

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030920\
 Data File : VU037131.D
 Acq On : 09 Mar 2020 13:25
 Operator : JC/MD
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Quant Time: Mar 09 15:30:01 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	16266	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.65	95	6312	1.03	ug/l	0.00
Spiked Amount	1.000		Recovery	=	103.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	6571	1.05	ug/l	0.00
Spiked Amount	1.000		Recovery	=	105.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	16360	3.043	ug/l 99
3) Chloromethane	1.54	50	15581	2.703	ug/l 97
4) Vinyl Chloride	1.62	62	13887	2.127	ug/l 97
5) Bromomethane	1.87	94	4677	1.153	ug/l 91
6) Chloroethane	1.95	64	6856	1.773	ug/l 99
7) Trichlorofluoromethane	2.16	101	17281	2.679	ug/l 94
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	8400	2.090	ug/l 95
9) 1,1-Dichloroethene	2.61	96	7737	1.809	ug/l 79
10) Iodomethane	2.75	142	2673	0.583	ug/l 90
11) Allyl Chloride	2.95	41	14928	2.524	ug/l # 64
12) Acrylonitrile	3.36	53	3634	3.464	ug/l # 85
13) Acetone	2.66	43	10219	11.949	ug/l # 86
14) Carbon Disulfide	2.82	76	24754	1.671	ug/l 95
15) Methylene Chloride	3.08	84	9943	1.765	ug/l # 82
16) trans-1,2-Dichloroethene	3.38	96	8337	1.767	ug/l 95
17) 1,1-Dichloroethane	3.91	63	19162	2.492	ug/l 97
18) 2-Butanone	4.77	43	15130	13.433	ug/l 98
19) Cyclohexane	5.42	56	14733	2.096	ug/l 94
20) Methylcyclohexane	6.79	83	15531	1.979	ug/l # 86
21) 2,2-Dichloropropane	4.70	77	16974	2.586	ug/l 95
22) cis-1,2-Dichloroethene	4.71	96	10314	2.107	ug/l 83
23) Diethyl Ether	2.40	59	6401	1.937	ug/l 88
24) tert-Butyl Alcohol	3.25	59	7316	24.775	ug/l 96
25) Methyl tert-Butyl Ether	3.41	73	22520	2.009	ug/l # 73
26) Bromochloromethane	5.02	128	4425	2.087	ug/l 76
27) Chloroform	5.13	83	19957	2.624	ug/l 99
28) 1,1,1-Trichloroethane	5.35	97	17134	2.687	ug/l 95
29) 1,1-Dichloropropene	5.56	75	14288	2.296	ug/l 93
30) Carbon Tetrachloride	5.56	117	15048	2.756	ug/l 98
31) Isopropyl Ether	4.05	45	29869	2.559	ug/l 85
32) Ethyl-t-butyl ether	4.56	59	27693	2.268	ug/l 92
33) Tert-Amyl methyl ether	5.99	73	23189	2.074	ug/l 99
34) Propionitrile	4.84	54	3896	12.000	ug/l # 92
35) Benzene	5.81	78	40346	2.239	ug/l 99
36) 1,2-Dichloroethane	5.84	62	14076	2.901	ug/l # 91
37) Trichloroethene	6.57	130	10501	2.110	ug/l 85
38) 1,2-Dichloropropane	6.83	63	10775	2.378	ug/l 97
39) Methacrylonitrile	5.03	41	4029	2.953	ug/l # 83
40) Methyl acrylate	4.90	55	5249	2.427	ug/l # 91
41) Tetrahydrofuran	5.11	42	3875	5.212	ug/l # 64
42) 1-Chlorobutane	5.50	56	19439	2.411	ug/l 76

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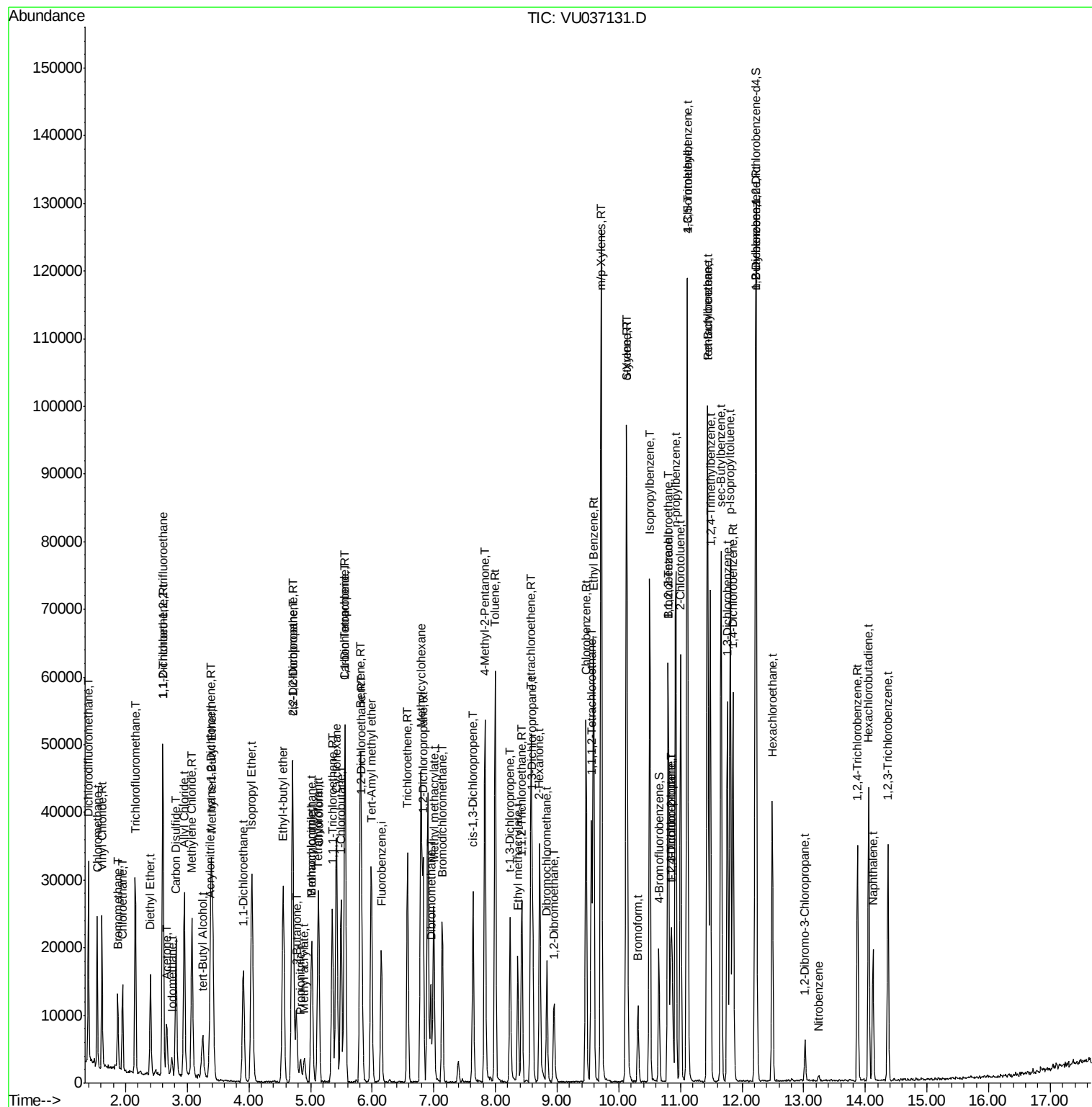
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.95	93	5613	2.373	ug/l	93
44) Bromodichloromethane	7.14	83	14117	2.523	ug/l	99
45) 4-Methyl-2-Pentanone	7.83	43	35902	13.473	ug/l #	85
46) t-1,4-Dichloro-2-butene	10.84	75	12059	10.276	ug/l #	65
47) Methyl methacrylate	7.00	69	8968	3.869	ug/l #	58
48) Ethyl methacrylate	8.36	69	8205	1.833	ug/l	68
49) Toluene	8.00	92	23160	2.013	ug/l	98
50) t-1,3-Dichloropropene	8.24	75	12389	2.222	ug/l	97
51) cis-1,3-Dichloropropene	7.64	75	14899	2.205	ug/l #	78
52) 1,1,2-Trichloroethane	8.43	97	7272	2.167	ug/l	95
53) 1,3-Dichloropropane	8.60	76	12958	2.253	ug/l	97
54) 2-Hexanone	8.72	43	24334	13.021	ug/l	84
55) Dibromochloromethane	8.84	129	8858	2.293	ug/l	99
56) 1,2-Dibromoethane	8.95	107	7049	2.181	ug/l	100
58) Tetrachloroethene	8.58	164	9803	1.971	ug/l	96
59) Chlorobenzene	9.47	112	25865	2.018	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.56	131	9653	2.358	ug/l	95
61) Pentachloroethane	11.45	117	7098	2.688	ug/l	96
62) Hexachloroethane	12.49	117	7941	2.360	ug/l #	78
63) Ethyl Benzene	9.59	91	43243	2.013	ug/l	96
64) m/p-Xylenes	9.72	106	33157	3.900	ug/l	89
65) o-Xylene	10.12	106	16229	1.971	ug/l	90
66) Styrene	10.13	104	26123	1.895	ug/l	93
67) Bromoform	10.31	173	4776	2.159	ug/l #	93
69) Isopropylbenzene	10.50	105	44775	2.070	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.80	83	10048	2.373	ug/l	91
71) 1,2,3-Trichloropropane	10.84	75	12059	3.992	ug/l	67
72) Bromobenzene	10.80	156	11870	2.278	ug/l	95
73) n-propylbenzene	10.92	120	11689	1.926	ug/l	76
74) 2-Chlorotoluene	11.00	126	10956	2.102	ug/l	86
75) 1,3,5-Trimethylbenzene	11.10	105	37885	2.042	ug/l	96
76) 4-Chlorotoluene	11.12	126	11157	2.072	ug/l	76
77) tert-Butylbenzene	11.44	119	37268	2.120	ug/l	95
78) 1,2,4-Trimethylbenzene	11.48	105	38089	1.992	ug/l	98
79) sec-Butylbenzene	11.66	105	51441	2.110	ug/l	97
80) Nitrobenzene	13.24	77	687	11.307	ug/l #	66
81) p-Isopropyltoluene	11.81	119	39834	1.954	ug/l #	94
82) 1,3-Dichlorobenzene	11.76	146	22042	2.114	ug/l	97
83) 1,4-Dichlorobenzene	11.85	146	22660	2.175	ug/l	99
84) n-Butylbenzene	12.22	91	38724	2.054	ug/l	95
85) 1,2-Dichlorobenzene	12.23	146	21290	2.134	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	13.02	75	1788	2.495	ug/l #	71
87) 1,2,4-Trichlorobenzene	13.87	180	9990	1.566	ug/l	97
88) Hexachlorobutadiene	14.05	225	6524	1.865	ug/l	99
89) Naphthalene	14.12	128	15520	1.412	ug/l	97
90) 1,2,3-Trichlorobenzene	14.37	180	9907	1.651	ug/l	98

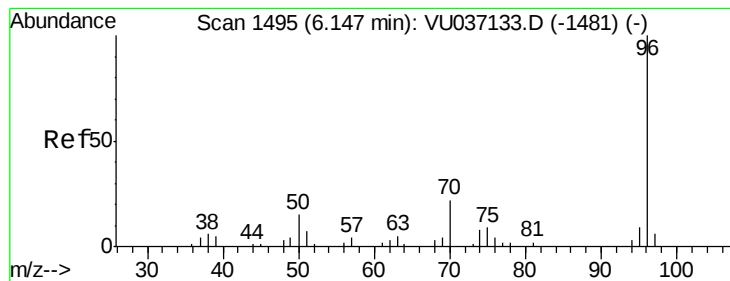
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 96 Resp: 16266

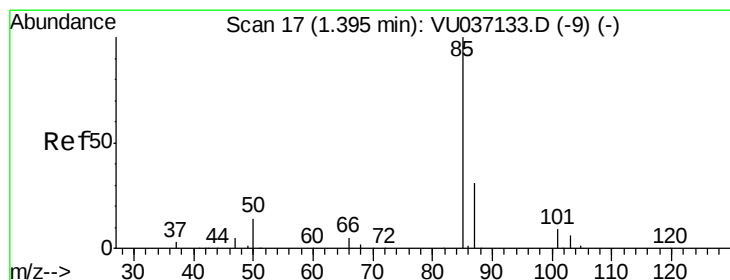
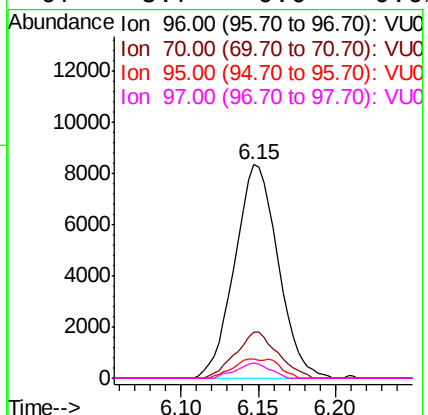
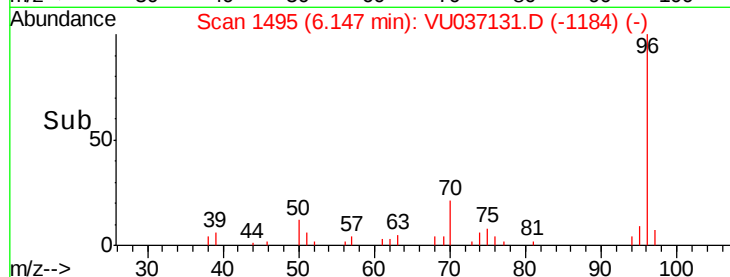
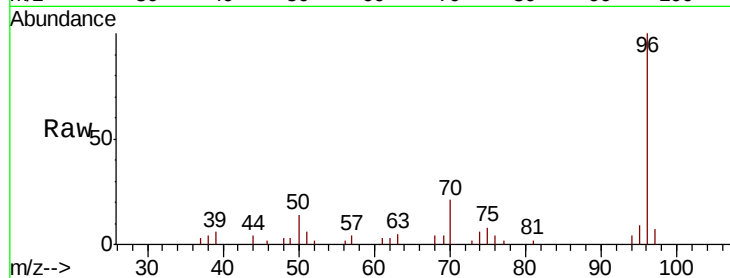
Ion Ratio Lower Upper

96 100

70 20.9 15.6 23.4

95 9.6 7.0 10.6

97 5.7 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 3.043 ug/l

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037131.D

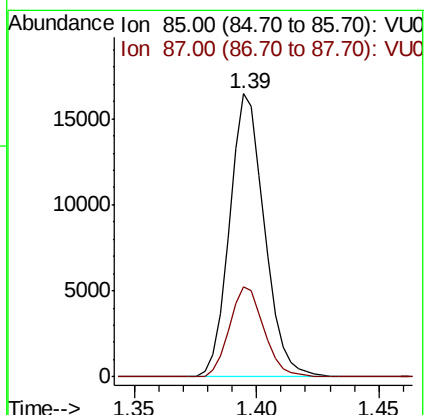
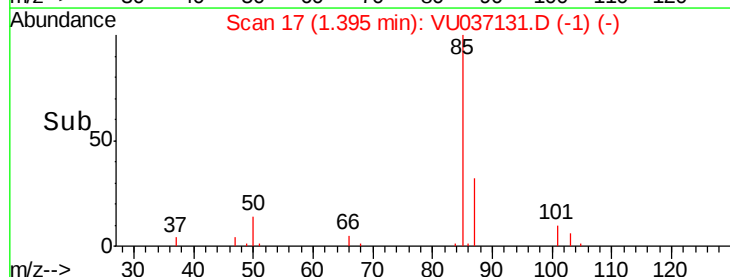
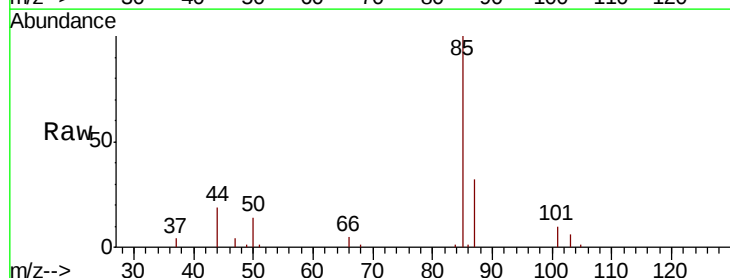
Acq: 09 Mar 2020 13:25

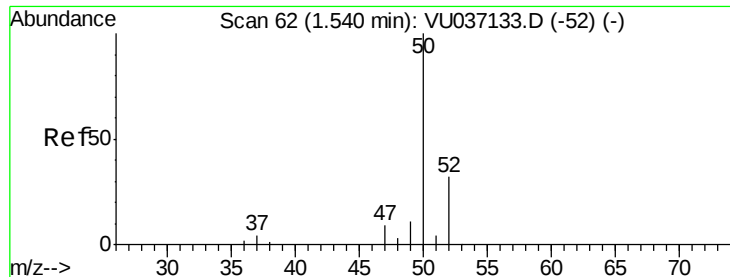
Tgt Ion: 85 Resp: 16360

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.2





#3

Chloromethane

Concen: 2.703 ug/l

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

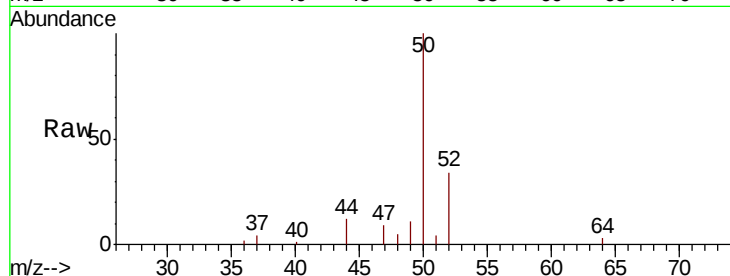
VSTDIC002

Tot Ion: 50 Resp: 15581

Ion Ratio Lower Upper

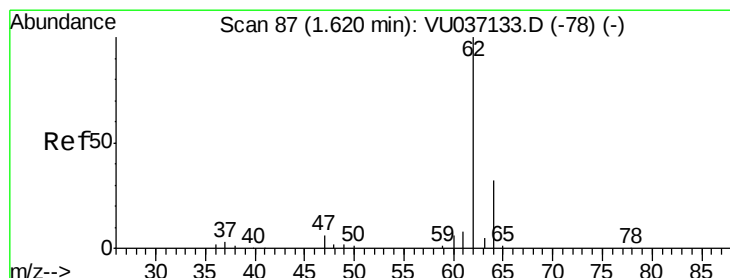
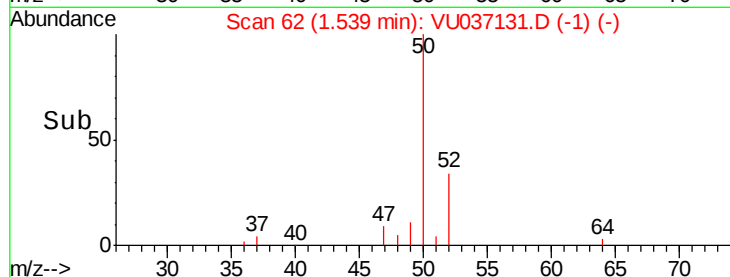
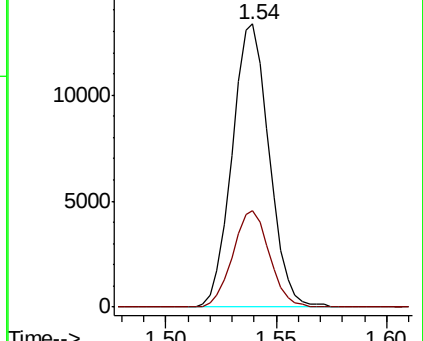
50 100

