

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U030920\
 Data File : VU037130.D
 Acq On : 09 Mar 2020 12:58
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Quant Time: Mar 09 15:29:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Mar 09 15:28:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.15	96	15512	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.65	95	6317	1.08	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	6243	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	7561	1.475 ug/l	99
3) Chloromethane	1.54	50	7561	1.375 ug/l	94
4) Vinyl Chloride	1.62	62	6500	1.044 ug/l	99
5) Bromomethane	1.87	94	2083	0.538 ug/l	92
6) Chloroethane	1.95	64	3263	0.885 ug/l	97
7) Trichlorofluoromethane	2.16	101	8257	1.342 ug/l	94
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	3889	1.015 ug/l	96
9) 1,1-Dichloroethene	2.61	96	3517	0.862 ug/l	76
10) Iodomethane	2.75	142	970	0.222 ug/l #	68
12) Acrylonitrile	3.36	53	747	0.747 ug/l #	1
13) Acetone	2.67	43	5509	6.755 ug/l #	78
14) Carbon Disulfide	2.82	76	12204	0.864 ug/l	98
15) Methylene Chloride	3.08	84	5295	0.986 ug/l	86
16) trans-1,2-Dichloroethene	3.39	96	3908	0.869 ug/l #	81
17) 1,1-Dichloroethane	3.91	63	8929	1.218 ug/l	96
18) 2-Butanone	4.78	43	7432	6.919 ug/l	98
19) Cyclohexane	5.42	56	6848	1.022 ug/l	94
20) Methylcyclohexane	6.79	83	7190	0.961 ug/l #	86
21) 2,2-Dichloropropane	4.70	77	8537	1.364 ug/l	91
22) cis-1,2-Dichloroethene	4.71	96	4962	1.063 ug/l	80
23) Diethyl Ether	2.40	59	3135	0.995 ug/l #	85
24) tert-Butyl Alcohol	3.22	59	165	0.586 ug/l #	72
25) Methyl tert-Butyl Ether	3.41	73	10816	1.012 ug/l #	62
26) Bromochloromethane	5.01	128	2165	1.071 ug/l	79
27) Chloroform	5.13	83	9902	1.365 ug/l	98
28) 1,1,1-Trichloroethane	5.36	97	8508	1.399 ug/l	97
29) 1,1-Dichloropropene	5.56	75	6198	1.044 ug/l	96
30) Carbon Tetrachloride	5.56	117	6754	1.297 ug/l	95
31) Isopropyl Ether	4.05	45	13696	1.230 ug/l	83
32) Ethyl-t-butyl ether	4.56	59	12996	1.116 ug/l	94
33) Tert-Amyl methyl ether	5.98	73	11444	1.073 ug/l	96
34) Propionitrile	4.86	54	2011	6.495 ug/l #	77
35) Benzene	5.81	78	18576	1.081 ug/l	92
36) 1,2-Dichloroethane	5.84	62	6923	1.496 ug/l #	93
37) Trichloroethene	6.57	130	5149	1.085 ug/l	89
38) 1,2-Dichloropropane	6.82	63	5214	1.207 ug/l	90
39) Methacrylonitrile	5.03	41	1734	1.333 ug/l #	76
40) Methyl acrylate	4.90	55	2593	1.257 ug/l #	81
41) Tetrahydrofuran	5.12	42	1888	2.663 ug/l #	65
42) 1-Chlorobutane	5.49	56	9460	1.230 ug/l	78
43) Dibromomethane	6.95	93	2736	1.213 ug/l	91

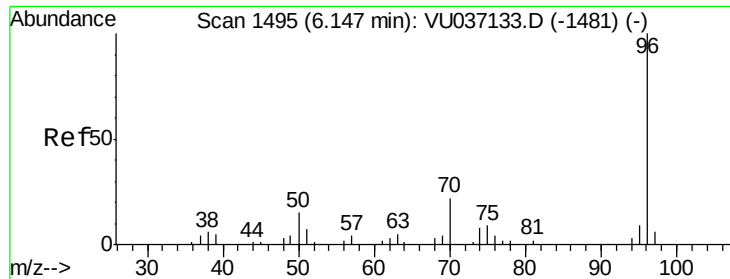
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U030920\
 Data File : VU037130.D
 Acq On : 09 Mar 2020 12:58
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Quant Time: Mar 09 15:29:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Bromodichloromethane	7.14	83	6713	1.258	ug/l	97
45) 4-Methyl-2-Pentanone	7.83	43	17516	6.893	ug/l #	85
46) t-1,4-Dichloro-2-butene	10.85	75	5608	5.011	ug/l #	64
47) Methyl methacrylate	7.00	69	4208	1.904	ug/l #	66
48) Ethyl methacrylate	8.37	69	4154	0.973	ug/l	62
49) Toluene	8.00	92	10721	0.977	ug/l	96
50) t-1,3-Dichloropropene	8.24	75	6167	1.160	ug/l	92
51) cis-1,3-Dichloropropene	7.64	75	6916	1.073	ug/l #	77
52) 1,1,2-Trichloroethane	8.43	97	3703	1.157	ug/l	96
53) 1,3-Dichloropropane	8.60	76	6435	1.173	ug/l	98
54) 2-Hexanone	8.72	43	11920	6.688	ug/l	84
55) Dibromochloromethane	8.84	129	4151	1.127	ug/l	96
56) 1,2-Dibromoethane	8.95	107	3241	1.052	ug/l	99
58) Tetrachloroethene	8.58	164	4803	1.013	ug/l	96
59) Chlorobenzene	9.47	112	12580	1.029	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.56	131	4614	1.182	ug/l	92
61) Pentachloroethane	11.44	117	3488	1.385	ug/l	92
62) Hexachloroethane	12.49	117	3645	1.136	ug/l #	79
63) Ethyl Benzene	9.59	91	20204	0.986	ug/l	97
64) m/p-Xylenes	9.72	106	15154	1.869	ug/l	93
65) o-Xylene	10.12	106	7417	0.945	ug/l	92
66) Styrene	10.14	104	11398	0.867	ug/l #	92
67) Bromoform	10.31	173	2148	1.018	ug/l #	96
69) Isopropylbenzene	10.50	105	19736	0.957	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.80	83	4728	1.171	ug/l #	95
71) 1,2,3-Trichloropropane	10.85	75	5608	1.947	ug/l	67
72) Bromobenzene	10.80	156	5064	1.019	ug/l	90
73) n-propylbenzene	10.92	120	5195	0.898	ug/l	75
74) 2-Chlorotoluene	11.01	126	4726	0.951	ug/l	80
75) 1,3,5-Trimethylbenzene	11.11	105	17284	0.977	ug/l	91
76) 4-Chlorotoluene	11.12	126	4738	0.923	ug/l	75
77) tert-Butylbenzene	11.44	119	16734	0.998	ug/l	95
78) 1,2,4-Trimethylbenzene	11.48	105	16389	0.899	ug/l	95
79) sec-Butylbenzene	11.66	105	22411	0.964	ug/l	95
80) Nitrobenzene	13.25	77	151	2.606	ug/l #	40
81) p-Isopropyltoluene	11.81	119	16980	0.874	ug/l	93
82) 1,3-Dichlorobenzene	11.76	146	9809	0.987	ug/l	98
83) 1,4-Dichlorobenzene	11.86	146	9866	0.993	ug/l	97
84) n-Butylbenzene	12.23	91	15921	0.886	ug/l	93
85) 1,2-Dichlorobenzene	12.23	146	9762	1.026	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	13.02	75	795	1.163	ug/l #	67
87) 1,2,4-Trichlorobenzene	13.88	180	4125	0.678	ug/l	98
88) Hexachlorobutadiene	14.06	225	2879	0.863	ug/l	98
89) Naphthalene	14.13	128	6005	0.573	ug/l	98
90) 1,2,3-Trichlorobenzene	14.37	180	4324	0.756	ug/l	95

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 96 Resp: 15512

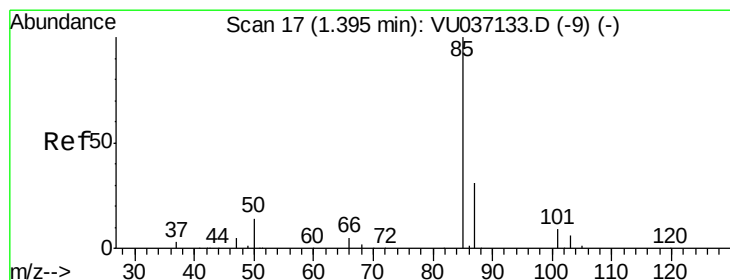
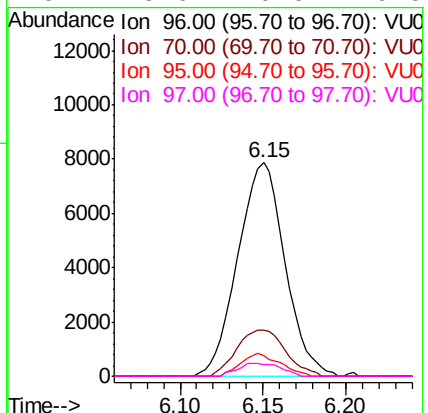
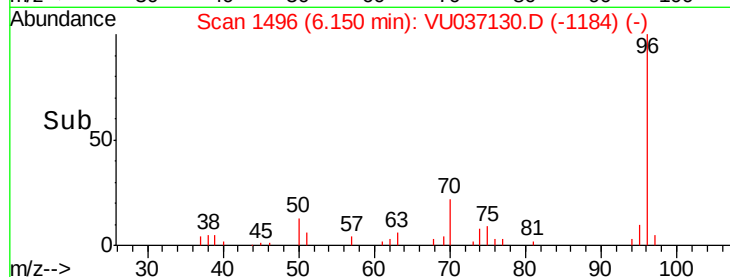
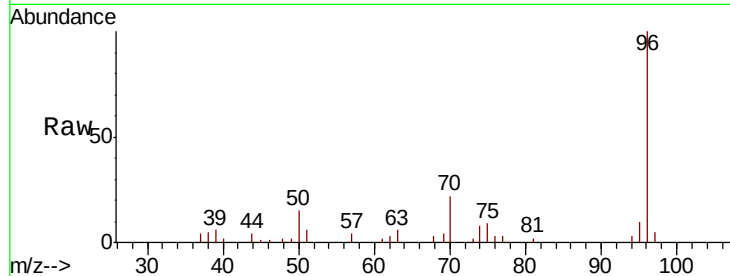
Ion Ratio Lower Upper

96 100

70 22.5 15.6 23.4

95 8.9 7.0 10.6

97 5.6 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 1.475 ug/l

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037130.D

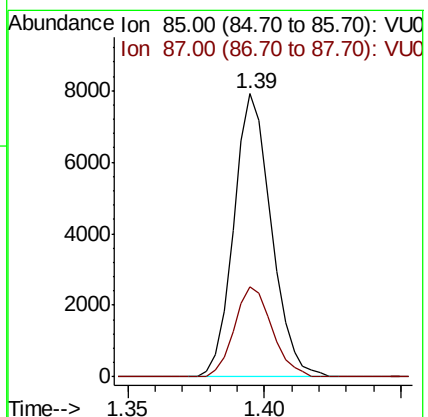
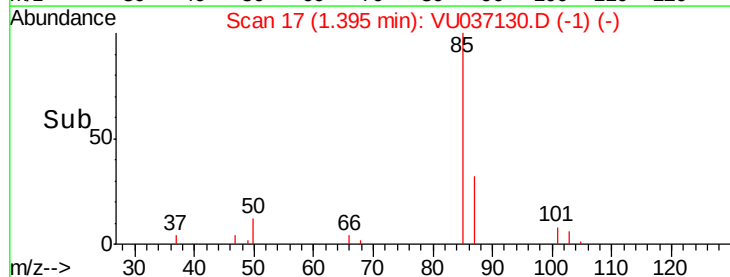
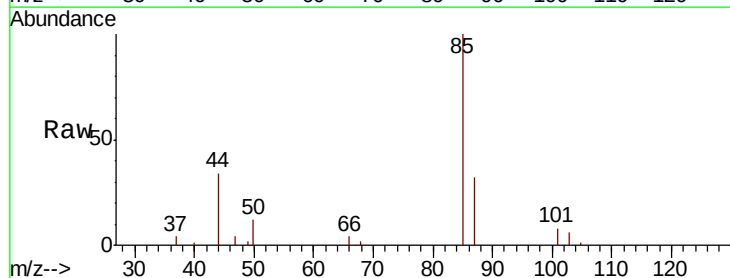
Acq: 09 Mar 2020 12:58

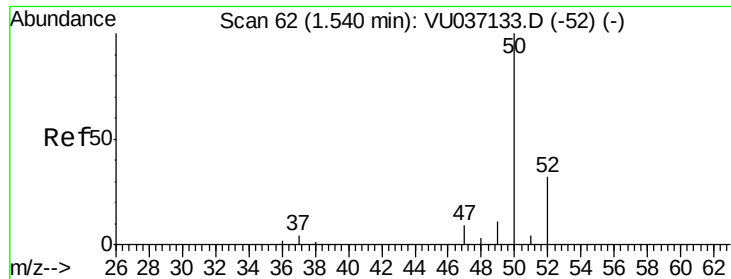
Tgt Ion: 85 Resp: 7561

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.2





#3

Chloromethane

Concen: 1.375 ug/l

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

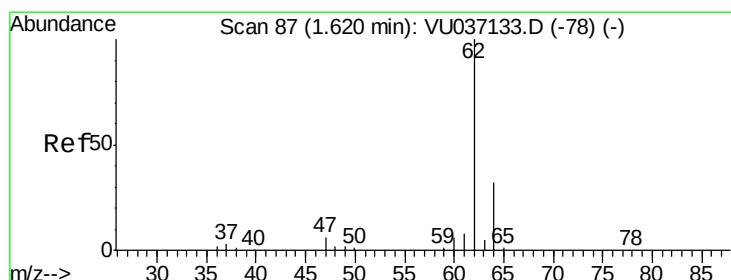
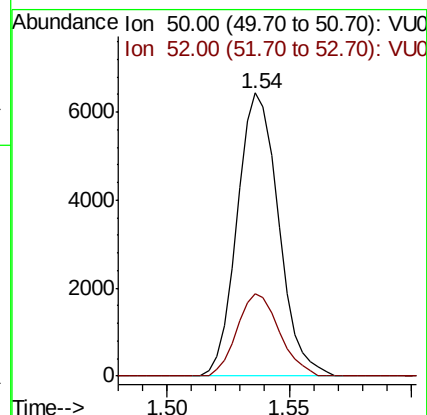
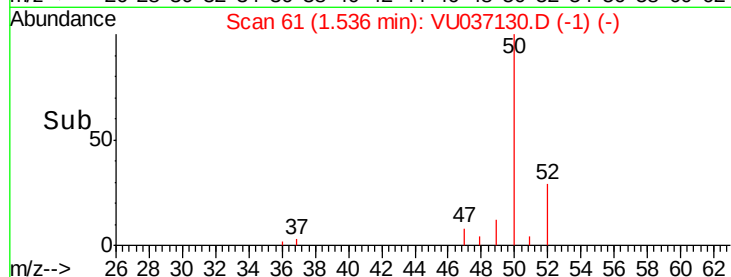
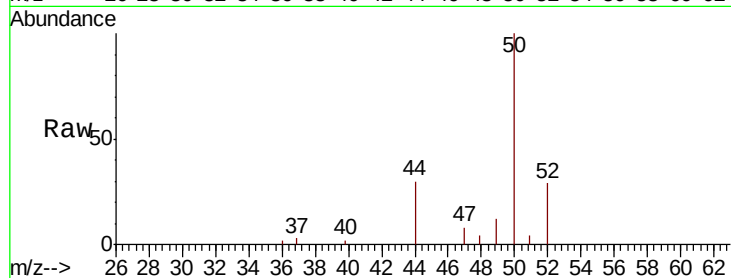
VSTDIC001

Tot Ion: 50 Resp: 7561

Ion Ratio Lower Upper

50 100

52 29.0 26.0 39.0



#4

Vinyl Chloride

Concen: 1.044 ug/l

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037130.D

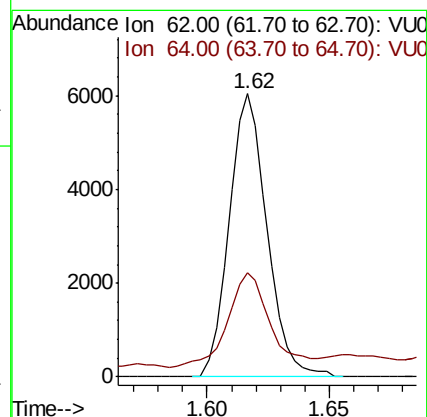
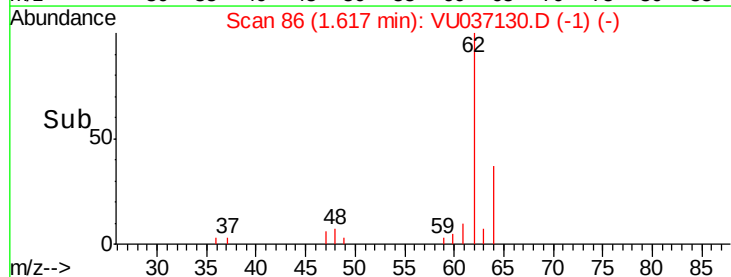
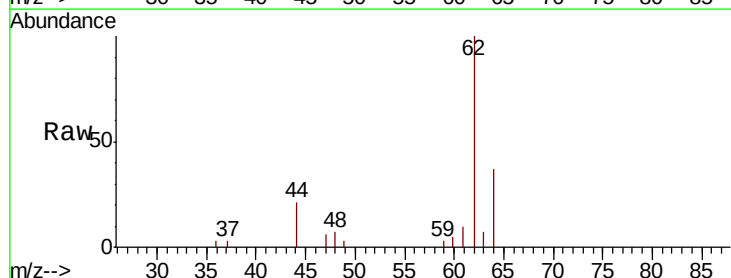
Acq: 09 Mar 2020 12:58

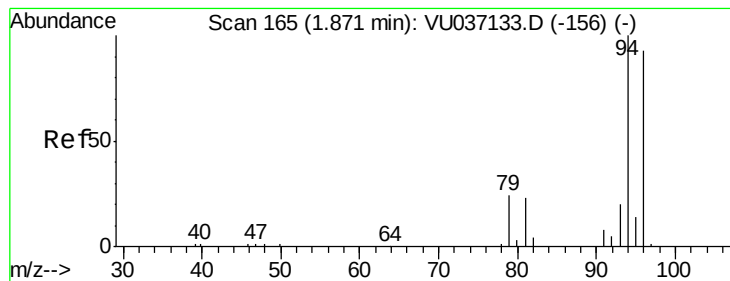
Tgt Ion: 62 Resp: 6500

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.2





#5

Bromomethane

Concen: 0.538 ug/l

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

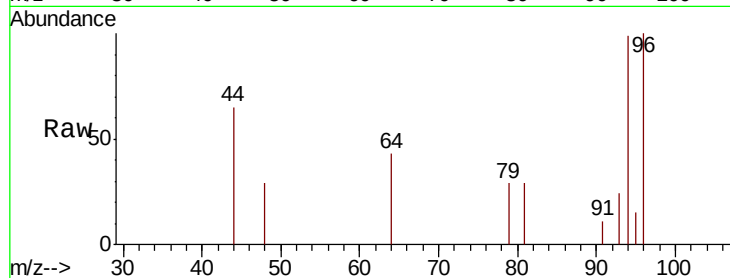
VSTDIC001

Tot Ion: 94 Resp: 2083

Ion Ratio Lower Upper

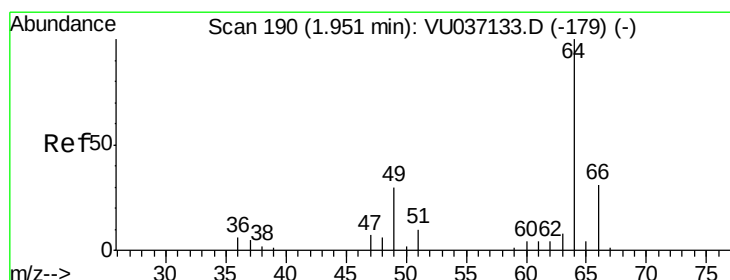
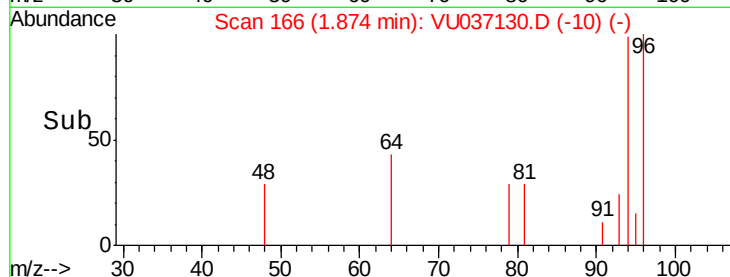
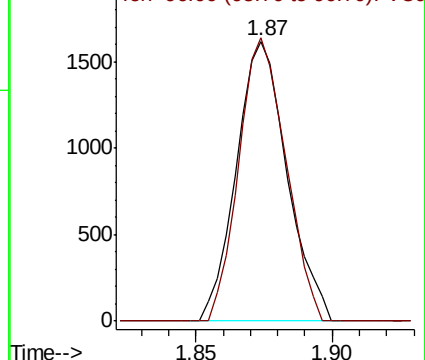
94 100

96 101.1 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 0.885 ug/l

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU037130.D

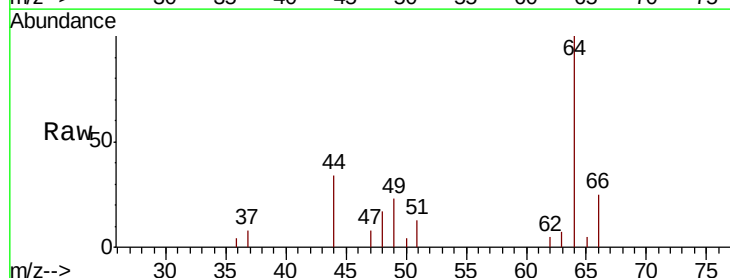
Acq: 09 Mar 2020 12:58

Tgt Ion: 64 Resp: 3263

Ion Ratio Lower Upper

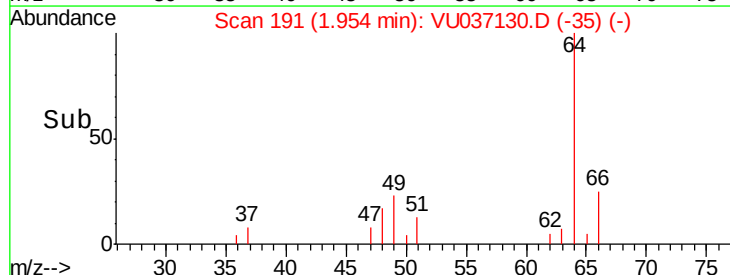
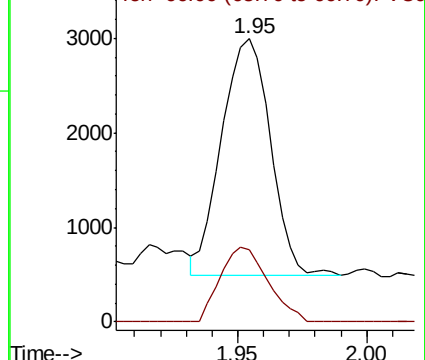
64 100

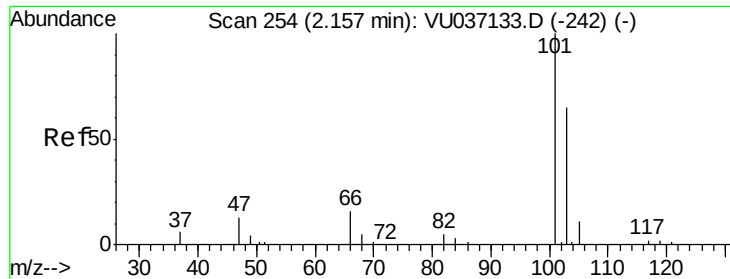
66 30.5 25.5 38.3



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



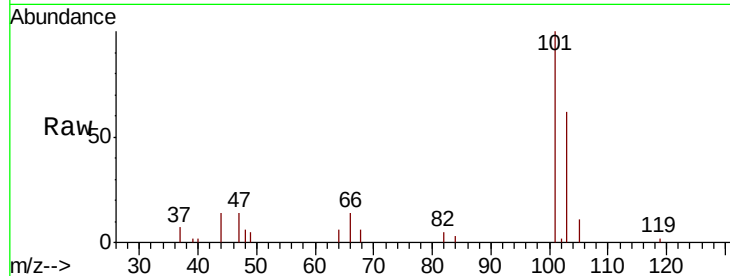


#7

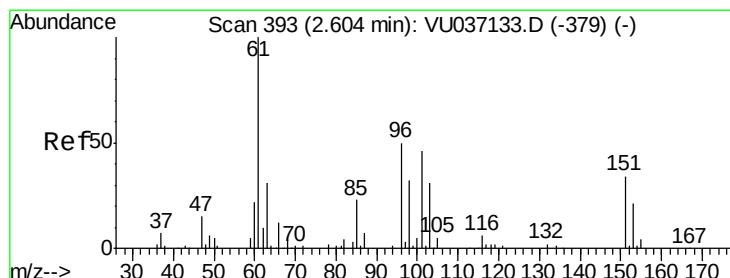
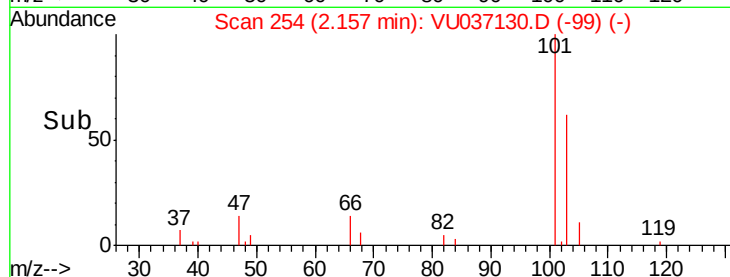
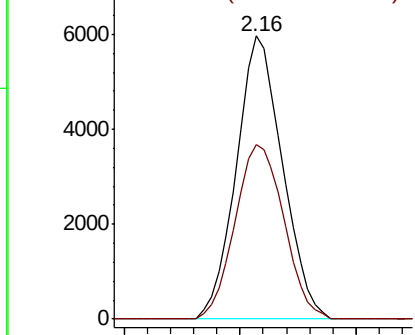
Trichlorofluoromethane
Concen: 1.342 ug/l
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:101 Resp: 8257
Ion Ratio Lower Upper
101 100
103 61.8 53.0 79.6



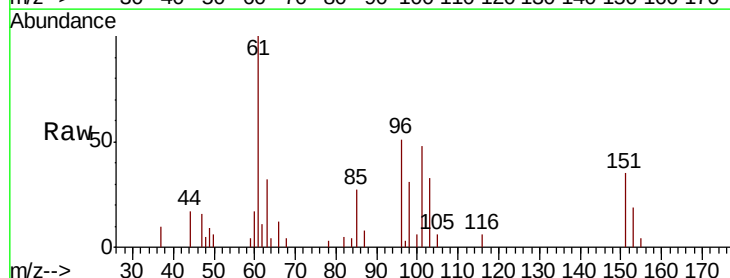
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



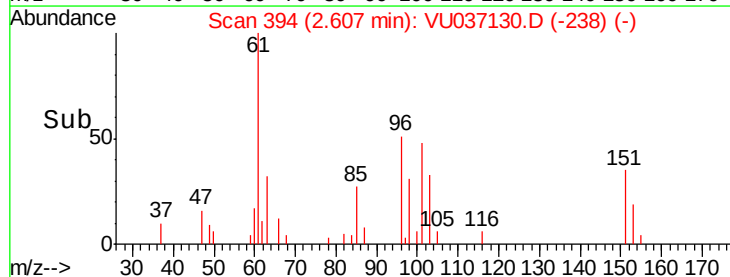
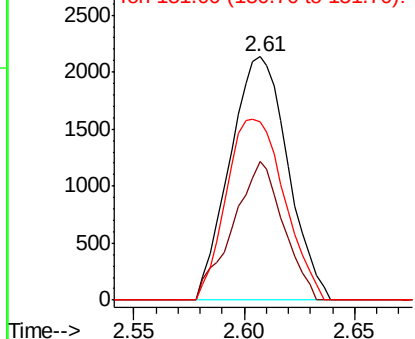
#8

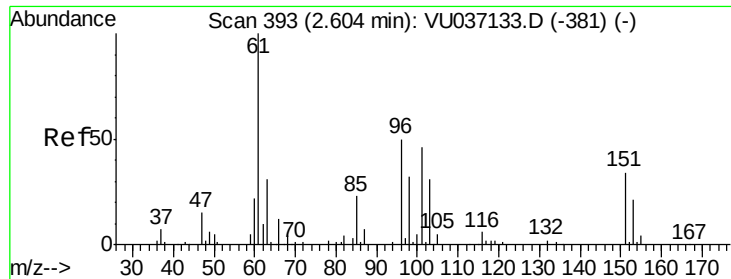
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.015 ug/l
RT: 2.61 min Scan# 394
Delta R.T. 0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Tgt Ion:101 Resp: 3889
Ion Ratio Lower Upper
101 100
85 49.6 33.9 50.9
151 74.9 59.8 89.8



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VU
Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 0.862 ug/l

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

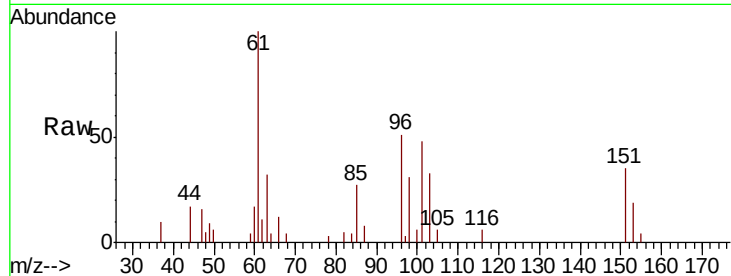
Tot Ion: 96 Resp: 3517

Ion Ratio Lower Upper

96 100

61 194.2 0.0 463.2

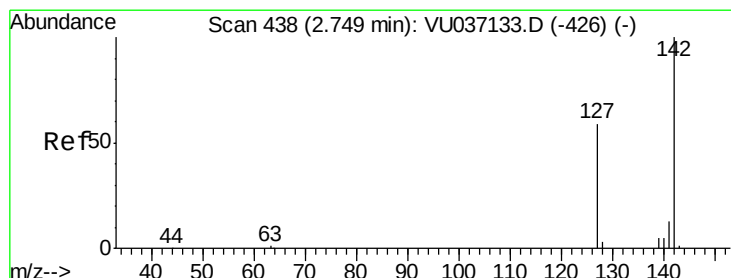
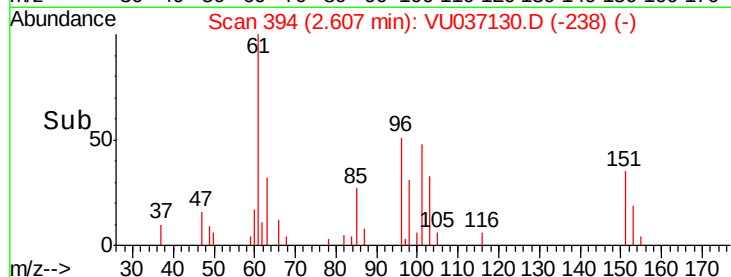
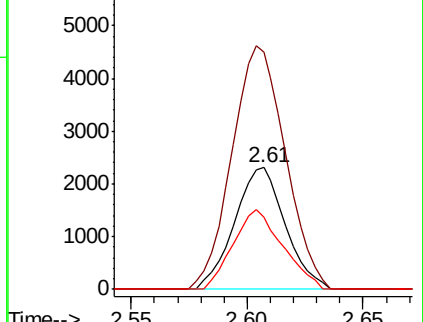
98 59.4 0.0 130.0



