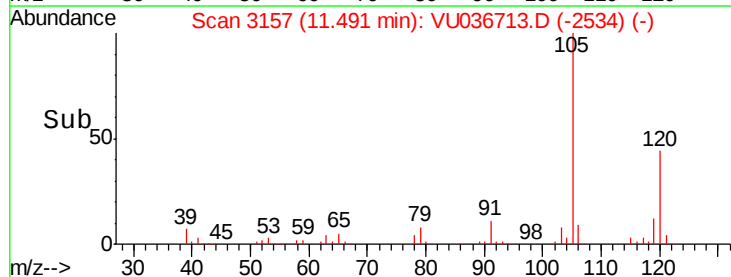
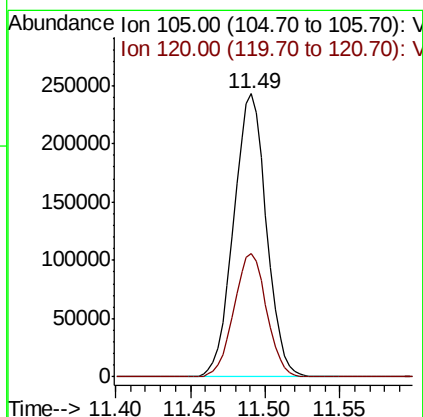
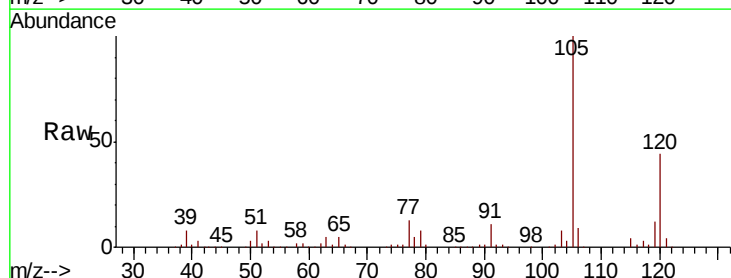
Instrument :
 MSVOA_U
 ClientSampled :

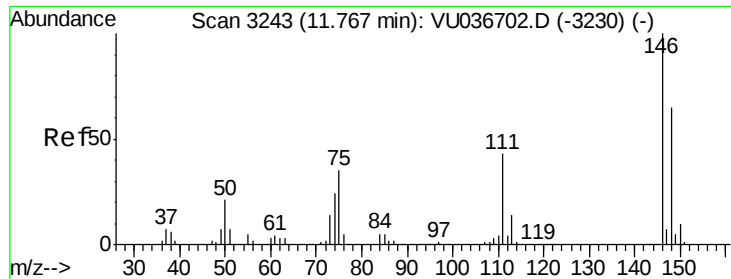
Tot Ion:105 Resp: 371437
 Ion Ratio Lower Upper
 105 100
 120 46.3 37.1 55.7



#63
 1,2,4-Trimethylbenzene
 Concen: 50.154 ug/L
 RT: 11.49 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU036713.D
 Acq: 10 Feb 2020 16:41