52 34.1 26.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VU037131.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037131.D (-52) (-)



#4

Vinyl Chloride

Concen: 2.127 ug/l

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037131.D

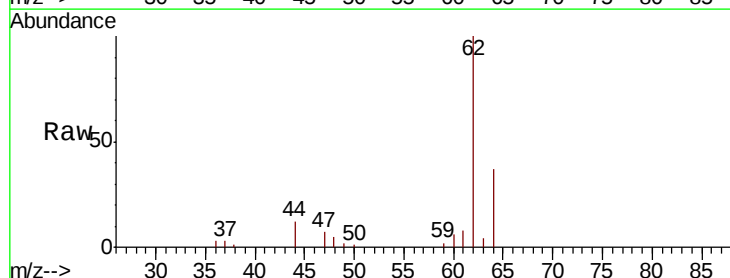
Acq: 09 Mar 2020 13:25

Tgt Ion: 62 Resp: 13887

Ion Ratio Lower Upper

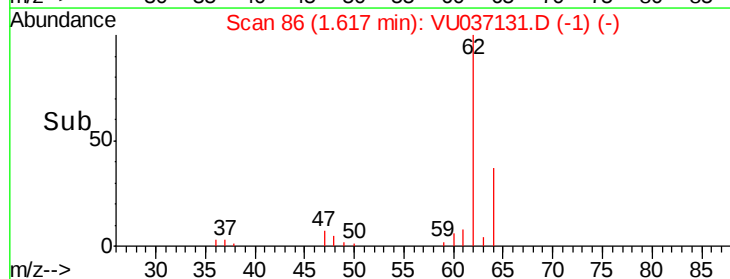
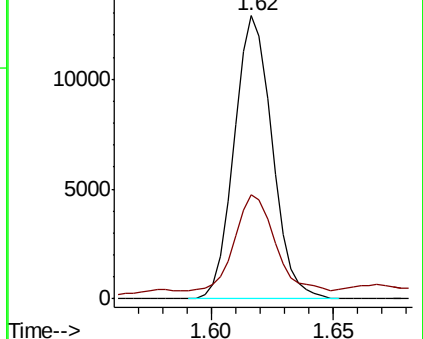
62 100

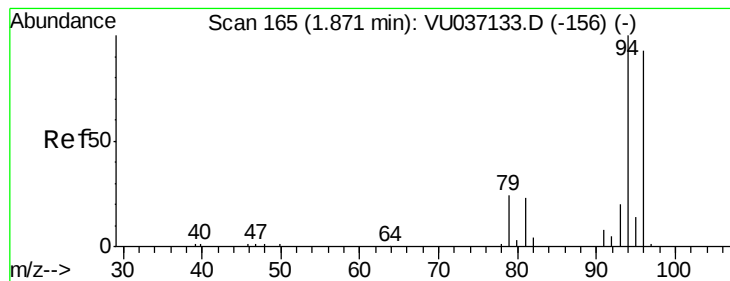
64 33.6 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VU037131.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU037131.D (-78) (-)





#5

Bromomethane

Concen: 1.153 ug/l

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

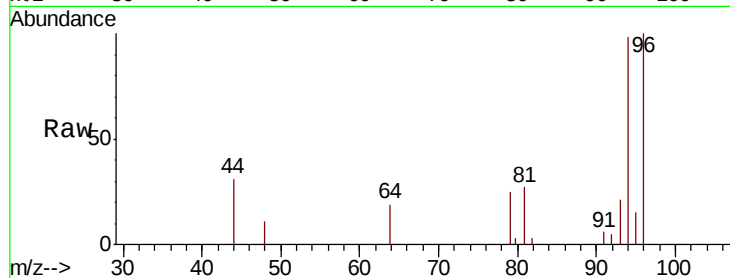
VSTDIC002

Tot Ion: 94 Resp: 4677

Ion Ratio Lower Upper

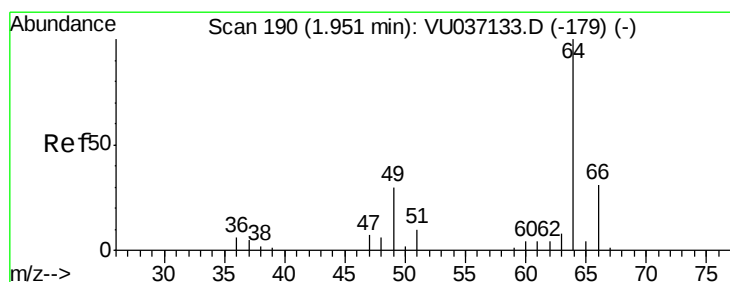
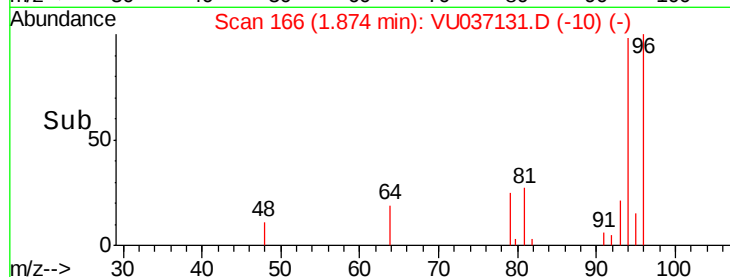
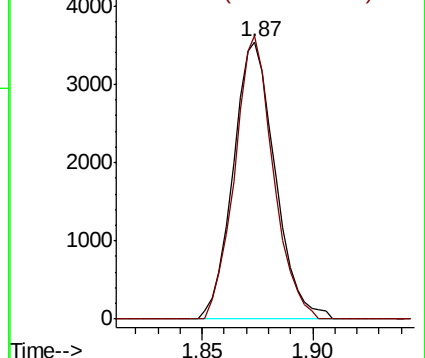
94 100

96 102.1 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VU037131.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU037131.D (-156) (-)



#6

Chloroethane

Concen: 1.773 ug/l

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU037131.D

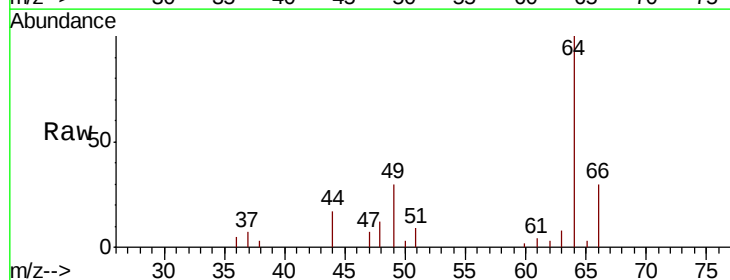
Acq: 09 Mar 2020 13:25

Tgt Ion: 64 Resp: 6856

Ion Ratio Lower Upper

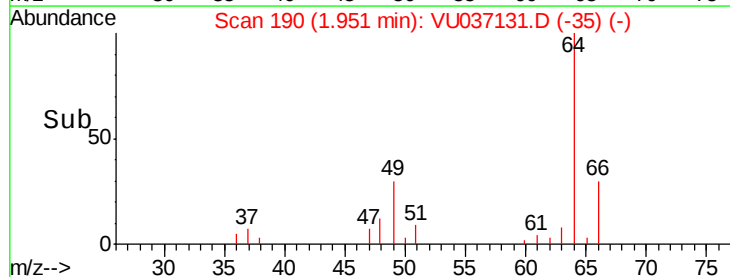
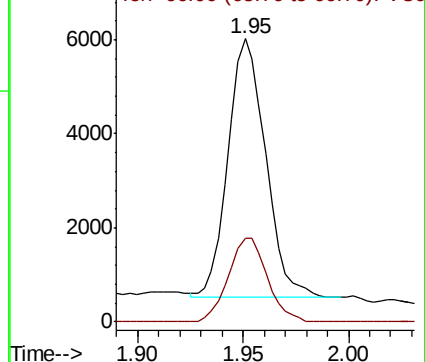
64 100

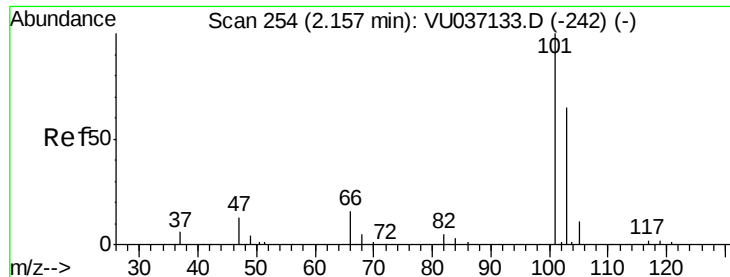
66 32.6 25.5 38.3



Abundance Ion 64.00 (63.70 to 64.70): VU037131.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU037131.D (-179) (-)



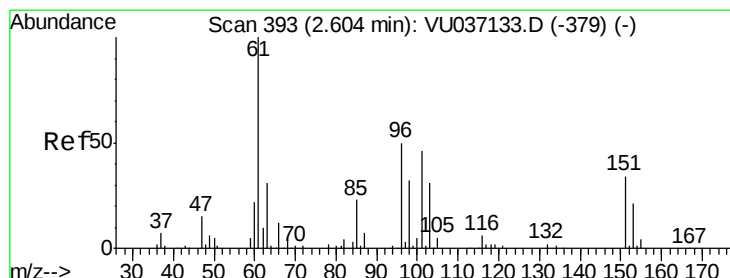
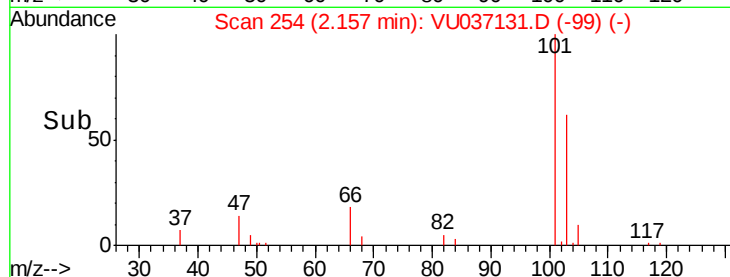
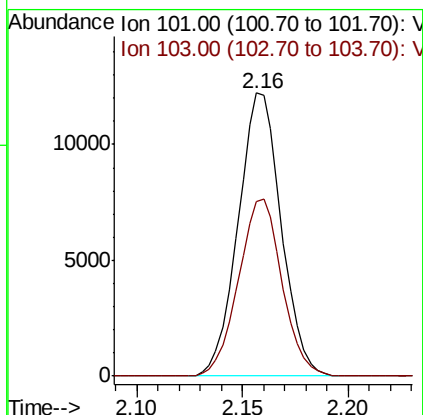
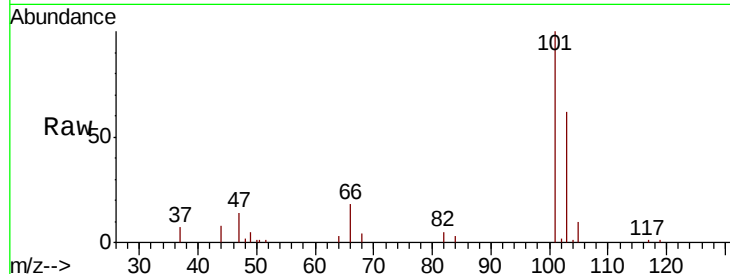


#7

Trichlorofluoromethane
Concen: 2.679 ug/l
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU037131.D
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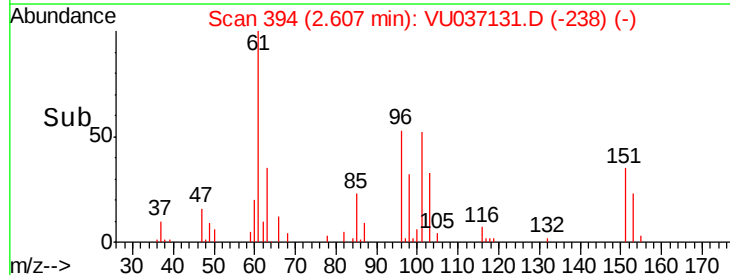
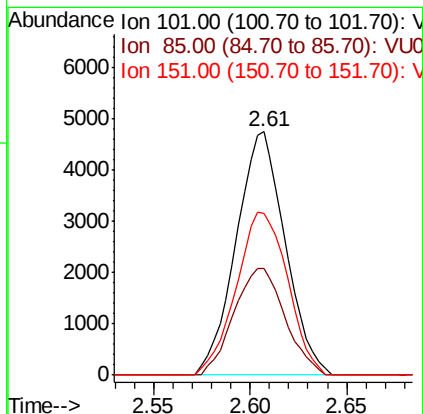
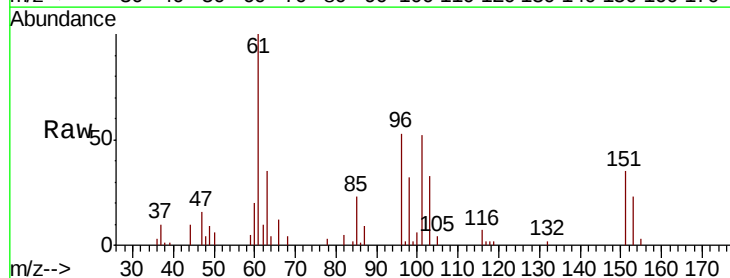
Tot Ion:101 Resp: 17281
Ion Ratio Lower Upper
101 100
103 61.7 53.0 79.6

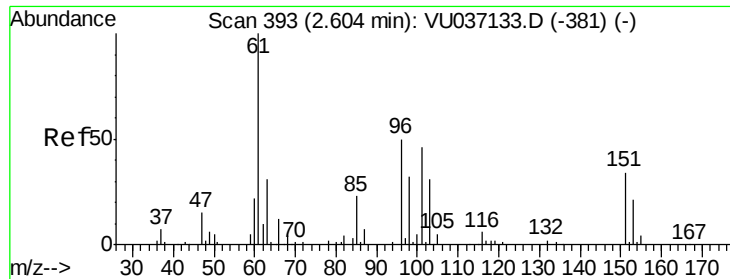


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.090 ug/l
RT: 2.61 min Scan# 394
Delta R.T. 0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion:101 Resp: 8400
Ion Ratio Lower Upper
101 100
85 45.5 33.9 50.9
151 69.9 59.8 89.8





#9

1,1-Dichloroethene

Concen: 1.809 ug/l

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

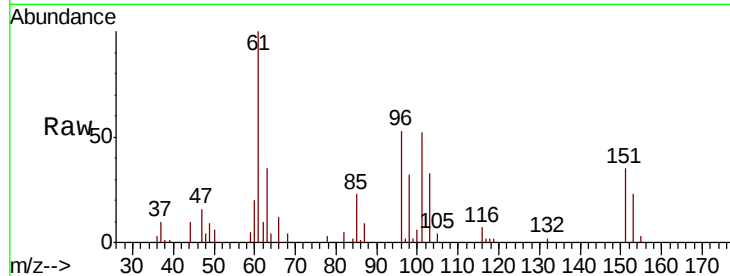
MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 96 Resp: 7737

Ion	Ratio	Lower	Upper
96	100		
61	189.0	0.0	463.2
98	60.3	0.0	130.0

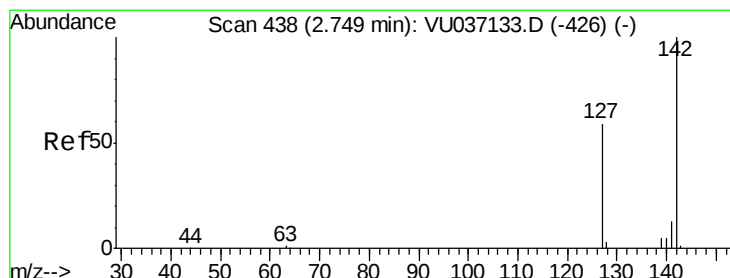
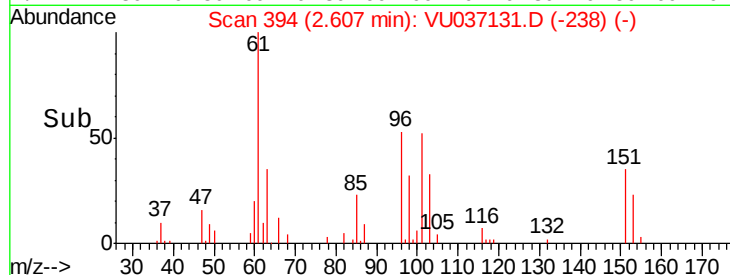
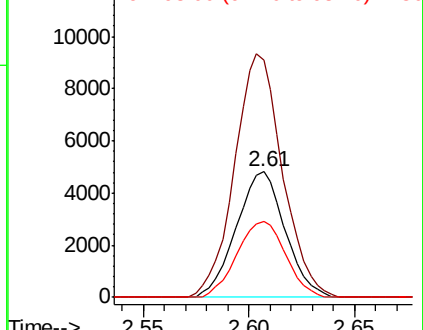


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#10

Iodomethane

Concen: 0.583 ug/l

RT: 2.75 min Scan# 439

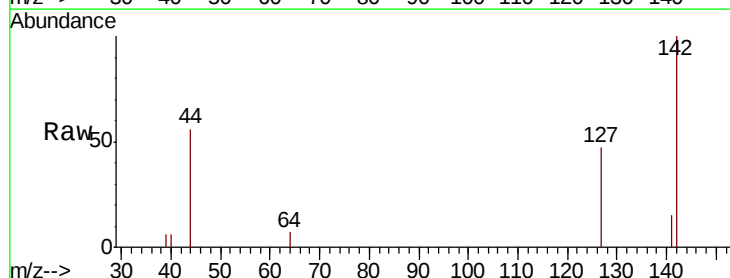
Delta R.T. 0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Tgt Ion: 142 Resp: 2673

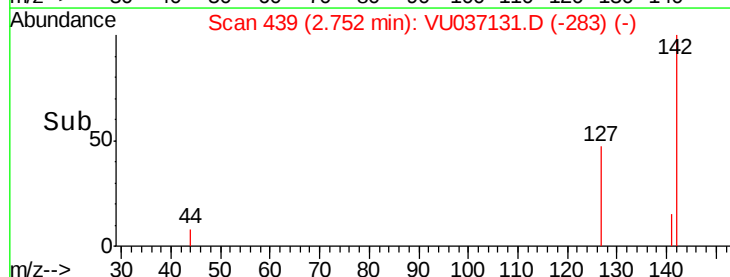
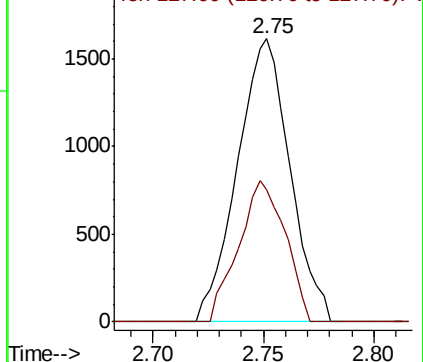
Ion	Ratio	Lower	Upper
142	100		
127	44.1	30.3	45.5