Abundance Ion 96.00 (95.70 to 96.70): VU037133.D (-381) (-)

Ion 61.00 (60.70 to 61.70): VU037133.D (-381) (-)

Ion 98.00 (97.70 to 98.70): VU037133.D (-381) (-)



#10

Iodomethane

Concen: 0.222 ug/l

RT: 2.75 min Scan# 439

Delta R.T. 0.00 min

Lab File: VU037130.D

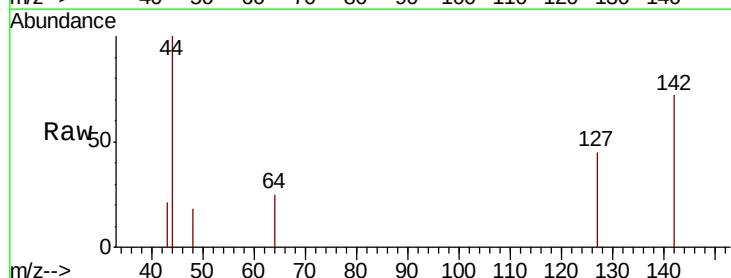
Acq: 09 Mar 2020 12:58

Tgt Ion:142 Resp: 970

Ion Ratio Lower Upper

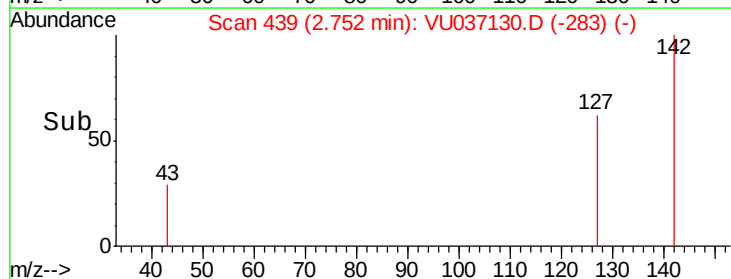
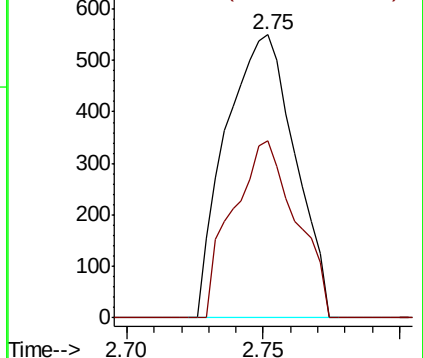
142 100

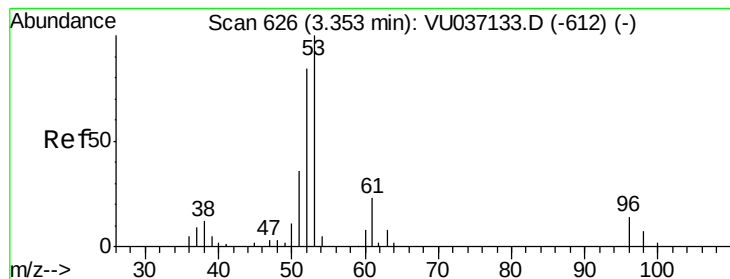
127 57.1 30.3 45.5#



Abundance Ion 142.00 (141.70 to 142.70): VU037133.D (-426) (-)

Ion 127.00 (126.70 to 127.70): VU037133.D (-426) (-)





#12

Acrylonitrile

Concen: 0.747 ug/l

RT: 3.36 min Scan# 629

Delta R.T. 0.01 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

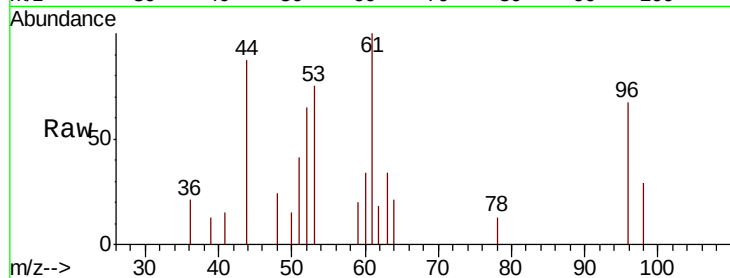
Tot Ion: 53 Resp: 747

Ion Ratio Lower Upper

53 100

52 216.3 64.6 97.0#

51 123.2 27.2 40.8#

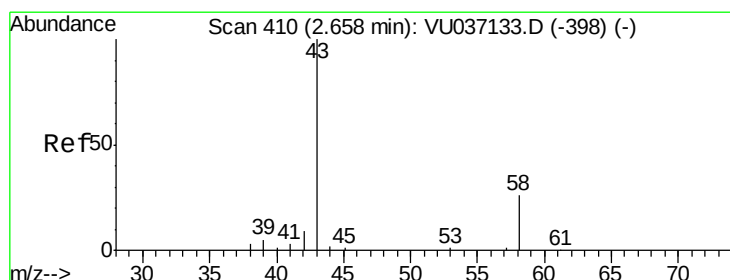
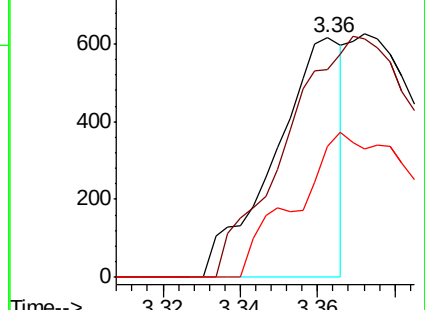
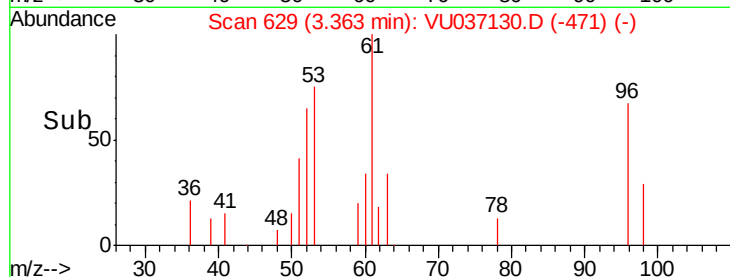


Abundance Ion 53.00 (52.70 to 53.70): VU037133.D (-612) (-)

Ion 52.00 (51.70 to 52.70): VU037133.D (-612) (-)

Ion 51.00 (50.70 to 51.70): VU037133.D (-612) (-)

Time-->



#13

Acetone

Concen: 6.755 ug/l

RT: 2.67 min Scan# 415

Delta R.T. 0.02 min

Lab File: VU037130.D

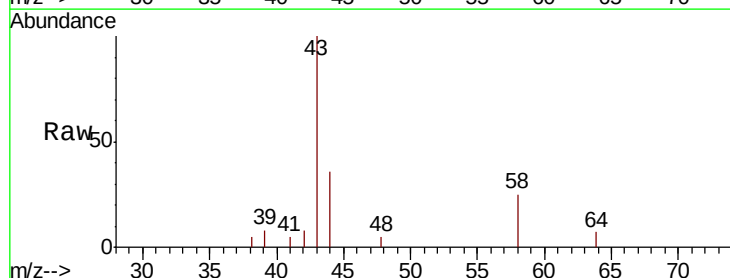
Acq: 09 Mar 2020 12:58

Tgt Ion: 43 Resp: 5509

Ion Ratio Lower Upper

43 100

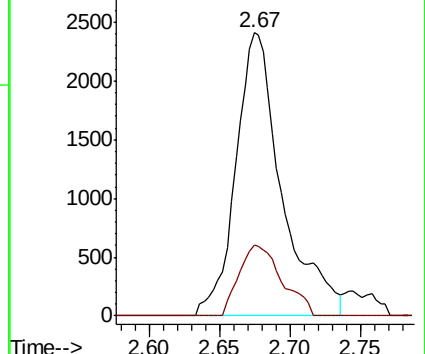
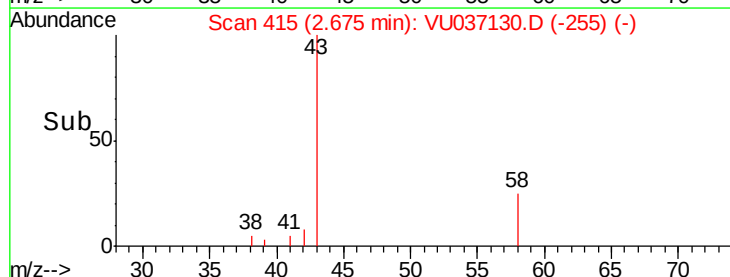
58 25.0 30.8 46.2#

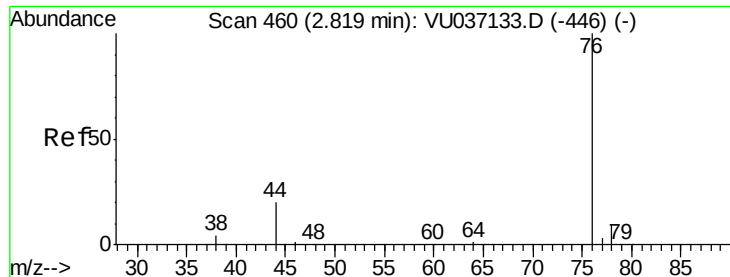


Abundance Ion 43.00 (42.70 to 43.70): VU037133.D (-398) (-)

Ion 58.00 (57.70 to 58.70): VU037133.D (-398) (-)

Time-->

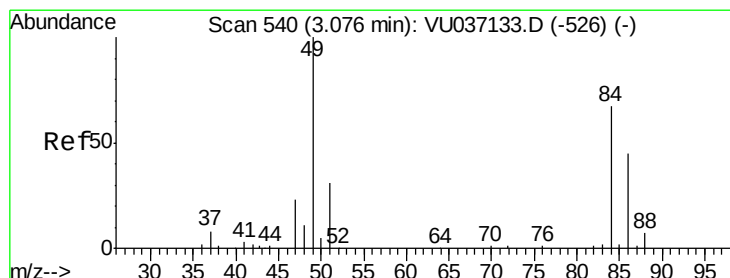
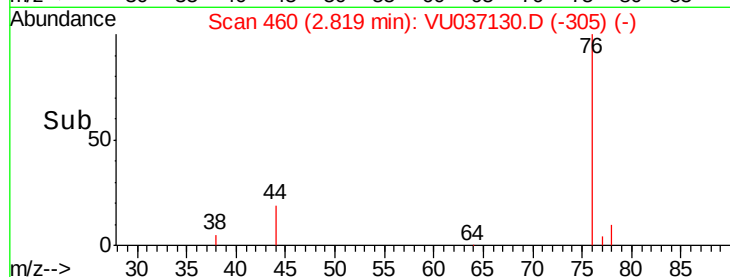
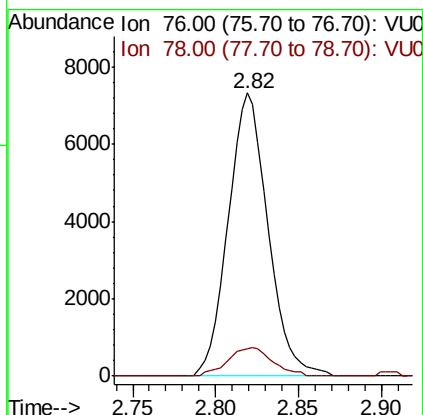
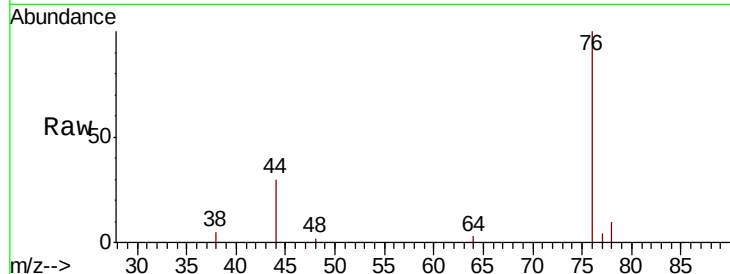




#14
Carbon Disulfide
Concen: 0.864 ug/l
RT: 2.82 min Scan# 460
Delta R.T. -0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

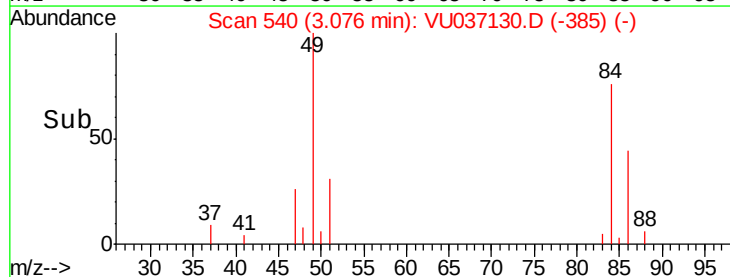
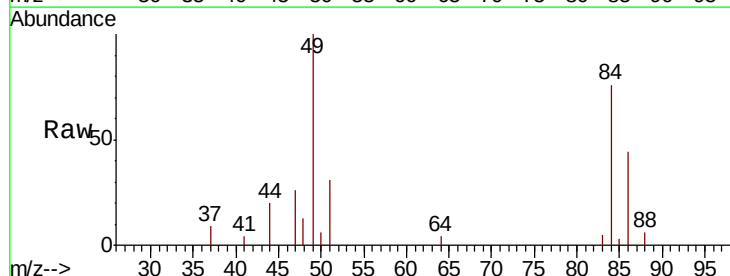
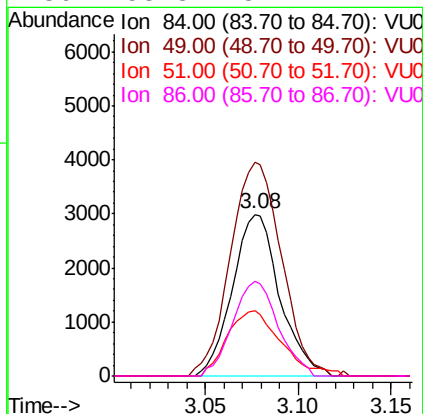
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

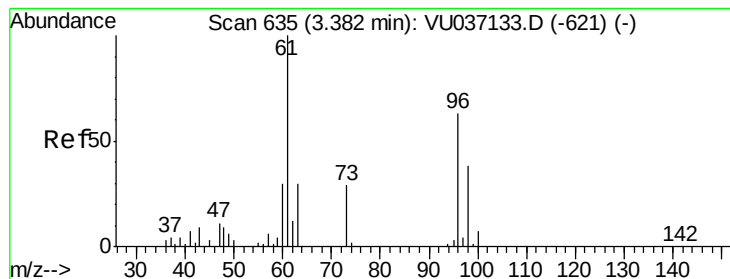
Tot Ion: 76 Resp: 12204
Ion Ratio Lower Upper
76 100
78 9.9 7.4 11.0



#15
Methylene Chloride
Concen: 0.986 ug/l
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Tgt Ion: 84 Resp: 5295
Ion Ratio Lower Upper
84 100
49 132.0 89.7 134.5
51 40.6 0.0 71.6
86 58.3 51.4 77.2





#16

trans-1,2-Dichloroethene

Concen: 0.869 ug/l

RT: 3.39 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

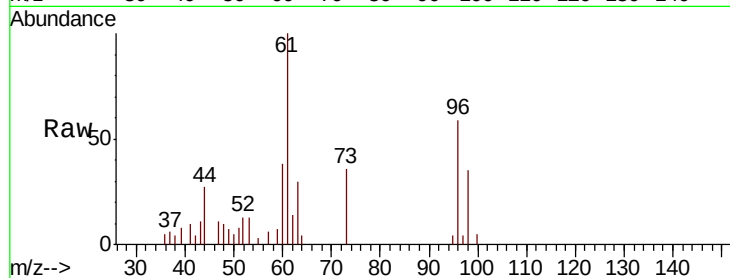
Tot Ion: 96 Resp: 3908

Ion Ratio Lower Upper

96 100

61 170.7 110.8 166.2#

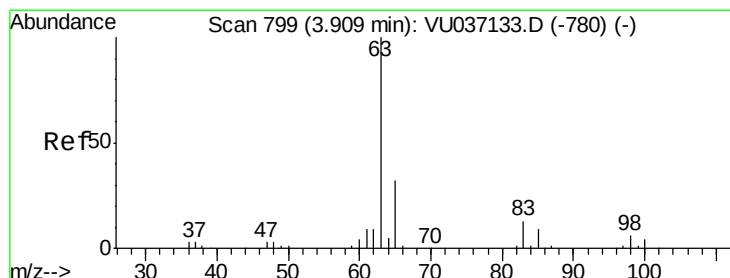
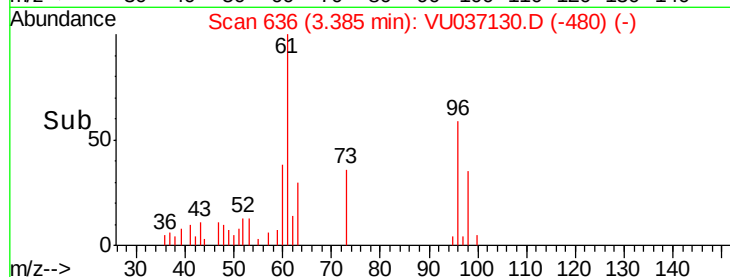
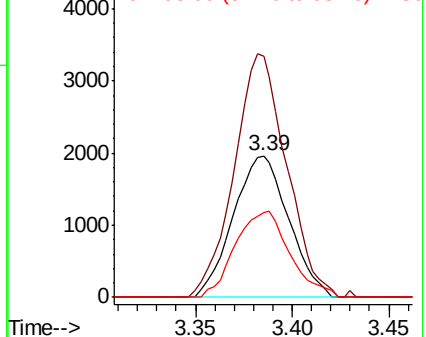
98 60.3 50.3 75.5



Abundance Ion 96.00 (95.70 to 96.70): VU037133.D (-621) (-)

Ion 61.00 (60.70 to 61.70): VU037133.D (-621) (-)

Ion 98.00 (97.70 to 98.70): VU037133.D (-621) (-)



#17

1,1-Dichloroethane

Concen: 1.218 ug/l

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

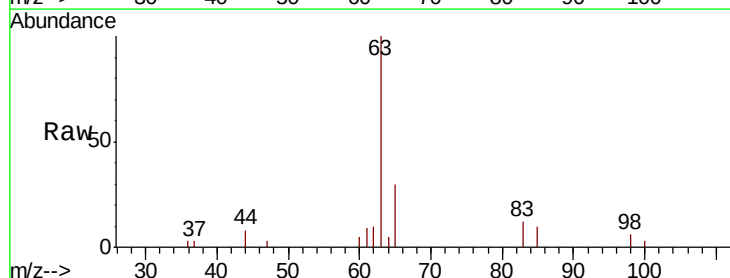
Tgt Ion: 63 Resp: 8929

Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.5

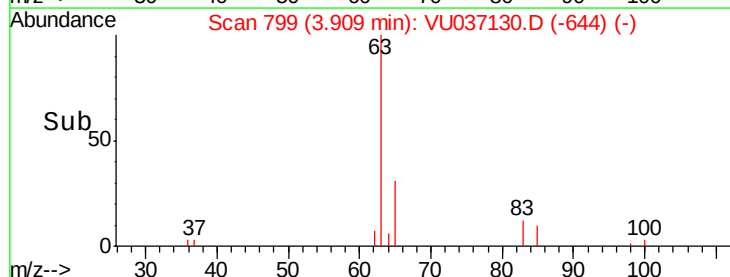
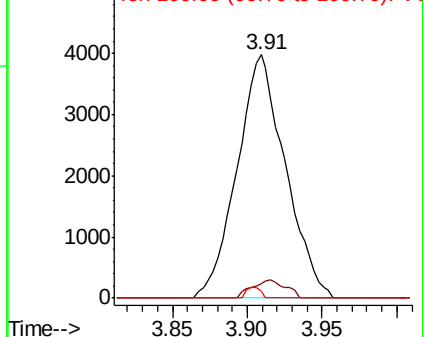
100 3.0 2.4 7.1

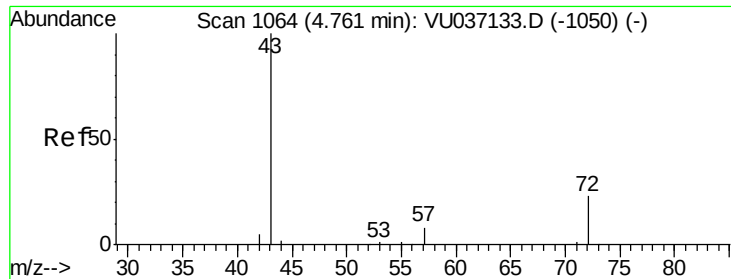


Abundance Ion 63.00 (62.70 to 63.70): VU037133.D (-780) (-)

Ion 98.00 (97.70 to 98.70): VU037133.D (-780) (-)

Ion 100.00 (99.70 to 100.70): VU037133.D (-780) (-)

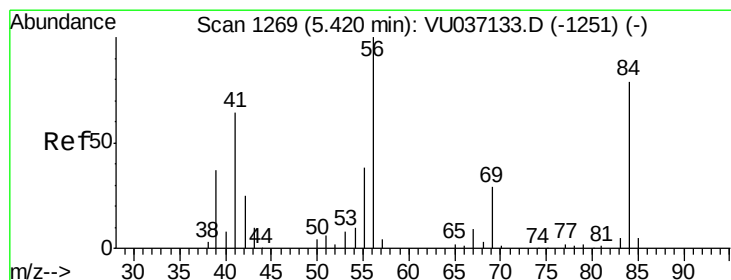
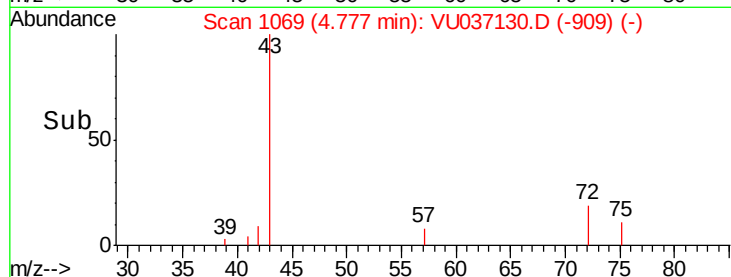
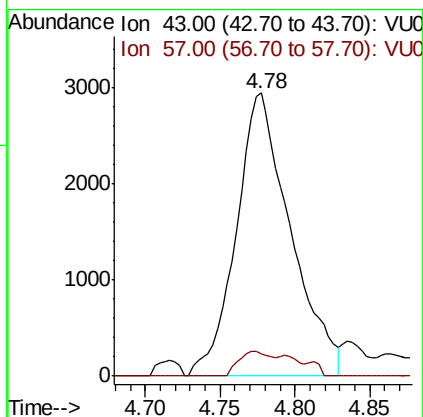
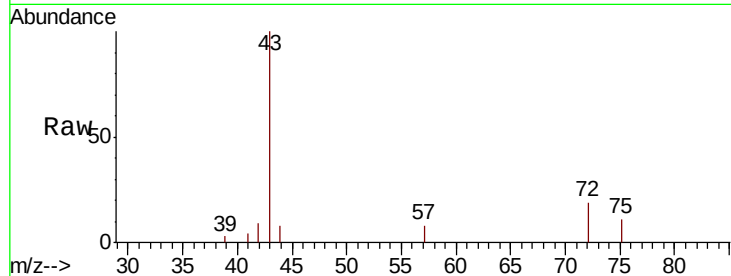




#18
2-Butanone
Concen: 6.919 ug/l
RT: 4.78 min Scan# 1069
Delta R.T. 0.02 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

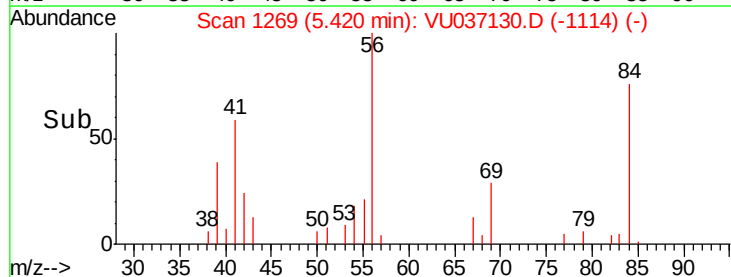
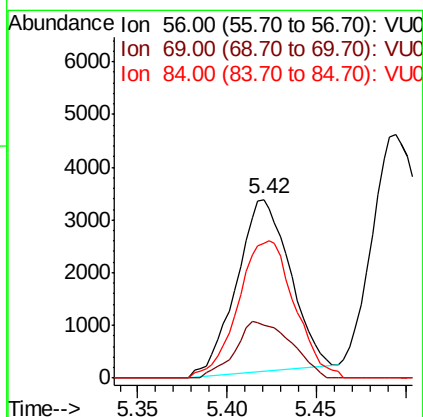
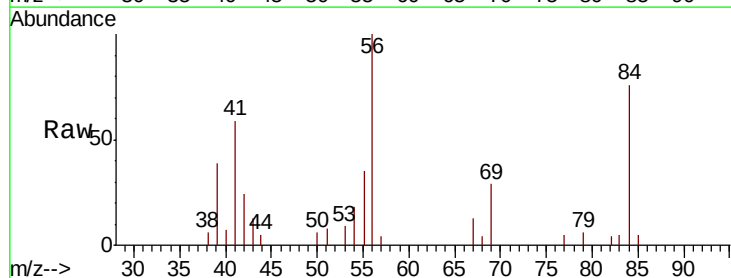
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

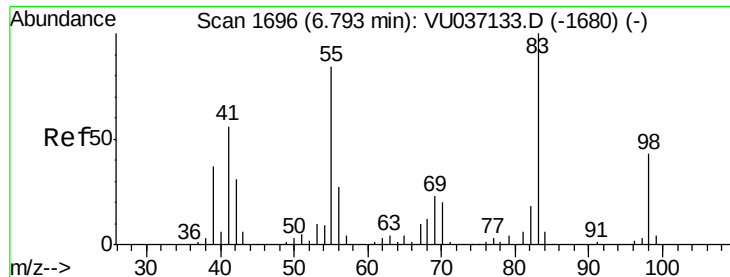
Tot Ion: 43 Resp: 7432
Ion Ratio Lower Upper
43 100
57 8.1 0.0 17.8



#19
Cyclohexane
Concen: 1.022 ug/l
RT: 5.42 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Tgt Ion: 56 Resp: 6848
Ion Ratio Lower Upper
56 100
69 34.3 26.2 39.2
84 84.0 72.8 109.2

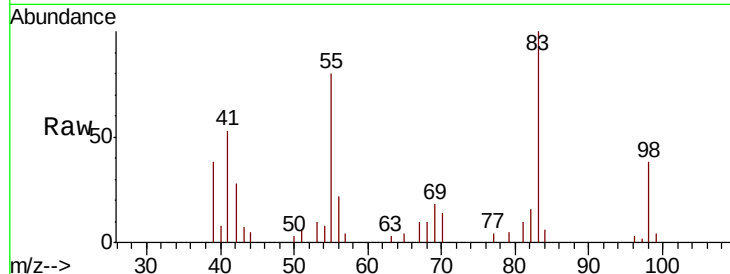




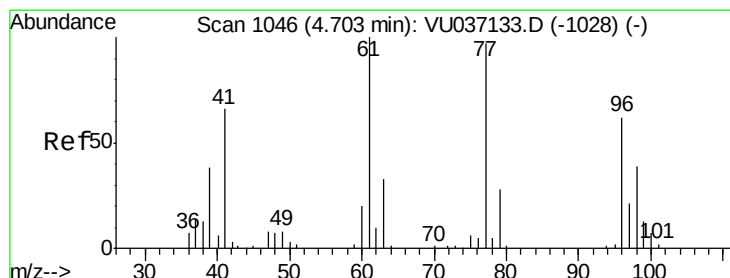
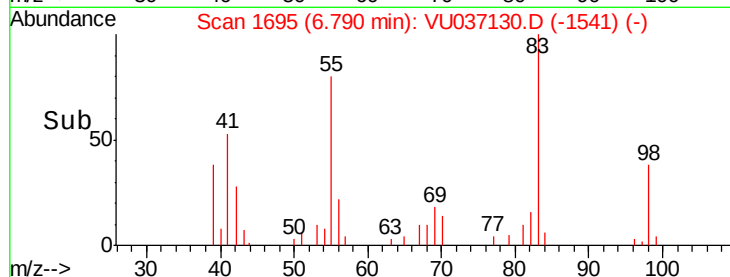
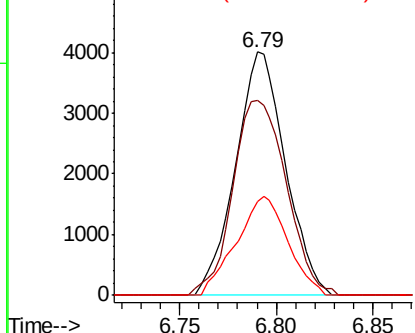
#20
Methylvlcyclohexane
Concen: 0.961 ug/l
RT: 6.79 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 83 Resp: 7190
Ion Ratio Lower Upper
83 100
55 86.1 56.6 85.0#
98 42.0 37.5 56.3

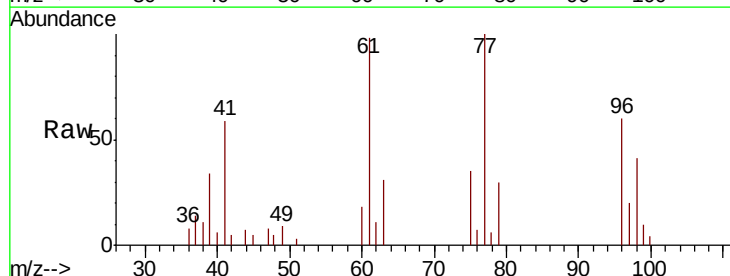


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

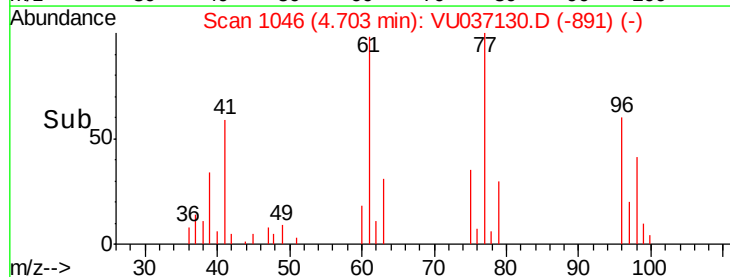
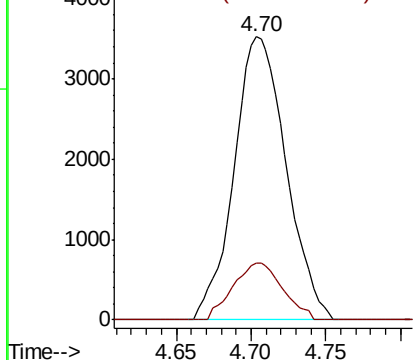


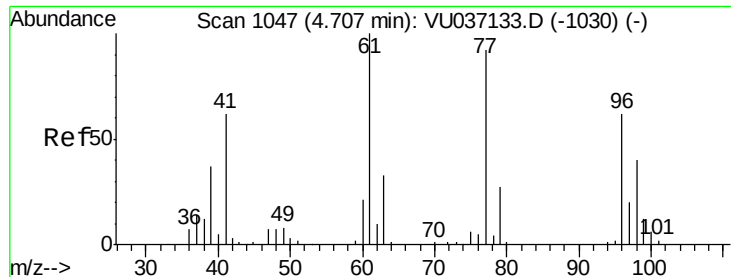
#21
2,2-Dichloropropane
Concen: 1.364 ug/l
RT: 4.70 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Tgt Ion: 77 Resp: 8537
Ion Ratio Lower Upper
77 100
97 19.2 19.0 28.4