Tgt Ion:105 Resp: 369102
 Ion Ratio Lower Upper
 105 100
 120 43.5 34.7 52.1

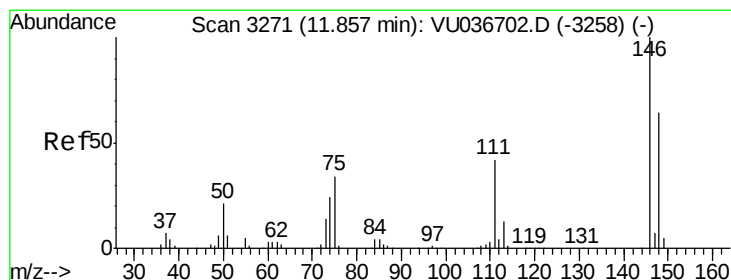
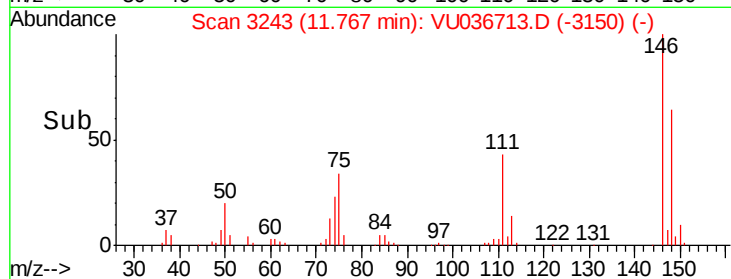
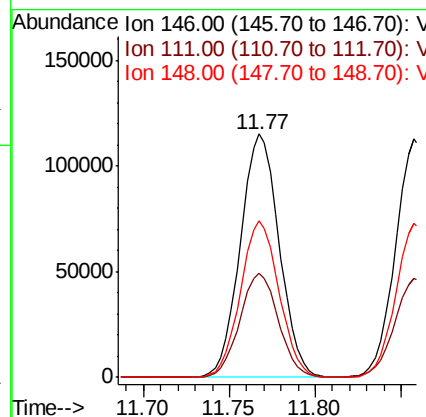
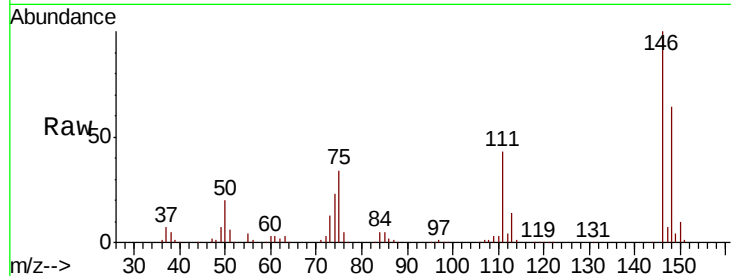




#64
 1,3-Dichlorobenzene
 Concen: 49.976 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. -0.00 min
 Lab File: VU036713.D
 Acq: 10 Feb 2020 16:41

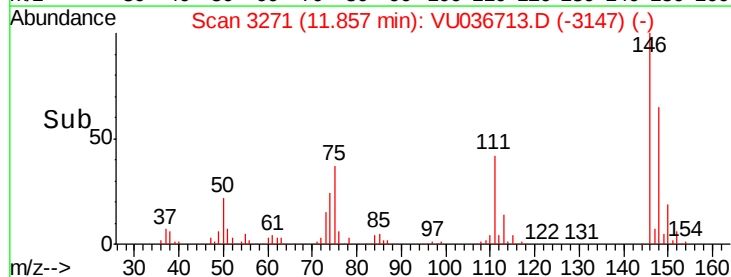
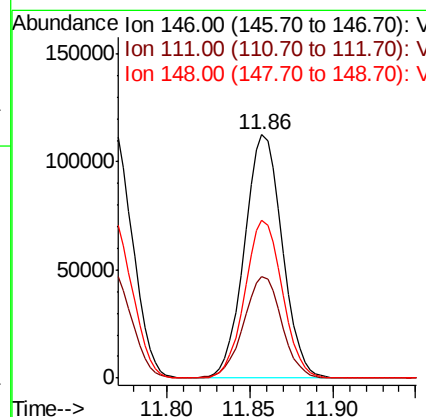
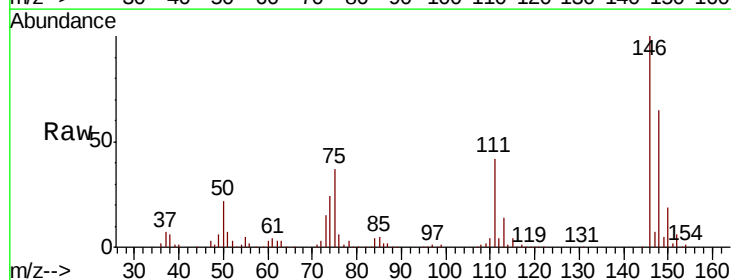
Instrument :
 MSVOA_U
 ClientSampled :