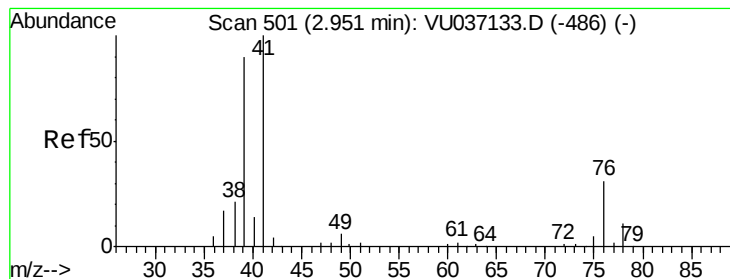


Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V





#11

Allvl Chloride

Concen: 2.524 ug/l

RT: 2.95 min Scan# 501

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

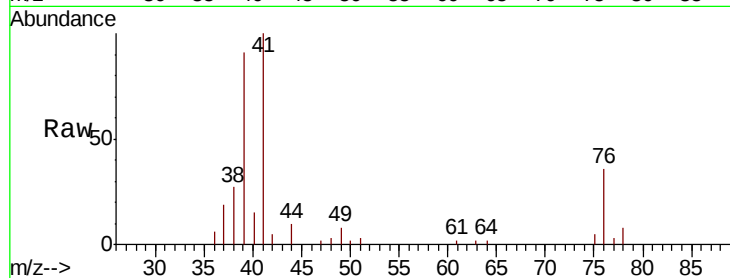
VSTDIC002

Tot Ion: 41 Resp: 14928

Ion Ratio Lower Upper

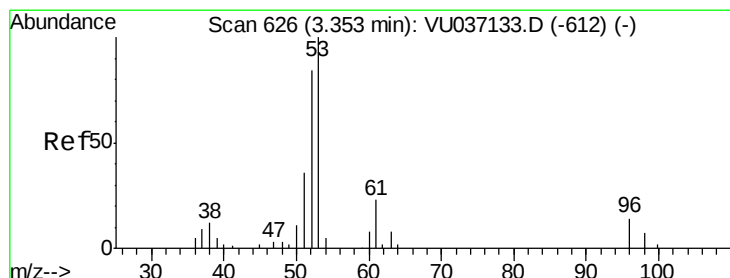
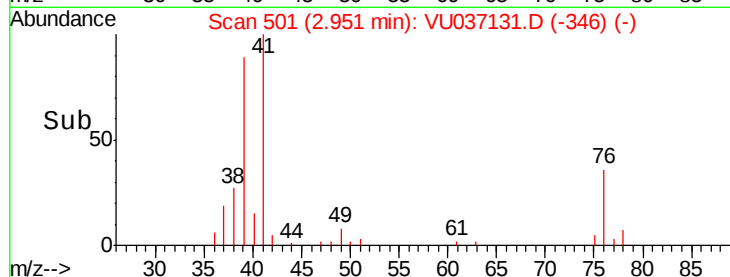
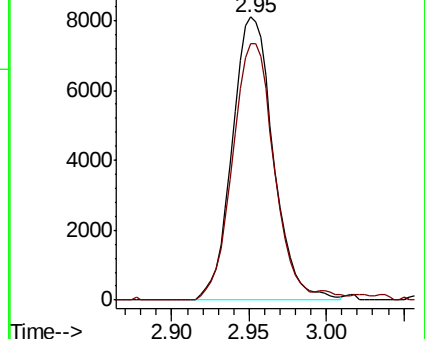
41 100

39 91.2 50.7 76.1#



Abundance Ion 41.00 (40.70 to 41.70): VU037131.D (-486) (-)

Ion 39.00 (38.70 to 39.70): VU037131.D (-486) (-)



#12

Acrylonitrile

Concen: 3.464 ug/l

RT: 3.36 min Scan# 629

Delta R.T. 0.01 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

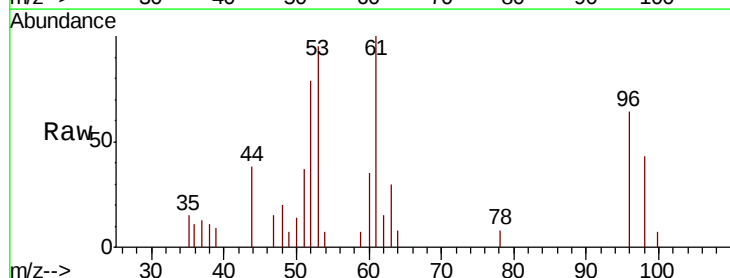
Tgt Ion: 53 Resp: 3634

Ion Ratio Lower Upper

53 100

52 92.8 64.6 97.0

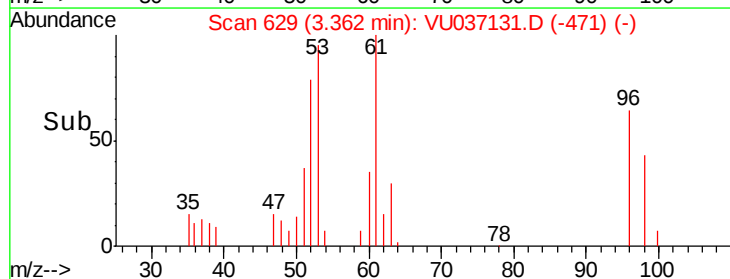
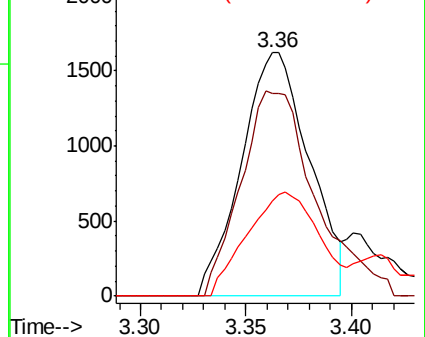
51 45.4 27.2 40.8#

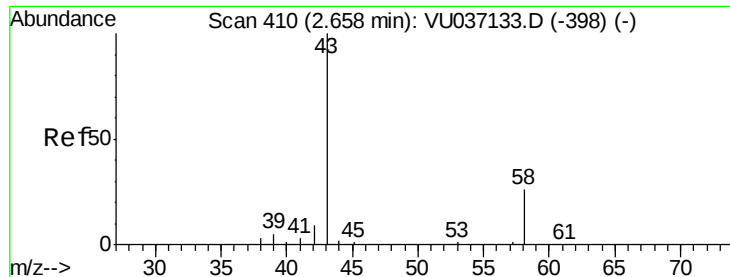


Abundance Ion 53.00 (52.70 to 53.70): VU037131.D (-471) (-)

Ion 52.00 (51.70 to 52.70): VU037131.D (-471) (-)

Ion 51.00 (50.70 to 51.70): VU037131.D (-471) (-)





#13

Acetone

Concen: 11.949 ug/l

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

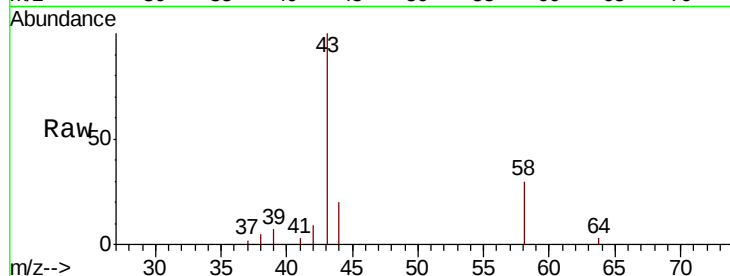
VSTDIC002

Tot Ion: 43 Resp: 10219

Ion Ratio Lower Upper

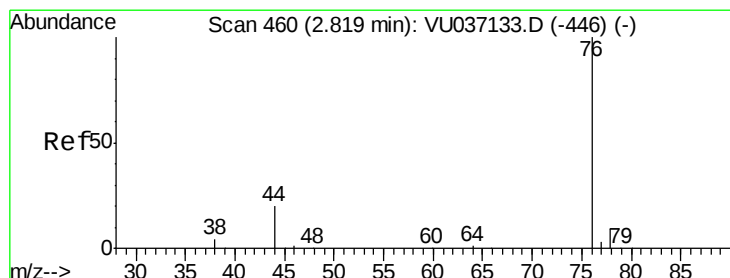
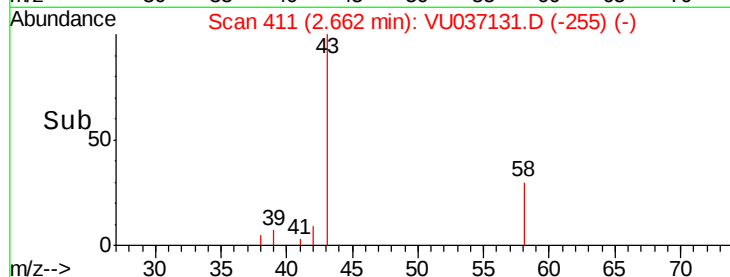
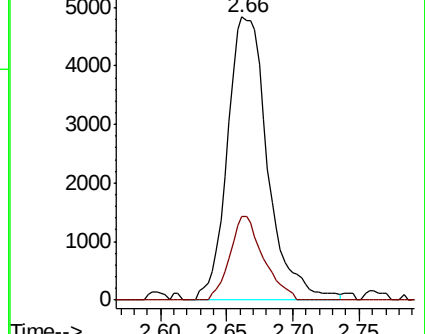
43 100

58 29.8 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VU037131.D (-255) (-)

Ion 58.00 (57.70 to 58.70): VU037131.D (-255) (-)



#14

Carbon Disulfide

Concen: 1.671 ug/l

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037131.D

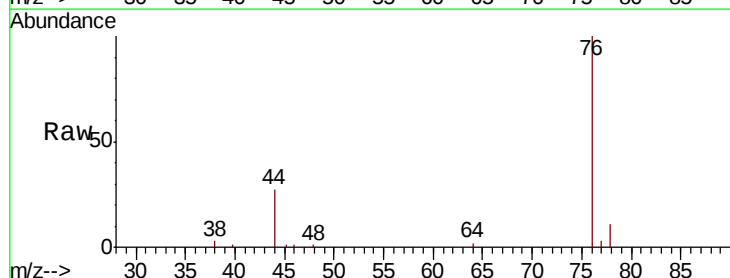
Acq: 09 Mar 2020 13:25

Tgt Ion: 76 Resp: 24754

Ion Ratio Lower Upper

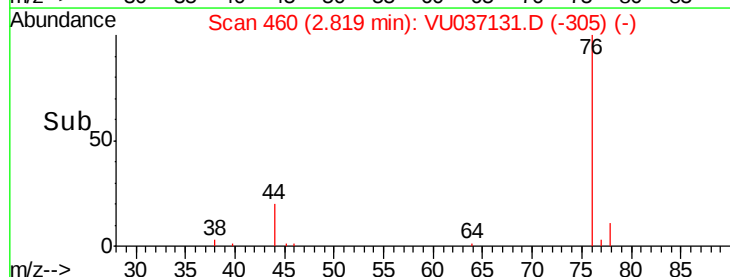
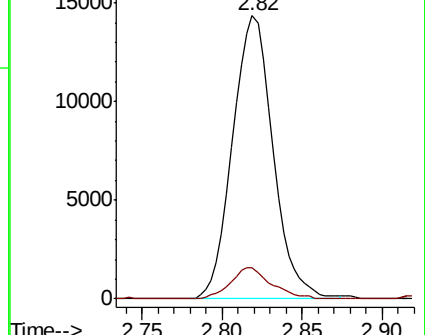
76 100

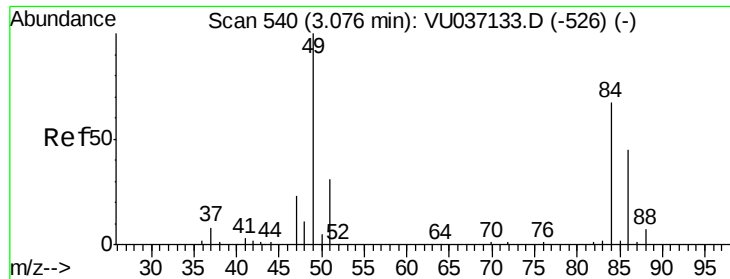
78 10.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU037131.D (-305) (-)

Ion 78.00 (77.70 to 78.70): VU037131.D (-305) (-)

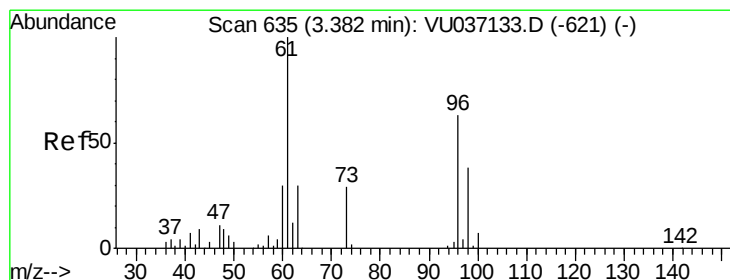
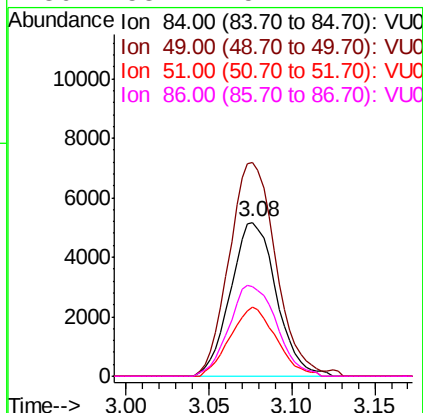
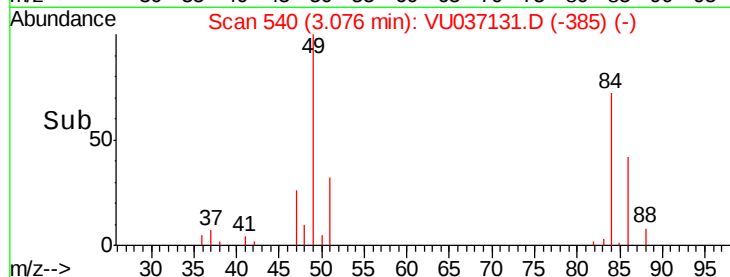
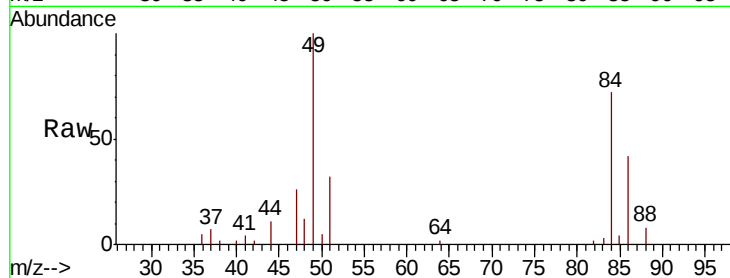




#15
Methvlene Chloride
Concen: 1.765 ug/l
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

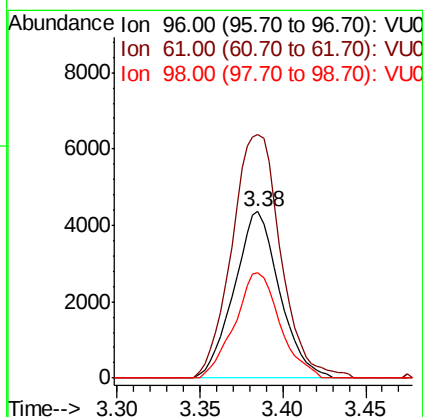
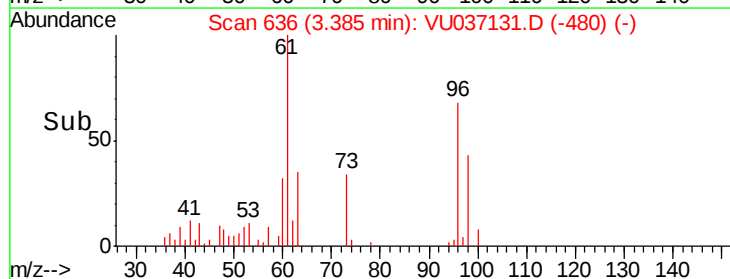
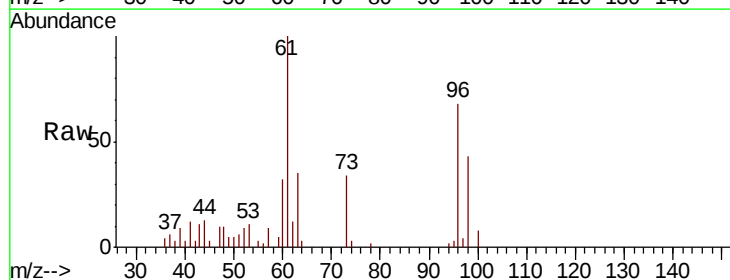
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

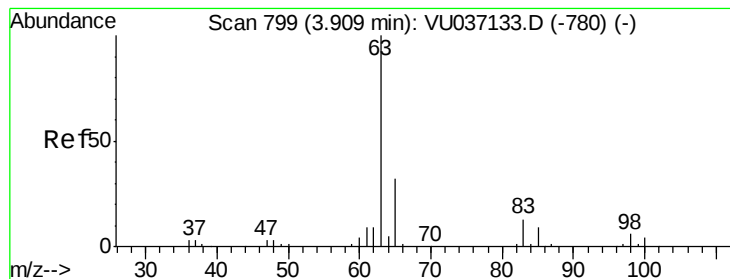
Tot Ion:	84	Resp:	9943
Ion	Ratio	Lower	Upper
84	100		
49	138.7	89.7	134.5#
51	44.6	0.0	71.6
86	58.1	51.4	77.2



#16
trans-1,2-Dichloroethene
Concen: 1.767 ug/l
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion:	96	Resp:	8337
Ion	Ratio	Lower	Upper
96	100		
61	146.2	110.8	166.2
98	63.3	50.3	75.5





#17

1,1-Dichloroethane

Concen: 2.492 ug/l

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

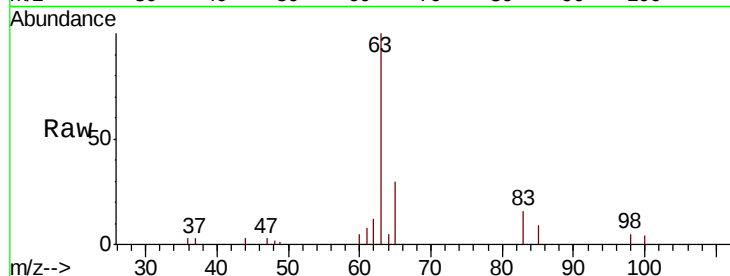
Tot Ion: 63 Resp: 19162

Ion Ratio Lower Upper

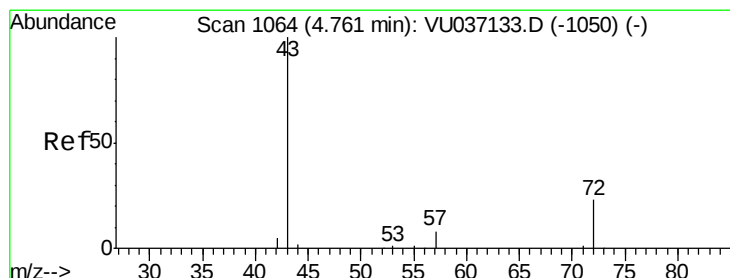
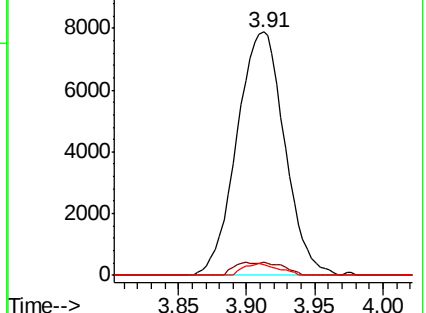
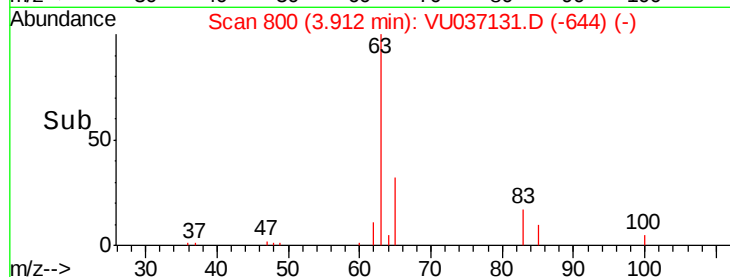
63 100