Abundance Ion 77.00 (76.70 to 77.70): VU0
Ion 97.00 (96.70 to 97.70): VU0





#22

cis-1,2-Dichloroethene

Concen: 1.063 ug/l

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

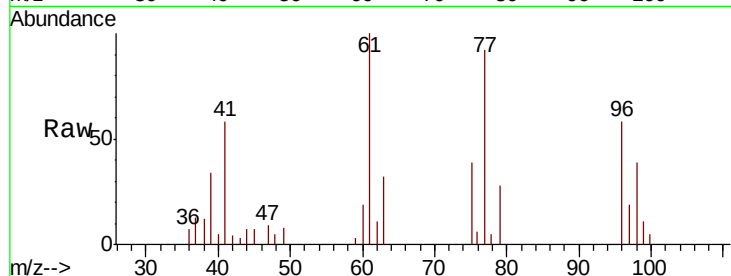
Tot Ion: 96 Resp: 4962

Ion Ratio Lower Upper

96 100

61 169.3 0.0 342.0

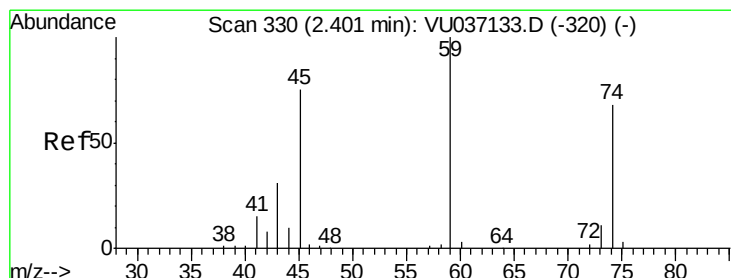
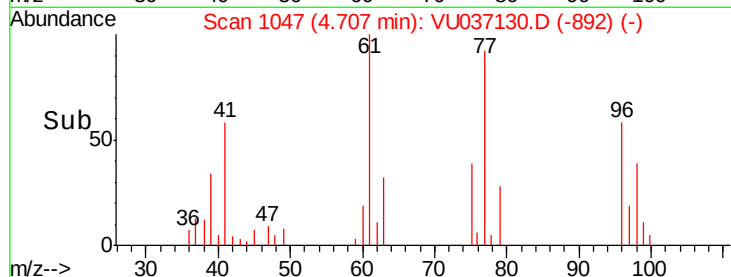
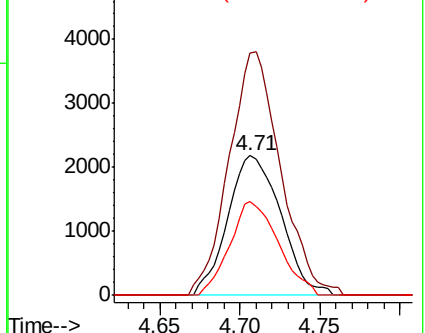
98 61.3 32.0 96.0



Abundance Ion 96.00 (95.70 to 96.70): VU037133.D (-1030) (-)

Ion 61.00 (60.70 to 61.70): VU037133.D (-1030) (-)

Ion 98.00 (97.70 to 98.70): VU037133.D (-1030) (-)



#23

Diethyl Ether

Concen: 0.995 ug/l

RT: 2.40 min Scan# 331

Delta R.T. 0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

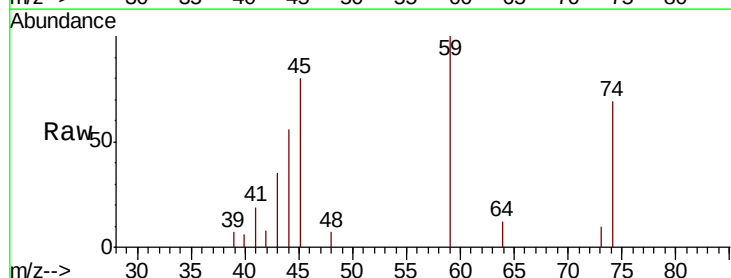
Tgt Ion: 59 Resp: 3135

Ion Ratio Lower Upper

59 100

45 80.8 52.4 78.6#

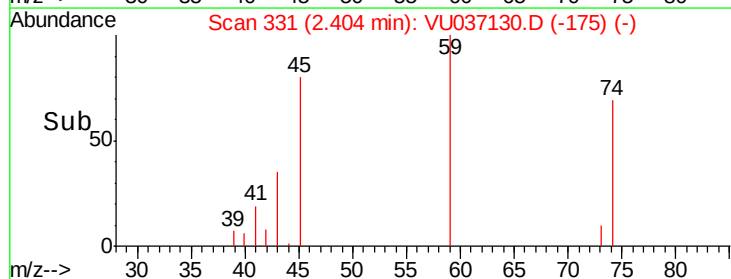
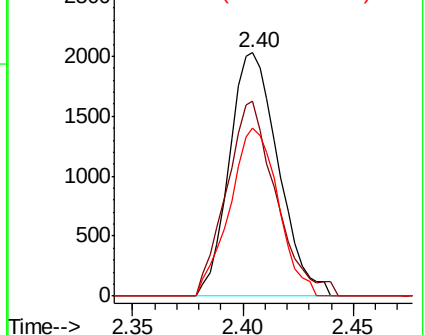
74 68.0 62.1 93.1

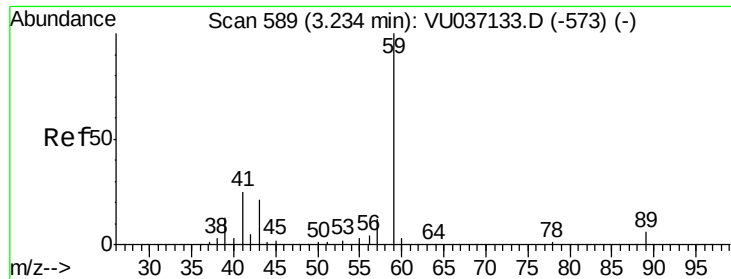


Abundance Ion 59.00 (58.70 to 59.70): VU037133.D (-320) (-)

Ion 45.00 (44.70 to 45.70): VU037133.D (-320) (-)

Ion 74.00 (73.70 to 74.70): VU037133.D (-320) (-)





#24

tert-Butyl Alcohol

Concen: 0.586 ug/l

RT: 3.22 min Scan# 586

Delta R.T. -0.01 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

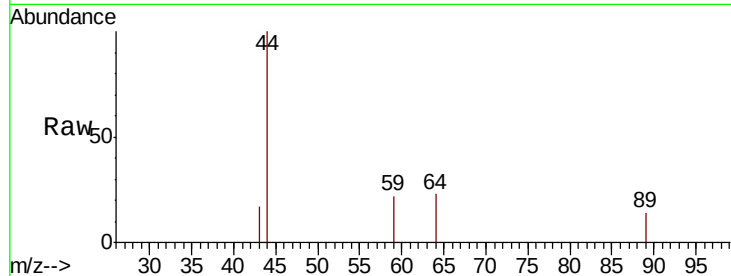
VSTDIC001

Tot Ion: 59 Resp: 165

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VU037130.D (-573) (-)

Ion 57.00 (56.70 to 57.70): VU037130.D (-573) (-)

400

300

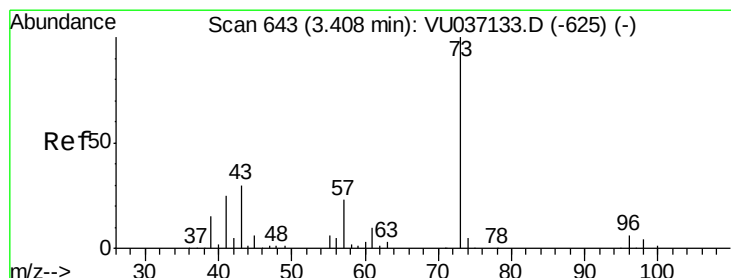
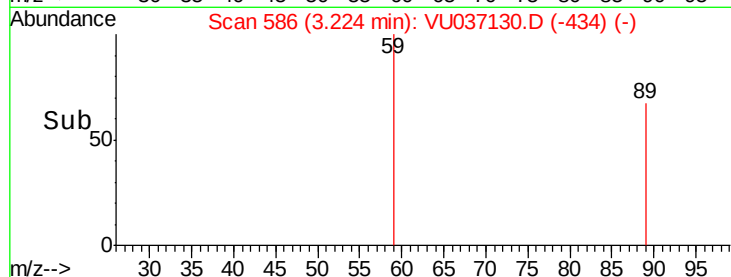
200

100

0

3.20 3.21 3.22 3.23 3.24

Time-->



#25

Methyl tert-Butyl Ether

Concen: 1.012 ug/l

RT: 3.41 min Scan# 645

Delta R.T. 0.01 min

Lab File: VU037130.D

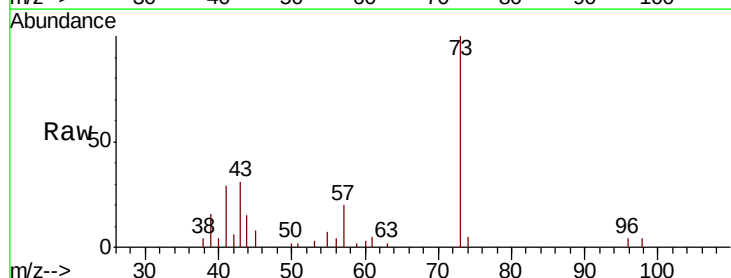
Acq: 09 Mar 2020 12:58

Tgt Ion: 73 Resp: 10816

Ion Ratio Lower Upper

73 100

43 34.9 14.5 21.7#



Abundance Ion 73.00 (72.70 to 73.70): VU037130.D (-625) (-)

Ion 43.00 (42.70 to 43.70): VU037130.D (-625) (-)

5000

4000

3000

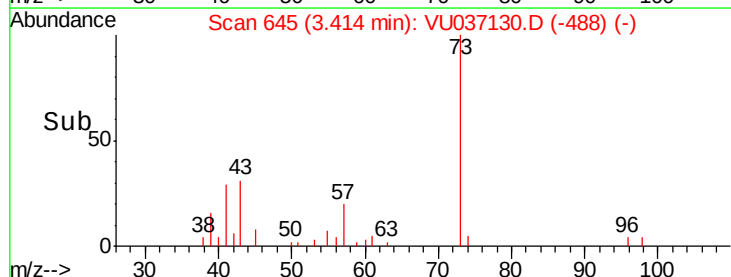
2000

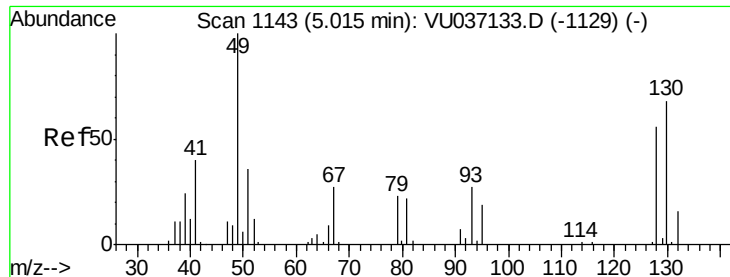
1000

0

3.35 3.40 3.45 3.50

Time-->

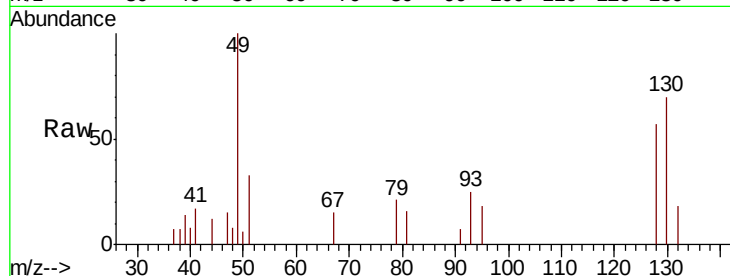




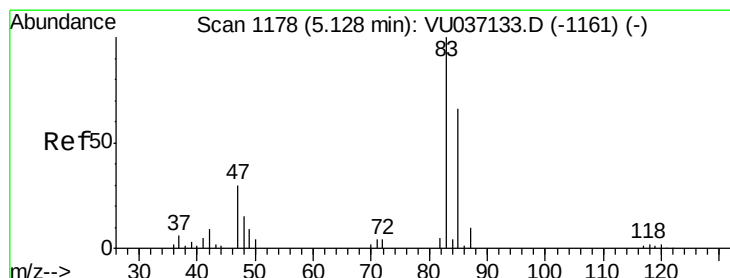
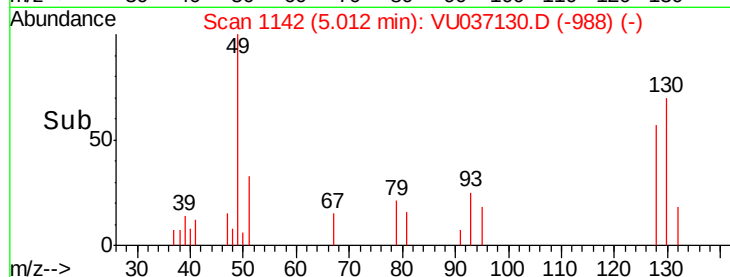
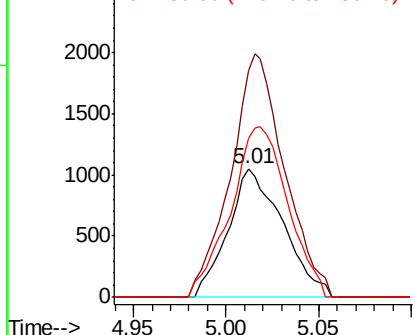
#26
Bromochloromethane
Concen: 1.071 ug/l
RT: 5.01 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:128 Resp: 2165
Ion Ratio Lower Upper
128 100
49 184.8 0.0 286.2
130 138.2 104.3 156.5

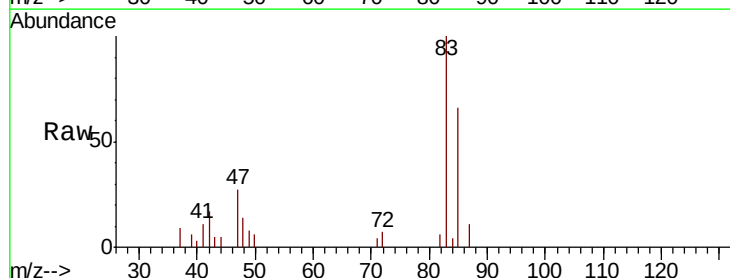


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VU0
Ion 130.00 (129.70 to 130.70): V

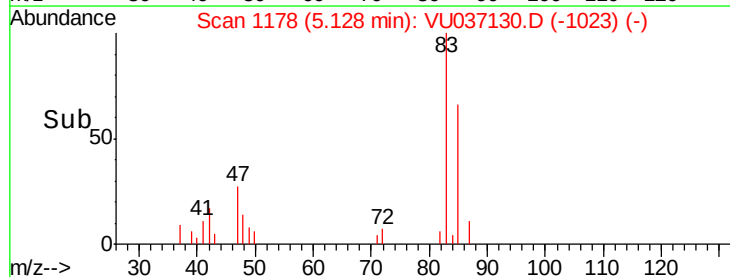
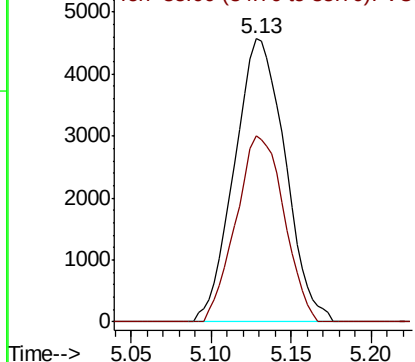


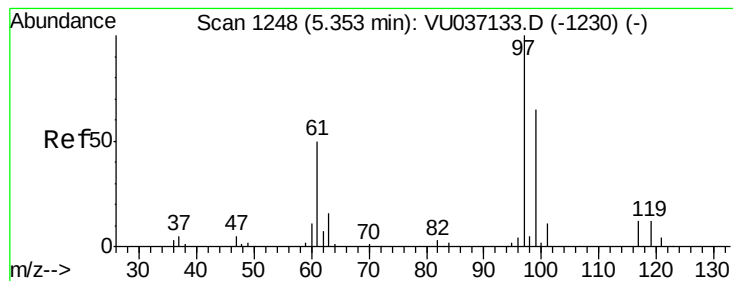
#27
Chloroform
Concen: 1.365 ug/l
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Tgt Ion: 83 Resp: 9902
Ion Ratio Lower Upper
83 100
85 65.8 0.0 129.0



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0





#28

1,1,1-Trichloroethane

Concen: 1.399 ug/l

RT: 5.36 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

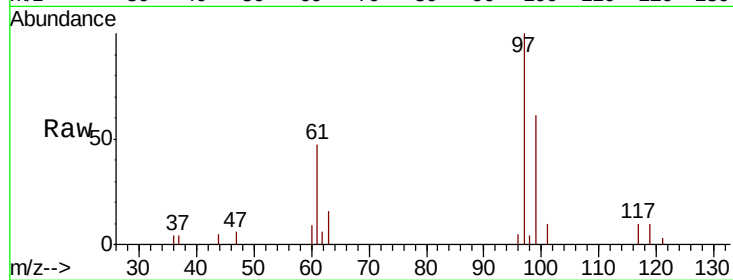
Tot Ion: 97 Resp: 8508

Ion Ratio Lower Upper

97 100

99 62.5 32.1 96.3

61 47.8 22.7 68.0

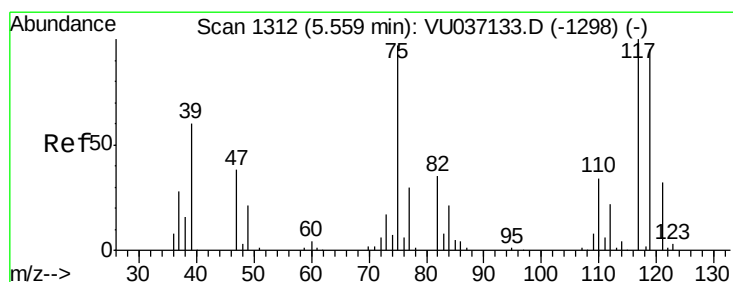
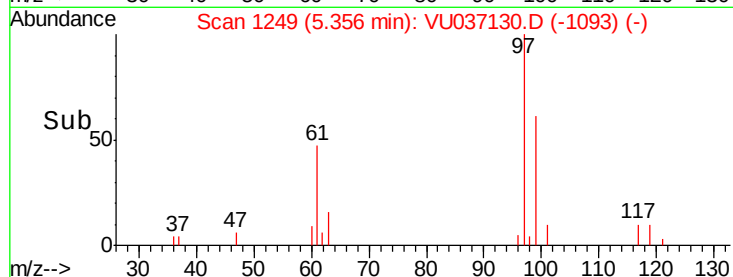
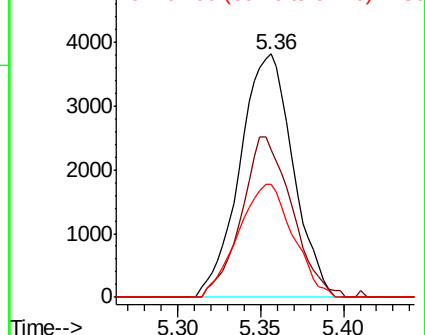


Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



#29

1,1-Dichloropropene

Concen: 1.044 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

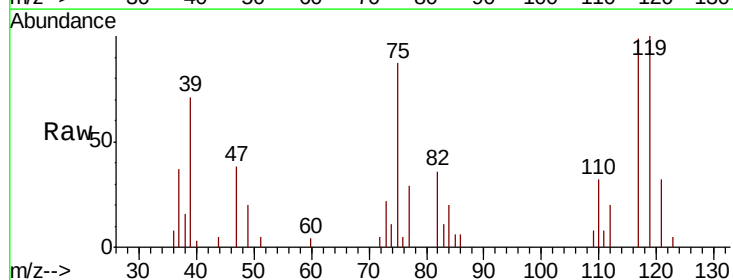
Tgt Ion: 75 Resp: 6198

Ion Ratio Lower Upper

75 100

110 33.2 18.6 55.8

77 31.4 25.0 37.4

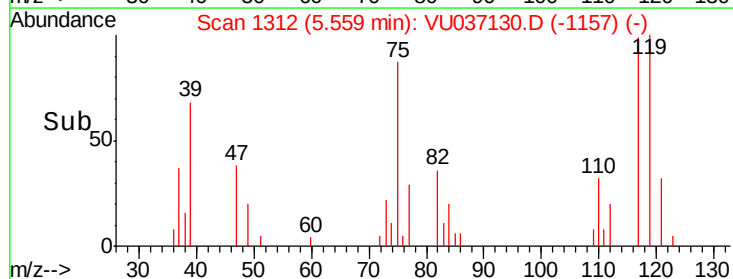
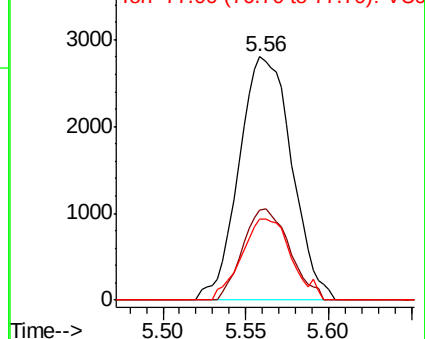


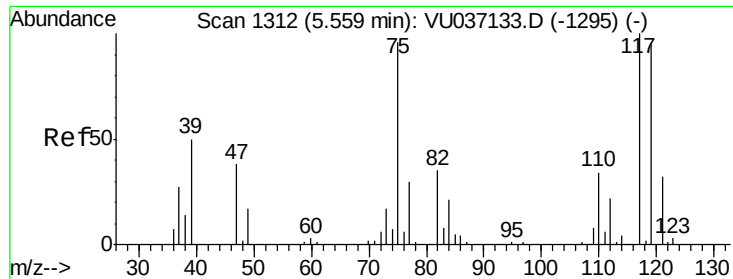
Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU0

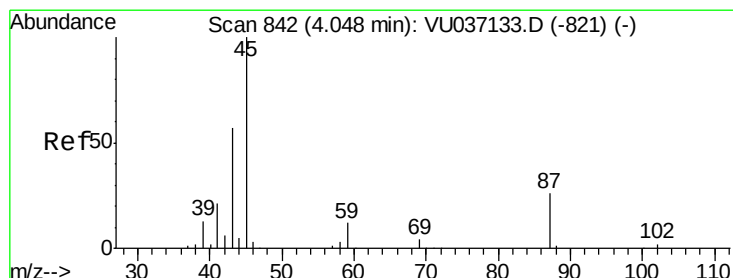
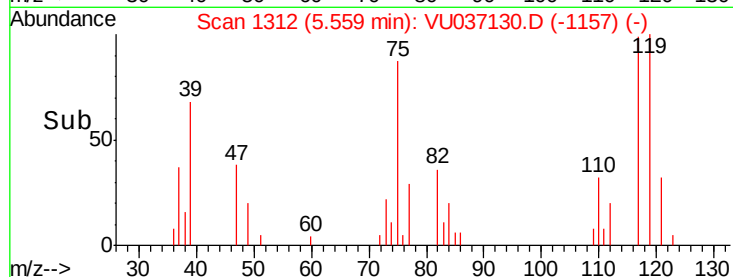
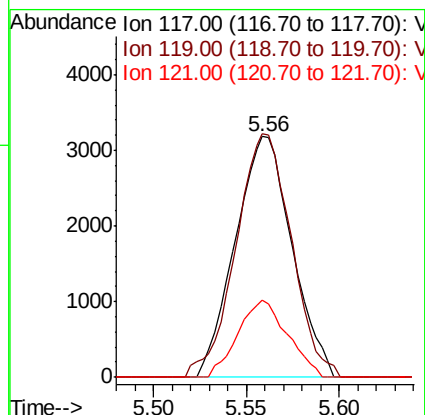
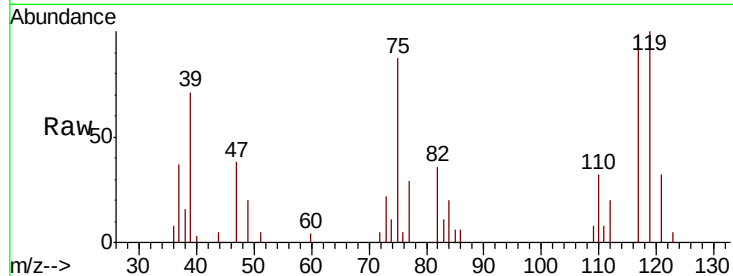




#30
Carbon Tetrachloride
Concen: 1.297 ug/l
RT: 5.56 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

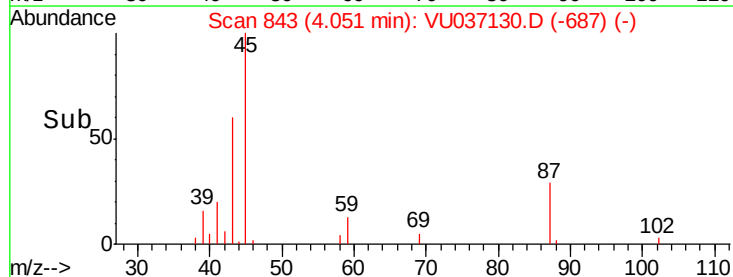
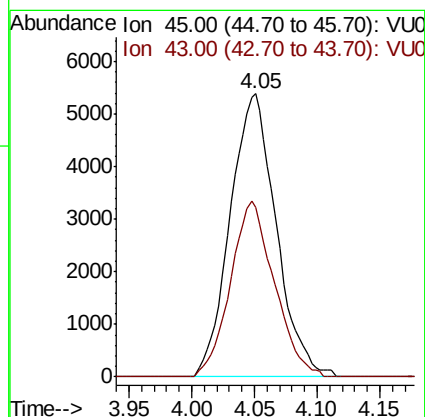
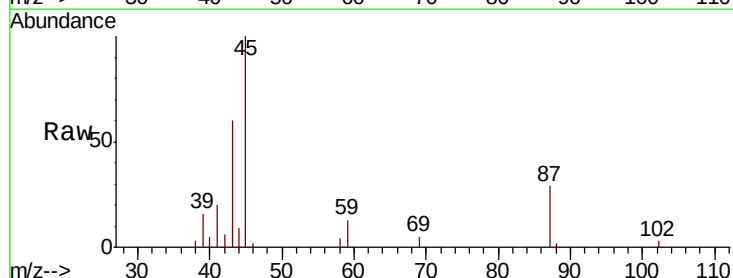
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

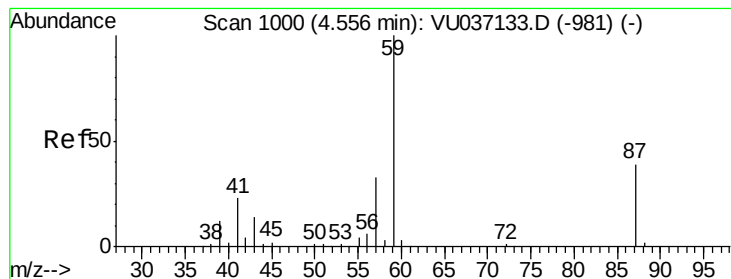
Tot Ion:117 Resp: 6754
Ion Ratio Lower Upper
117 100
119 101.2 77.0 115.6
121 32.1 23.3 34.9



#31
Isopropyl Ether
Concen: 1.230 ug/l
RT: 4.05 min Scan# 843
Delta R.T. 0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Tgt Ion: 45 Resp: 13696
Ion Ratio Lower Upper
45 100
43 59.3 24.0 72.0





#32

Ethyl-t-butyl ether

Concen: 1.116 ug/l

RT: 4.56 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

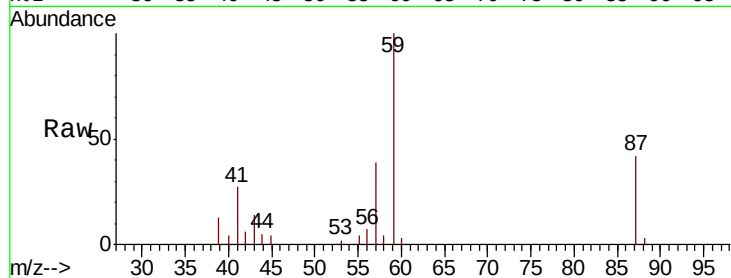
VSTDIC001

Tot Ion: 59 Resp: 12996

Ion Ratio Lower Upper

59 100

87 39.8 35.1 52.7



Abundance Ion 59.00 (58.70 to 59.70): VU037133.D (-981) (-)

Ion 87.00 (86.70 to 87.70): VU037133.D (-981) (-)

4.56

6000

5000

4000

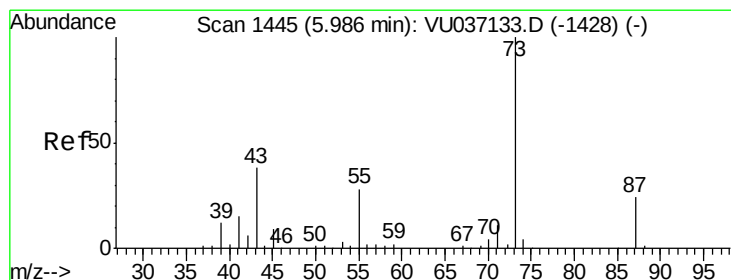
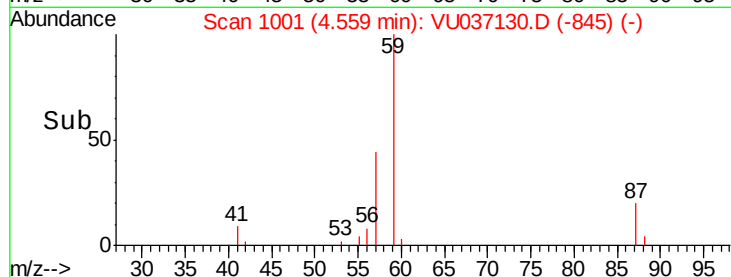
3000

2000

1000

0

Time-->



#33

Tert-Amyl methyl ether

Concen: 1.073 ug/l

RT: 5.98 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

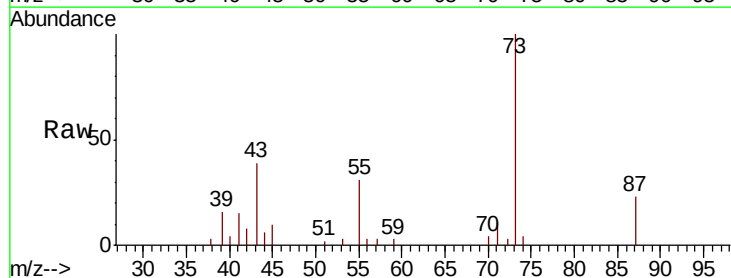
Tgt Ion: 73 Resp: 11444

Ion Ratio Lower Upper

73 100

87 22.3 19.8 29.6

71 11.0 9.1 13.7



Abundance Ion 73.00 (72.70 to 73.70): VU037133.D (-1428) (-)

Ion 87.00 (86.70 to 87.70): VU037133.D (-1428) (-)

Ion 71.00 (70.70 to 71.70): VU037133.D (-1428) (-)