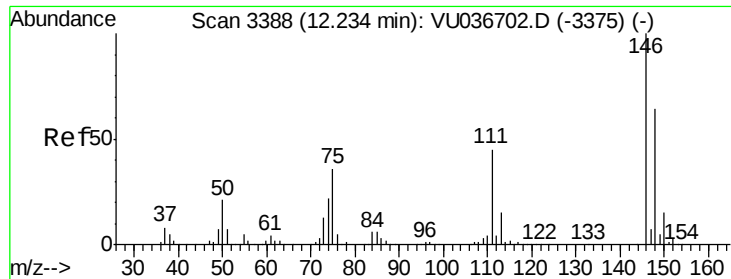
Tot Ion:146 Resp: 180669
 Ion Ratio Lower Upper
 146 100
 111 42.5 30.4 56.4
 148 64.1 44.5 82.7



#65
 1,4-Dichlorobenzene
 Concen: 48.944 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. -0.00 min
 Lab File: VU036713.D
 Acq: 10 Feb 2020 16:41

Tgt Ion:146 Resp: 178135
 Ion Ratio Lower Upper
 146 100
 111 41.8 29.3 54.3
 148 64.8 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 49.712 ug/L

RT: 12.23 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VU036713.D

Acq: 10 Feb 2020 16:41

Instrument :

MSVOA_U

ClientSampleId :

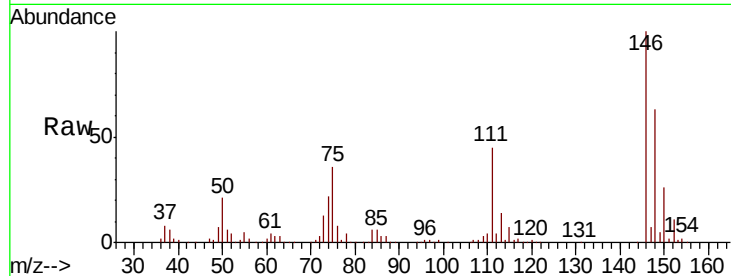
Tot Ion:146 Resp: 181954

Ion Ratio Lower Upper

146 100

111 44.7 35.4 53.0

148 63.3 50.4 75.6

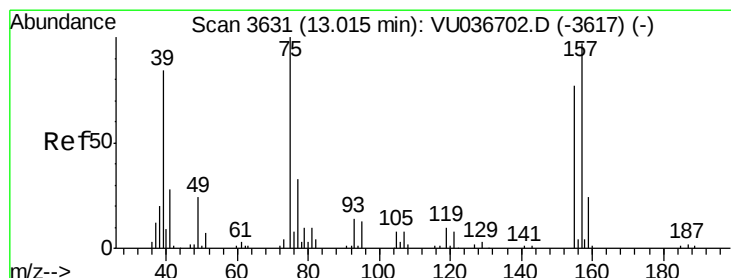
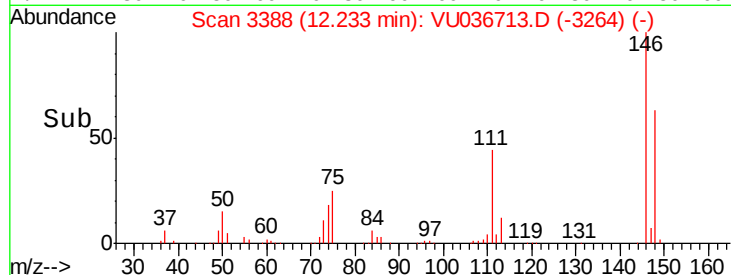
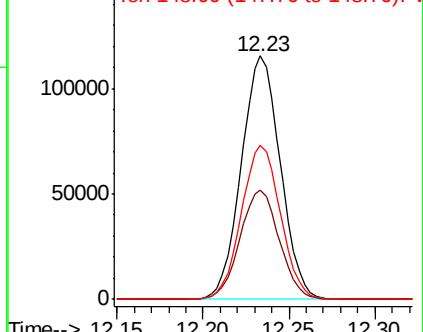


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 49.433 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VU036713.D