98 5.3 3.5 10.5

100 4.4 2.4 7.1



Abundance Ion 63.00 (62.70 to 63.70): VU037131.D (-644) (-)



#18

2-Butanone

Concen: 13.433 ug/l

RT: 4.77 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VU037131.D

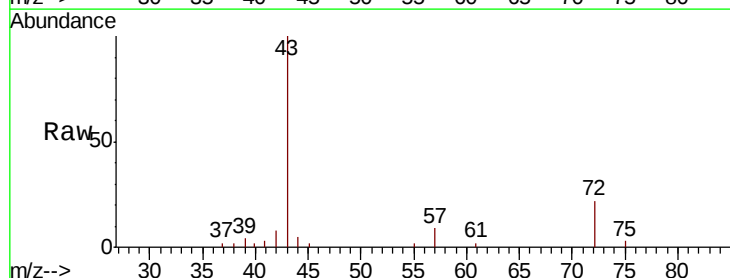
Acq: 09 Mar 2020 13:25

Tgt Ion: 43 Resp: 15130

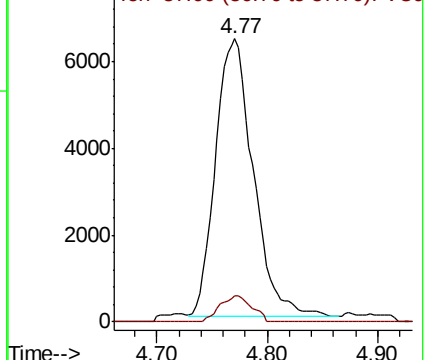
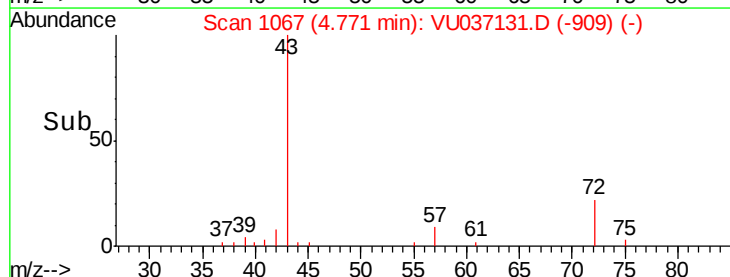
Ion Ratio Lower Upper

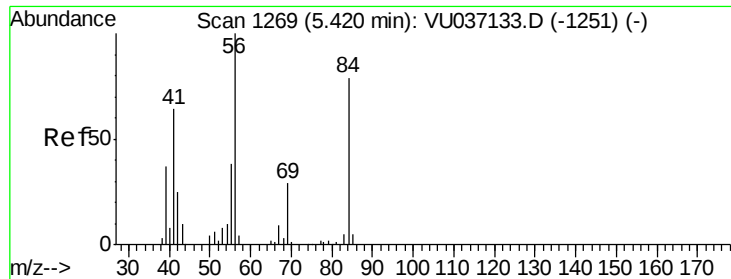
43 100

57 9.5 0.0 17.8



Abundance Ion 43.00 (42.70 to 43.70): VU037131.D (-909) (-)

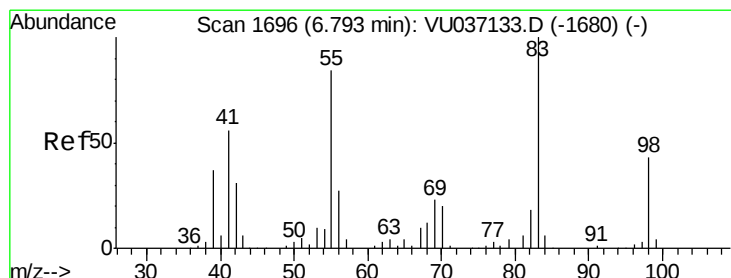
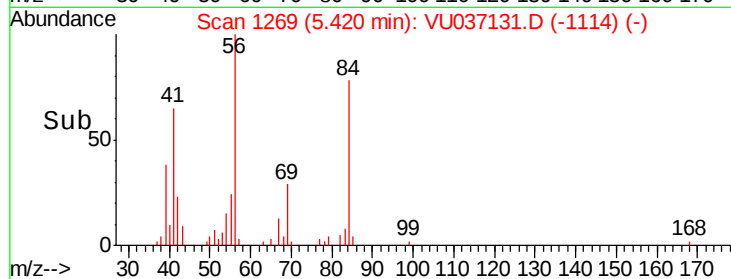
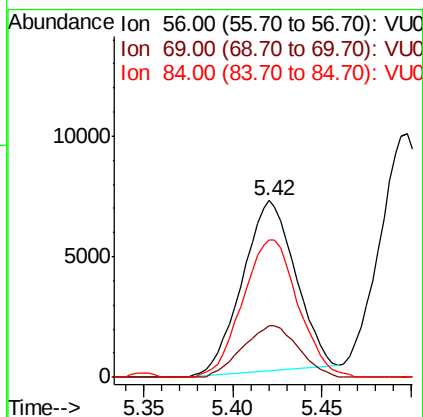
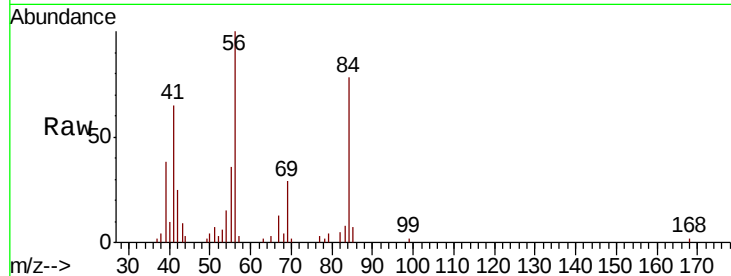




#19
Cyclohexane
Concen: 2.096 ug/l
RT: 5.42 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

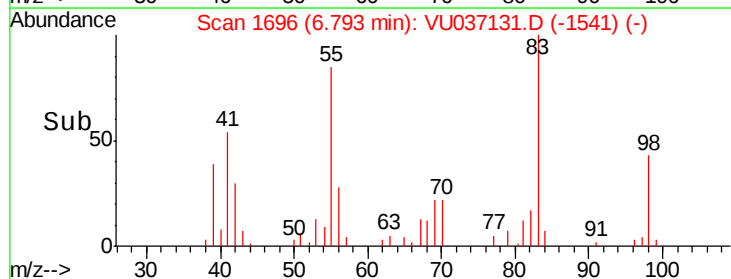
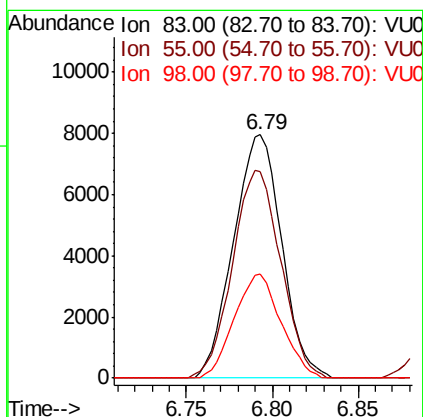
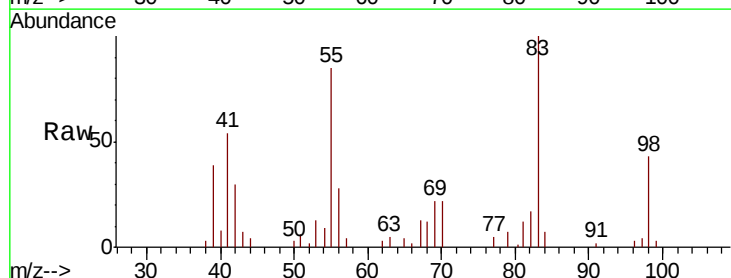
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

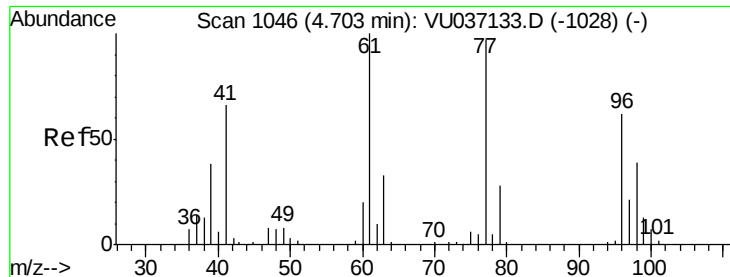
Tot Ion: 56 Resp: 14733
Ion Ratio Lower Upper
56 100
69 31.8 26.2 39.2
84 83.9 72.8 109.2



#20
Methylcyclohexane
Concen: 1.979 ug/l
RT: 6.79 min Scan# 1696
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion: 83 Resp: 15531
Ion Ratio Lower Upper
83 100
55 85.4 56.6 85.0#
98 41.2 37.5 56.3

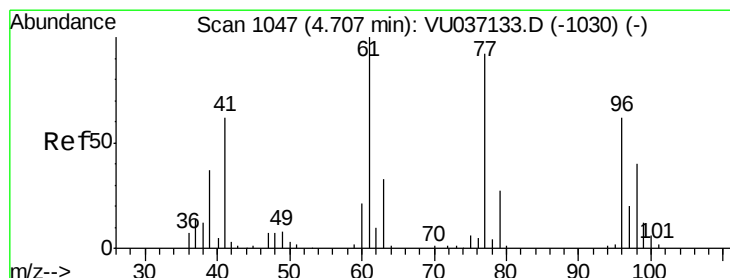
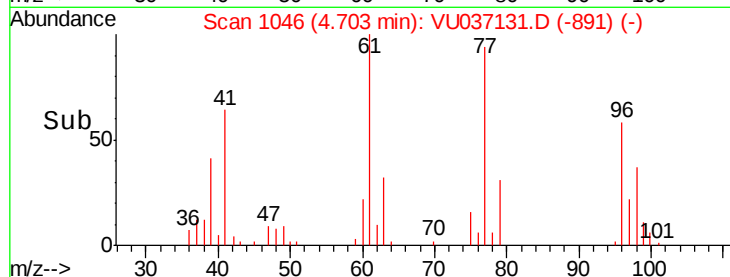
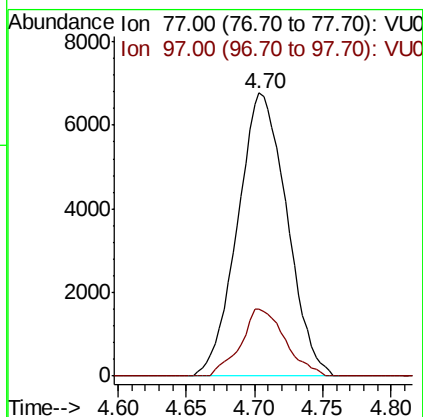
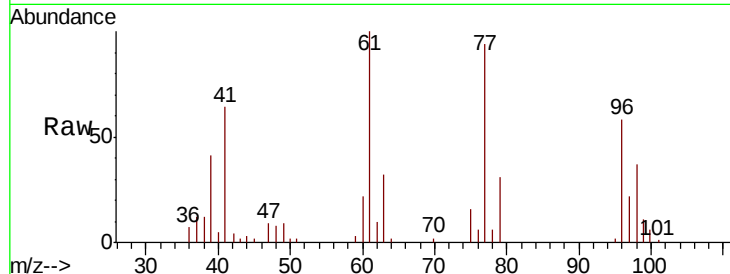




#21
 2,2-Dichloropropane
 Concen: 2.586 ug/l
 RT: 4.70 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

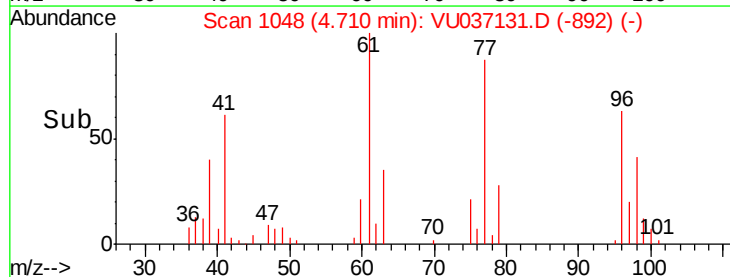
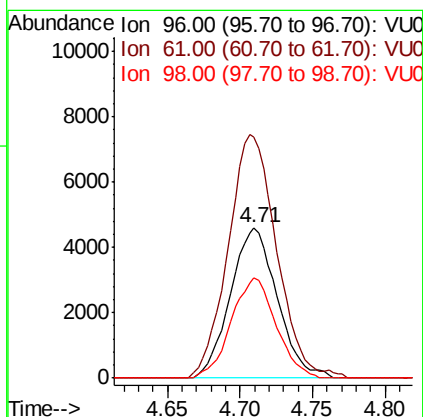
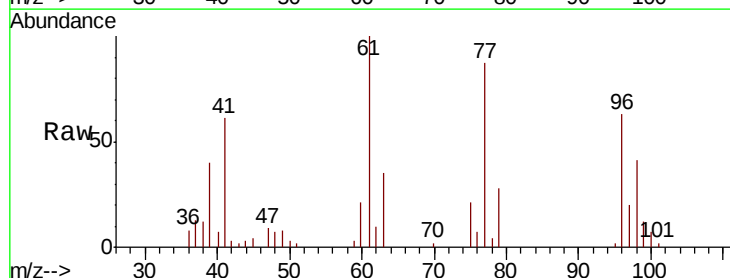
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

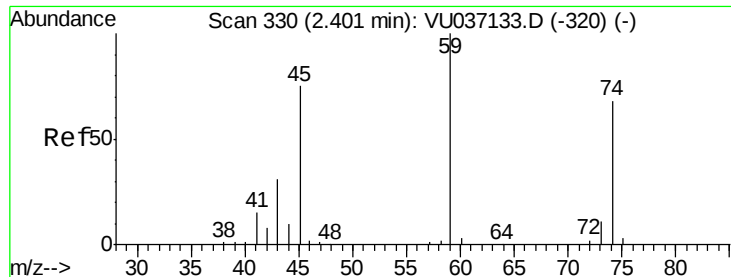
Tot Ion: 77 Resp: 16974
 Ion Ratio Lower Upper
 77 100
 97 21.3 19.0 28.4



#22
 cis-1,2-Dichloroethene
 Concen: 2.107 ug/l
 RT: 4.71 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Tgt Ion: 96 Resp: 10314
 Ion Ratio Lower Upper
 96 100
 61 167.4 0.0 342.0
 98 64.0 32.0 96.0

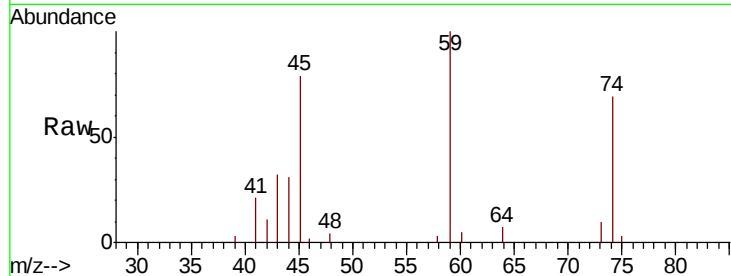




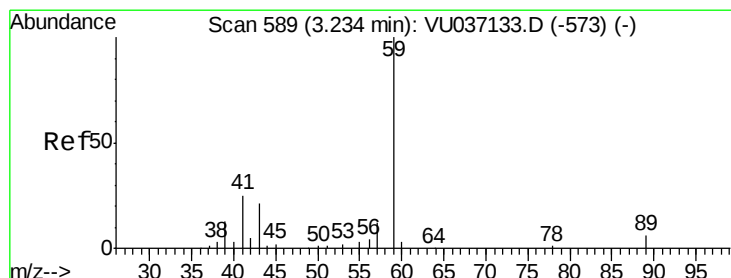
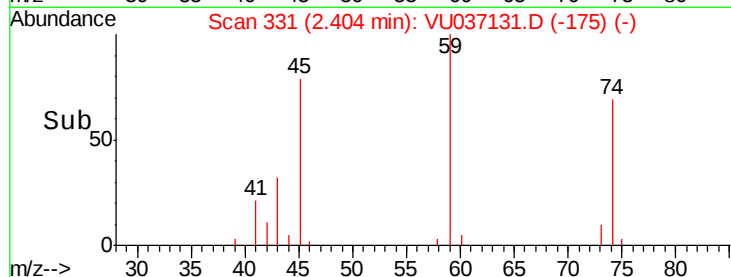
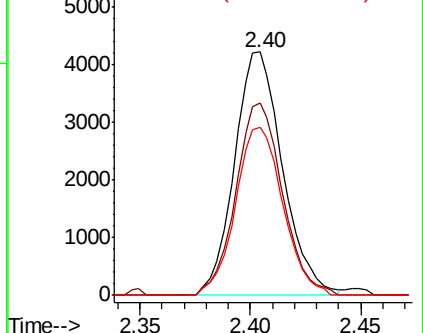
#23
Diethyl Ether
Concen: 1.937 ug/l
RT: 2.40 min Scan# 331
Delta R.T. 0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion: 59 Resp: 6401
Ion Ratio Lower Upper
59 100
45 76.6 52.4 78.6
74 68.1 62.1 93.1

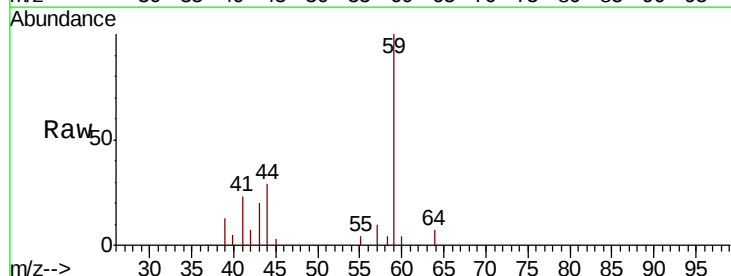


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

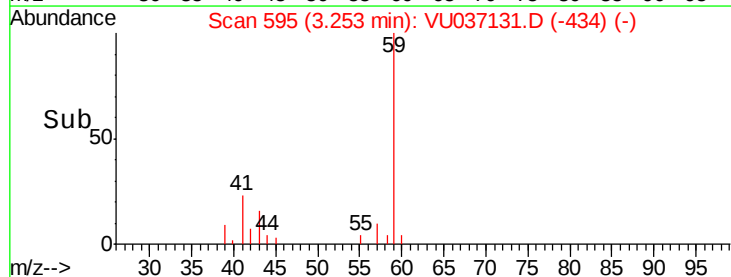
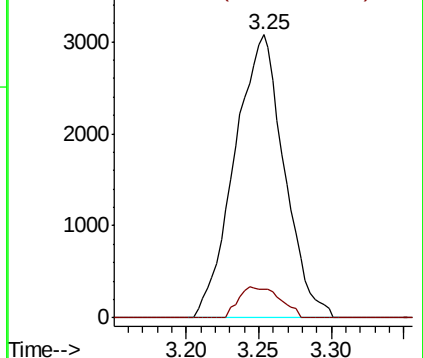