5.98

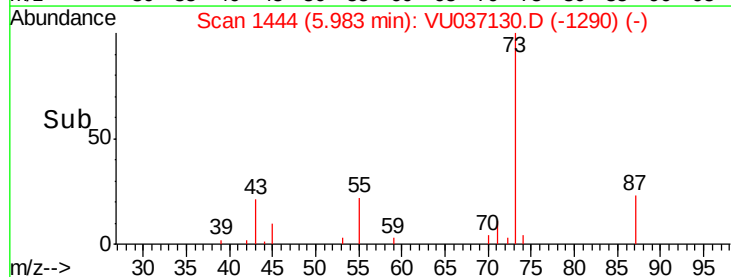
6000

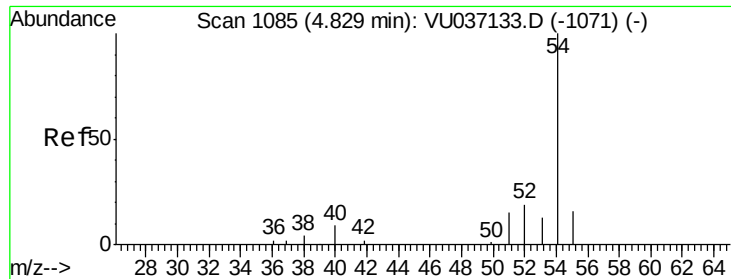
4000

2000

0

Time-->

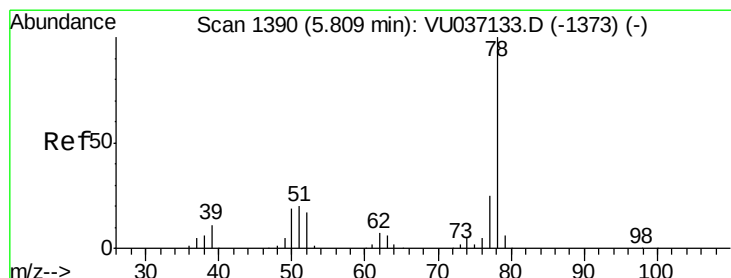
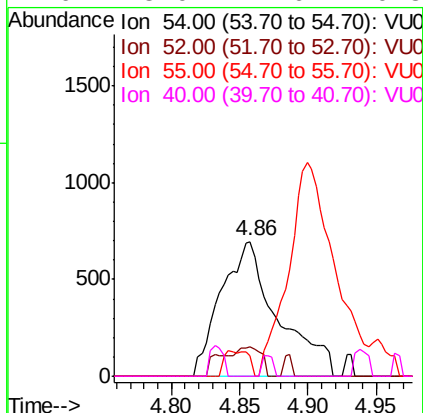
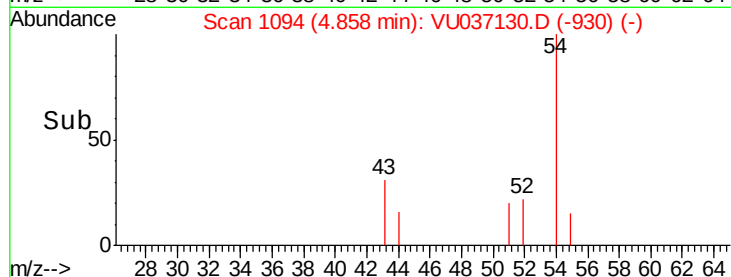
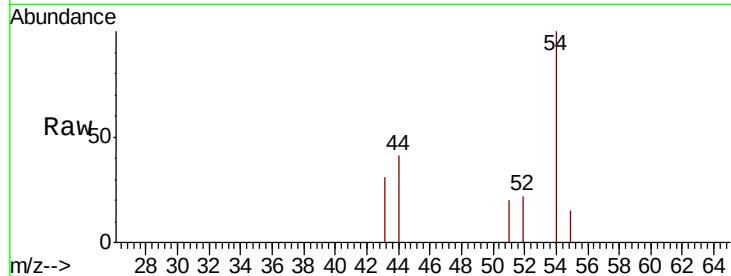




#34
 Propionitrile
 Concen: 6.495 ug/l
 RT: 4.86 min Scan# 1094
 Delta R.T. 0.03 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

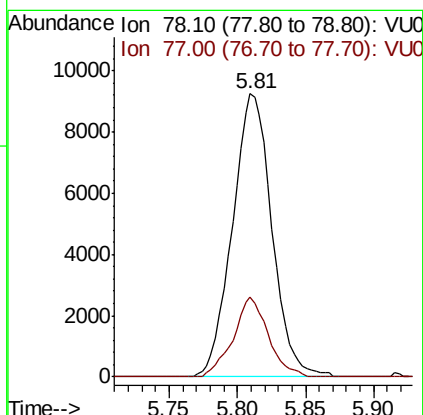
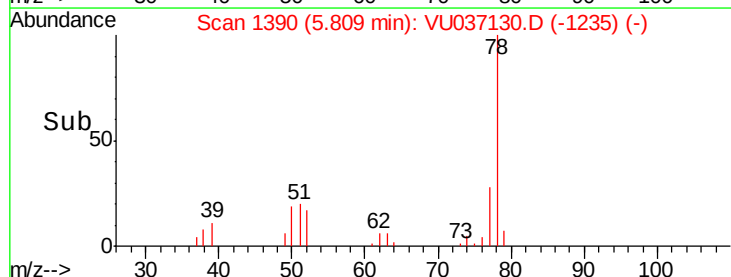
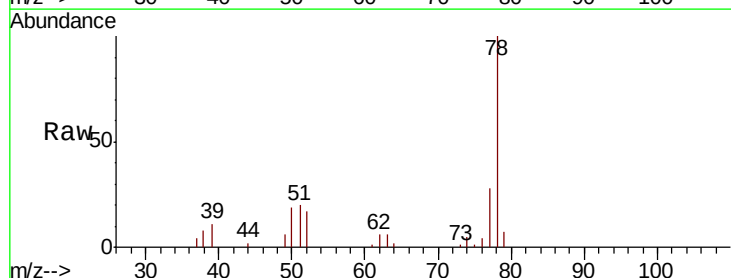
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

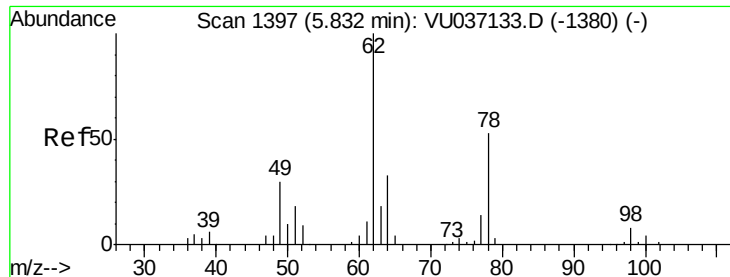
Tot Ion:	54	Resp:	2011
Ion	Ratio	Lower	Upper
54	100		
52	9.1	15.2	22.8#
55	0.0	9.5	14.3#
40	3.0	4.6	6.8#



#35
 Benzene
 Concen: 1.081 ug/l
 RT: 5.81 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

Tgt Ion:	78	Resp:	18576
Ion	Ratio	Lower	Upper
78	100		
77	28.2	19.4	29.0

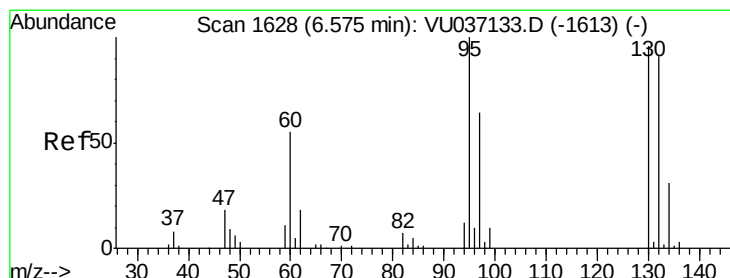
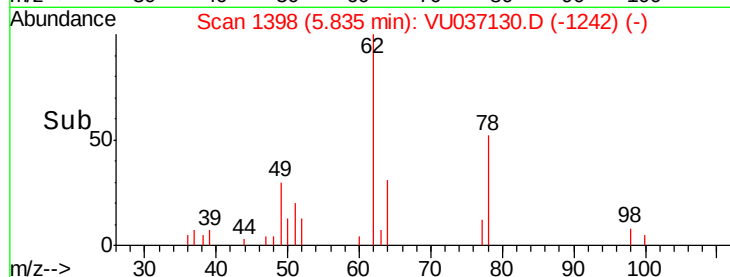
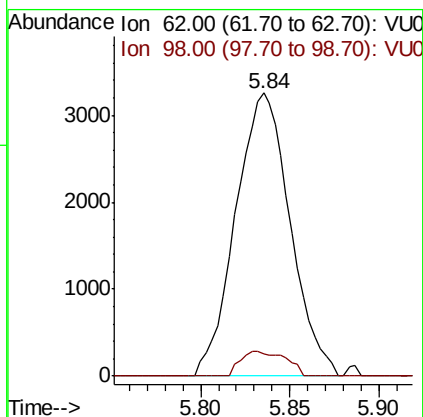
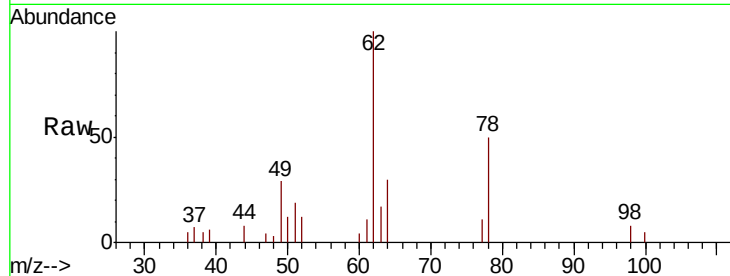




#36
 1,2-Dichloroethane
 Concen: 1.496 ug/l
 RT: 5.84 min Scan# 1398
 Delta R.T. 0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

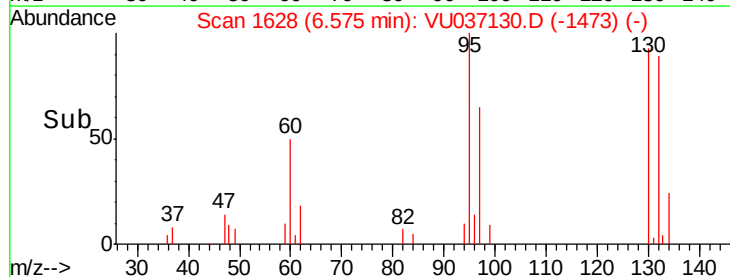
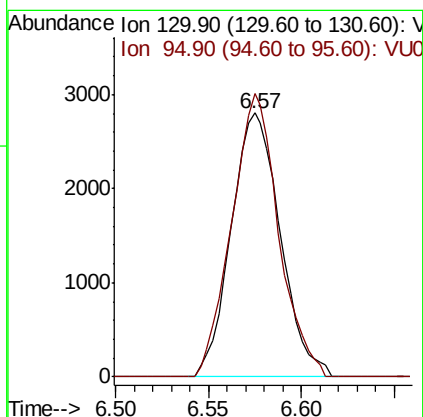
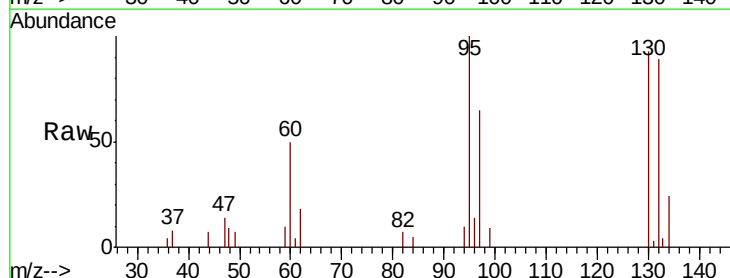
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

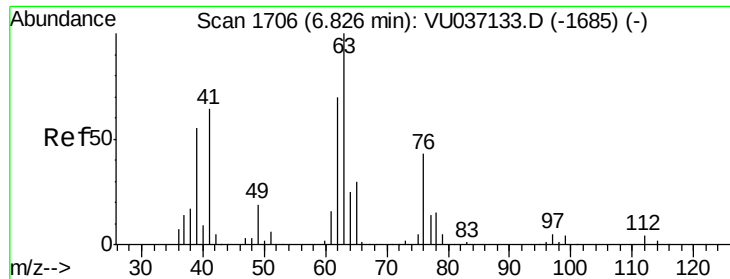
Tot Ion: 62 Resp: 6923
 Ion Ratio Lower Upper
 62 100
 98 7.3 7.8 11.8#



#37
 Trichloroethene
 Concen: 1.085 ug/l
 RT: 6.57 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

Tgt Ion:130 Resp: 5149
 Ion Ratio Lower Upper
 130 100
 95 107.3 77.0 115.4





#38

1,2-Dichloropropane

Concen: 1.207 ug/l

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

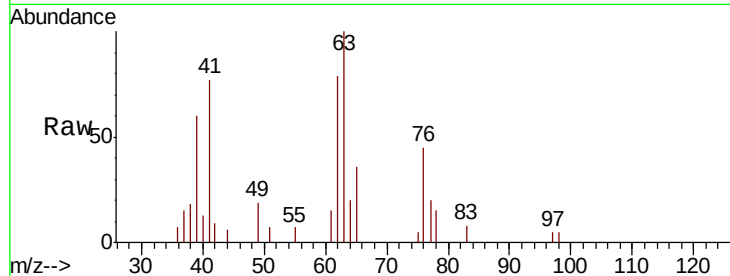
VSTDIC001

Tot Ion: 63 Resp: 5214

Ion Ratio Lower Upper

63 100

65 36.2 24.7 37.1



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0

6.82

2500

2000

1500

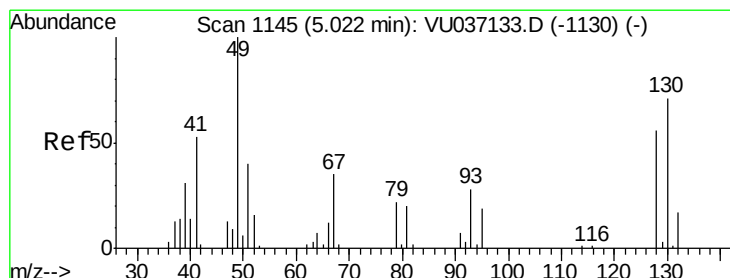
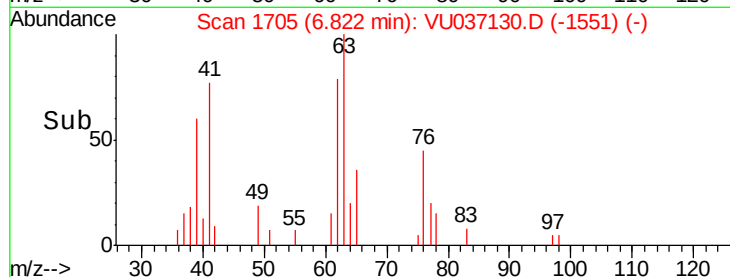
1000

500

0

Time-->

6.75 6.80 6.85



#39

Methacrylonitrile

Concen: 1.333 ug/l

RT: 5.03 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Tgt Ion: 41 Resp: 1734

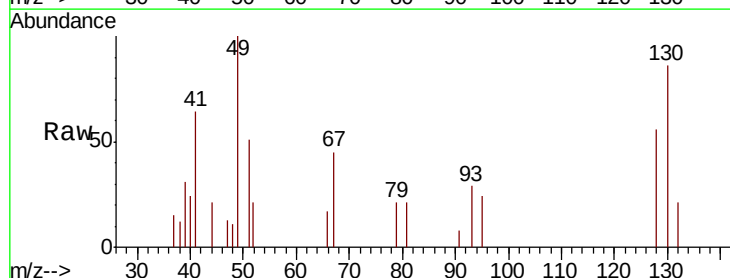
Ion Ratio Lower Upper

41 100

67 70.1 69.6 104.4

39 26.1 41.6 62.4#

52 21.7 25.9 38.9#



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

1200

1000

800

600

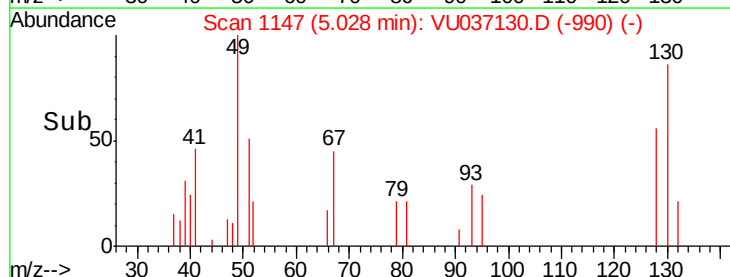
400

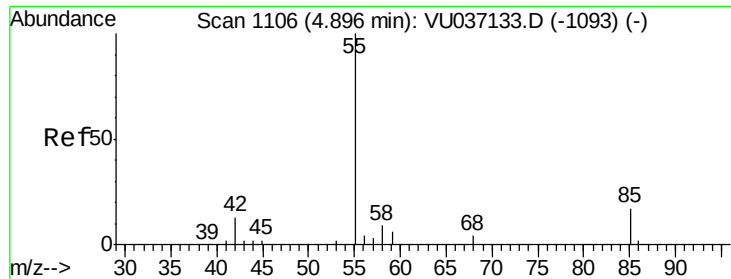
200

0

Time-->

5.00 5.05 5.10

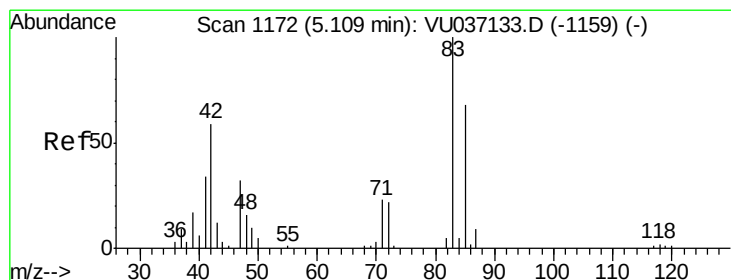
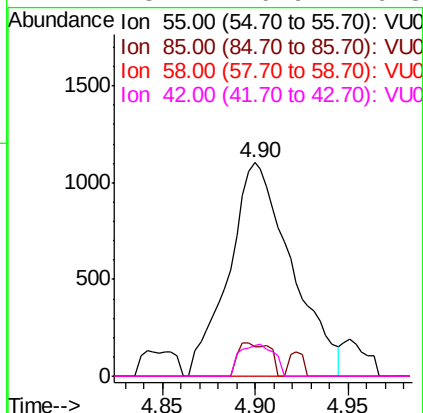
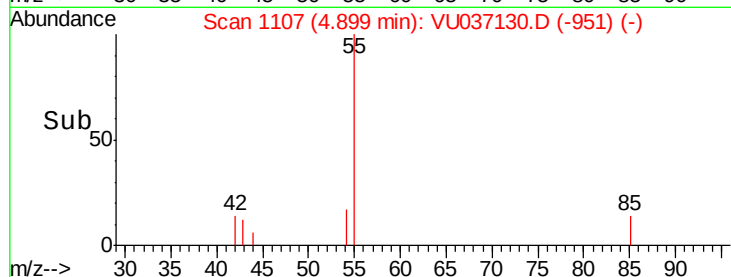
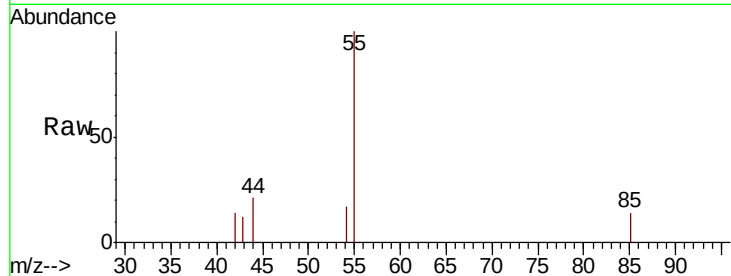




#40
Methvl acrylate
Concen: 1.257 ug/l
RT: 4.90 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

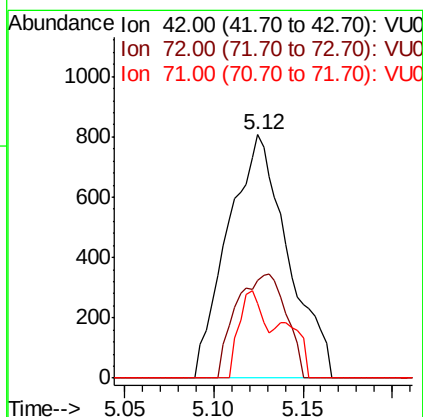
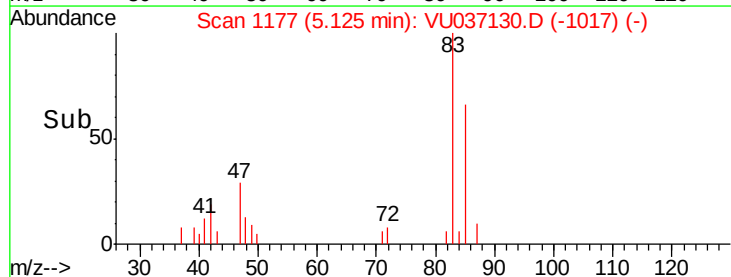
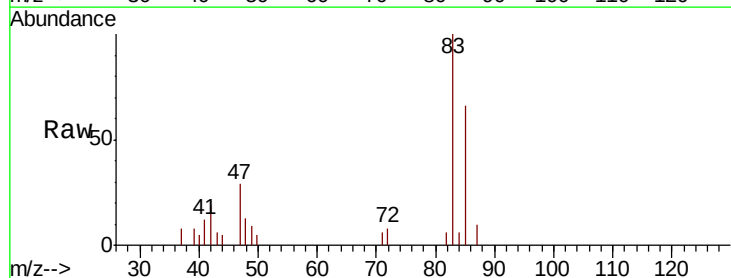
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

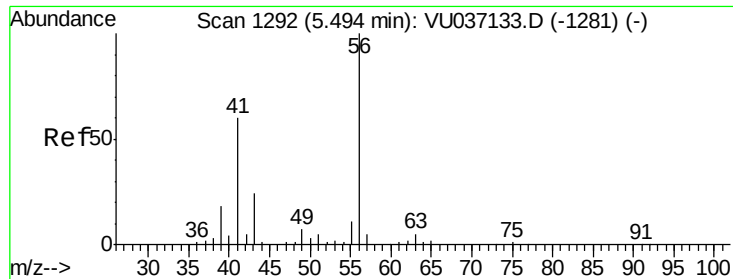
Tot Ion:	55	Resp:	2593
Ion	Ratio	Lower	Upper
55	100		
85	7.9	14.7	22.1#
58	0.0	7.1	10.7#
42	8.2	6.9	10.3



#41
Tetrahydrofuran
Concen: 2.663 ug/l
RT: 5.12 min Scan# 1177
Delta R.T. 0.02 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Tgt Ion:	42	Resp:	1888
Ion	Ratio	Lower	Upper
42	100		
72	35.7	42.5	63.7#
71	15.1	37.3	55.9#

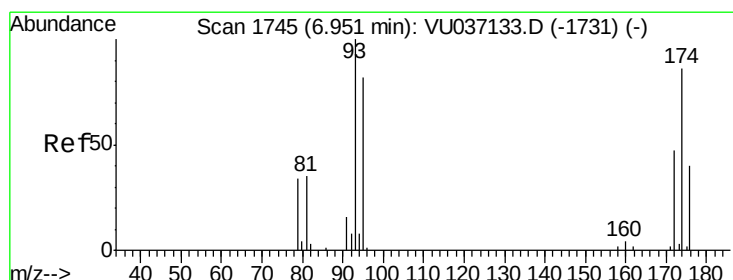
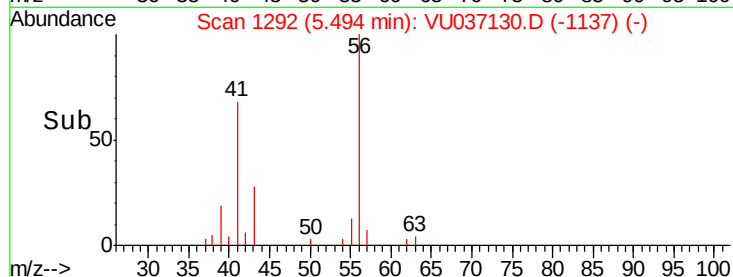
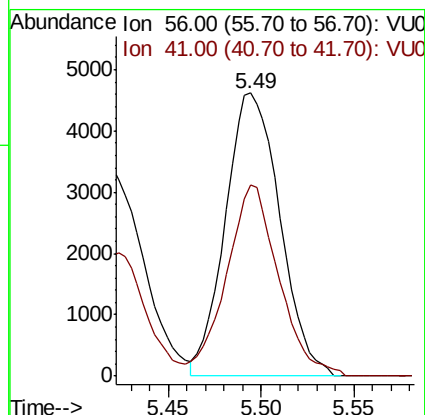
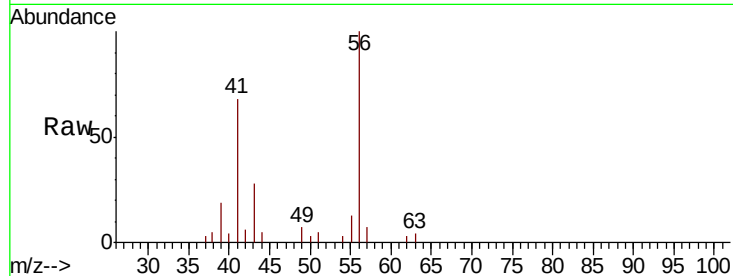




#42
1-Chlorobutane
Concen: 1.230 ug/l
RT: 5.49 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

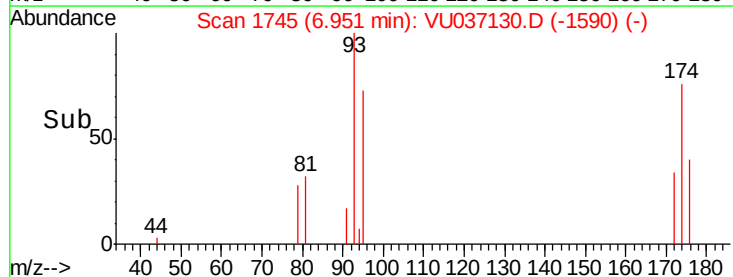
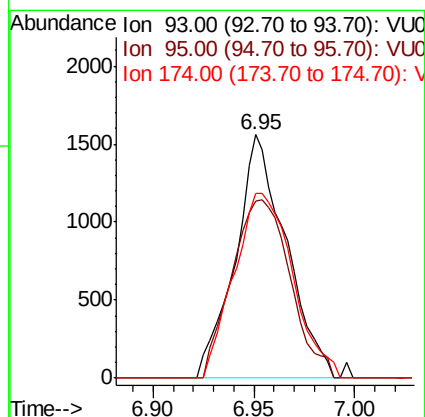
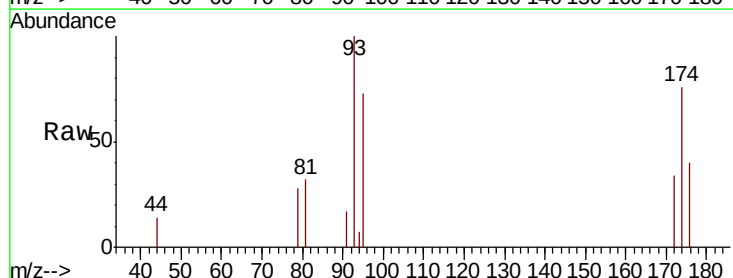
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

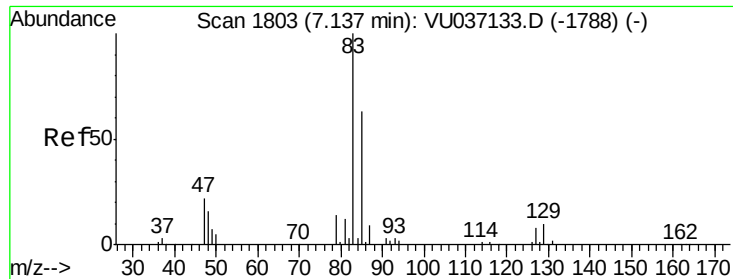
Tot Ion: 56 Resp: 9460
Ion Ratio Lower Upper
56 100
41 64.8 24.8 74.3



#43
Dibromomethane
Concen: 1.213 ug/l
RT: 6.95 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Tgt Ion: 93 Resp: 2736
Ion Ratio Lower Upper
93 100
95 84.4 67.9 101.9
174 87.8 83.4 125.0





#44

Bromodichloromethane

Concen: 1.258 ug/l

RT: 7.14 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

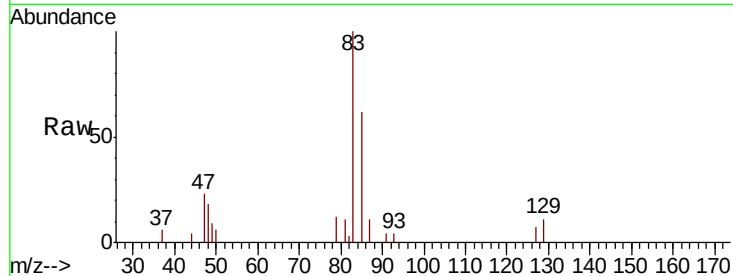
Tot Ion: 83 Resp: 6713

Ion Ratio Lower Upper

83 100

85 62.4 51.8 77.6

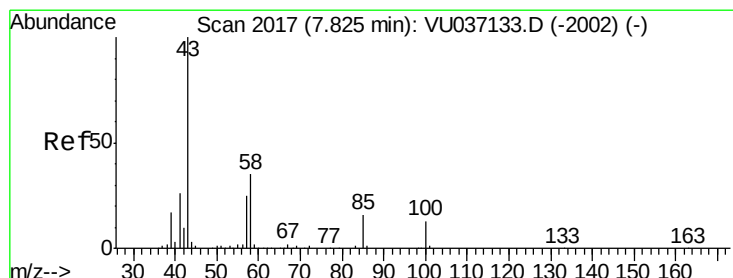
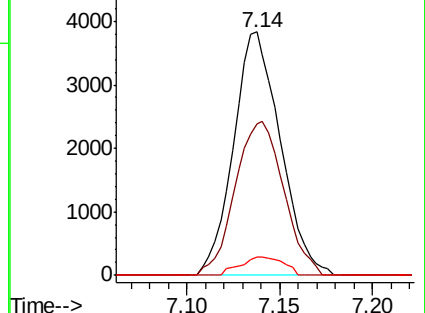
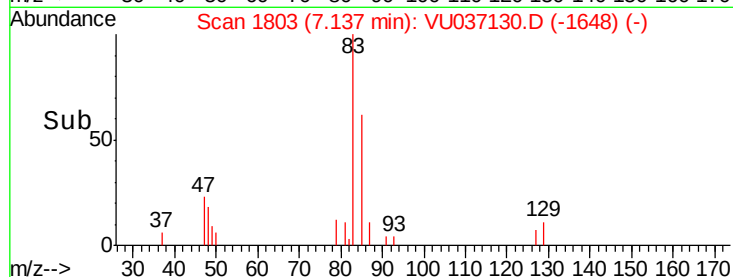
127 7.4 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VU037133.D (-1788) (-)

Ion 85.00 (84.70 to 85.70): VU037133.D (-1788) (-)

Ion 127.00 (126.70 to 127.70): VU037133.D (-1788) (-)



#45

4-Methyl-2-Pentanone

Concen: 6.893 ug/l

RT: 7.83 min Scan# 2019

Delta R.T. 0.01 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

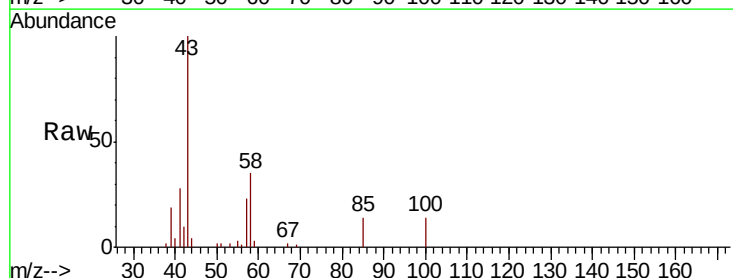
Tgt Ion: 43 Resp: 17516

Ion Ratio Lower Upper

43 100

58 34.3 22.1 66.1

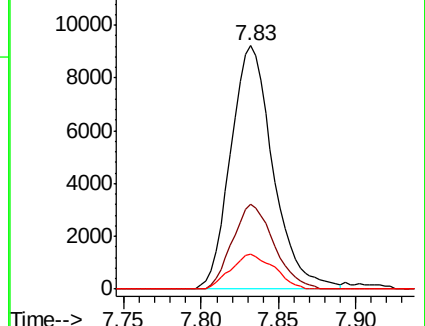
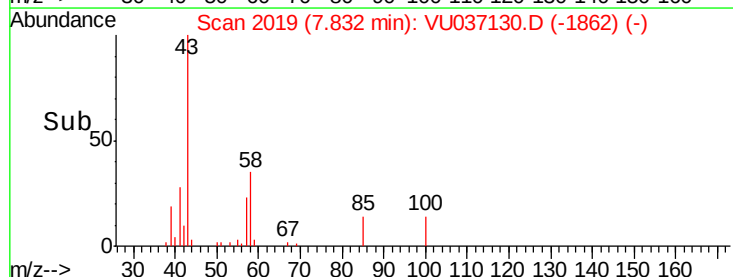
85 14.7 17.4 26.0#