Acq: 10 Feb 2020 16:41

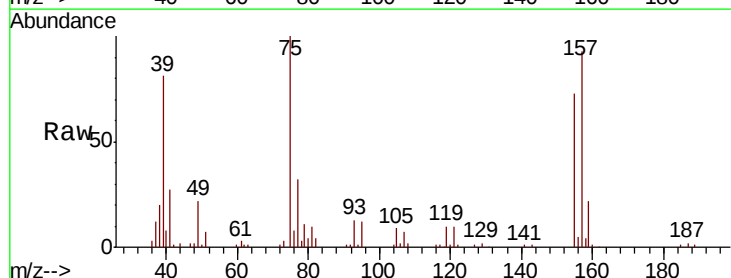
Tgt Ion: 75 Resp: 38362

Ion Ratio Lower Upper

75 100

155 72.7 58.7 88.1

157 92.7 77.8 116.6

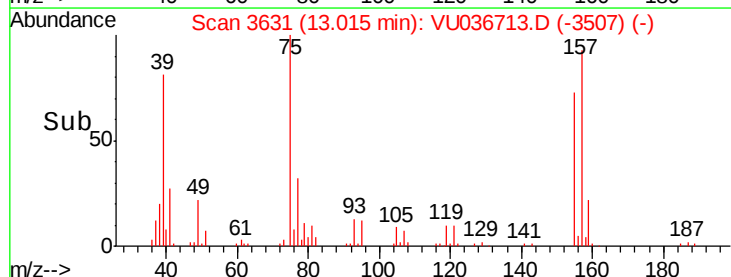
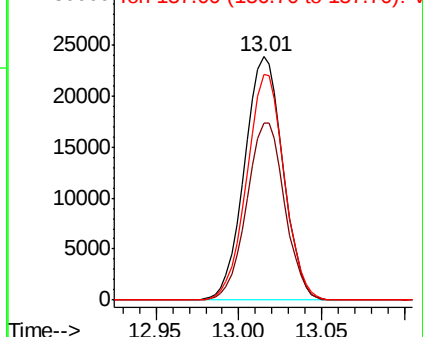


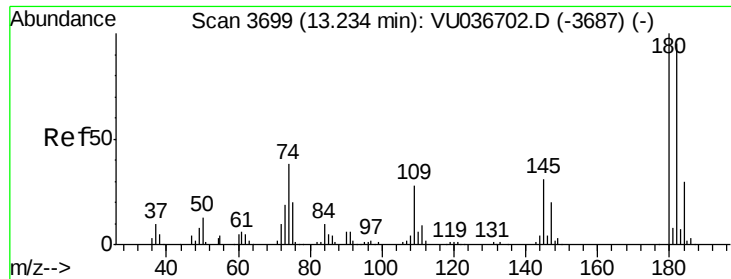
Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

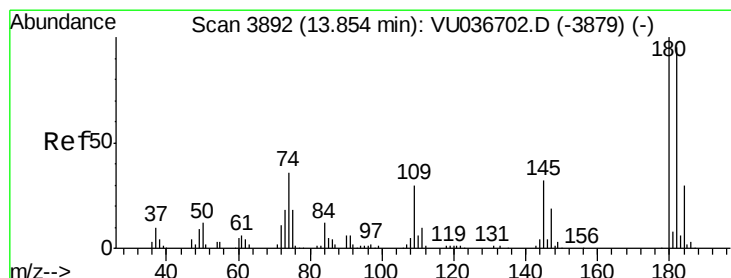
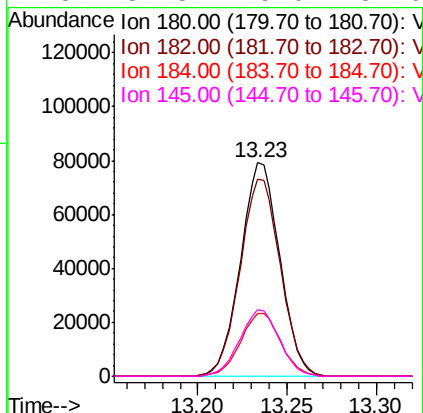
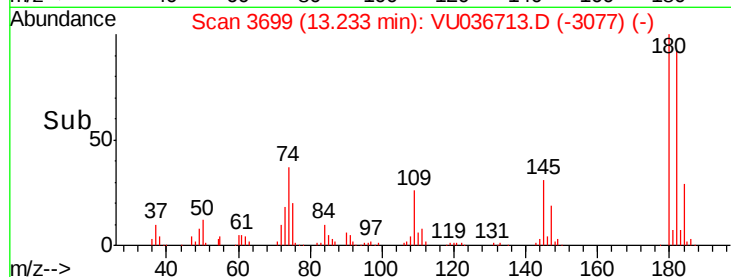
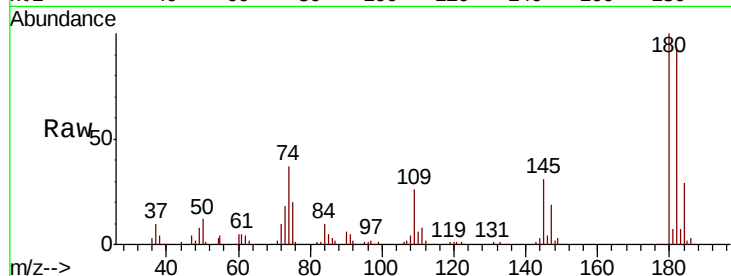