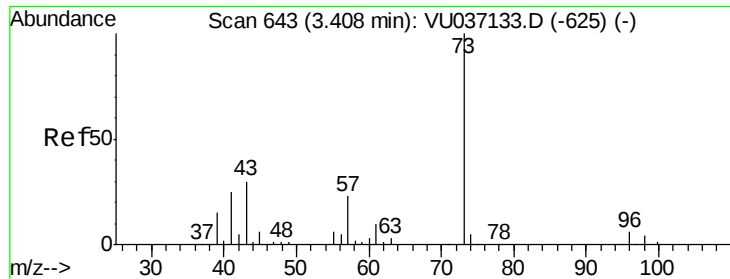
#24
tert-Butyl Alcohol
Concen: 24.775 ug/l
RT: 3.25 min Scan# 595
Delta R.T. 0.02 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion: 59 Resp: 7316
Ion Ratio Lower Upper
59 100
57 9.1 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#25

Methyl tert-Butyl Ether

Concen: 2.009 ug/l

RT: 3.41 min Scan# 644

Delta R.T. 0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

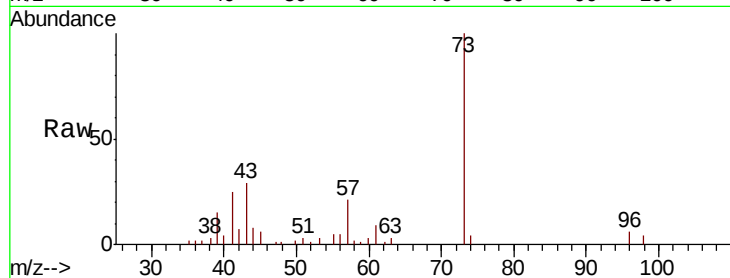
VSTDIC002

Tot Ion: 73 Resp: 22520

Ion Ratio Lower Upper

73 100

43 30.3 14.5 21.7#



Abundance Ion 73.00 (72.70 to 73.70): VU037131.D (-625) (-)

Ion 43.00 (42.70 to 43.70): VU037131.D (-625) (-)

3.41

10000

8000

6000

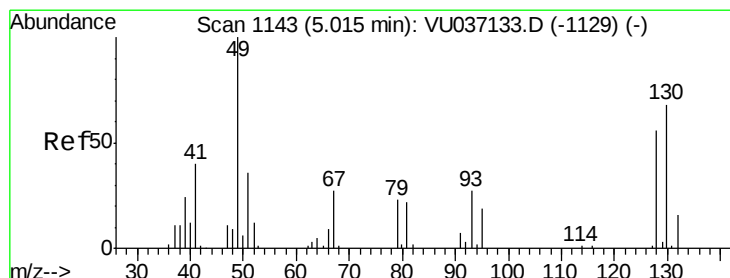
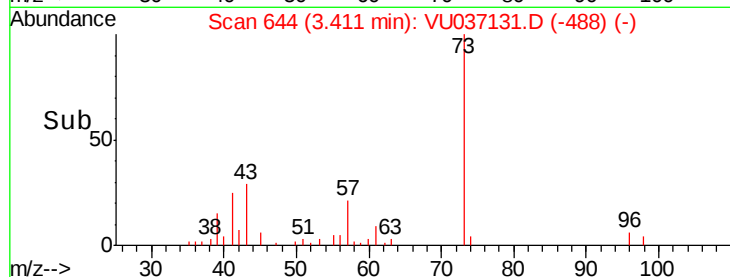
4000

2000

0

3.35 3.40 3.45 3.50

Time-->



#26

Bromochloromethane

Concen: 2.087 ug/l

RT: 5.02 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

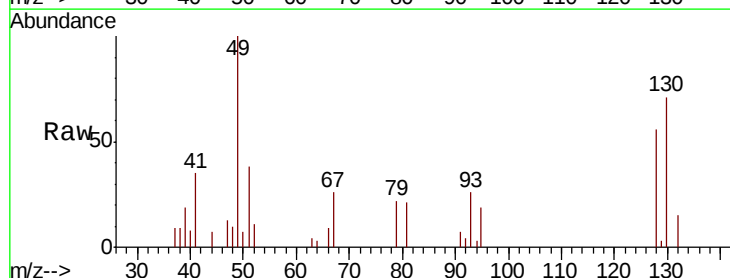
Tgt Ion: 128 Resp: 4425

Ion Ratio Lower Upper

128 100

49 198.1 0.0 286.2

130 131.8 104.3 156.5



Abundance Ion 128.00 (127.70 to 128.70): VU037131.D (-988) (-)

Ion 49.00 (48.70 to 49.70): VU037131.D (-988) (-)

Ion 130.00 (129.70 to 130.70): VU037131.D (-988) (-)

5.02

5000

4000

3000

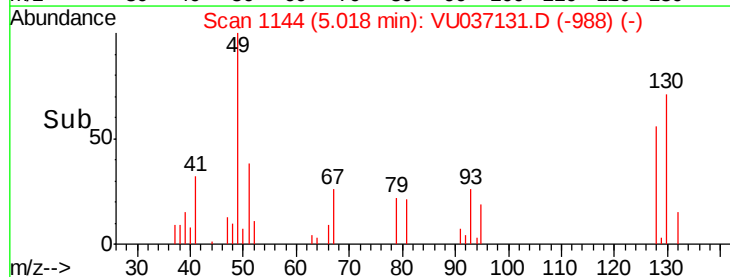
2000

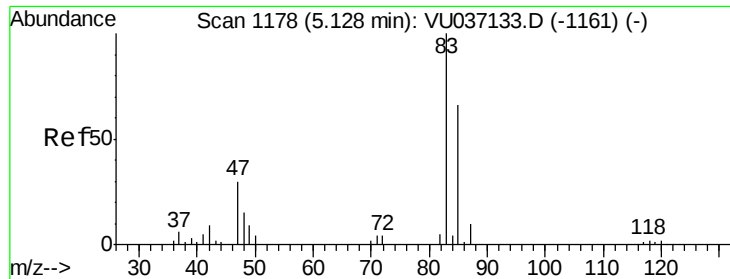
1000

0

4.95 5.00 5.05

Time-->

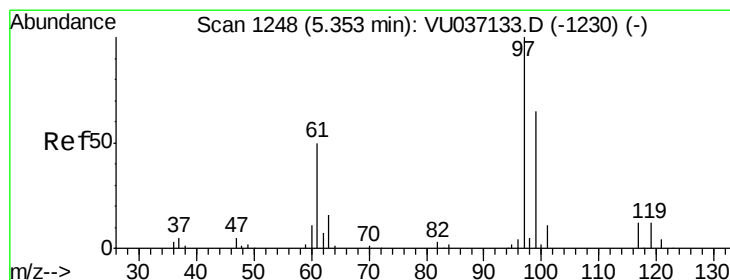
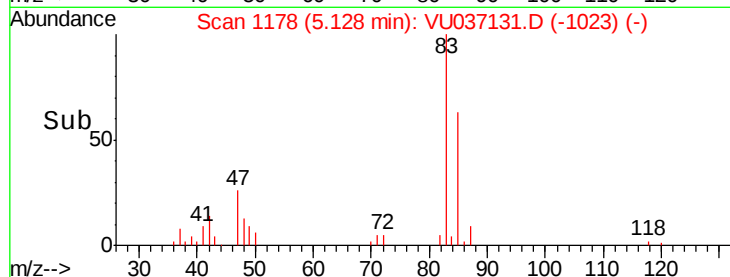
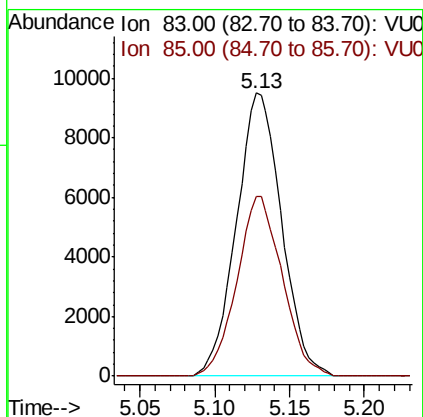
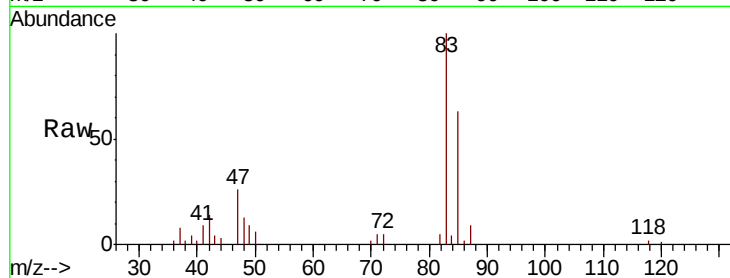




#27
Chloroform
Concen: 2.624 ug/l
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

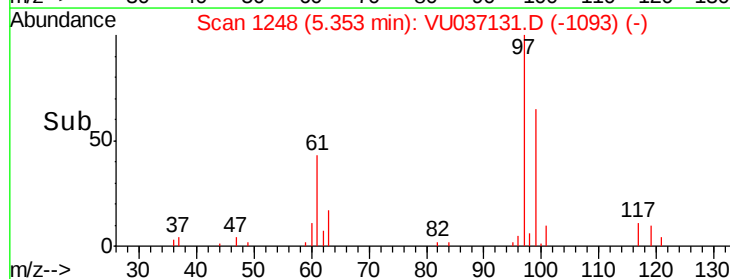
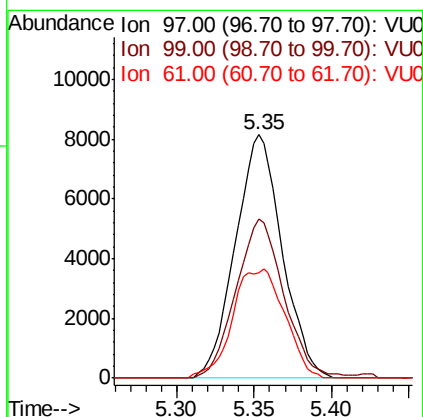
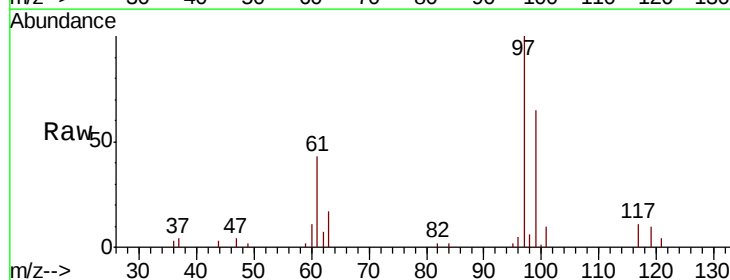
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

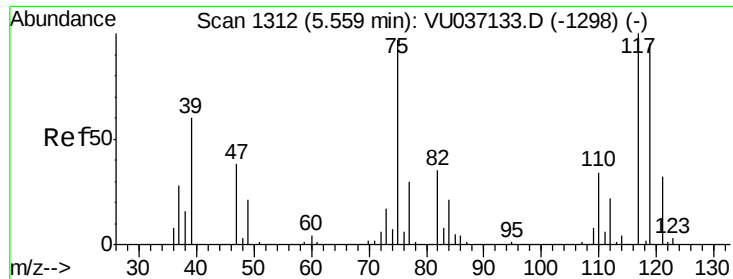
Tot Ion: 83 Resp: 19957
Ion Ratio Lower Upper
83 100
85 63.4 0.0 129.0



#28
1,1,1-Trichloroethane
Concen: 2.687 ug/l
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion: 97 Resp: 17134
Ion Ratio Lower Upper
97 100
99 67.1 32.1 96.3
61 49.8 22.7 68.0

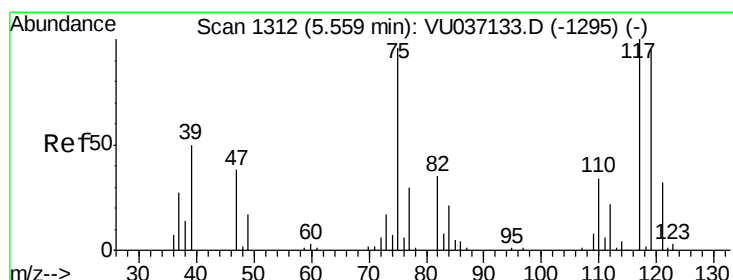
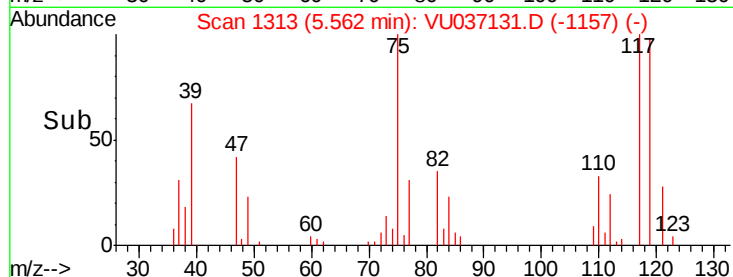
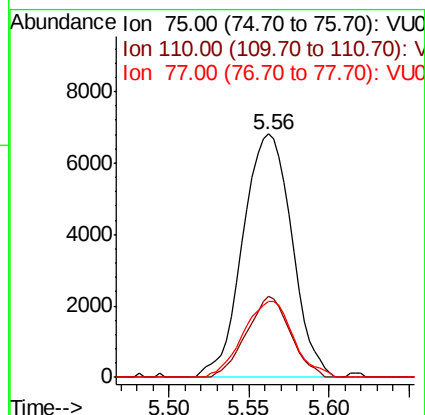
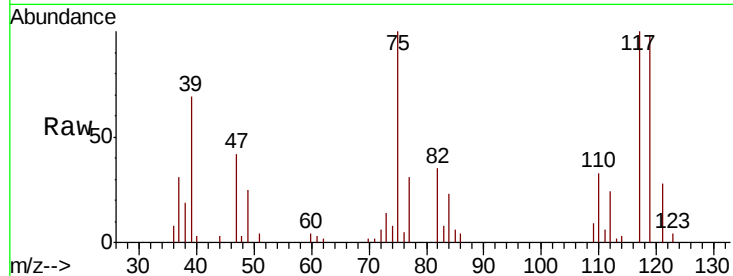




#29
 1,1-Dichloropropene
 Concen: 2.296 ug/l
 RT: 5.56 min Scan# 1313
 Delta R.T. 0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

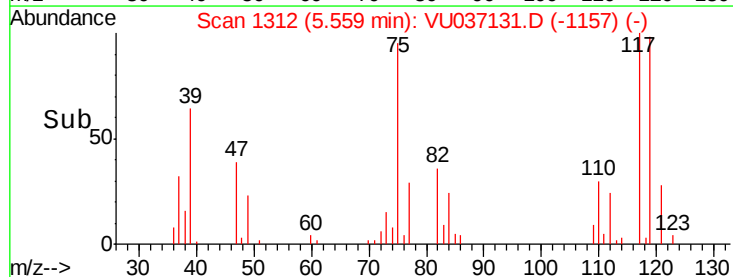
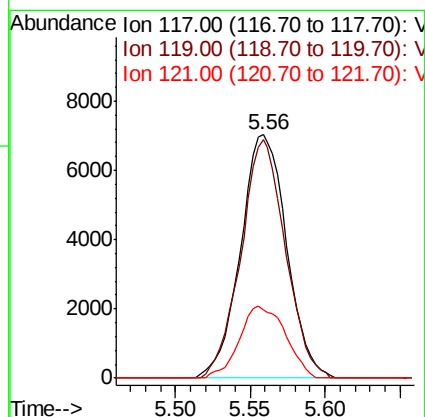
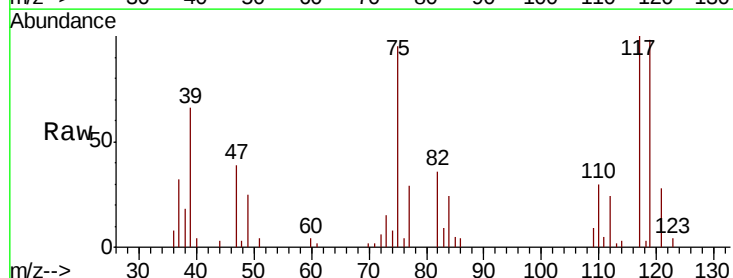
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

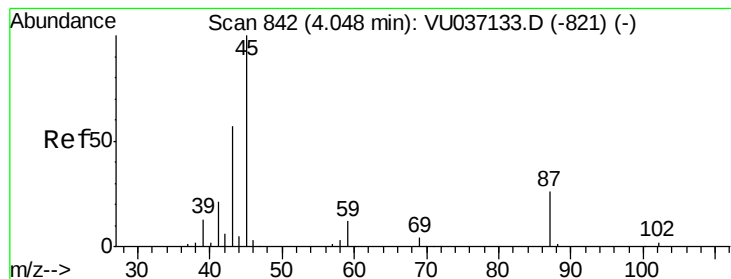
Tot Ion: 75 Resp: 14288
 Ion Ratio Lower Upper
 75 100
 110 29.7 18.6 55.8
 77 32.0 25.0 37.4



#30
 Carbon Tetrachloride
 Concen: 2.756 ug/l
 RT: 5.56 min Scan# 1312
 Delta R.T. -0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Tgt Ion: 117 Resp: 15048
 Ion Ratio Lower Upper
 117 100
 119 98.0 77.0 115.6
 121 28.0 23.3 34.9





#31

Isopropyl Ether

Concen: 2.559 ug/l

RT: 4.05 min Scan# 842

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

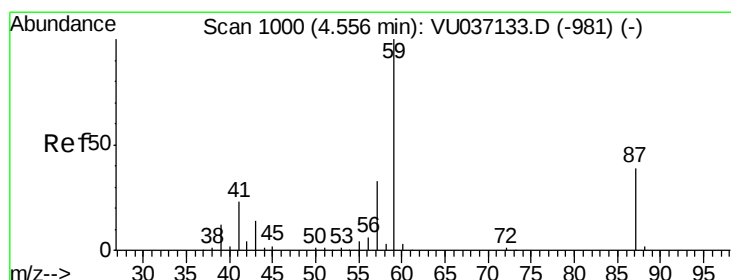
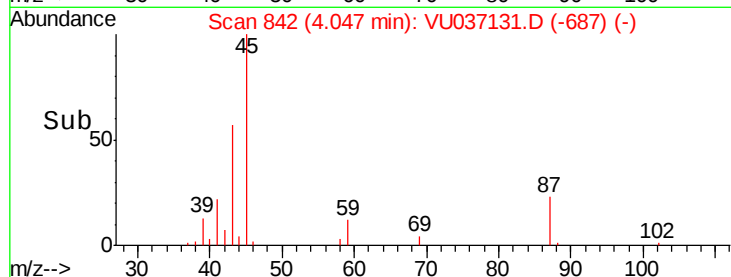
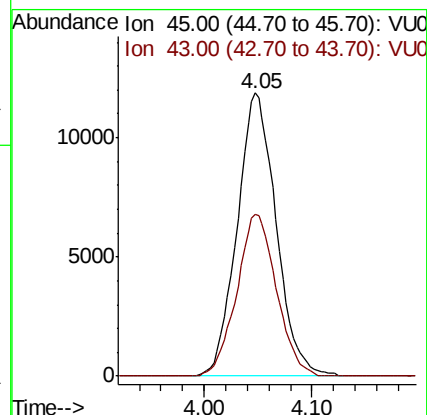
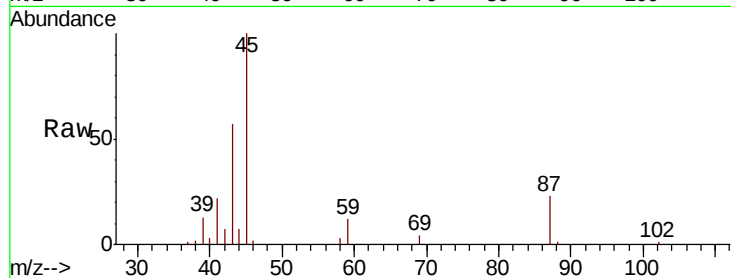
VSTDIC002