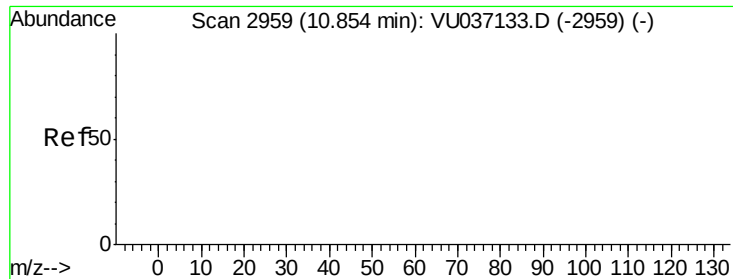


Abundance Ion 43.00 (42.70 to 43.70): VU037133.D (-2002) (-)

Ion 58.00 (57.70 to 58.70): VU037133.D (-2002) (-)

Ion 85.00 (84.70 to 85.70): VU037133.D (-2002) (-)

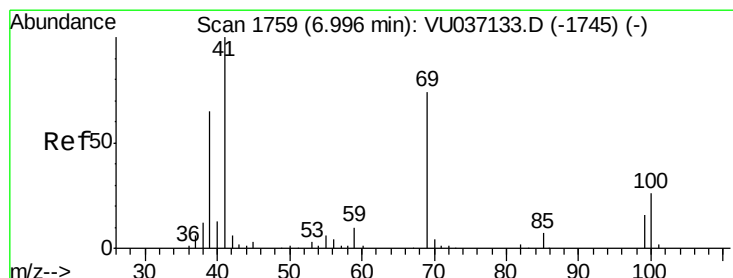
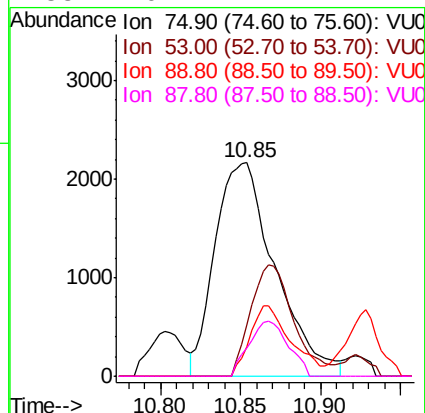
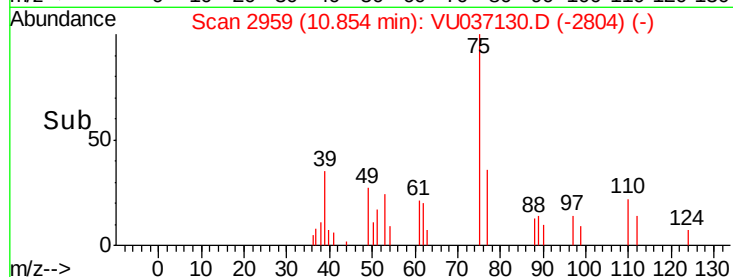
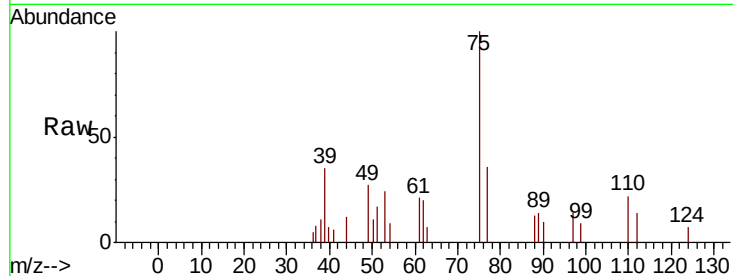




#46
t-1,4-Dichloro-2-butene
Concen: 5.011 ug/l
RT: 10.85 min Scan# 2959
Delta R.T. -0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

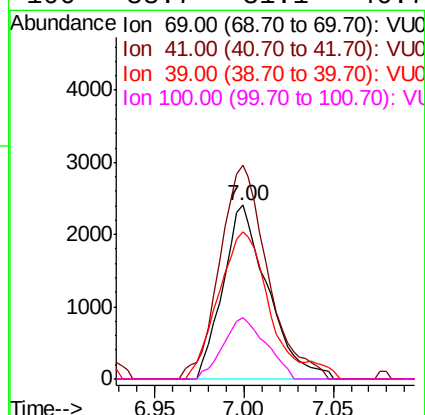
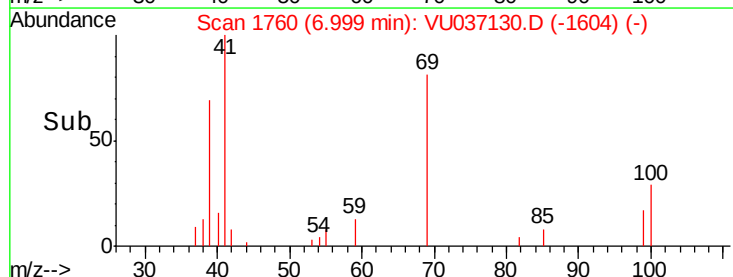
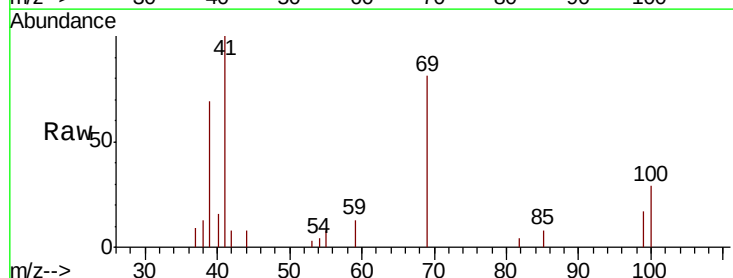
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

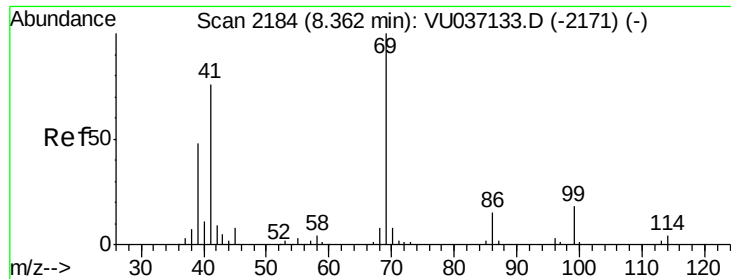
Tot Ion: 75 Resp: 5608
Ion Ratio Lower Upper
75 100
53 36.9 52.2 78.2#
89 22.5 39.8 59.6#
88 16.7 27.4 41.2#



#47
Methyl methacrylate
Concen: 1.904 ug/l
RT: 7.00 min Scan# 1760
Delta R.T. 0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Tgt Ion: 69 Resp: 4208
Ion Ratio Lower Upper
69 100
41 131.1 0.0 200.8
39 97.7 43.5 65.3#
100 33.7 31.1 46.7

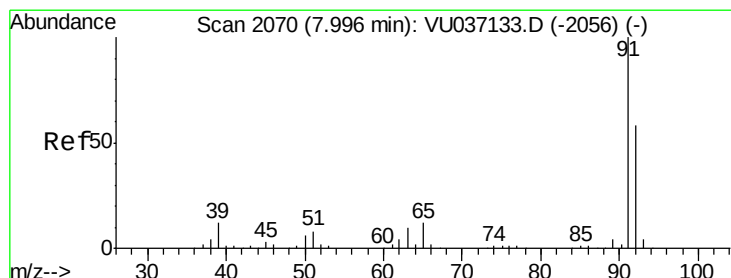
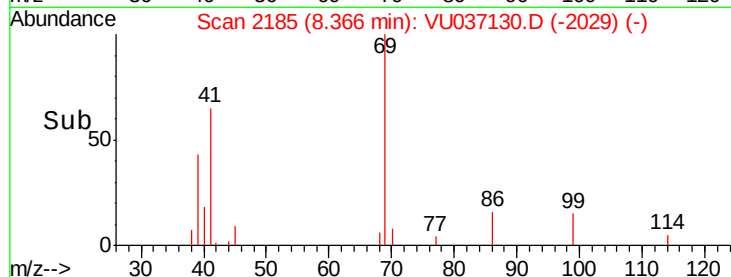
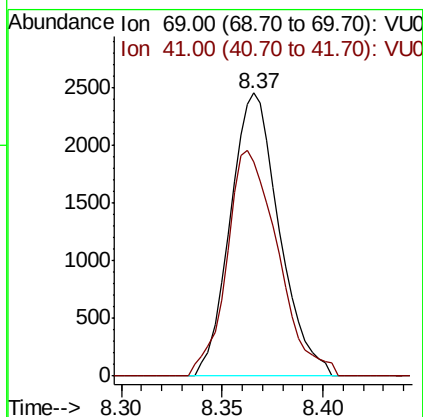
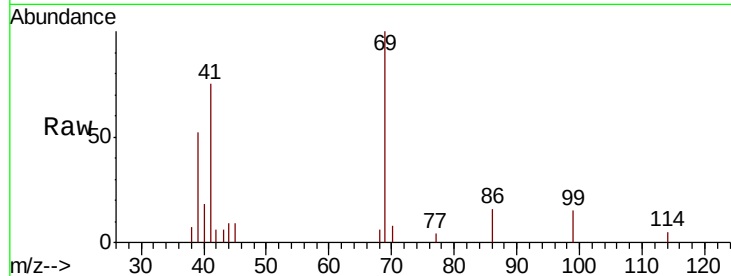




#48
Ethyl methacrylate
Concen: 0.973 ug/l
RT: 8.37 min Scan# 2185
Delta R.T. 0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

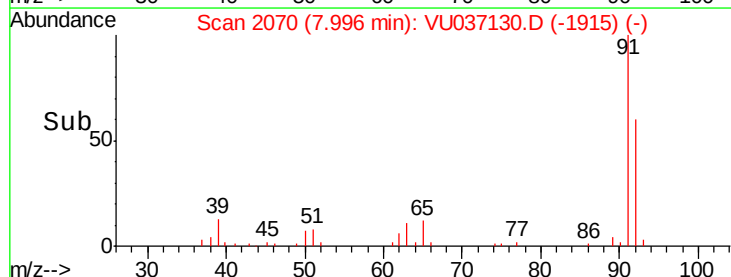
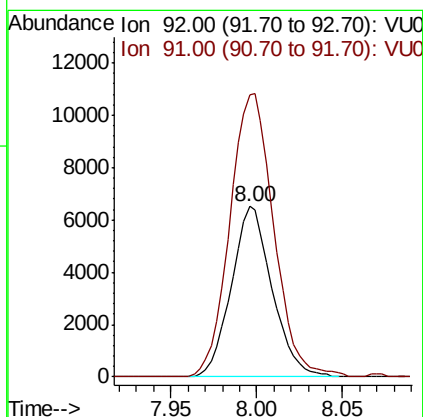
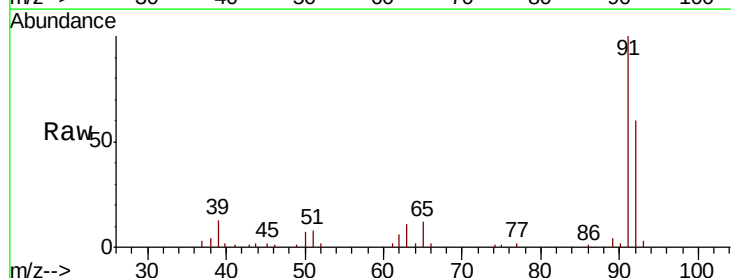
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

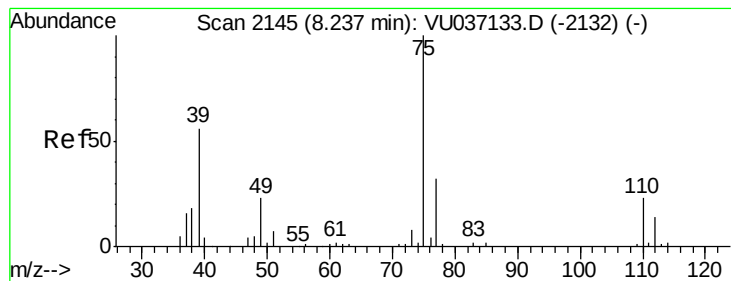
Tot Ion: 69 Resp: 4154
Ion Ratio Lower Upper
69 100
41 83.1 27.9 83.6



#49
Toluene
Concen: 0.977 ug/l
RT: 8.00 min Scan# 2070
Delta R.T. -0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Tgt Ion: 92 Resp: 10721
Ion Ratio Lower Upper
92 100
91 179.6 139.1 208.7





#50

t-1,3-Dichloropropene

Concen: 1.160 ug/l

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

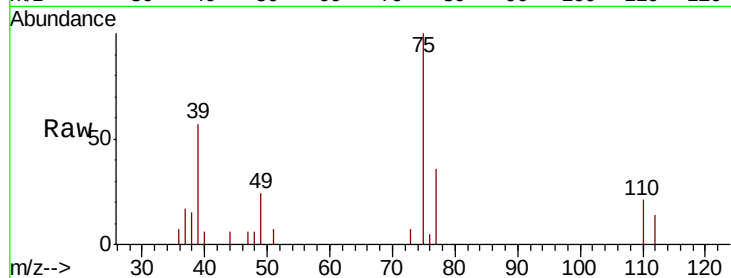
VSTDIC001

Tot Ion: 75 Resp: 6167

Ion Ratio Lower Upper

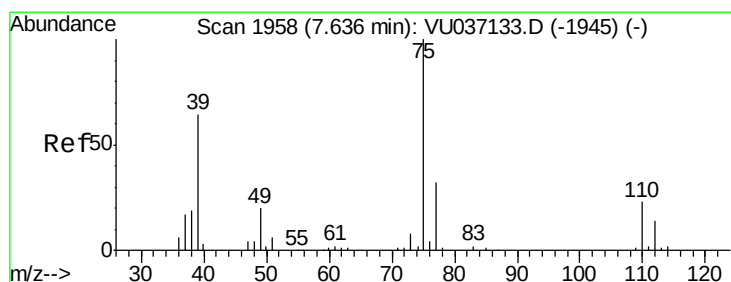
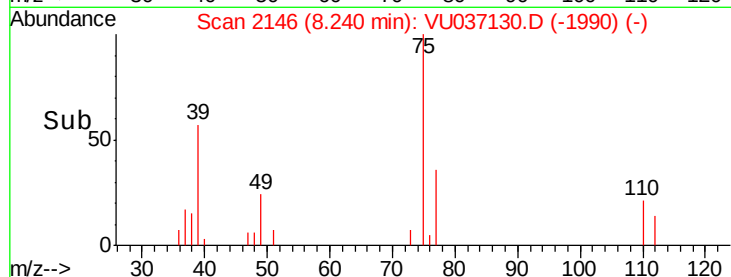
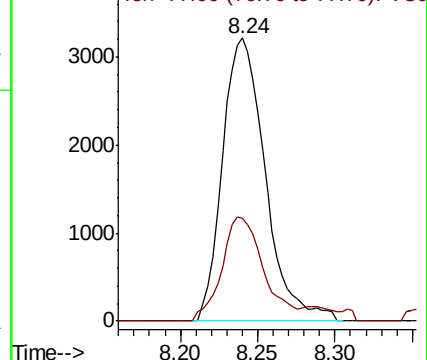
75 100

77 36.2 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU037133.D (-2132) (-)

Ion 77.00 (76.70 to 77.70): VU037133.D (-2132) (-)



#51

cis-1,3-Dichloropropene

Concen: 1.073 ug/l

RT: 7.64 min Scan# 1958

Delta R.T. -0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

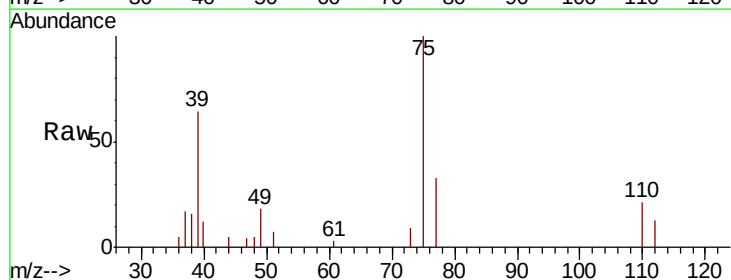
Tgt Ion: 75 Resp: 6916

Ion Ratio Lower Upper

75 100

77 32.5 25.3 37.9

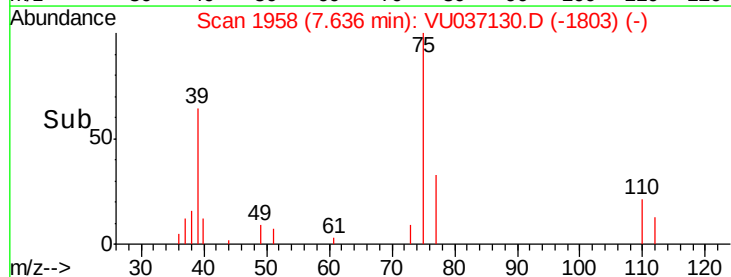
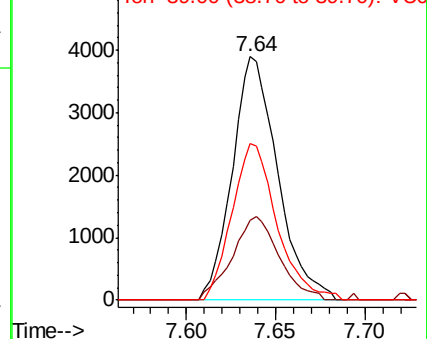
39 64.1 31.8 47.6#

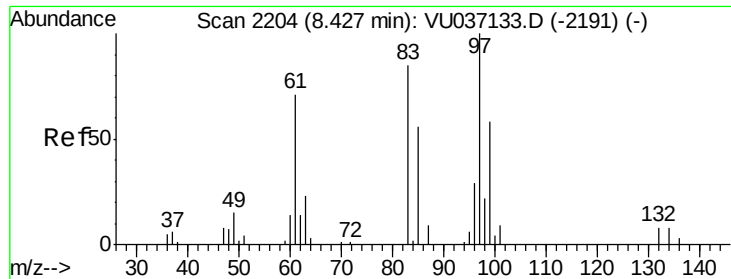


Abundance Ion 75.00 (74.70 to 75.70): VU037133.D (-1945) (-)

Ion 77.00 (76.70 to 77.70): VU037133.D (-1945) (-)

Ion 39.00 (38.70 to 39.70): VU037133.D (-1945) (-)

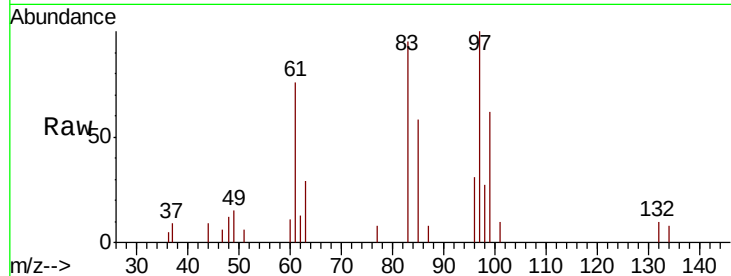




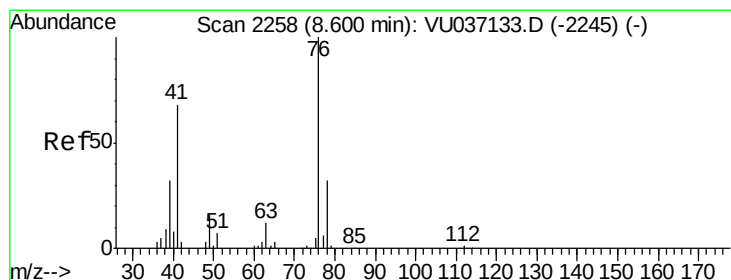
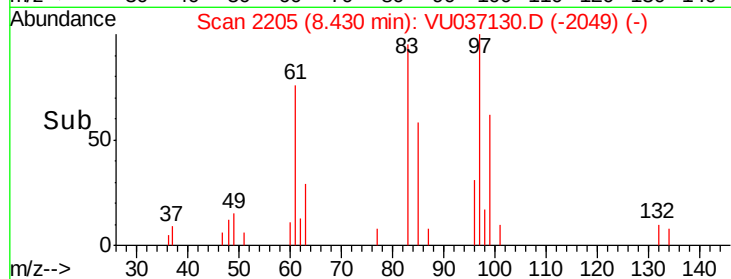
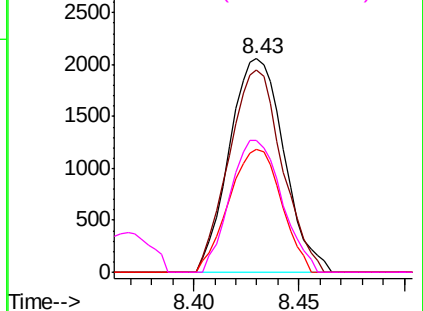
#52
 1,1,2-Trichloroethane
 Concen: 1.157 ug/l
 RT: 8.43 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:	97	Resp:	3703
Ion	Ratio	Lower	Upper
97	100		
83	94.5	70.9	106.3
85	57.8	45.6	68.4
99	61.8	51.0	76.4

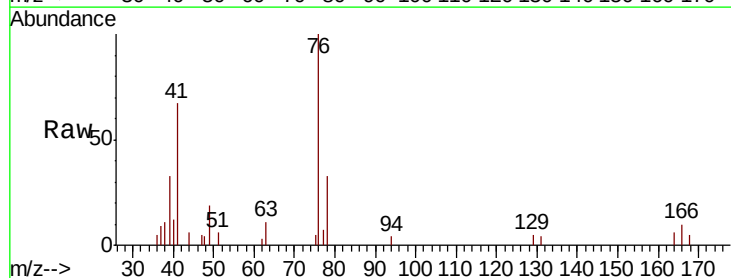


Abundance Ion 97.00 (96.70 to 97.70): VU037133.D (-2191) (-)

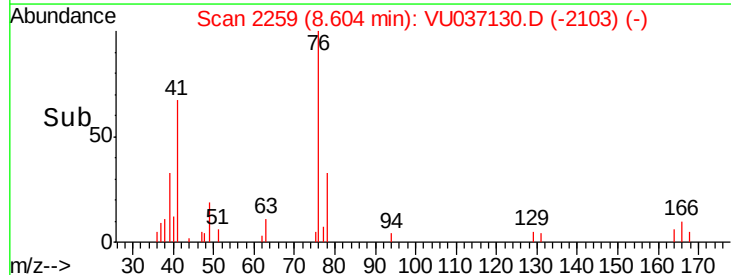
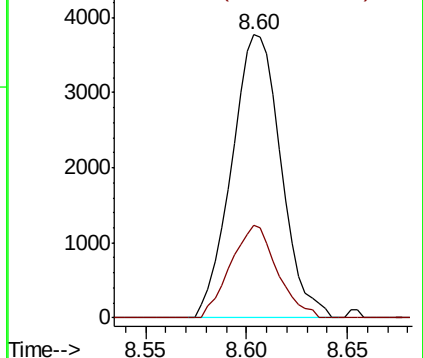


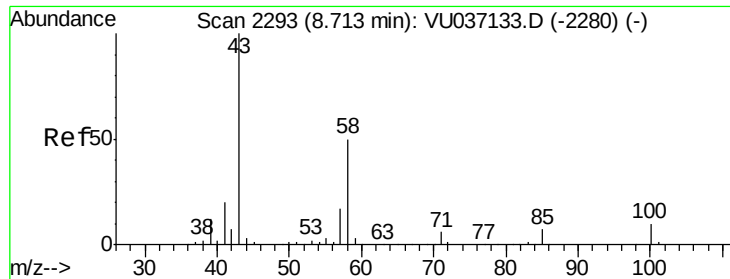
#53
 1,3-Dichloropropane
 Concen: 1.173 ug/l
 RT: 8.60 min Scan# 2259
 Delta R.T. 0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

Tgt Ion:	76	Resp:	6435
Ion	Ratio	Lower	Upper
76	100		
78	30.9	25.4	38.2



Abundance Ion 76.00 (75.70 to 76.70): VU037133.D (-2245) (-)

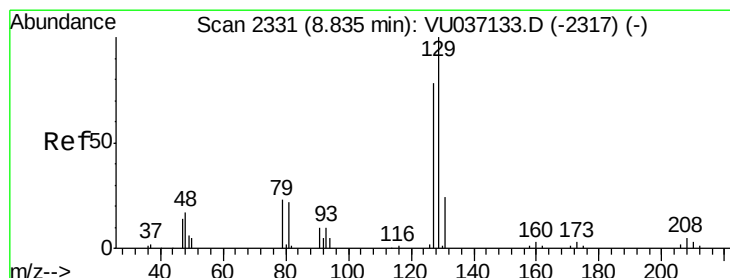
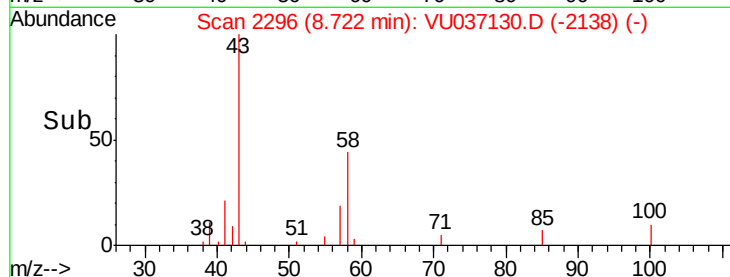
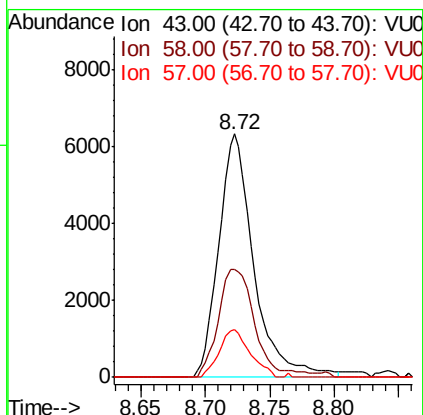
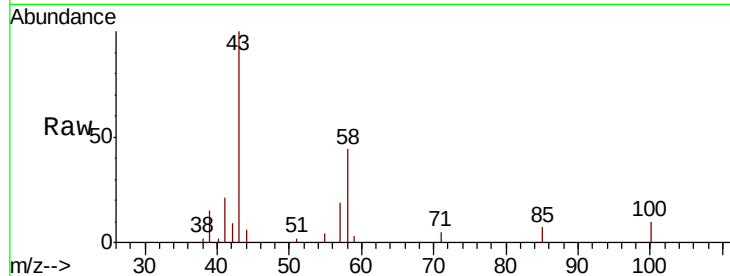




#54
2-Hexanone
Concen: 6.688 ug/l
RT: 8.72 min Scan# 2296
Delta R.T. 0.01 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

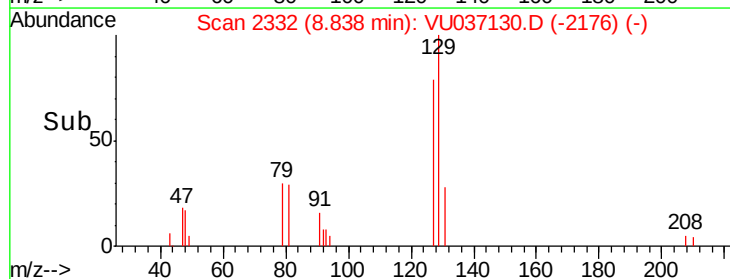
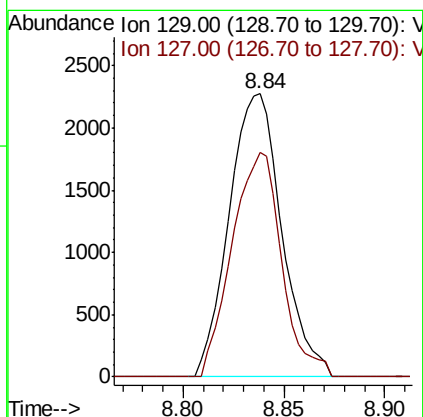
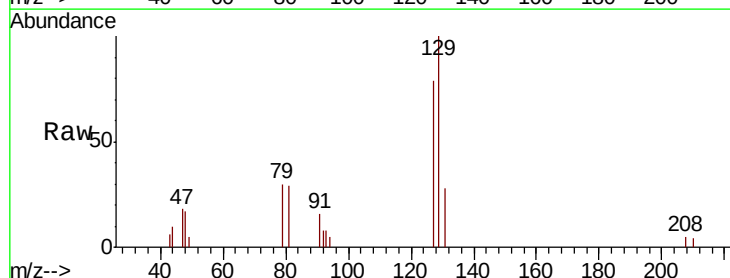
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

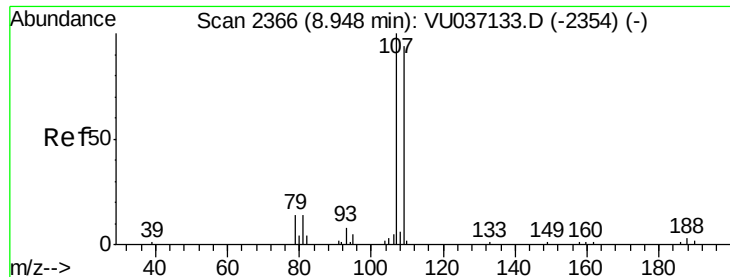
Tot Ion: 43 Resp: 11920
Ion Ratio Lower Upper
43 100
58 46.5 40.6 80.6
57 17.3 1.2 41.2



#55
Dibromochloromethane
Concen: 1.127 ug/l
RT: 8.84 min Scan# 2332
Delta R.T. 0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Tgt Ion: 129 Resp: 4151
Ion Ratio Lower Upper
129 100
127 74.9 62.6 94.0