#69
 1,3,5-Trichlorobenzene
 Concen: 48.645 ug/L
 RT: 13.23 min Scan# 3699
 Delta R.T. -0.00 min
 Lab File: VU036713.D
 Acq: 10 Feb 2020 16:41

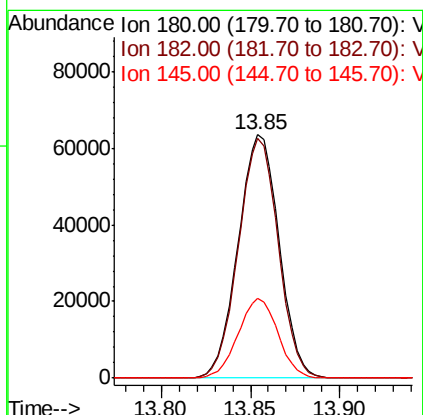
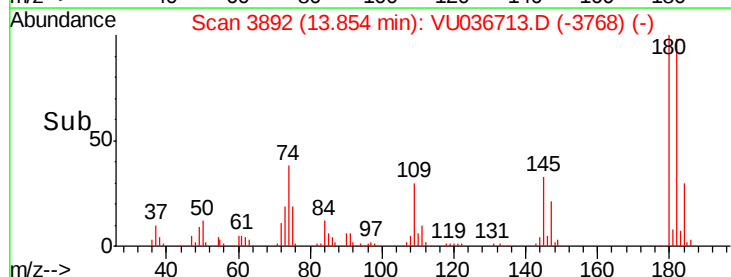
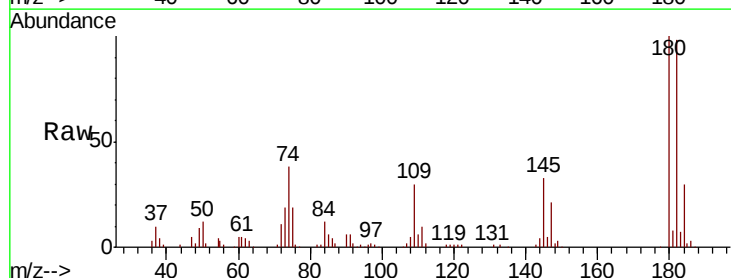
Instrument :
 MSVOA_U
 ClientSampleId :

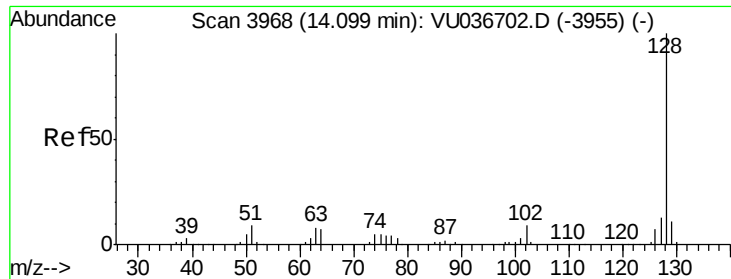
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.2	114.4
184	30.0	23.8	35.6
145	31.5	25.0	37.6