Tot Ion: 45 Resp: 29869

Ion Ratio Lower Upper

45 100

43 58.0 24.0 72.0



#32

Ethyl-t-butyl ether

Concen: 2.268 ug/l

RT: 4.56 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VU037131.D

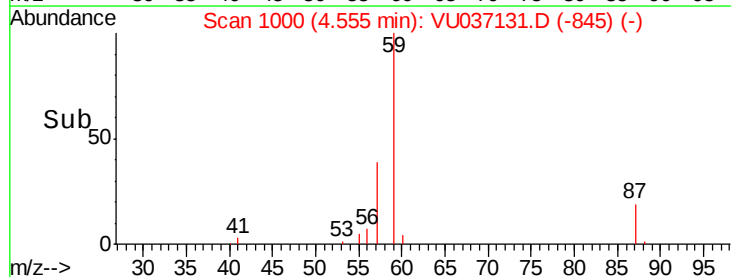
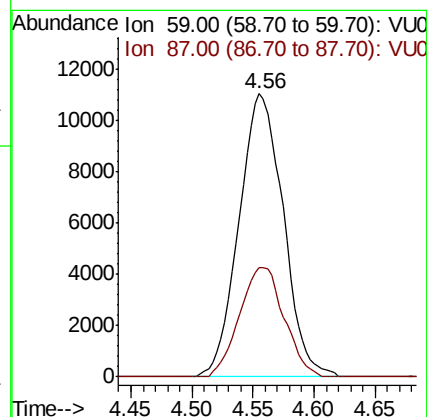
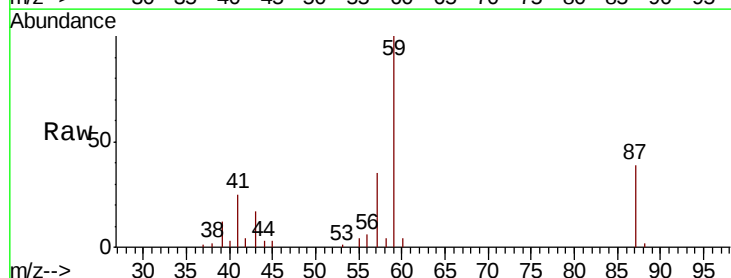
Acq: 09 Mar 2020 13:25

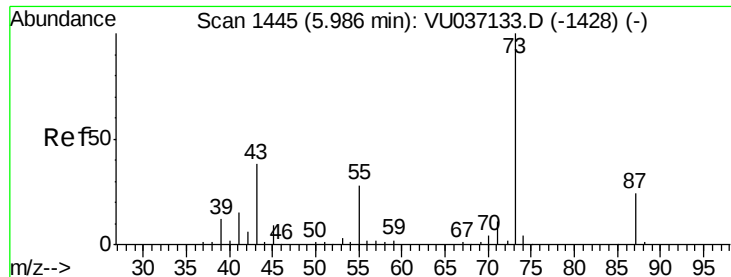
Tgt Ion: 59 Resp: 27693

Ion Ratio Lower Upper

59 100

87 38.9 35.1 52.7



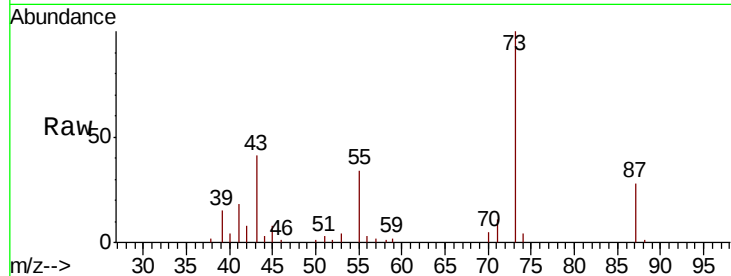


#33

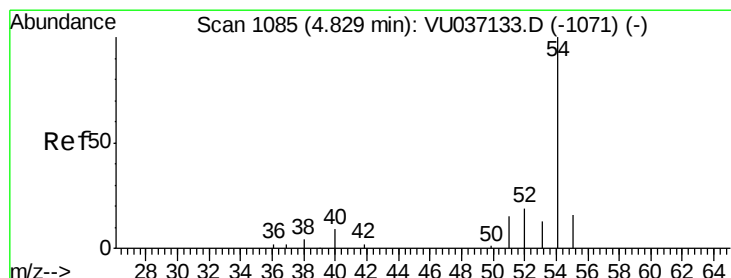
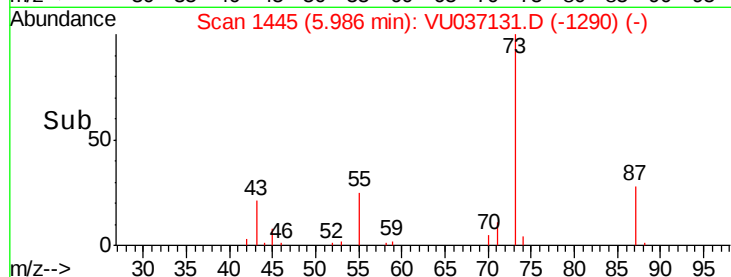
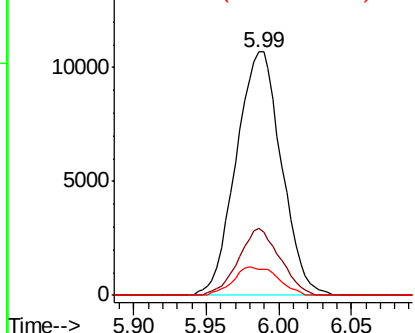
Tert-Butyl methyl ether
 Concen: 2.074 ug/l
 RT: 5.99 min Scan# 1445
 Delta R.T. -0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion: 73 Resp: 23189
 Ion Ratio Lower Upper
 73 100
 87 25.0 19.8 29.6
 71 11.6 9.1 13.7



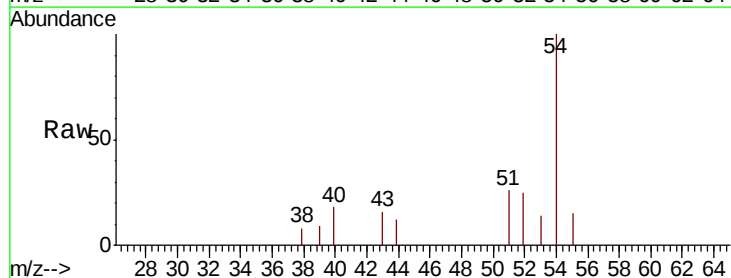
Abundance Ion 73.00 (72.70 to 73.70): VU0
 Ion 87.00 (86.70 to 87.70): VU0
 Ion 71.00 (70.70 to 71.70): VU0



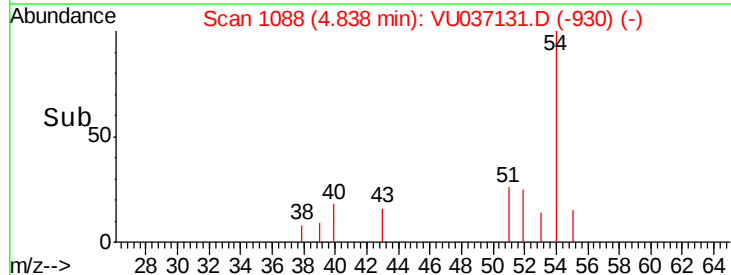
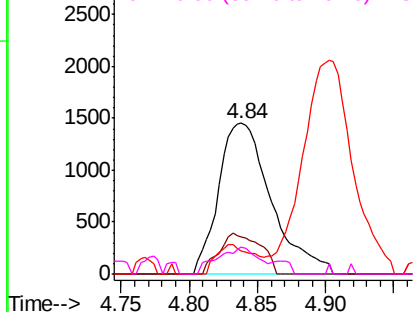
#34

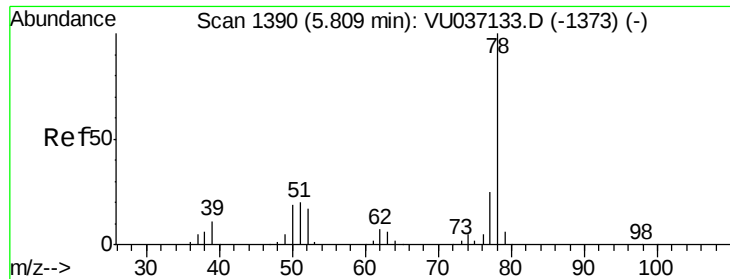
Propionitrile
 Concen: 12.000 ug/l
 RT: 4.84 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Tgt Ion: 54 Resp: 3896
 Ion Ratio Lower Upper
 54 100
 52 21.3 15.2 22.8
 55 13.6 9.5 14.3
 40 13.6 4.6 6.8#



Abundance Ion 54.00 (53.70 to 54.70): VU0
 Ion 52.00 (51.70 to 52.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 40.00 (39.70 to 40.70): VU0





#35

Benzene

Concen: 2.239 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

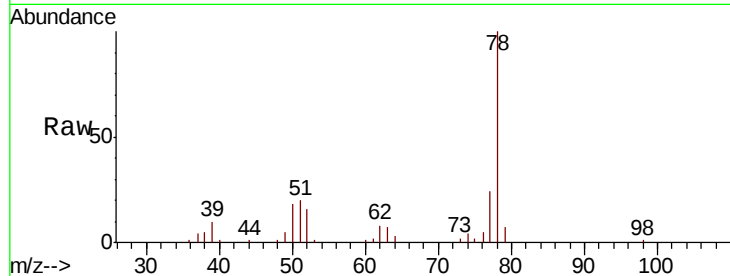
VSTDIC002

Tot Ion: 78 Resp: 40346

Ion Ratio Lower Upper

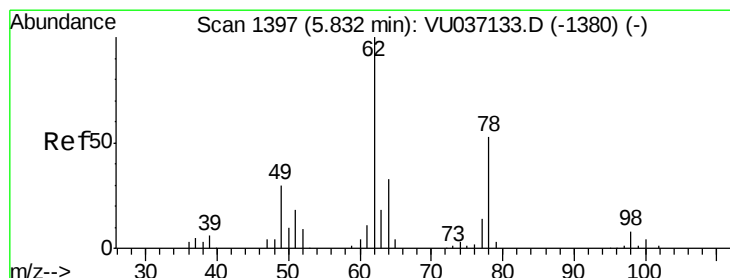
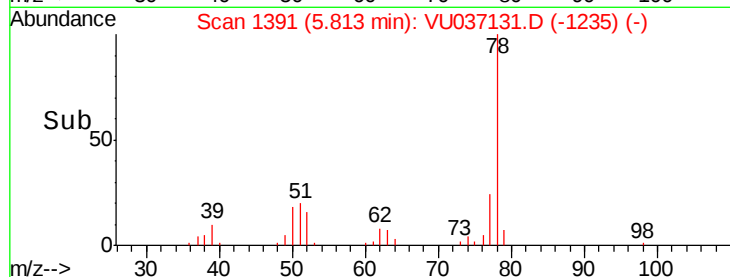
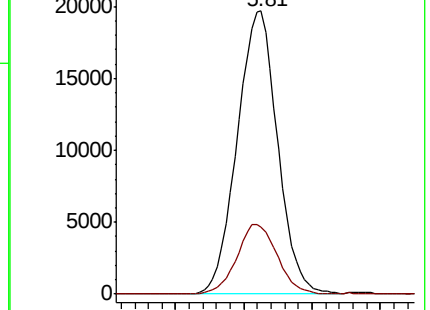
78 100

77 23.7 19.4 29.0



Abundance Ion 78.10 (77.80 to 78.80): VU037131.D (-1373) (-)

Ion 77.00 (76.70 to 77.70): VU037131.D (-1373) (-)



#36

1,2-Dichloroethane

Concen: 2.901 ug/l

RT: 5.84 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VU037131.D

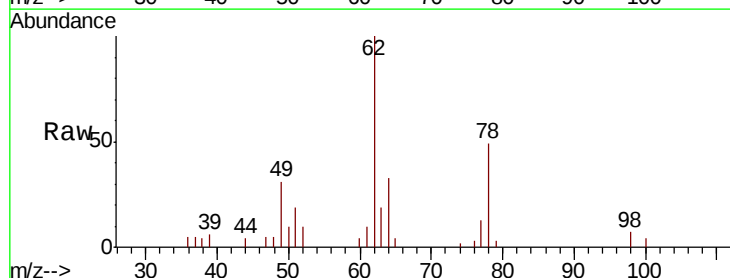
Acq: 09 Mar 2020 13:25

Tgt Ion: 62 Resp: 14076

Ion Ratio Lower Upper

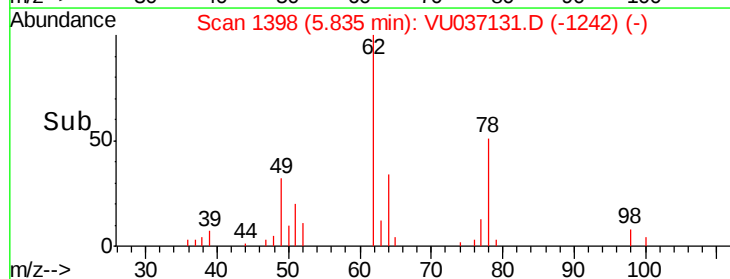
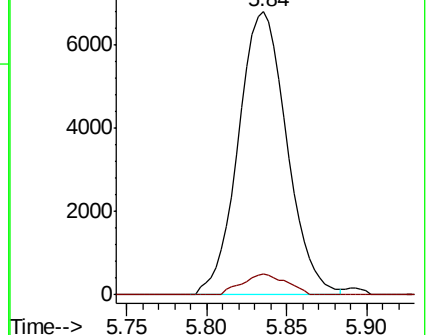
62 100

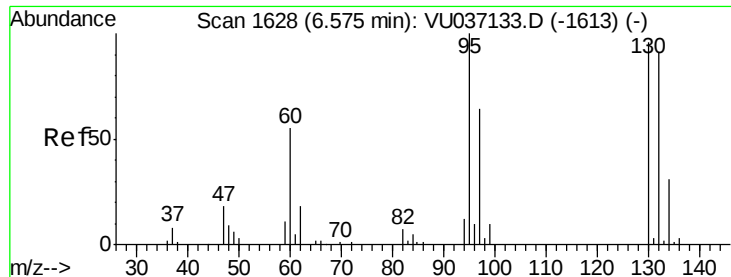
98 6.7 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VU037131.D (-1380) (-)

Ion 98.00 (97.70 to 98.70): VU037131.D (-1380) (-)

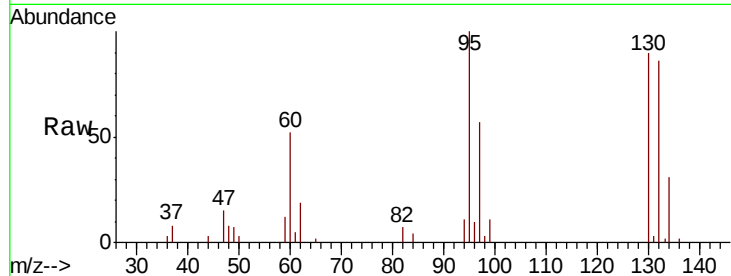




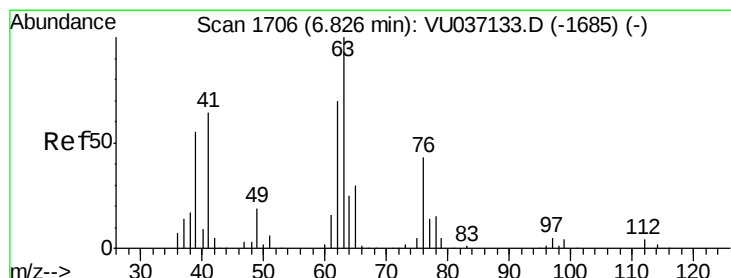
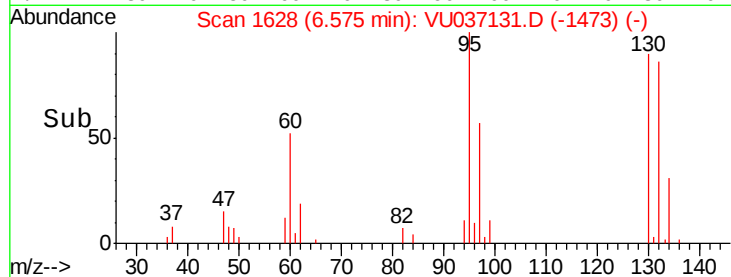
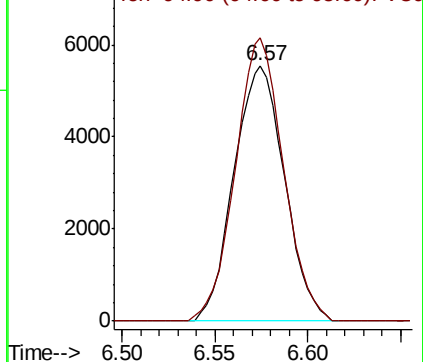
#37
 Trichloroethene
 Concen: 2.110 ug/l
 RT: 6.57 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion:130 Resp: 10501
 Ion Ratio Lower Upper
 130 100
 95 110.9 77.0 115.4

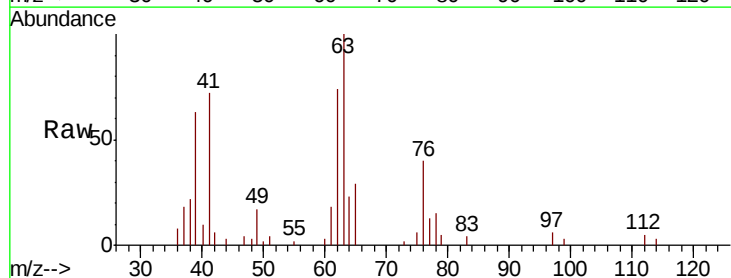


Abundance Ion 129.90 (129.60 to 130.60): VU037131.D (-1473) (-)
 Ion 94.90 (94.60 to 95.60): VU037131.D (-1473) (-)

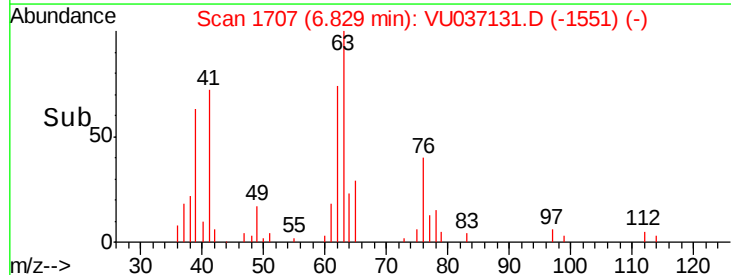
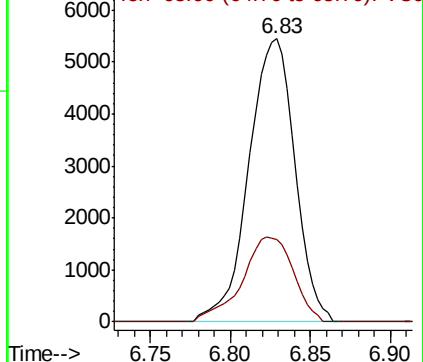