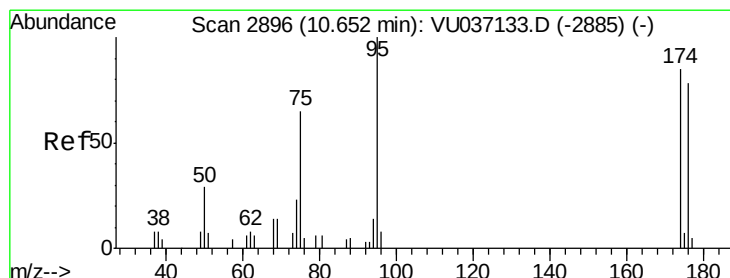
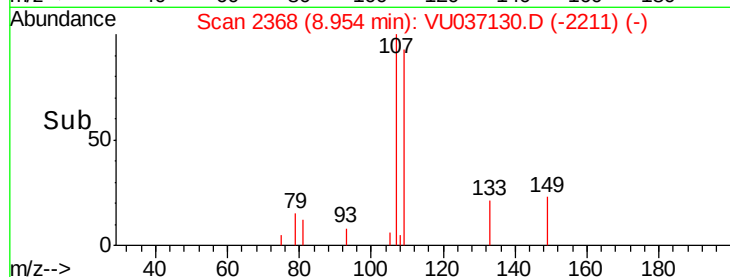
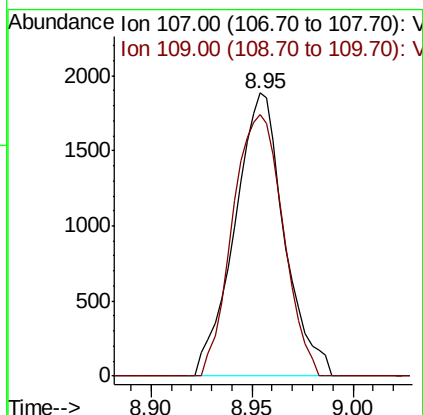
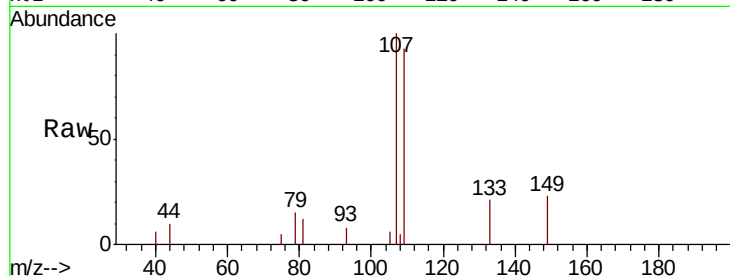




#56
 1,2-Dibromoethane
 Concen: 1.052 ug/l
 RT: 8.95 min Scan# 2368
 Delta R.T. 0.01 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

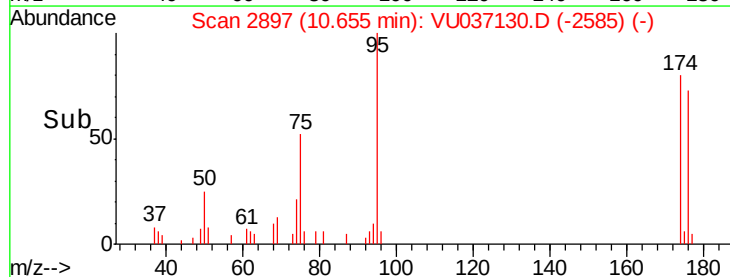
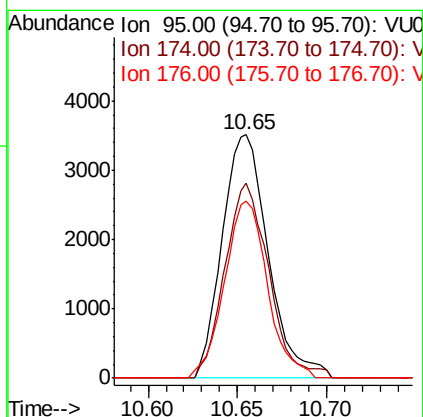
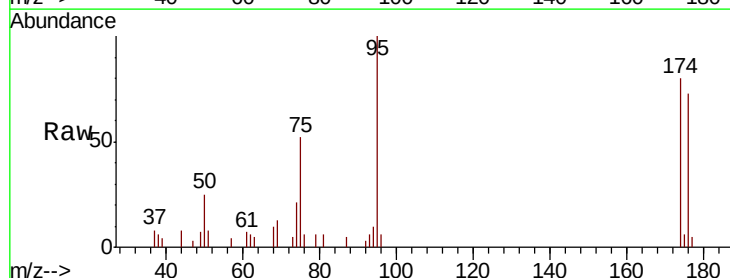
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

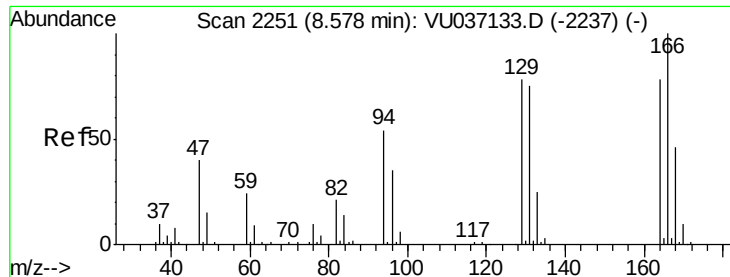
Tot Ion:107 Resp: 3241
 Ion Ratio Lower Upper
 107 100
 109 94.2 0.0 190.8



#57
 4-Bromofluorobenzene
 Concen: 1.079 ug/l
 RT: 10.65 min Scan# 2897
 Delta R.T. 0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

Tgt Ion: 95 Resp: 6317
 Ion Ratio Lower Upper
 95 100
 174 76.5 64.7 97.1
 176 68.0 60.6 91.0





#58

Tetrachloroethene

Concen: 1.013 ug/l

RT: 8.58 min Scan# 2251

Delta R.T. -0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 4803

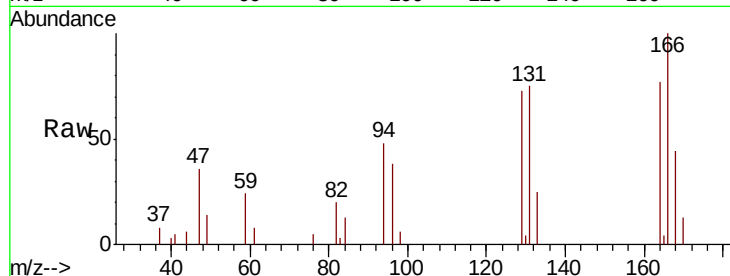
Ion Ratio Lower Upper

164 100

166 130.4 102.0 153.0

129 95.7 74.9 112.3

131 97.9 72.6 108.8



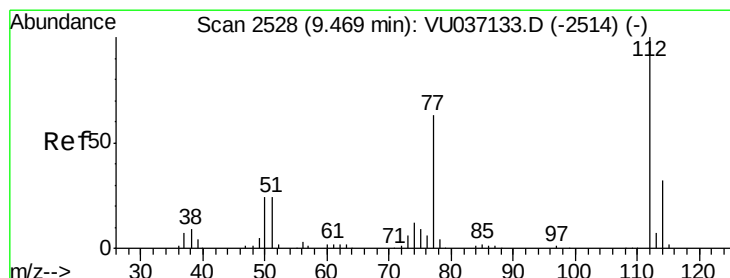
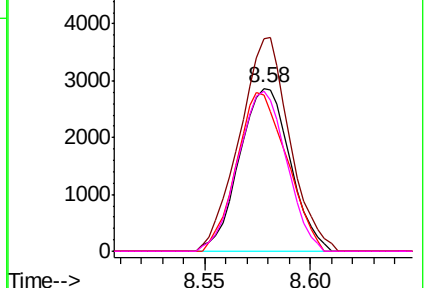
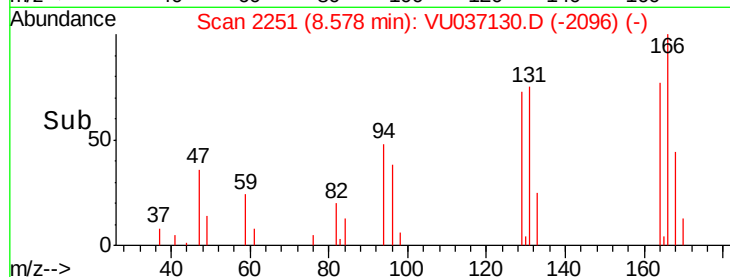
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#59

Chlorobenzene

Concen: 1.029 ug/l

RT: 9.47 min Scan# 2529

Delta R.T. 0.00 min

Lab File: VU037130.D

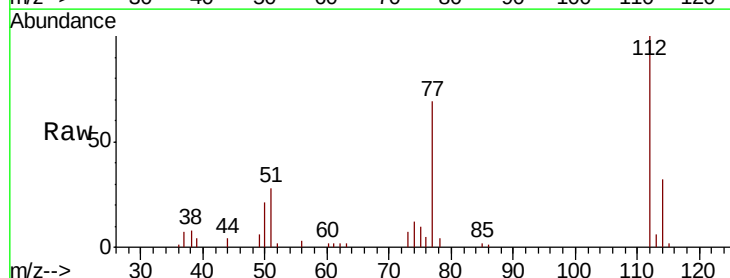
Acq: 09 Mar 2020 12:58

Tgt Ion:112 Resp: 12580

Ion Ratio Lower Upper

112 100

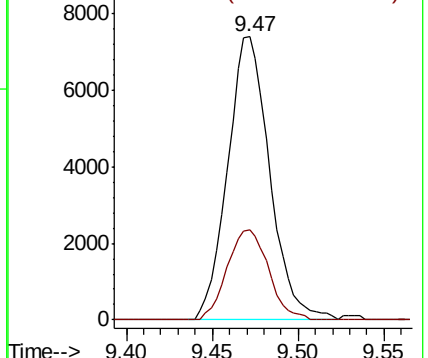
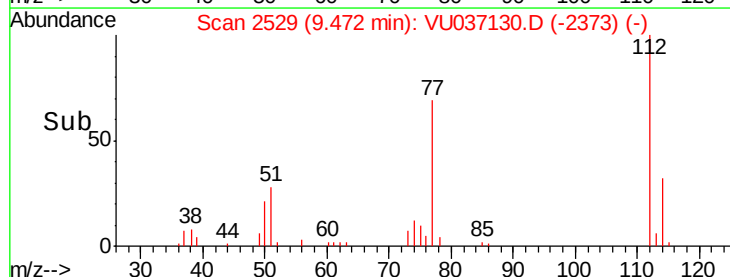
114 31.8 25.8 38.8

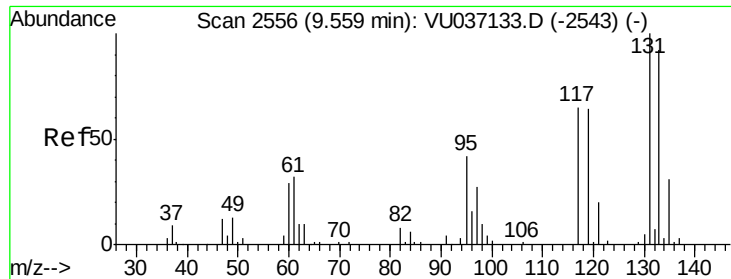


Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#60

1,1,1,2-Tetrachloroethane

Concen: 1.182 ug/l

RT: 9.56 min Scan# 2556

Delta R.T. -0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

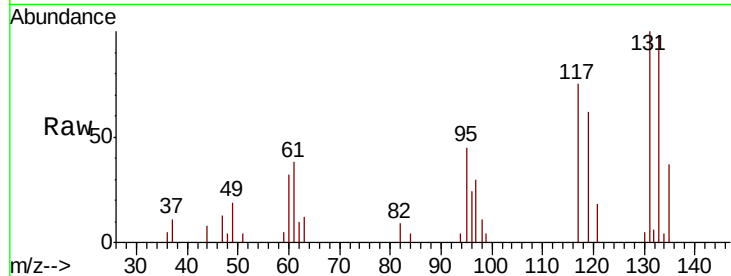
Tot Ion:131 Resp: 4614

Ion Ratio Lower Upper

131 100

133 99.6 76.4 114.6

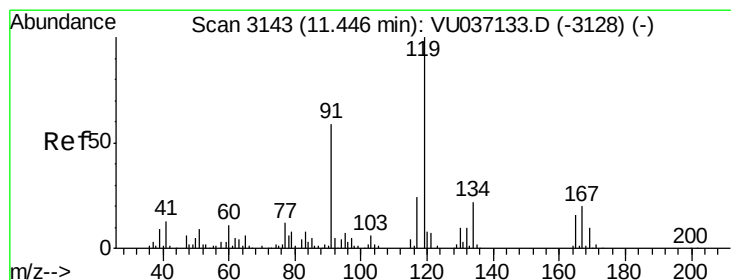
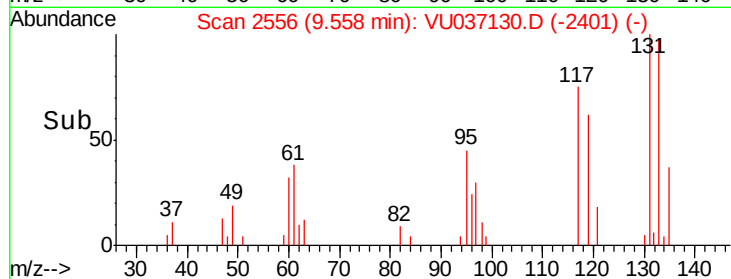
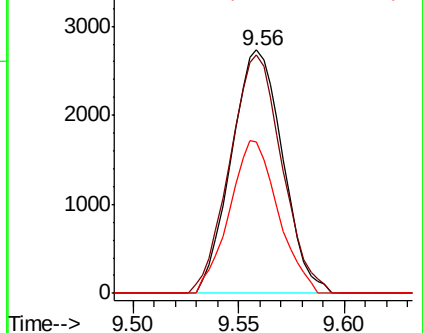
119 59.4 56.6 85.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#61

Pentachloroethane

Concen: 1.385 ug/l

RT: 11.44 min Scan# 3142

Delta R.T. -0.00 min

Lab File: VU037130.D

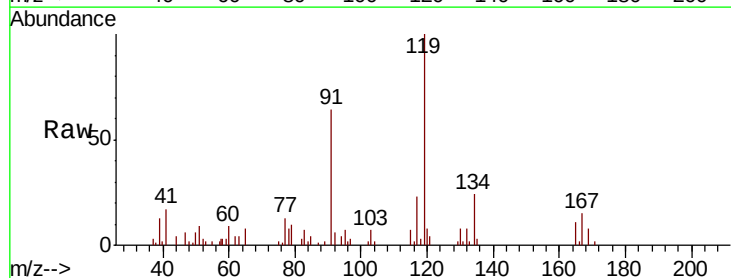
Acq: 09 Mar 2020 12:58

Tgt Ion:117 Resp: 3488

Ion Ratio Lower Upper

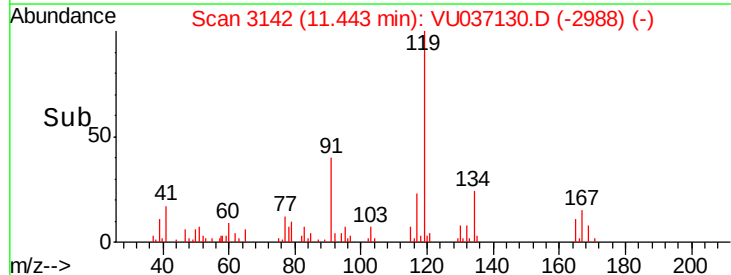
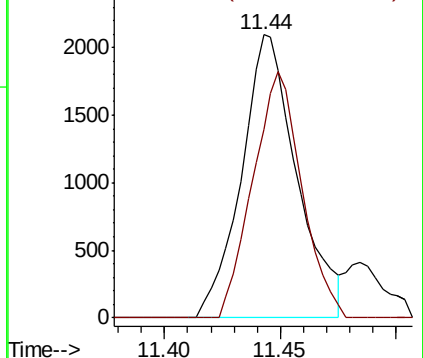
117 100

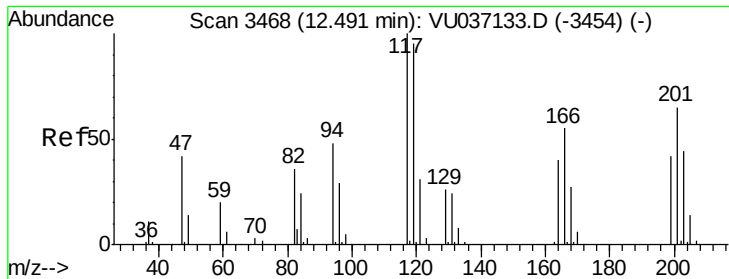
167 76.5 66.7 100.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V





#62

Hexachloroethane

Concen: 1.136 ug/l

RT: 12.49 min Scan# 3468

Delta R.T. -0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

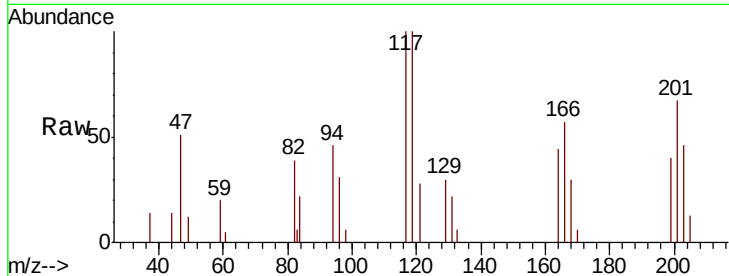
VSTDIC001

Tot Ion:117 Resp: 3645

Ion Ratio Lower Upper

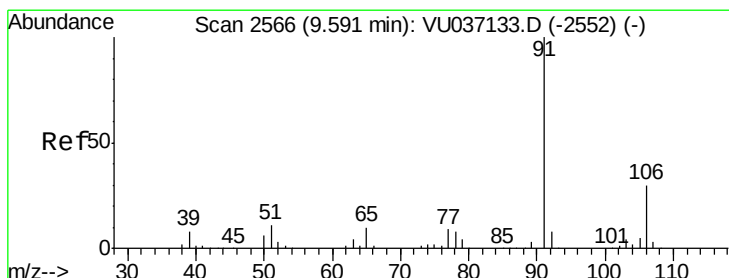
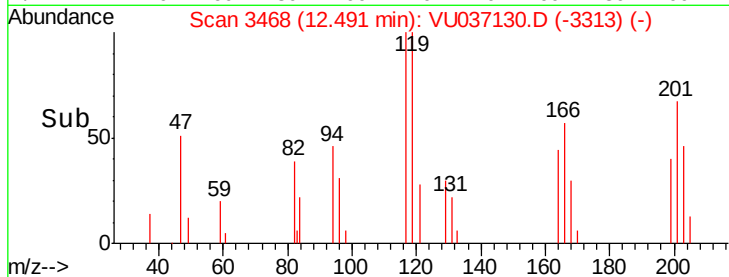
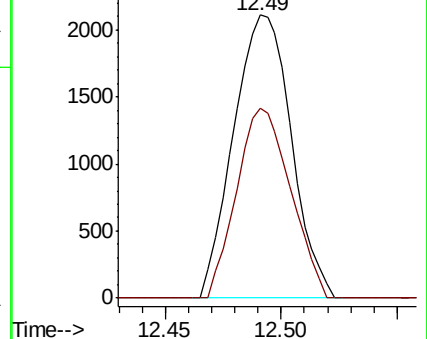
117 100

201 62.7 65.0 97.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V



#63

Ethyl Benzene

Concen: 0.986 ug/l

RT: 9.59 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VU037130.D

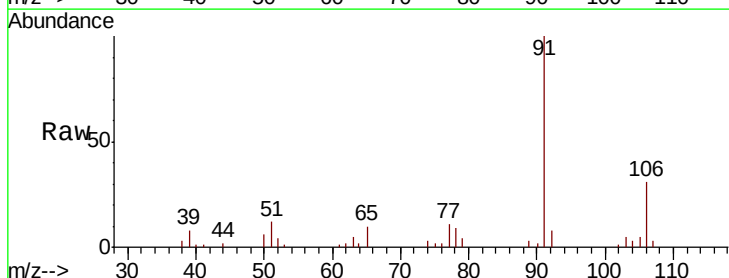
Acq: 09 Mar 2020 12:58

Tgt Ion: 91 Resp: 20204

Ion Ratio Lower Upper

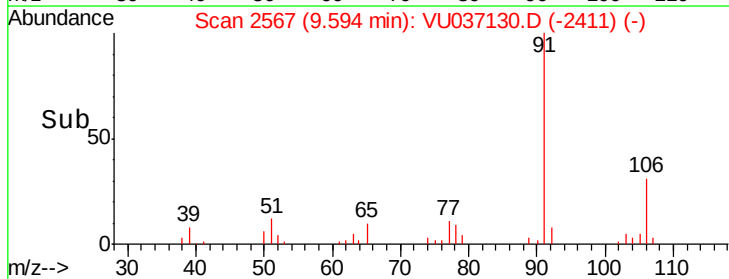
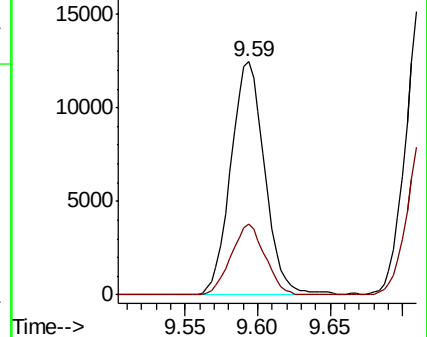
91 100

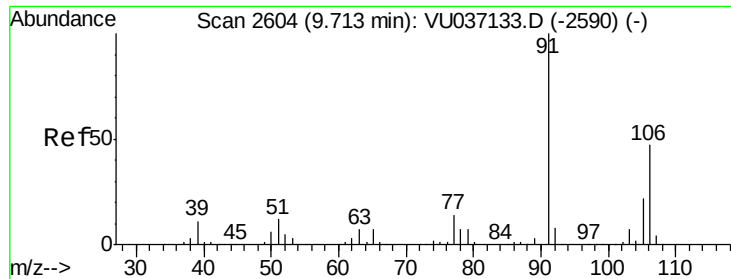
106 30.5 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#64

m/p-Xylenes

Concen: 1.869 ug/l

RT: 9.72 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

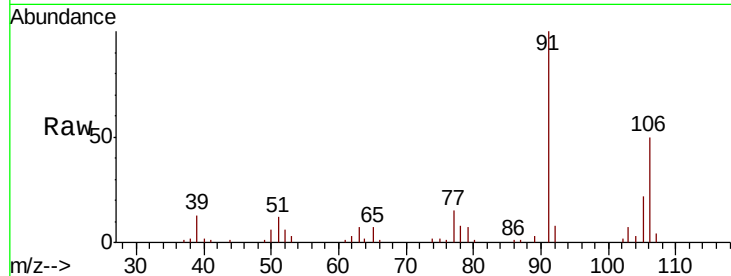
VSTDIC001

Tot Ion:106 Resp: 15154

Ion Ratio Lower Upper

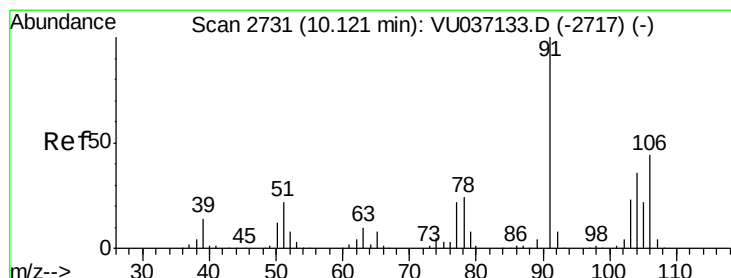
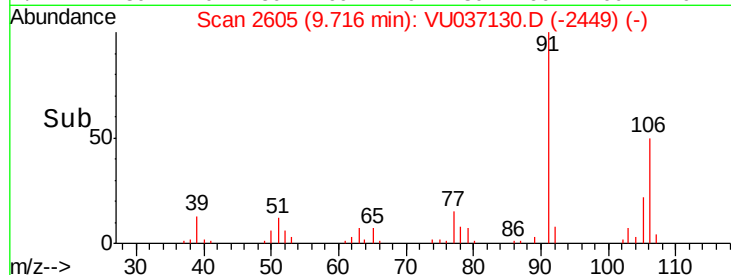
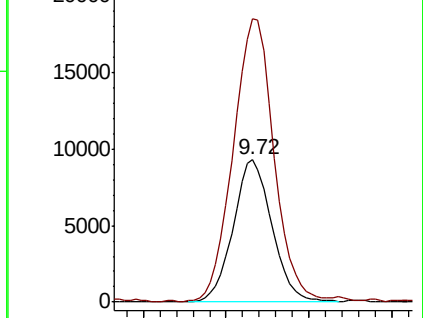
106 100

91 208.5 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#65

o-Xylene

Concen: 0.945 ug/l

RT: 10.12 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VU037130.D

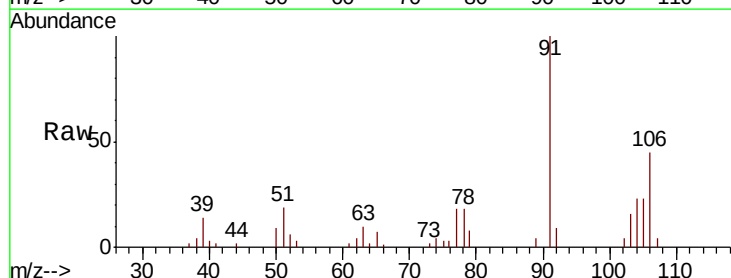
Acq: 09 Mar 2020 12:58

Tgt Ion:106 Resp: 7417

Ion Ratio Lower Upper

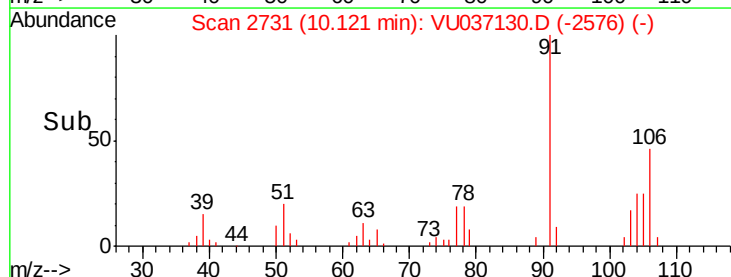
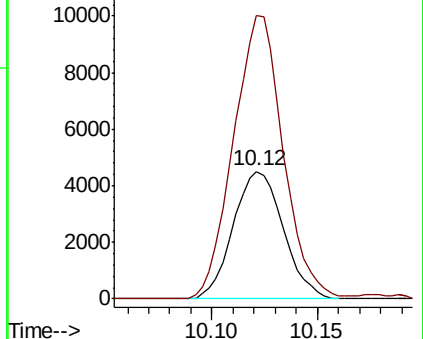
106 100

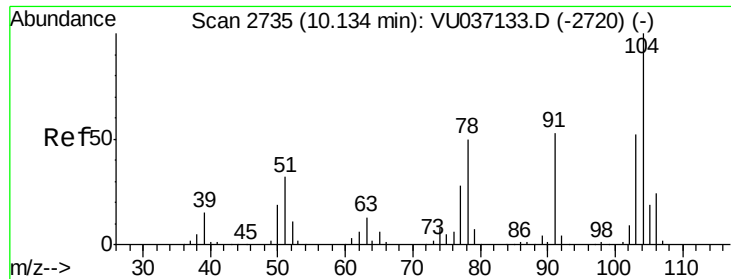
91 221.4 104.3 312.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

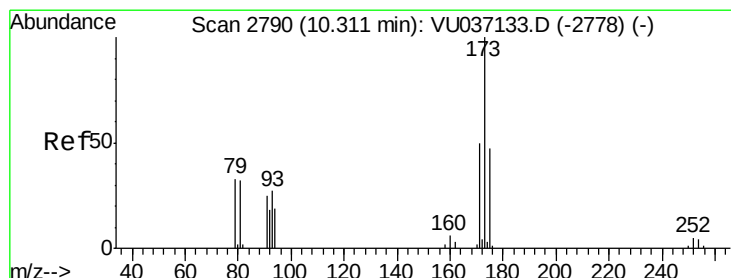
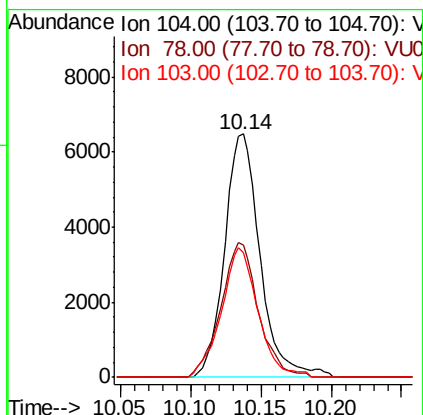
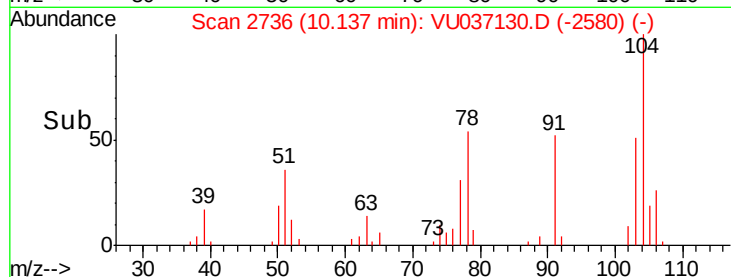
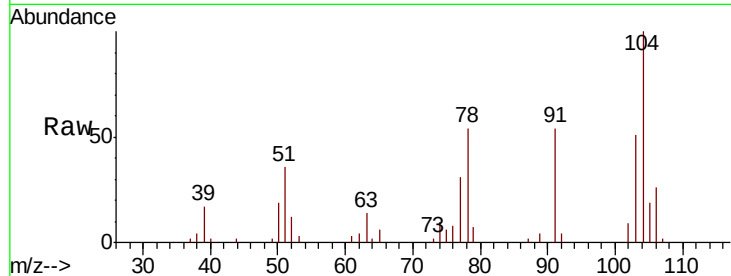




#66
Stvrene
Concen: 0.867 ug/l
RT: 10.14 min Scan# 2736
Delta R.T. 0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

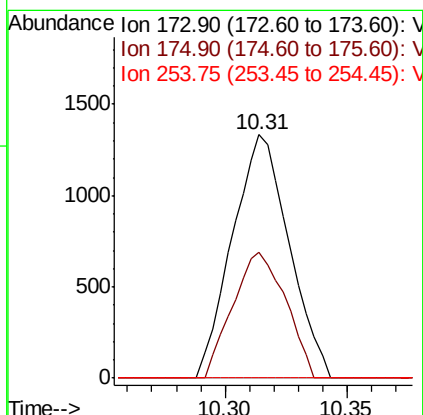
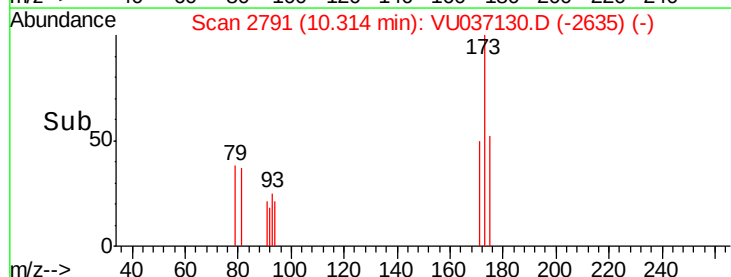
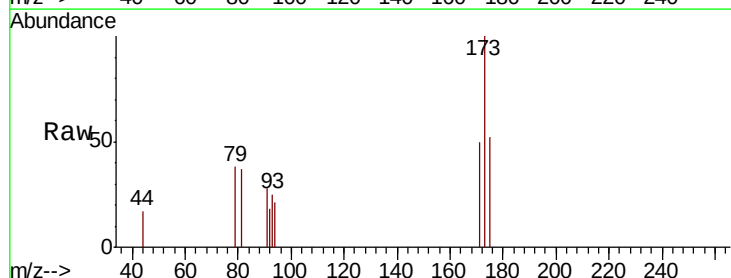
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

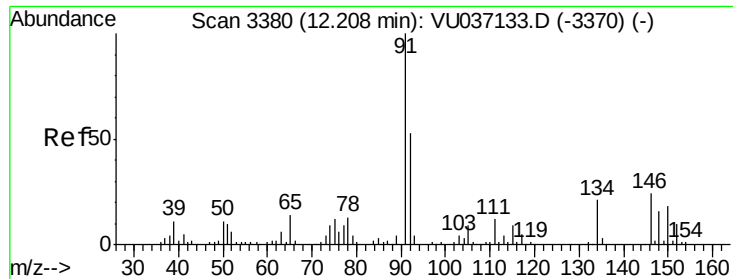
Tot Ion:104 Resp: 11398
Ion Ratio Lower Upper
104 100
78 58.4 38.6 57.8#
103 54.8 44.4 66.6