#70
 1,2,4-trichlorobenzene
 Concen: 48.556 ug/L
 RT: 13.85 min Scan# 3892
 Delta R.T. -0.00 min
 Lab File: VU036713.D
 Acq: 10 Feb 2020 16:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.1	114.1
145	31.8	25.7	38.5

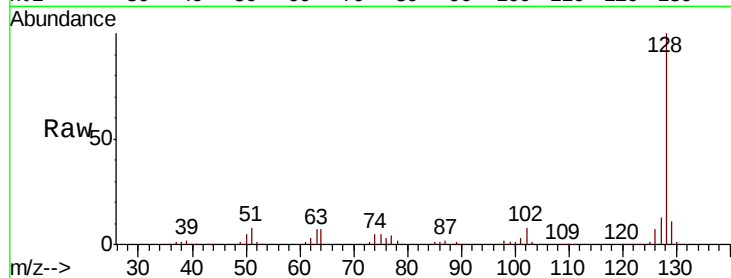




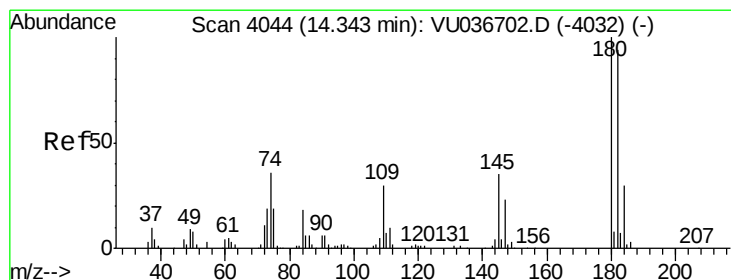
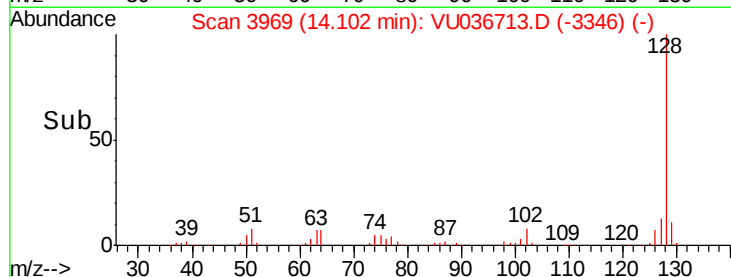
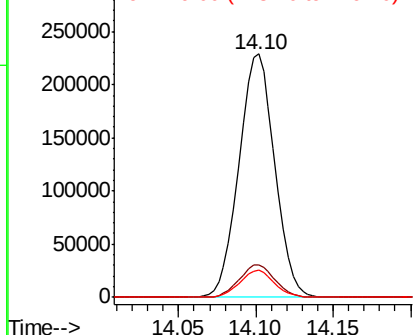
#71
Naphthalene
Concen: 49.767 ug/L
RT: 14.10 min Scan# 3969
Delta R.T. 0.00 min
Lab File: VU036713.D
Acq: 10 Feb 2020 16:41

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 366697
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 10.8 8.5 12.7

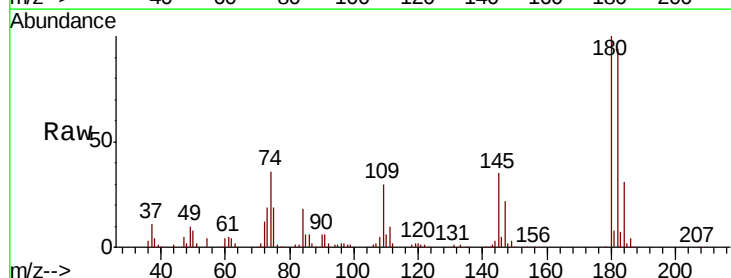


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 47.820 ug/L
RT: 14.34 min Scan# 4044
Delta R.T. -0.00 min
Lab File: VU036713.D
Acq: 10 Feb 2020 16:41

Tgt Ion:180 Resp: 99587
Ion Ratio Lower Upper
180 100
182 95.1 76.8 115.2
145 34.6 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