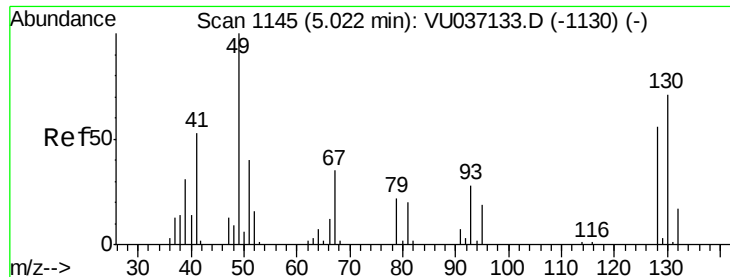
#38
 1,2-Dichloropropane
 Concen: 2.378 ug/l
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Tgt Ion: 63 Resp: 10775
 Ion Ratio Lower Upper
 63 100
 65 29.1 24.7 37.1



Abundance Ion 63.00 (62.70 to 63.70): VU037131.D (-1551) (-)
 Ion 65.00 (64.70 to 65.70): VU037131.D (-1551) (-)





#39

Methacrylonitrile

Concen: 2.953 ug/l

RT: 5.03 min Scan# 1148

Delta R.T. 0.01 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 41 Resp: 4029

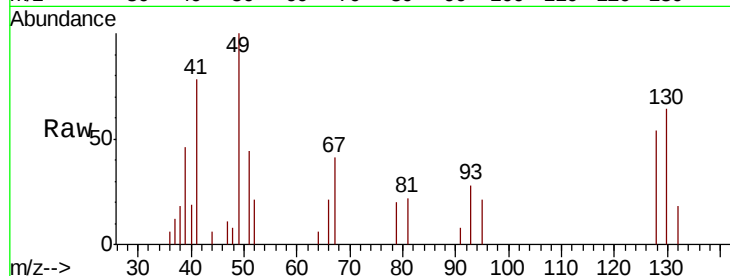
Ion Ratio Lower Upper

41 100

67 60.8 69.6 104.4#

39 54.2 41.6 62.4

52 27.8 25.9 38.9

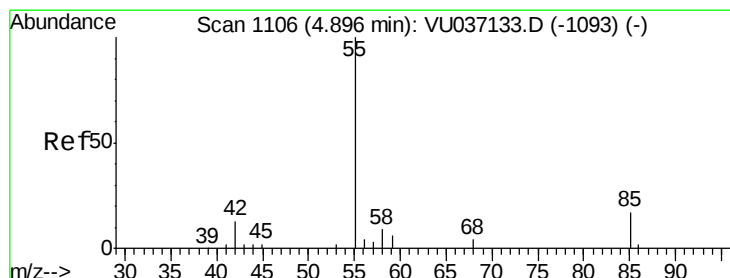
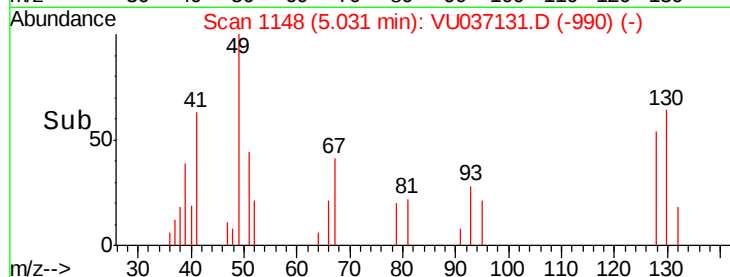
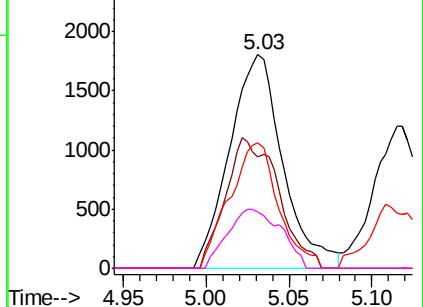


Abundance Ion 41.00 (40.70 to 41.70): VU0

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



#40

Methyl acrylate

Concen: 2.427 ug/l

RT: 4.90 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Tgt Ion: 55 Resp: 5249

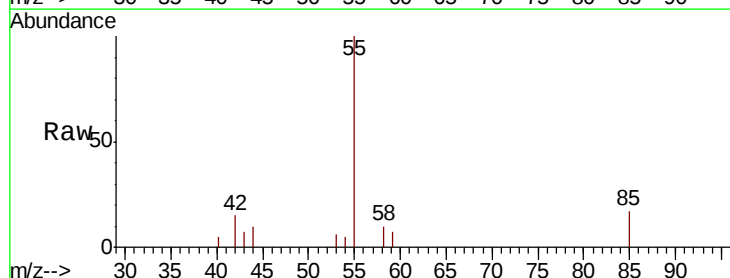
Ion Ratio Lower Upper

55 100

85 14.6 14.7 22.1#

58 5.7 7.1 10.7#

42 11.9 6.9 10.3#

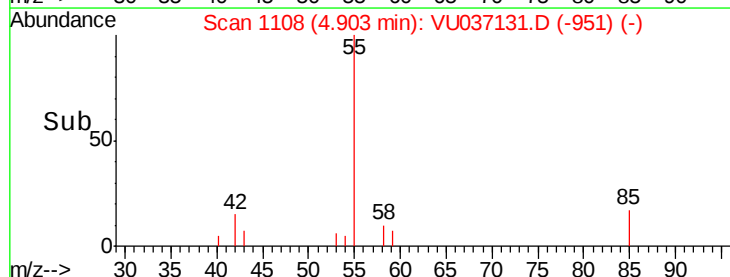
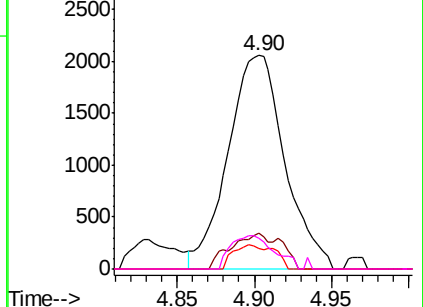


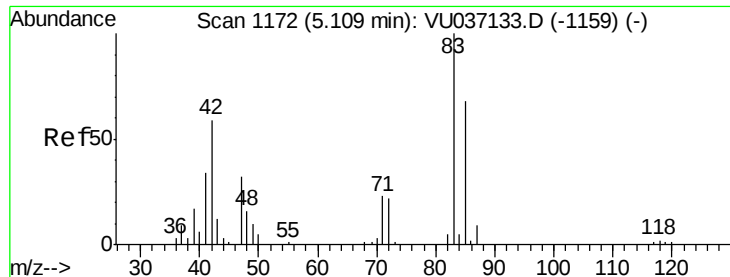
Abundance Ion 55.00 (54.70 to 55.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 42.00 (41.70 to 42.70): VU0





#41

Tetrahydrofuran

Concen: 5.212 ug/l

RT: 5.11 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

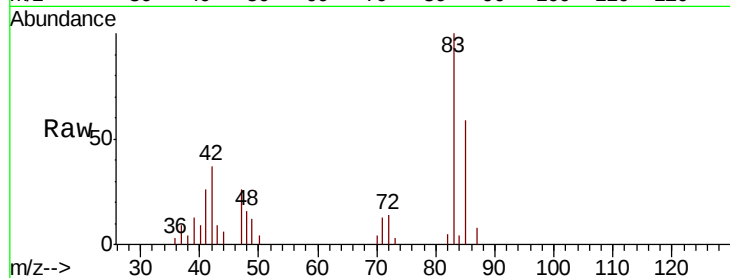
Tot Ion: 42 Resp: 3875

Ion Ratio Lower Upper

42 100

72 36.6 42.5 63.7#

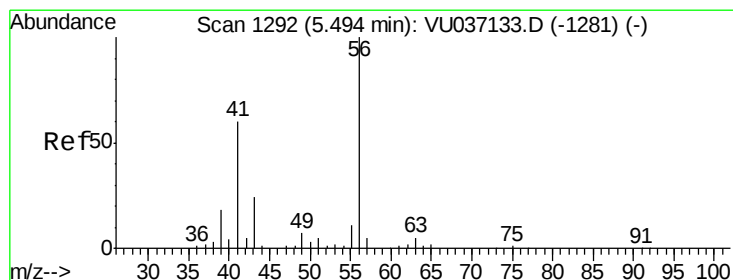
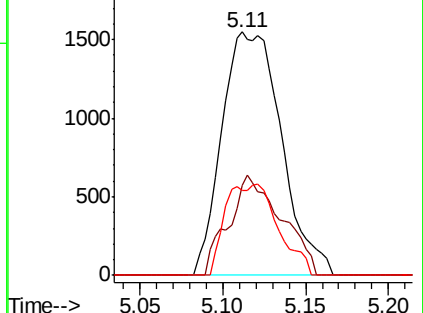
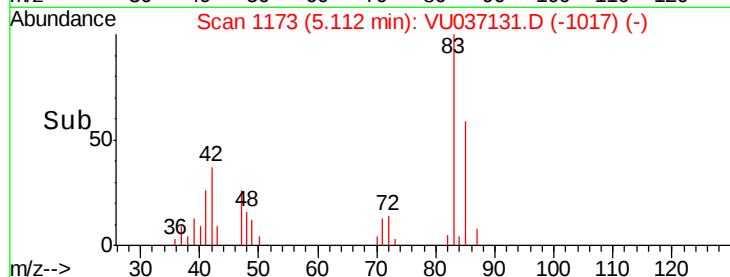
71 12.5 37.3 55.9#



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 2.411 ug/l

RT: 5.50 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VU037131.D

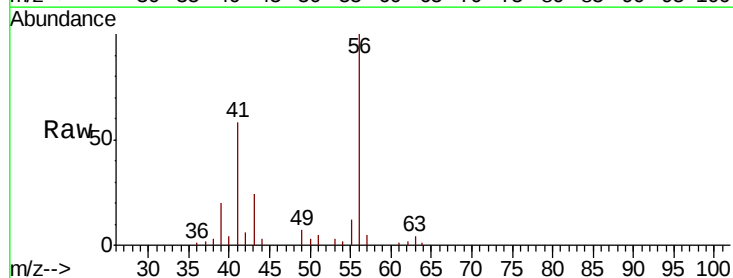
Acq: 09 Mar 2020 13:25

Tgt Ion: 56 Resp: 19439

Ion Ratio Lower Upper

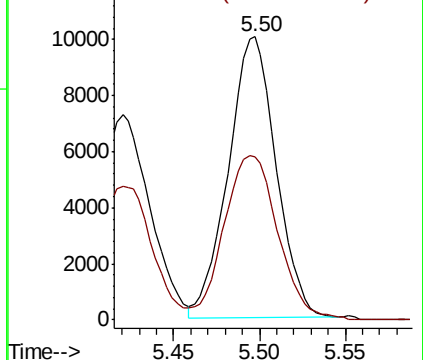
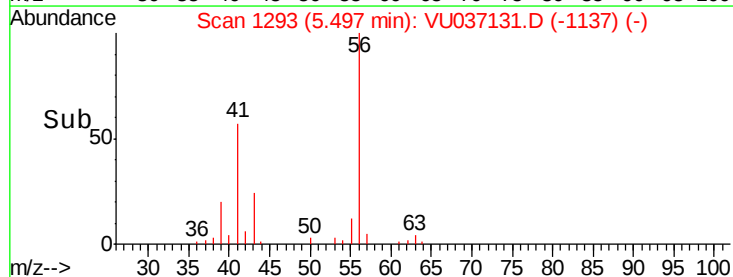
56 100

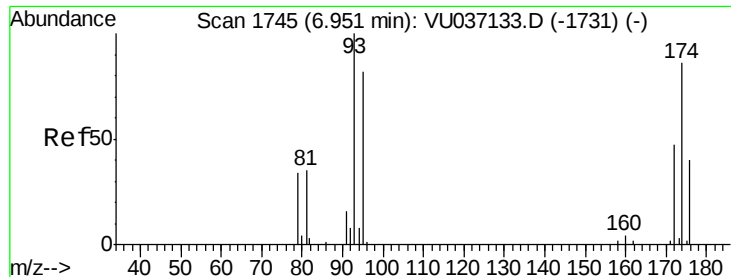
41 65.9 24.8 74.3



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

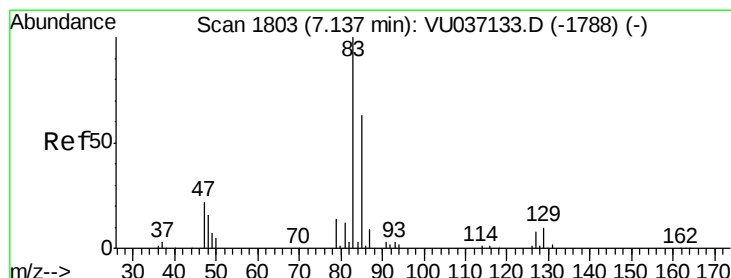
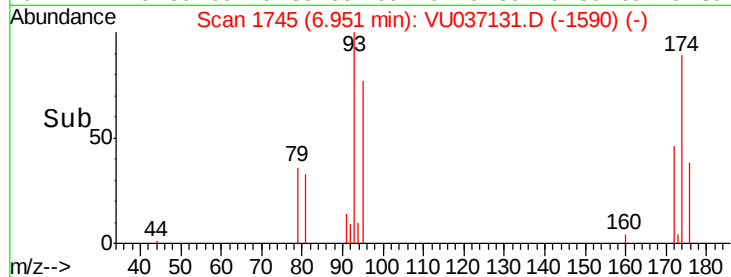
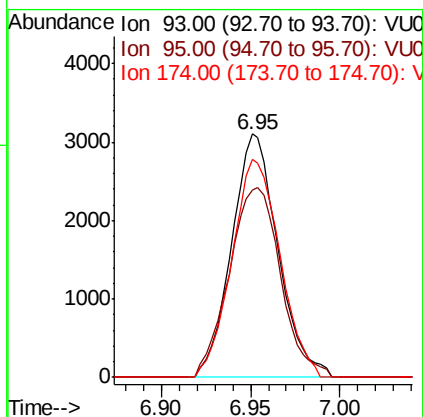
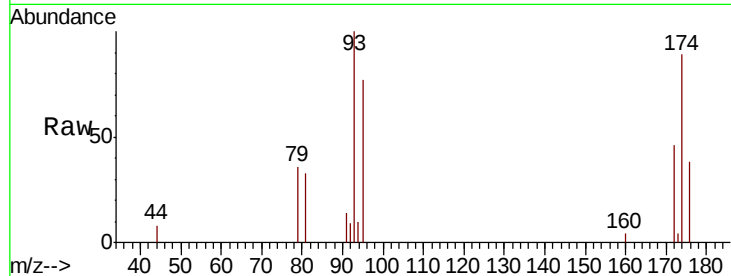




#43
Dibromomethane
Concen: 2.373 ug/l
RT: 6.95 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

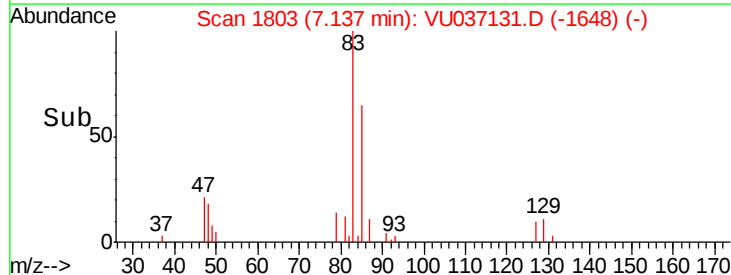
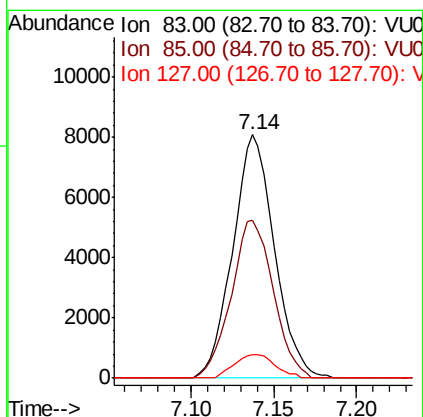
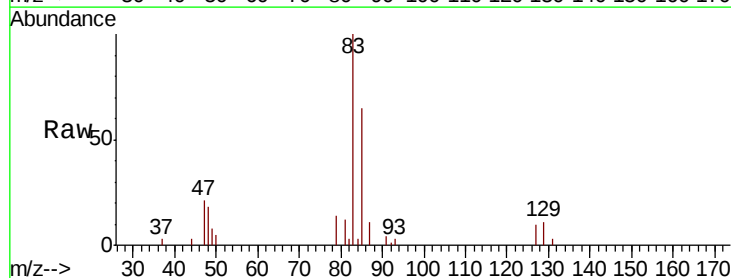
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

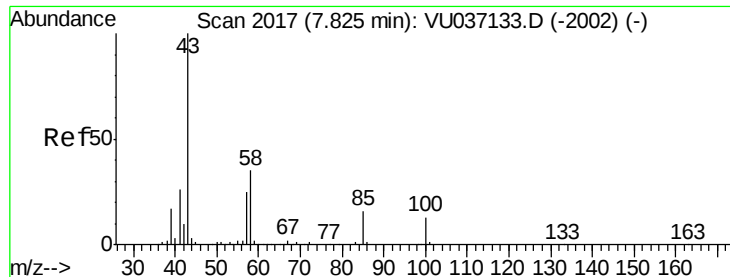
Tot Ion: 93 Resp: 5613
Ion Ratio Lower Upper
93 100
95 86.2 67.9 101.9
174 93.0 83.4 125.0



#44
Bromodichloromethane
Concen: 2.523 ug/l
RT: 7.14 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion: 83 Resp: 14117
Ion Ratio Lower Upper
83 100
85 64.6 51.8 77.6
127 9.8 6.8 10.2

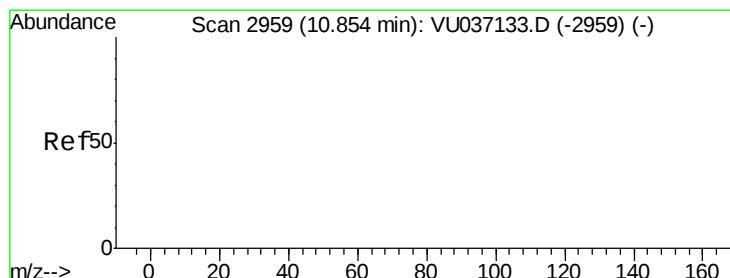
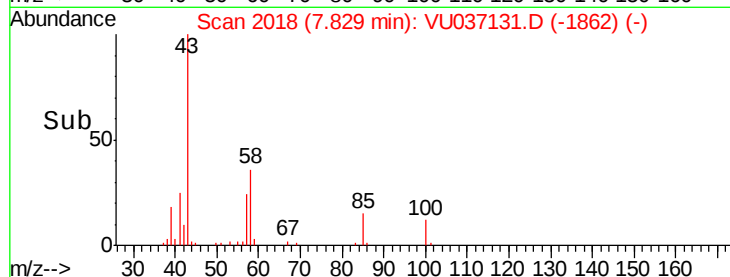
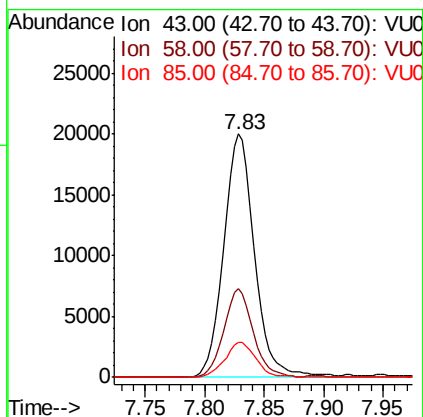
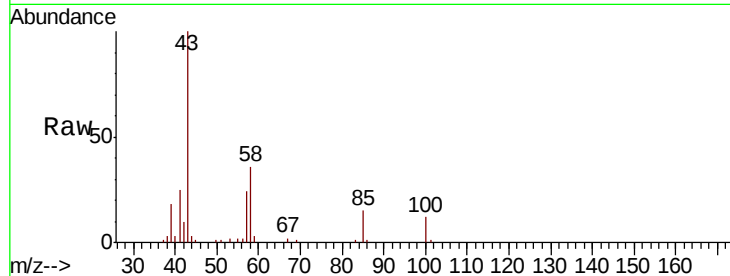