#67
Bromoform
Concen: 1.018 ug/l
RT: 10.31 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Tgt Ion:173 Resp: 2148
Ion Ratio Lower Upper
173 100
175 48.4 38.3 57.5
254 0.0 6.6 9.8#

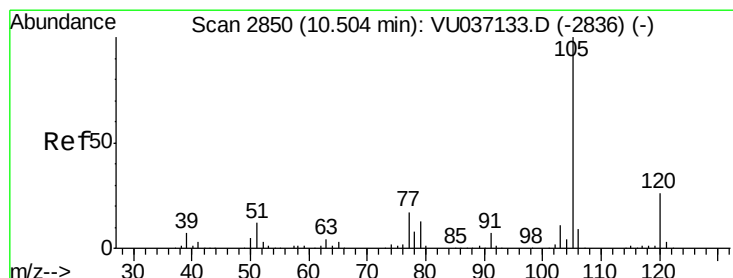
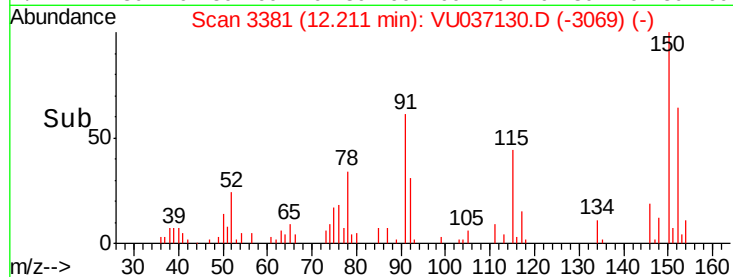
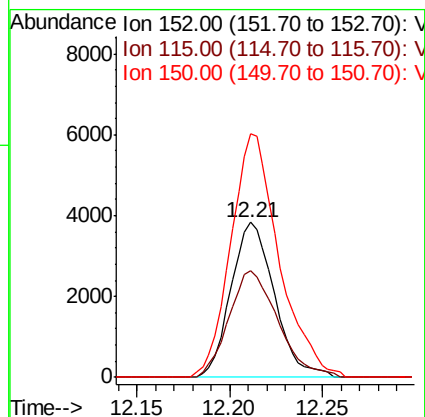
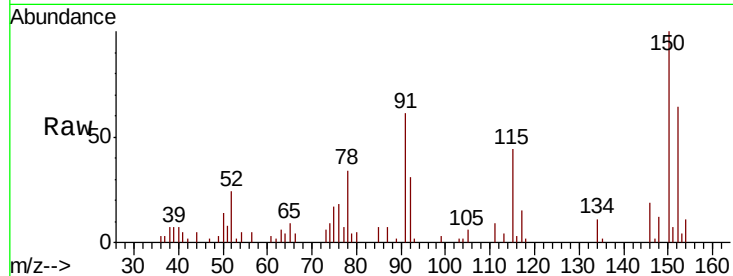




#68
 1,2-Dichlorobenzene-d4
 Concen: 1.042 ug/l
 RT: 12.21 min Scan# 3381
 Delta R.T. 0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

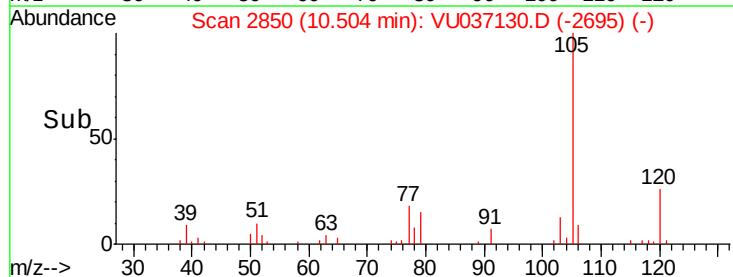
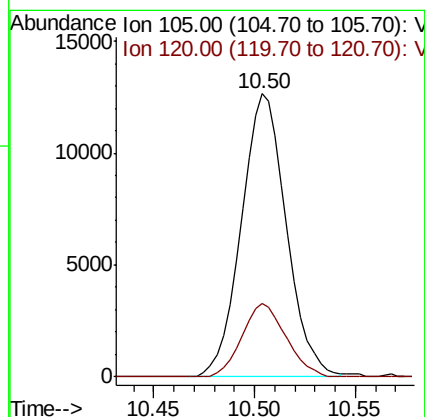
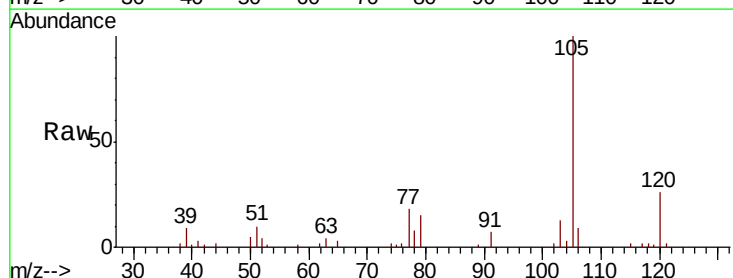
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

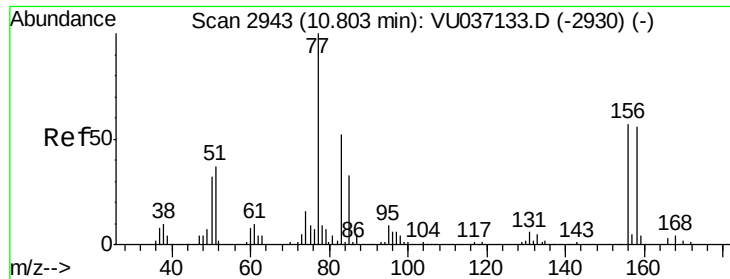
Tot Ion:152 Resp: 6243
 Ion Ratio Lower Upper
 152 100
 115 77.4 0.0 241.8
 150 174.0 0.0 652.4



#69
 Isopropylbenzene
 Concen: 0.957 ug/l
 RT: 10.50 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

Tgt Ion:105 Resp: 19736
 Ion Ratio Lower Upper
 105 100
 120 25.3 13.6 40.7





#70

1,1,2,2-Tetrachloroethane

Concen: 1.171 ug/l

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

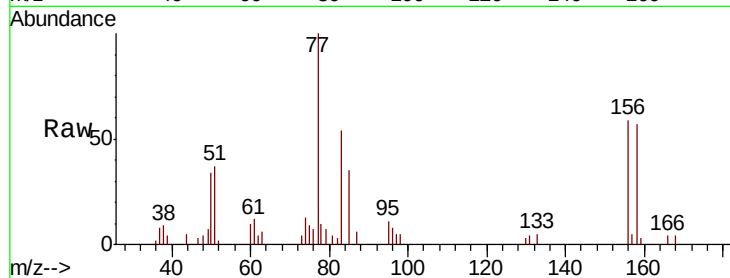
Tot Ion: 83 Resp: 4728

Ion Ratio Lower Upper

83 100

131 7.5 7.8 11.8#

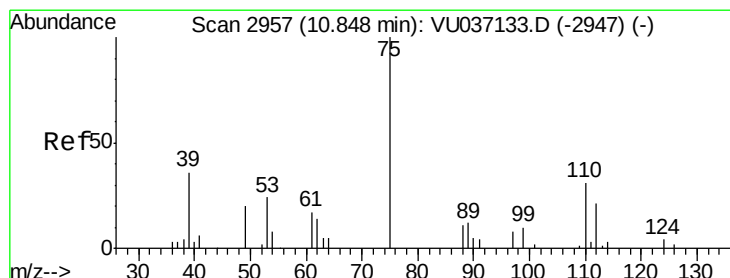
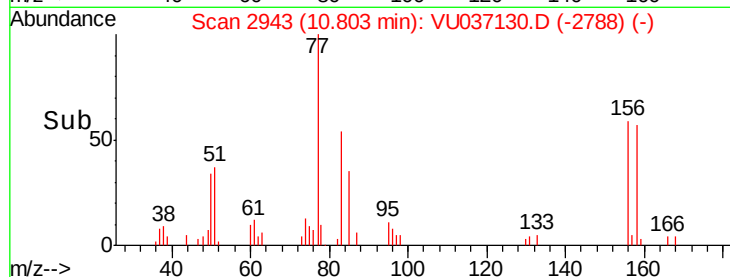
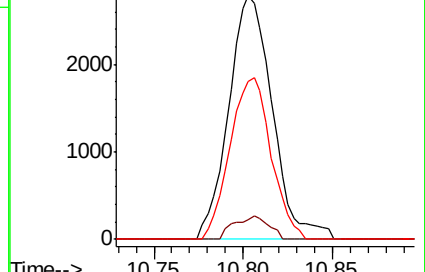
85 62.3 53.2 79.8



Abundance Ion 83.00 (82.70 to 83.70): VU037133.D (-2930) (-)

Ion 131.00 (130.70 to 131.70): VU037133.D (-2930) (-)

Ion 85.00 (84.70 to 85.70): VU037133.D (-2930) (-)



#71

1,2,3-Trichloropropane

Concen: 1.947 ug/l

RT: 10.85 min Scan# 2959

Delta R.T. 0.01 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Tgt Ion: 75 Resp: 5608

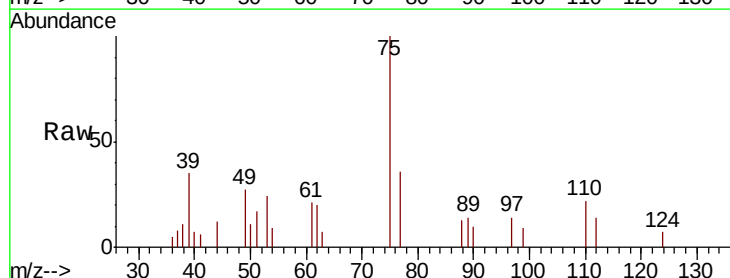
Ion Ratio Lower Upper

75 100

77 32.0 0.0 129.6

110 22.5 0.0 77.4

97 12.7 0.0 42.0

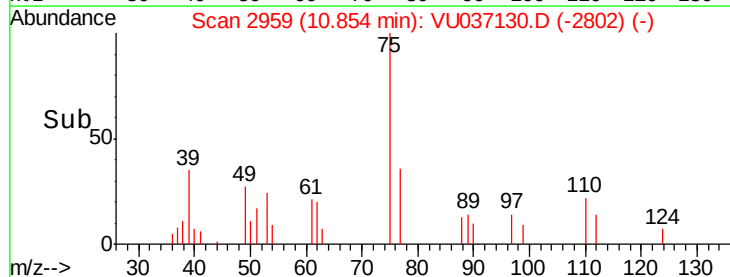
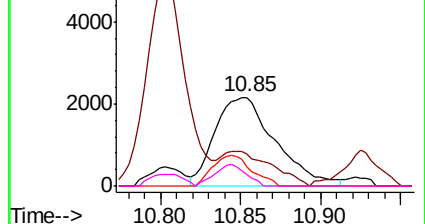


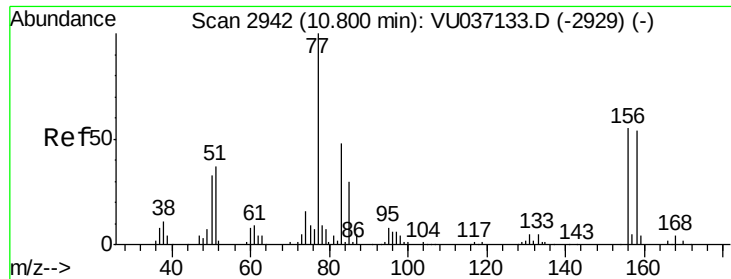
Abundance Ion 75.00 (74.70 to 75.70): VU037133.D (-2947) (-)

Ion 77.00 (76.70 to 77.70): VU037133.D (-2947) (-)

Ion 110.00 (109.70 to 110.70): VU037133.D (-2947) (-)

Ion 97.00 (96.70 to 97.70): VU037133.D (-2947) (-)





#72

Bromobenzene

Concen: 1.019 ug/l

RT: 10.80 min Scan# 2943

Delta R.T. 0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

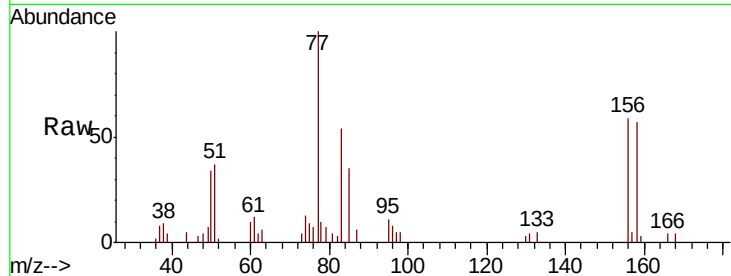
Tot Ion:156 Resp: 5064

Ion Ratio Lower Upper

156 100

77 172.2 0.0 306.6

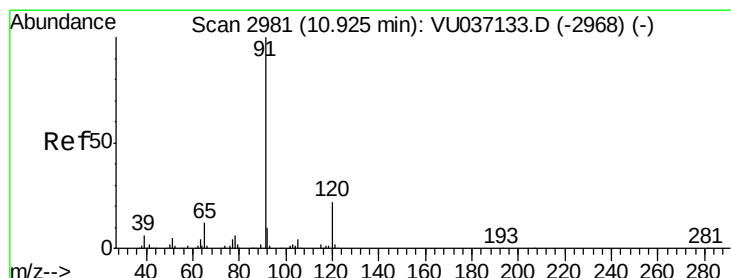
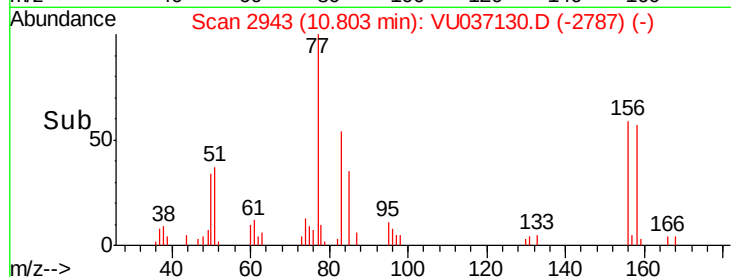
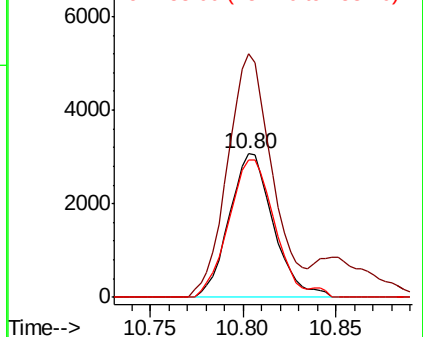
158 98.5 0.0 192.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V



#73

n-propylbenzene

Concen: 0.898 ug/l

RT: 10.92 min Scan# 2981

Delta R.T. -0.00 min

Lab File: VU037130.D

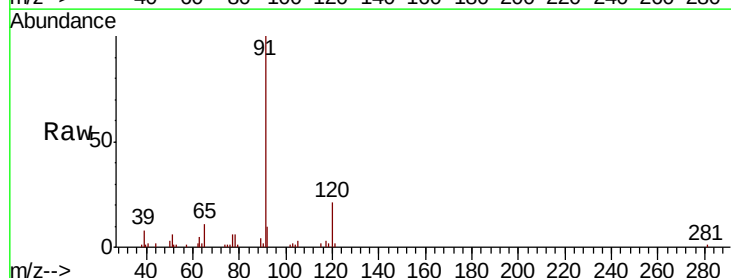
Acq: 09 Mar 2020 12:58

Tgt Ion:120 Resp: 5195

Ion Ratio Lower Upper

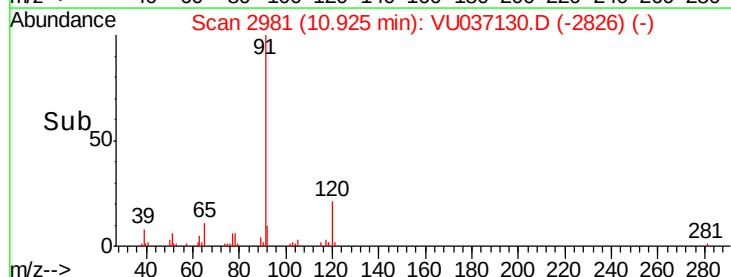
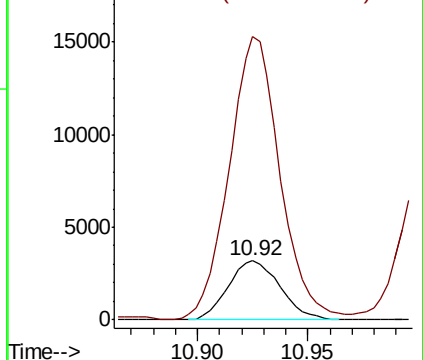
120 100

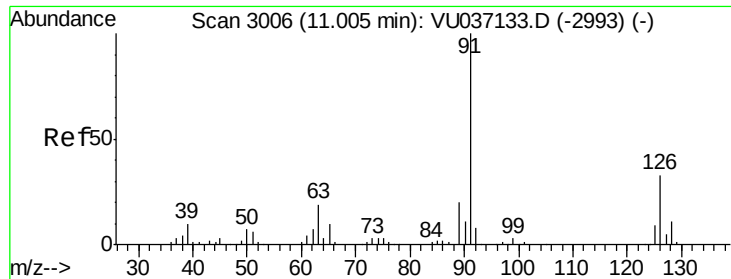
91 472.0 329.5 494.3



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0

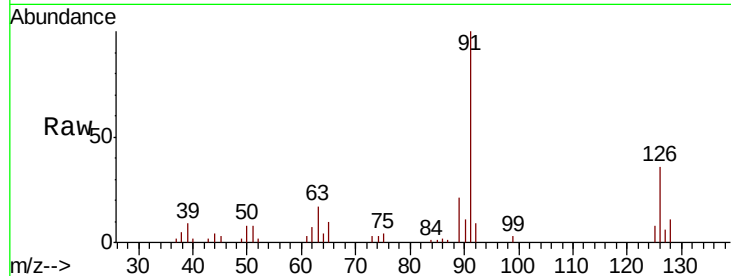




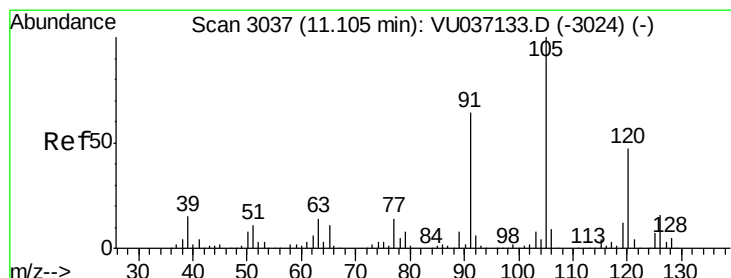
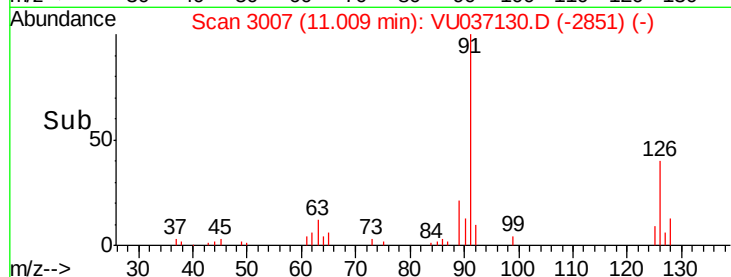
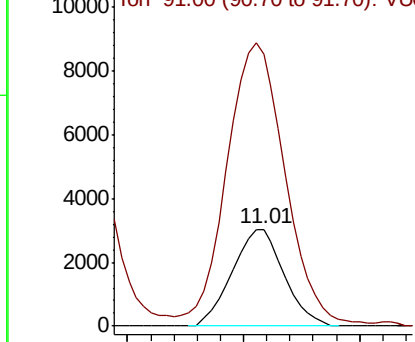
#74
 2-Chlorotoluene
 Concen: 0.951 ug/l
 RT: 11.01 min Scan# 3007
 Delta R.T. 0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:126 Resp: 4726
 Ion Ratio Lower Upper
 126 100
 91 322.3 0.0 567.4

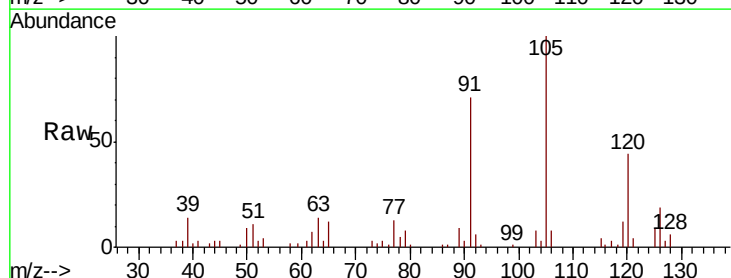


Abundance Ion 126.00 (125.70 to 126.70): V
 Ion 91.00 (90.70 to 91.70): VU0

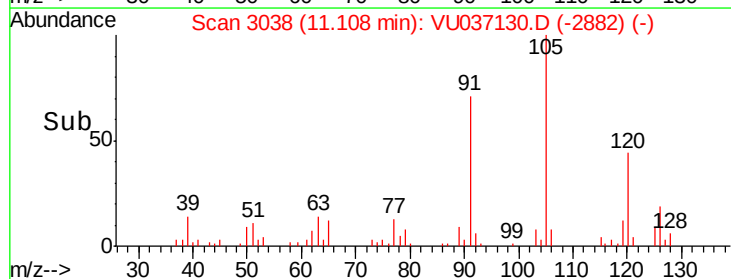
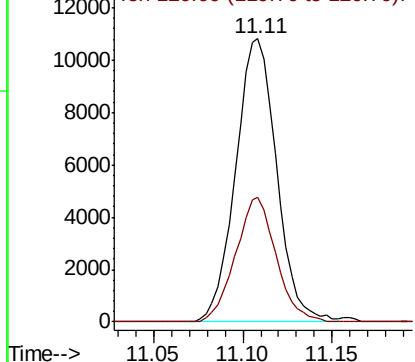


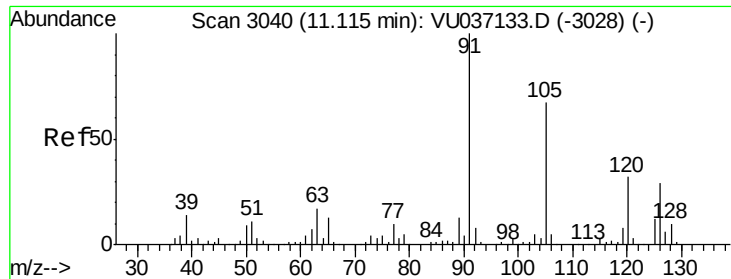
#75
 1,3,5-Trimethylbenzene
 Concen: 0.977 ug/l
 RT: 11.11 min Scan# 3038
 Delta R.T. 0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

Tgt Ion:105 Resp: 17284
 Ion Ratio Lower Upper
 105 100
 120 43.4 39.8 59.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

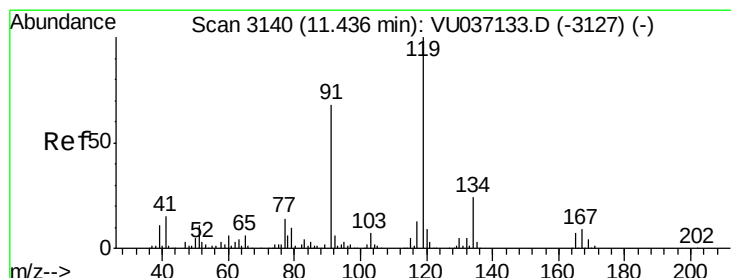
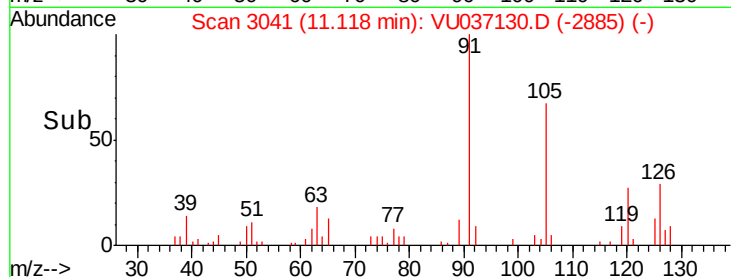
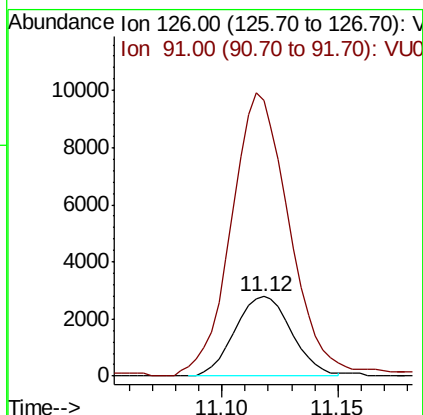
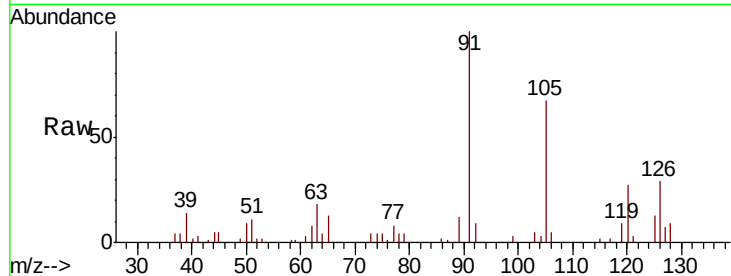




#76
4-Chlorotoluene
Concen: 0.923 ug/l
RT: 11.12 min Scan# 3041
Delta R.T. 0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

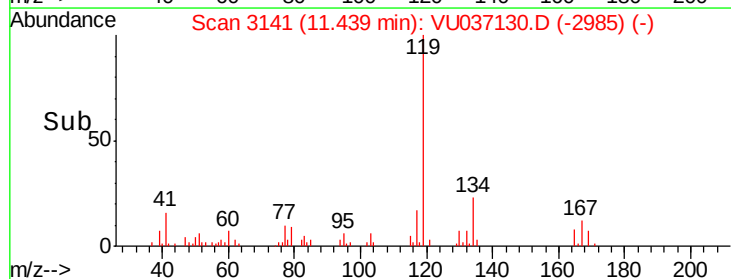
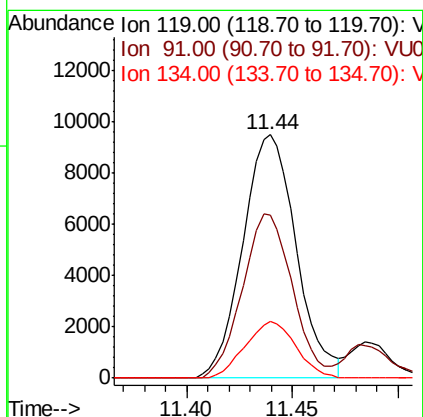
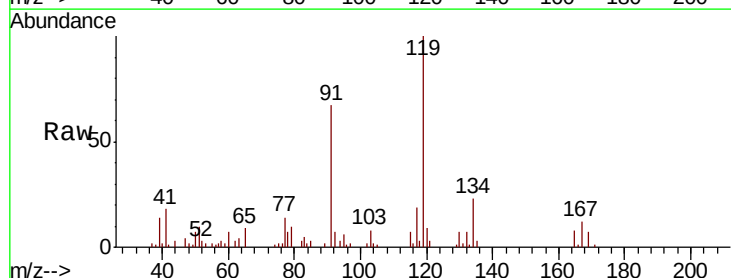
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

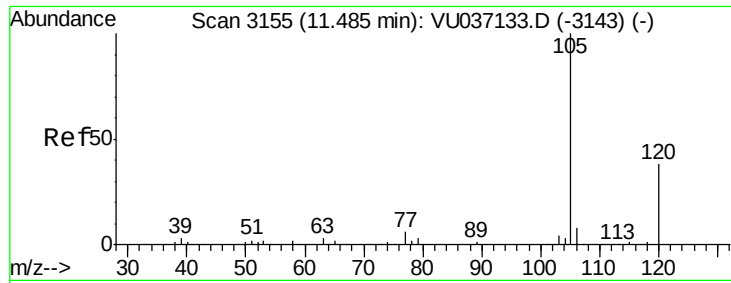
Tot Ion:126 Resp: 4738
Ion Ratio Lower Upper
126 100
91 367.9 0.0 633.0



#77
tert-Butylbenzene
Concen: 0.998 ug/l
RT: 11.44 min Scan# 3141
Delta R.T. 0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Tgt Ion:119 Resp: 16734
Ion Ratio Lower Upper
119 100
91 63.0 29.3 87.8
134 21.9 19.0 28.4

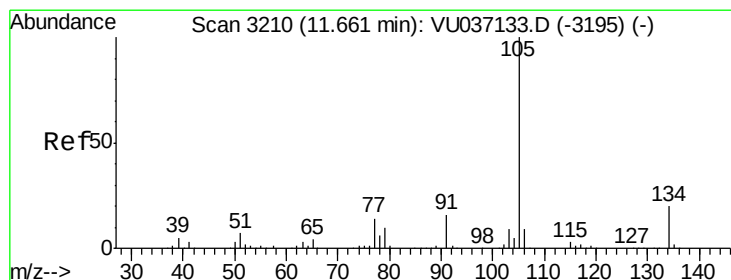
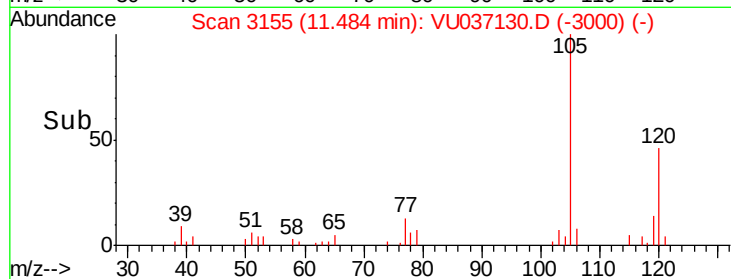
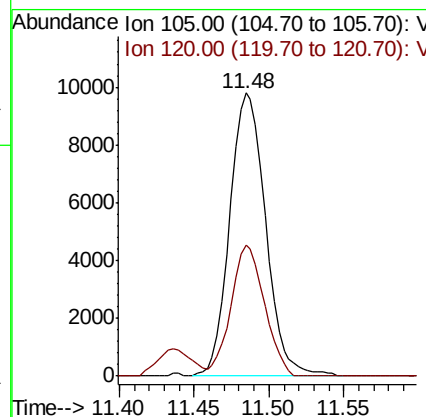
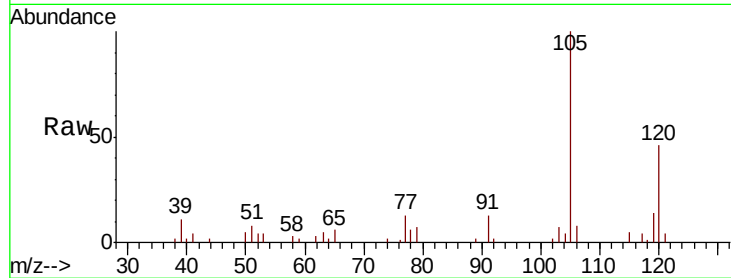




#78
 1,2,4-Trimethylbenzene
 Concen: 0.899 ug/l
 RT: 11.48 min Scan# 3155
 Delta R.T. -0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

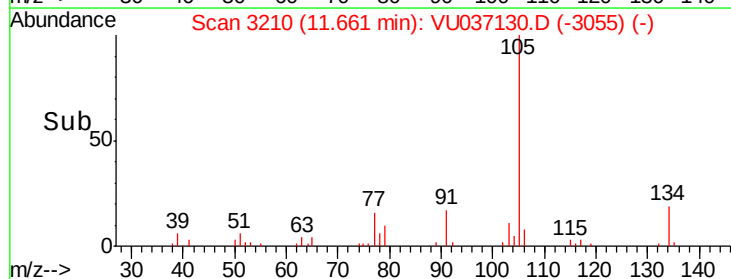
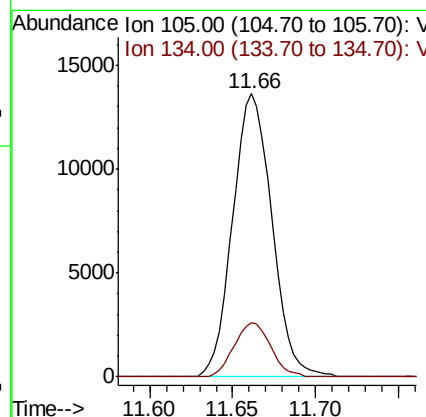
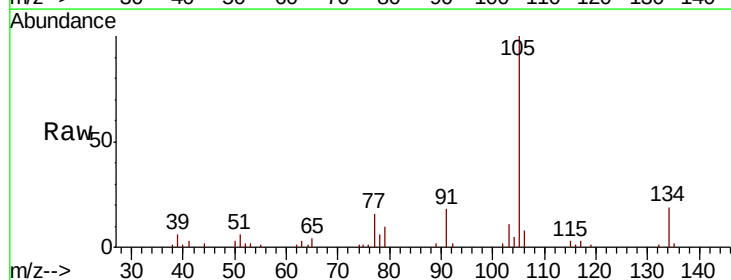
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

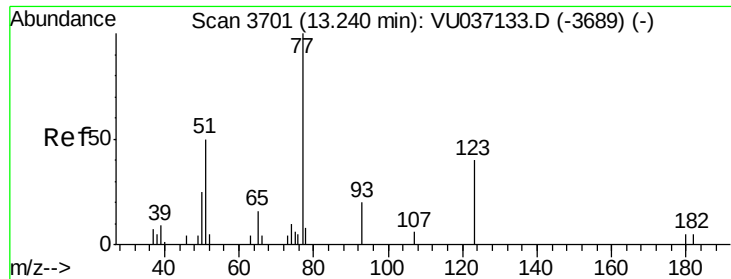
Tot Ion:105 Resp: 16389
 Ion Ratio Lower Upper
 105 100
 120 43.1 23.3 69.8



#79
 sec-Butylbenzene
 Concen: 0.964 ug/l
 RT: 11.66 min Scan# 3210
 Delta R.T. -0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

Tgt Ion:105 Resp: 22411
 Ion Ratio Lower Upper
 105 100
 134 17.8 16.0 24.0

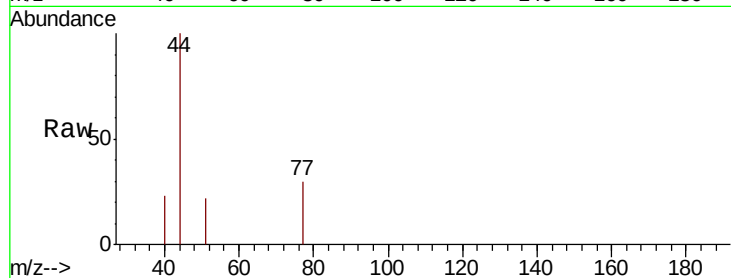




#80
Nitrobenzene
Concen: 2.606 ug/l
RT: 13.25 min Scan# 3703
Delta R.T. 0.01 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

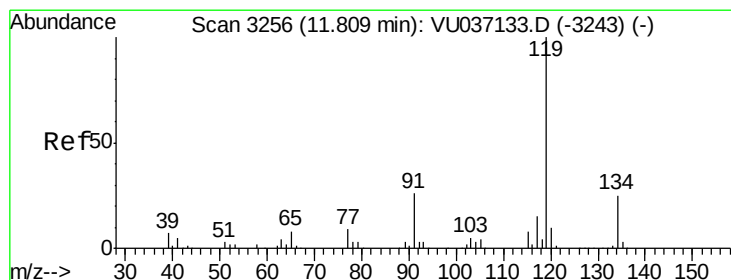
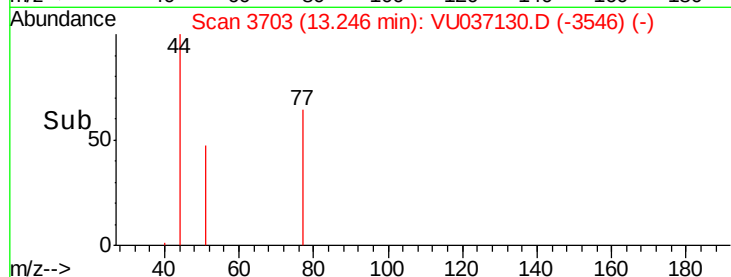
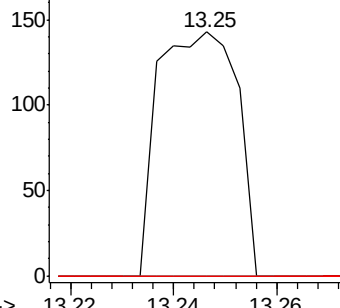
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	19.6	69.6#
65	0.0	12.7	16.1#



Abundance Ion 77.00 (76.70 to 77.70): VU037130.D (-3689) (-)

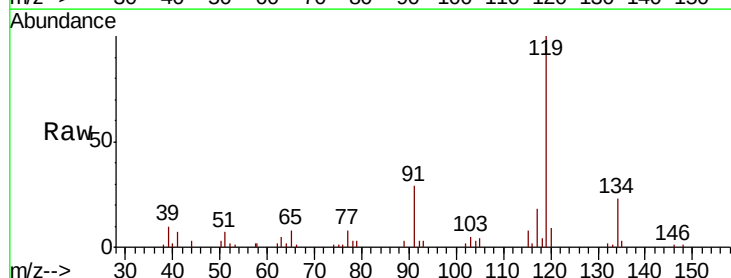
Ion 123.00 (122.70 to 123.70): VU037130.D (-3689) (-)

Ion 65.00 (64.70 to 65.70): VU037130.D (-3689) (-)



#81
p-Isopropyltoluene
Concen: 0.874 ug/l
RT: 11.81 min Scan# 3256
Delta R.T. -0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

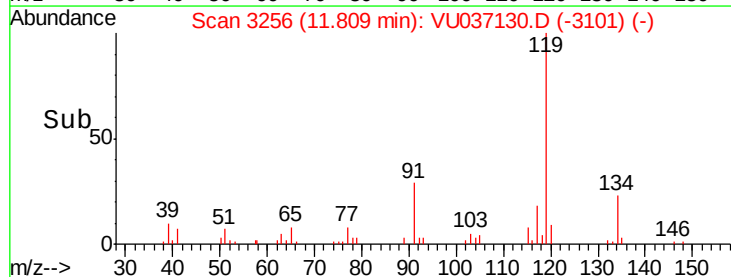
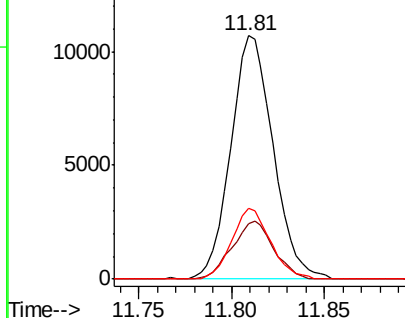
Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.2	21.4	32.0
91	26.5	18.3	27.5

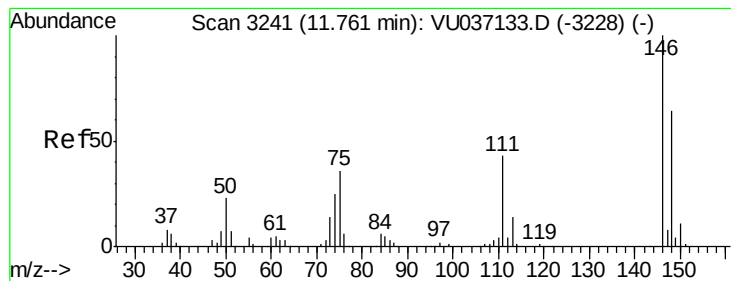


Abundance Ion 119.00 (118.70 to 119.70): VU037130.D (-3243) (-)

Ion 134.00 (133.70 to 134.70): VU037130.D (-3243) (-)

Ion 91.00 (90.70 to 91.70): VU037130.D (-3243) (-)





#82

1,3-Dichlorobenzene

Concen: 0.987 ug/l

RT: 11.76 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

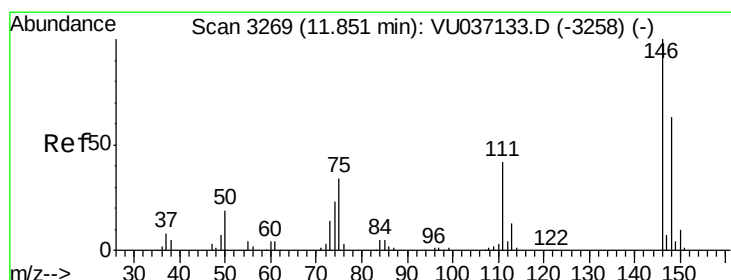
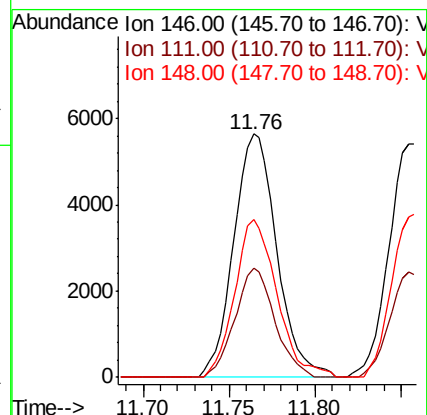
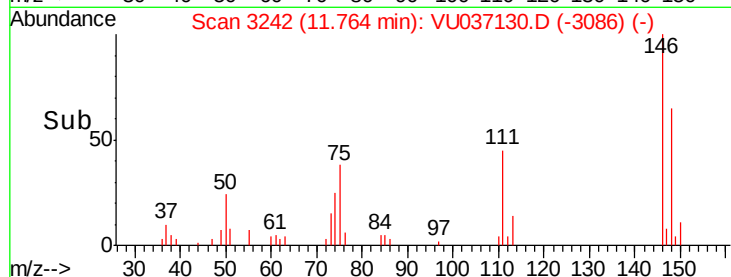
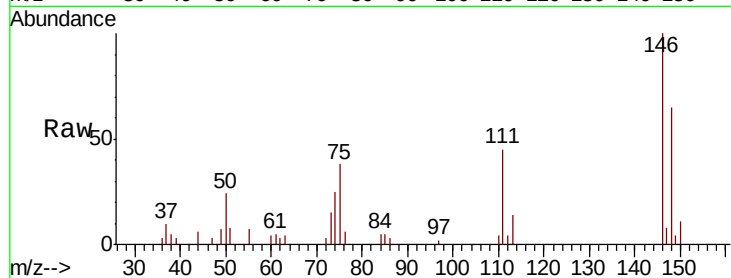
Tot Ion:146 Resp: 9809

Ion Ratio Lower Upper

146 100

111 41.6 32.2 48.2

148 63.4 51.4 77.2



#83

1,4-Dichlorobenzene

Concen: 0.993 ug/l

RT: 11.86 min Scan# 3271

Delta R.T. 0.01 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

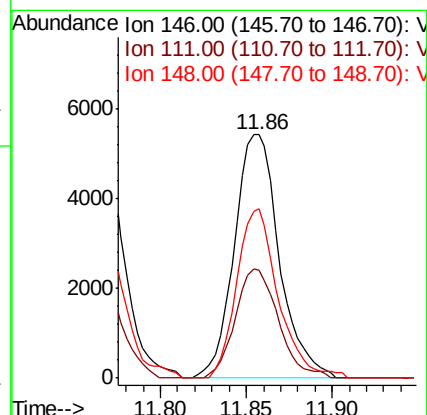
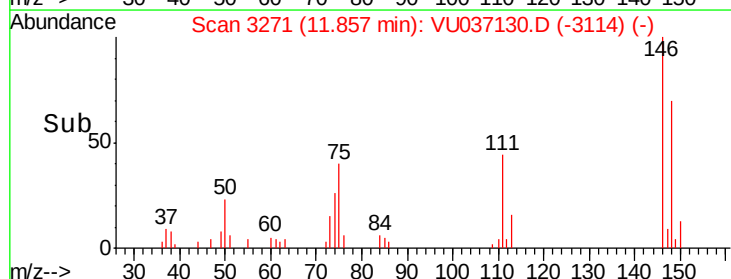
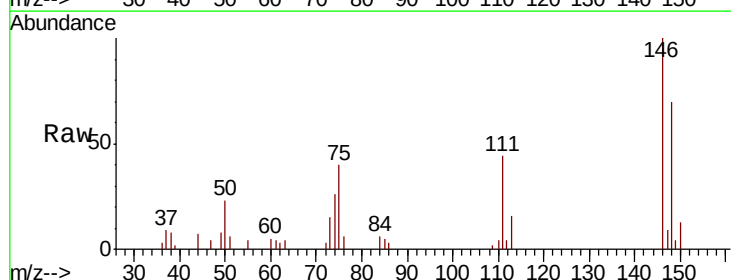
Tgt Ion:146 Resp: 9866

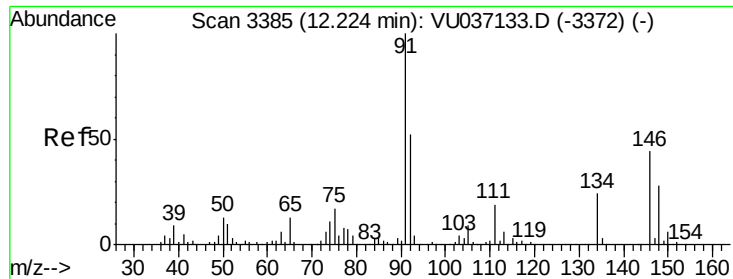
Ion Ratio Lower Upper

146 100

111 43.1 30.5 45.7

148 64.2 51.0 76.4





#84

n-Butylbenzene

Concen: 0.886 ug/l

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

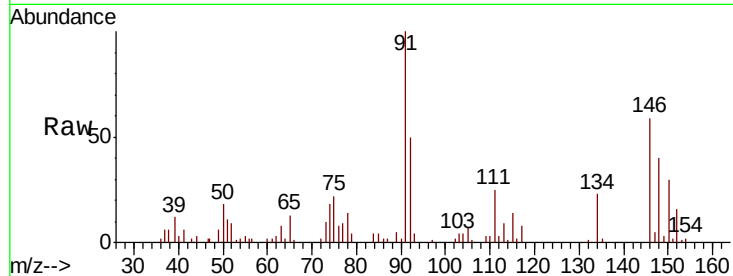
Tot Ion: 91 Resp: 15921

Ion Ratio Lower Upper

91 100

92 49.5 42.9 64.3

134 21.8 21.4 32.0

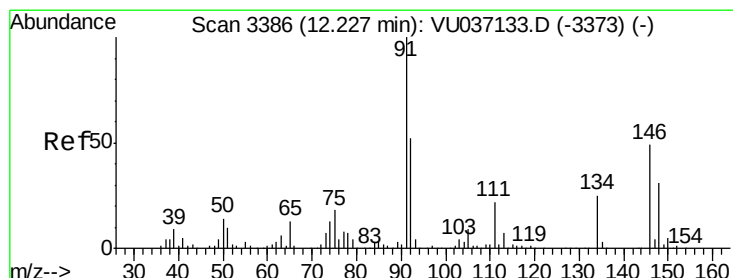
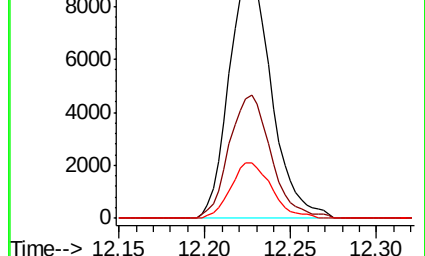
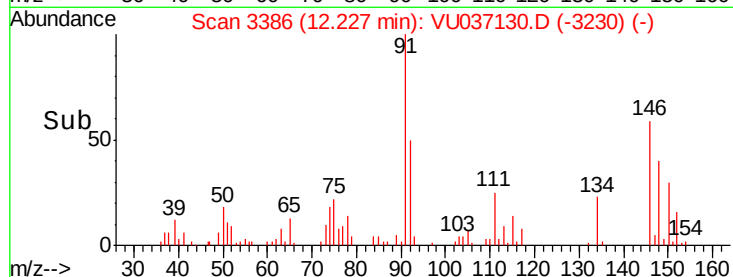


Abundance Ion 91.00 (90.70 to 91.70): VU037133.D (-3372) (-)

Ion 92.00 (91.70 to 92.70): VU037133.D (-3372) (-)

Ion 134.00 (133.70 to 134.70): VU037133.D (-3372) (-)

Time-->



#85

1,2-Dichlorobenzene

Concen: 1.026 ug/l

RT: 12.23 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

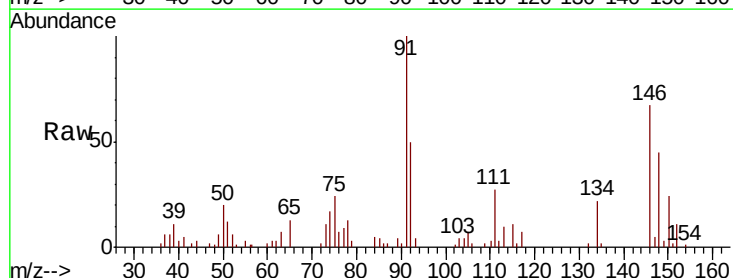
Tgt Ion: 146 Resp: 9762

Ion Ratio Lower Upper

146 100

111 42.9 20.8 62.4

148 67.2 32.0 96.2

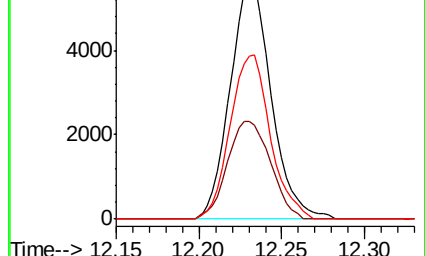
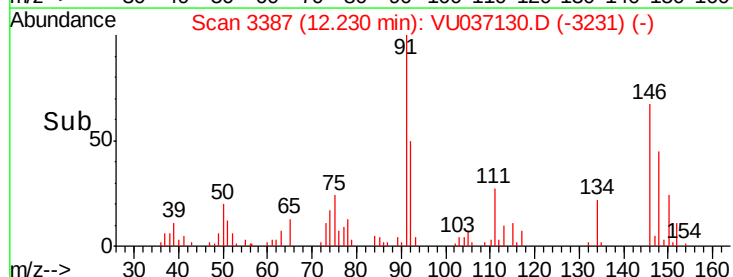


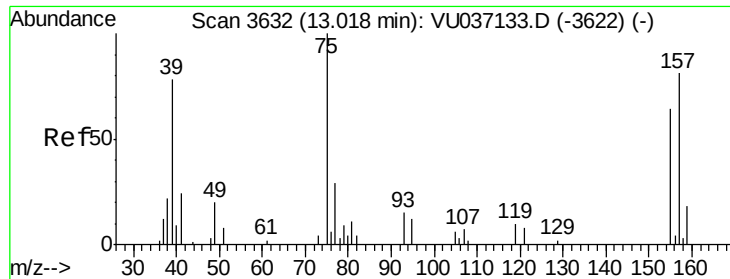
Abundance Ion 146.00 (145.70 to 146.70): VU037133.D (-3373) (-)

Ion 111.00 (110.70 to 111.70): VU037133.D (-3373) (-)

Ion 148.00 (147.70 to 148.70): VU037133.D (-3373) (-)

Time-->

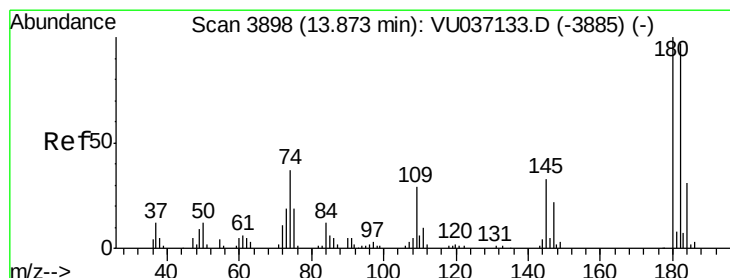
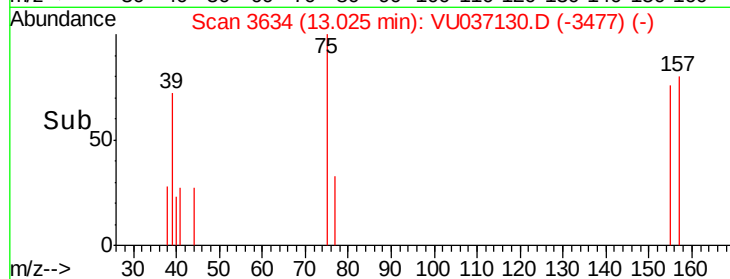
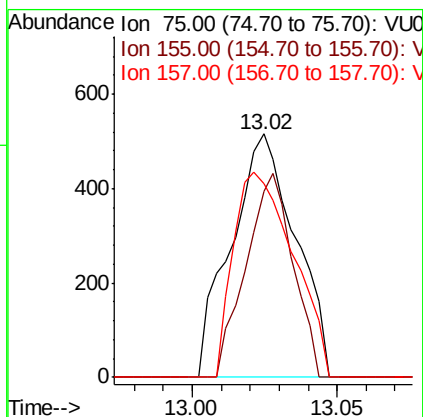
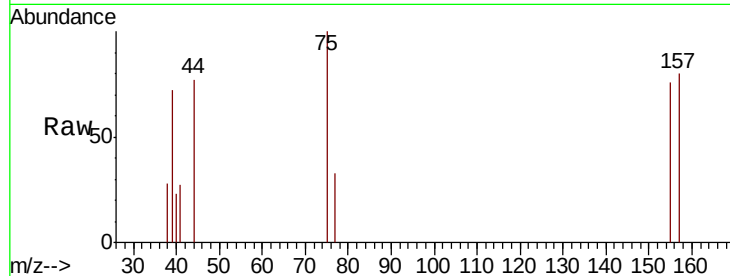




#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.163 ug/l
 RT: 13.02 min Scan# 3634
 Delta R.T. 0.01 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

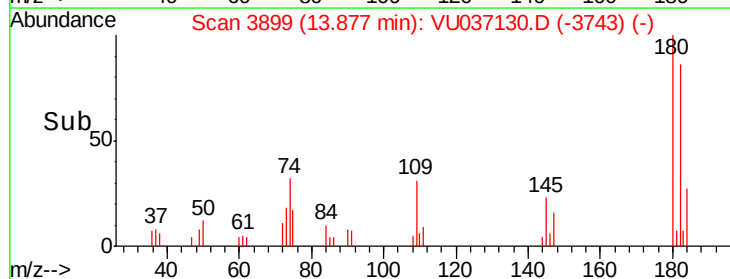
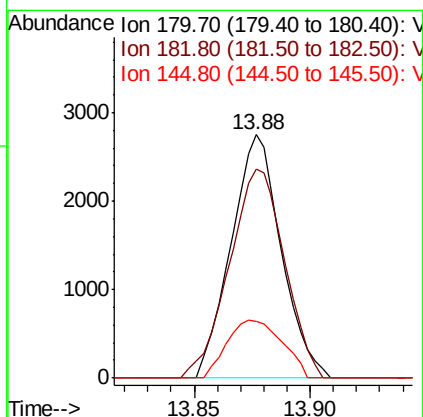
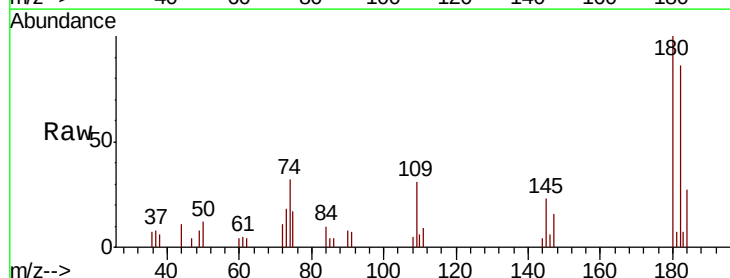
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

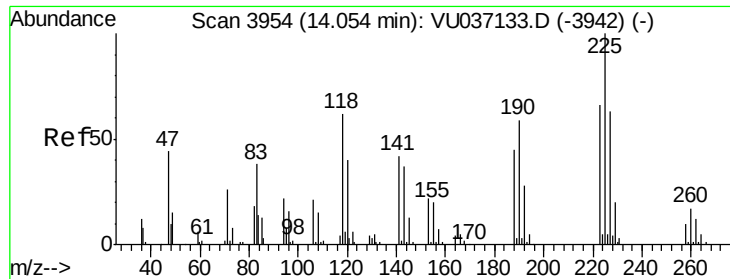
Tot Ion: 75 Resp: 795
 Ion Ratio Lower Upper
 75 100
 155 61.1 71.8 107.8#
 157 78.2 92.4 138.6#



#87
 1,2,4-Trichlorobenzene
 Concen: 0.678 ug/l
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

Tgt Ion: 180 Resp: 4125
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.9 113.9
 145 26.1 23.4 35.2





#88

Hexachlorobutadiene

Concen: 0.863 ug/l

RT: 14.06 min Scan# 3956

Delta R.T. 0.01 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

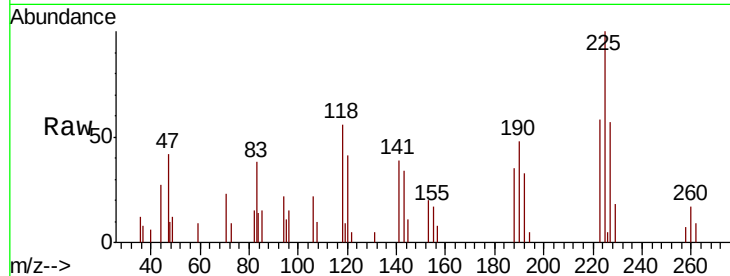
Tot Ion:225 Resp: 2879

Ion Ratio Lower Upper

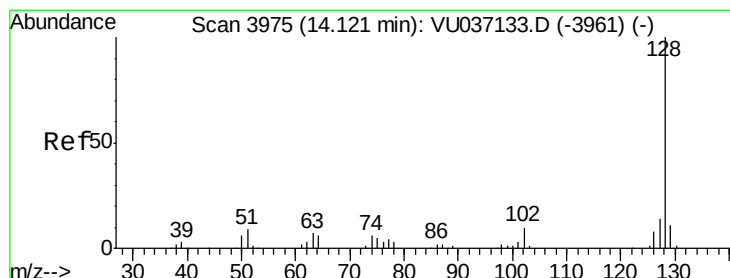
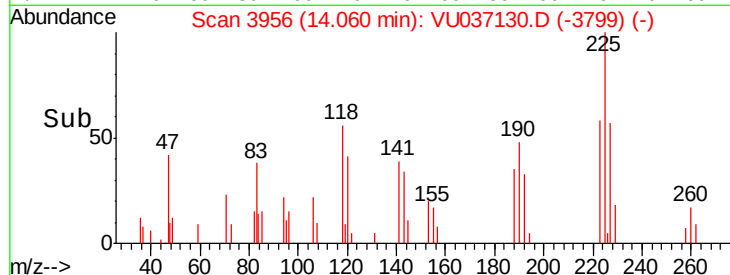
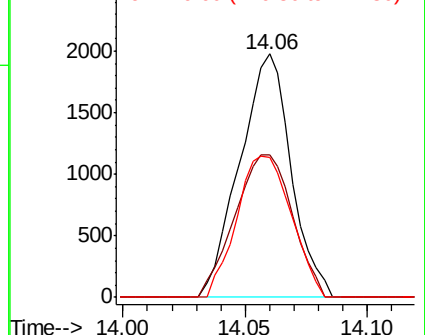
225 100

223 66.0 51.7 77.5

227 61.8 50.6 75.8



Abundance Ion 224.60 (224.30 to 225.30): V
Ion 222.60 (222.30 to 223.30): V
Ion 226.60 (226.30 to 227.30): V



#89

Naphthalene

Concen: 0.573 ug/l

RT: 14.13 min Scan# 3977

Delta R.T. 0.01 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

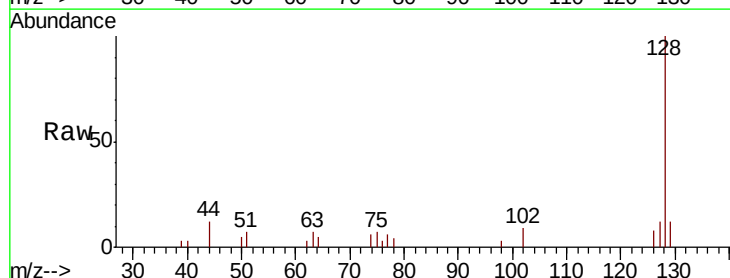
Tgt Ion:128 Resp: 6005

Ion Ratio Lower Upper

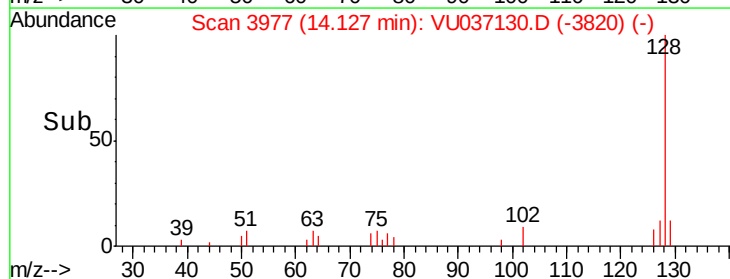
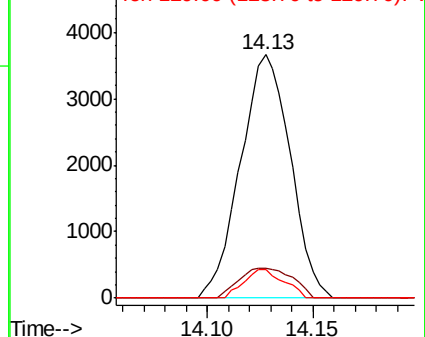
128 100

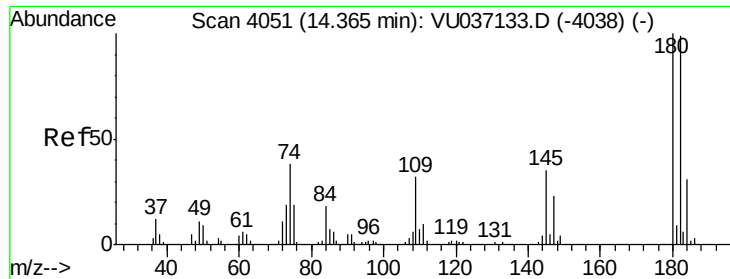
127 13.3 10.5 15.7

129 9.3 8.7 13.1



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





#90

1,2,3-Trichlorobenzene

Concen: 0.756 ug/l

RT: 14.37 min Scan# 4053

Delta R.T. 0.01 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

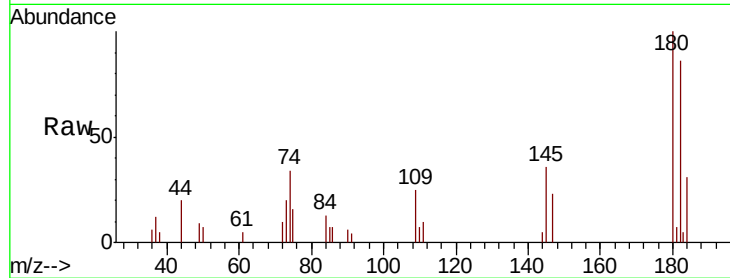
Tot Ion:180 Resp: 4324

Ion Ratio Lower Upper

180 100

182 91.5 76.2 114.4

145 35.8 25.2 37.8



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