#45
4-Methyl-2-Pentanone
Concen: 13.473 ug/l
RT: 7.83 min Scan# 2018
Delta R.T. 0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

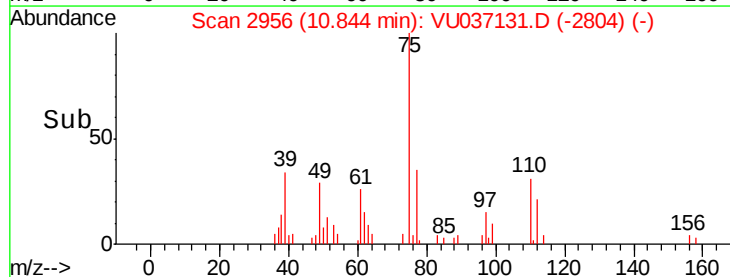
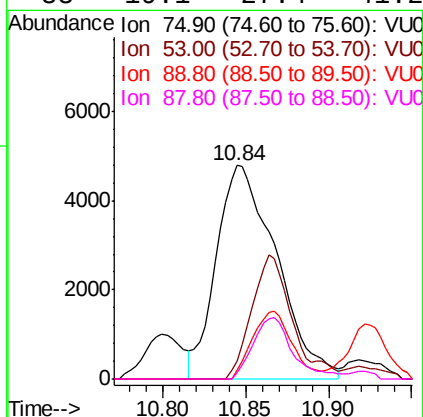
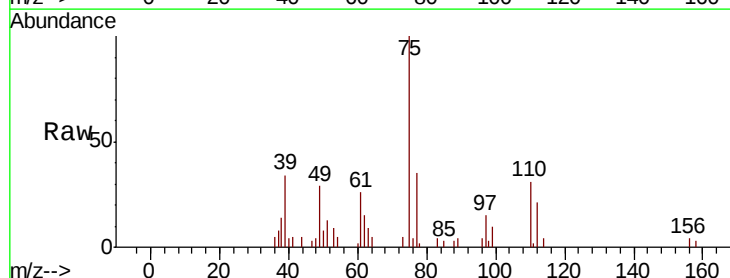
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

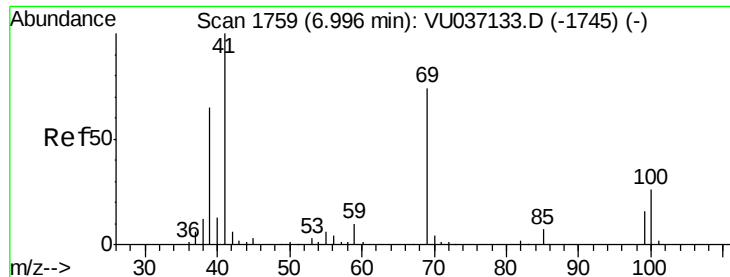
Tot Ion: 43 Resp: 35902
Ion Ratio Lower Upper
43 100
58 34.3 22.1 66.1
85 14.5 17.4 26.0#



#46
t-1,4-Dichloro-2-butene
Concen: 10.276 ug/l
RT: 10.84 min Scan# 2956
Delta R.T. -0.01 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion: 75 Resp: 12059
Ion Ratio Lower Upper
75 100
53 38.9 52.2 78.2#
89 21.0 39.8 59.6#
88 19.1 27.4 41.2#

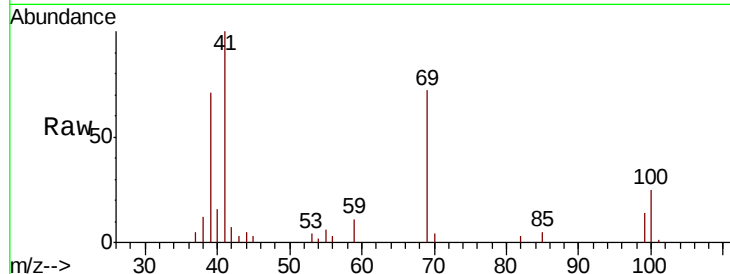




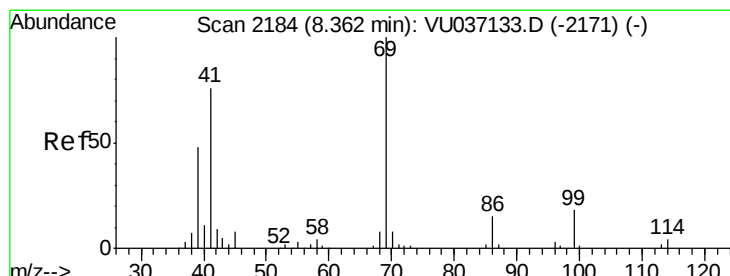
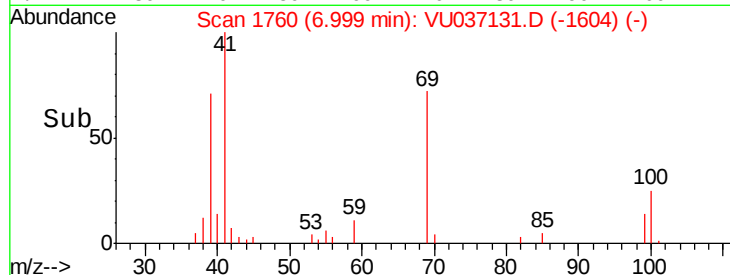
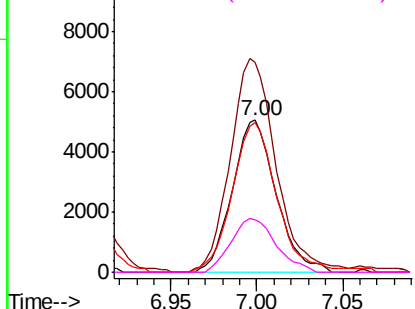
#47
Methyl methacrylate
Concen: 3.869 ug/l
RT: 7.00 min Scan# 1760
Delta R.T. 0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion: 69 Resp: 8968
Ion Ratio Lower Upper
69 100
41 146.4 0.0 200.8
39 99.9 43.5 65.3#
100 36.2 31.1 46.7

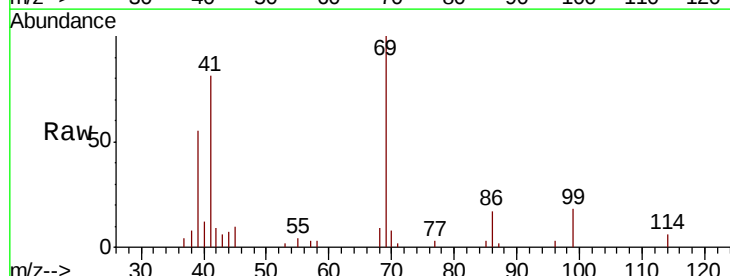


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

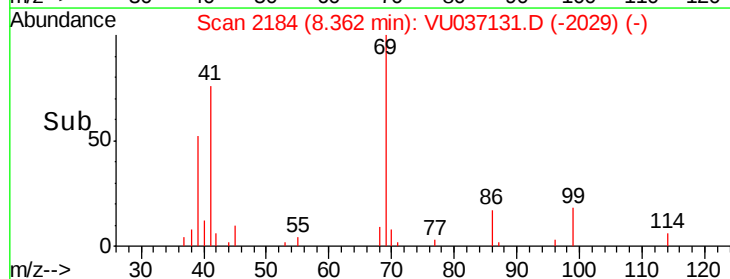
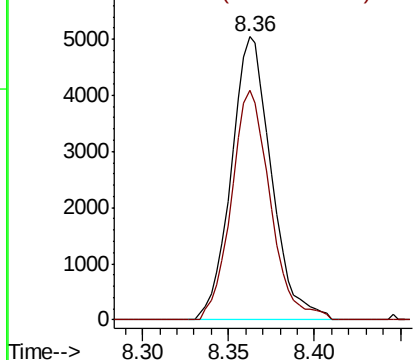


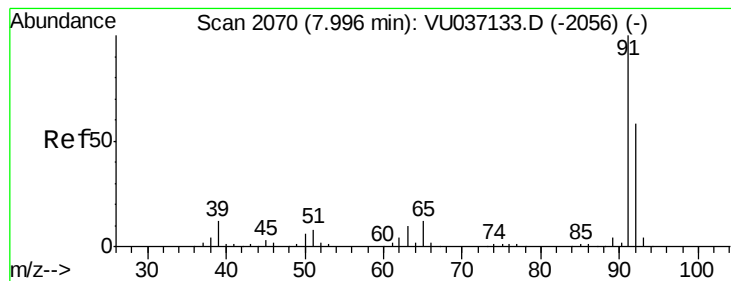
#48
Ethyl methacrylate
Concen: 1.833 ug/l
RT: 8.36 min Scan# 2184
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion: 69 Resp: 8205
Ion Ratio Lower Upper
69 100
41 78.7 27.9 83.6



Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 2.013 ug/l

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

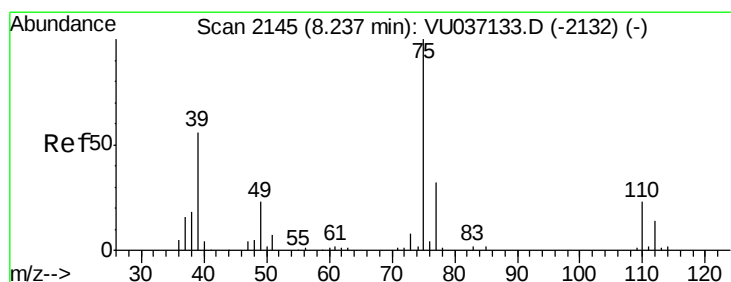
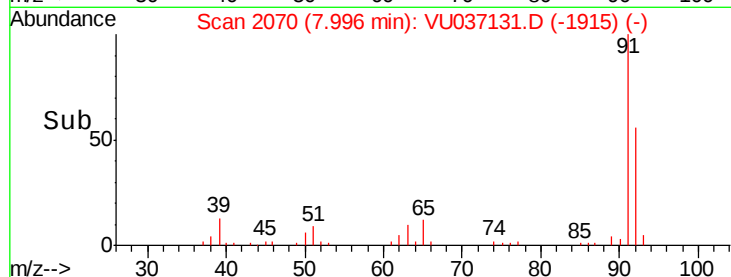
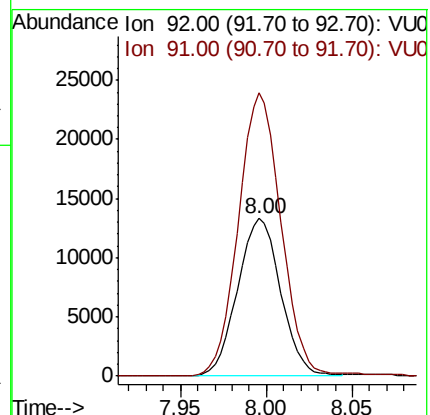
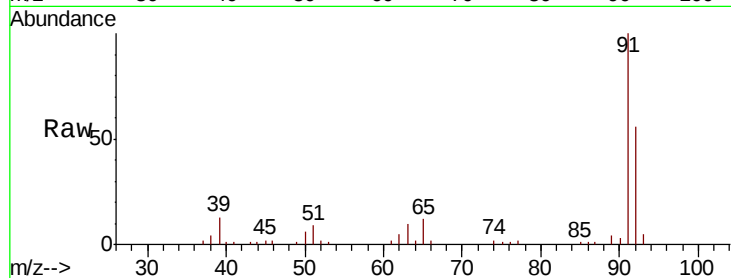
VSTDIC002

Tot Ion: 92 Resp: 23160

Ion Ratio Lower Upper

92 100

91 177.0 139.1 208.7



#50

t-1,3-Dichloropropene

Concen: 2.222 ug/l

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU037131.D

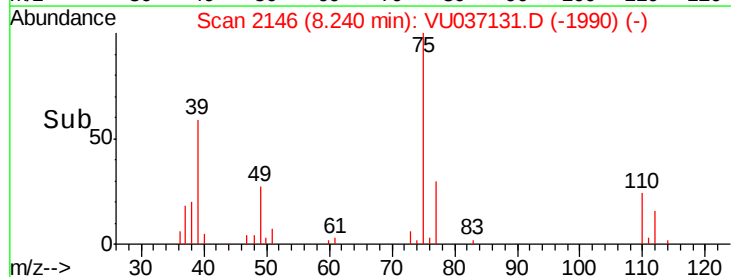
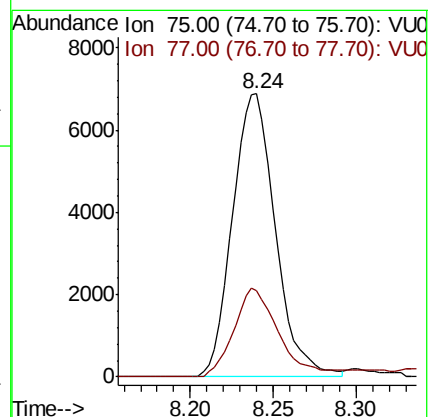
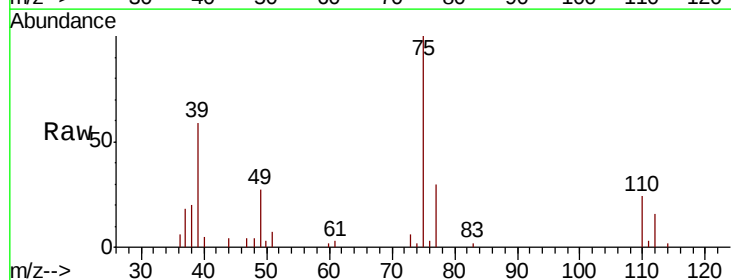
Acq: 09 Mar 2020 13:25

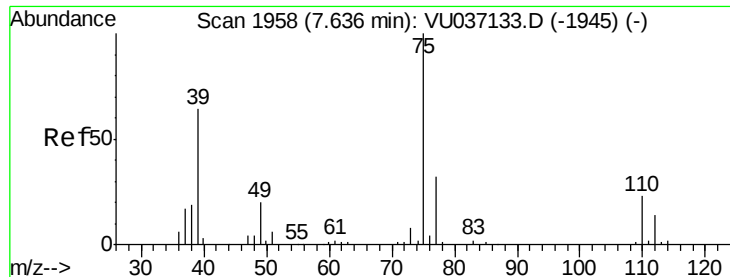
Tgt Ion: 75 Resp: 12389

Ion Ratio Lower Upper

75 100

77 30.3 25.4 38.2



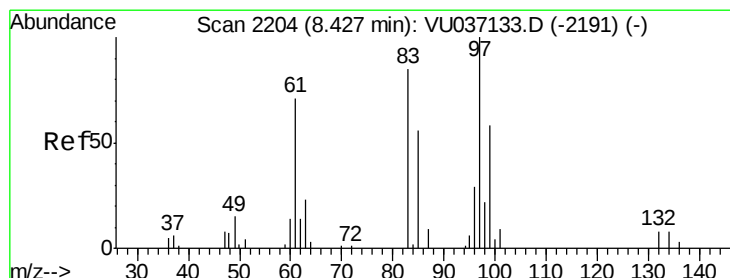
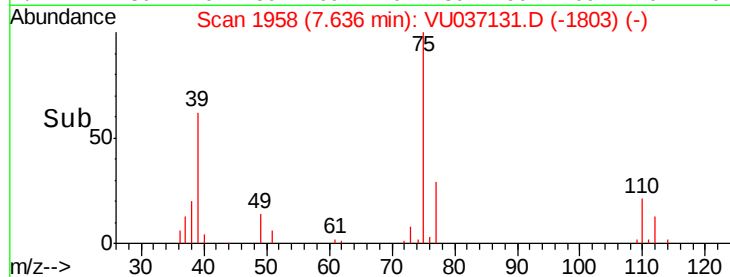
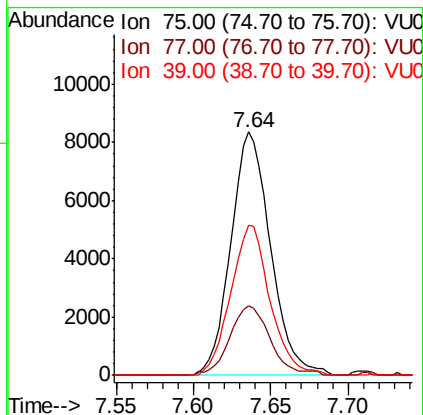
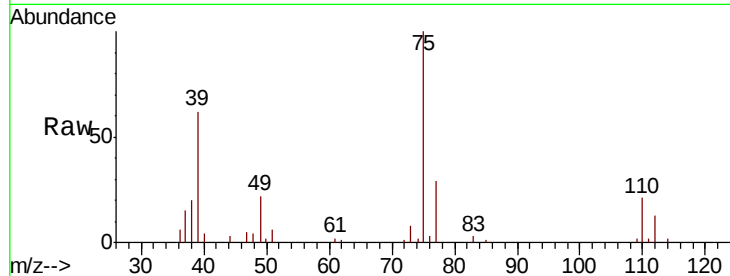


#51

cis-1,3-Dichloropropene
Concen: 2.205 ug/l
RT: 7.64 min Scan# 1958
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_U
ClientSampled :
VSTDIC002

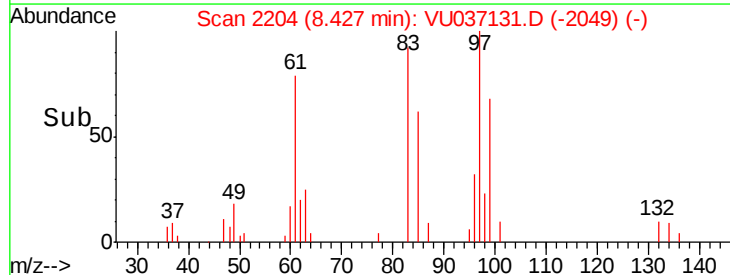
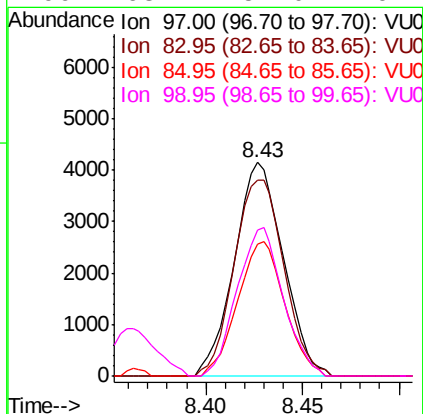
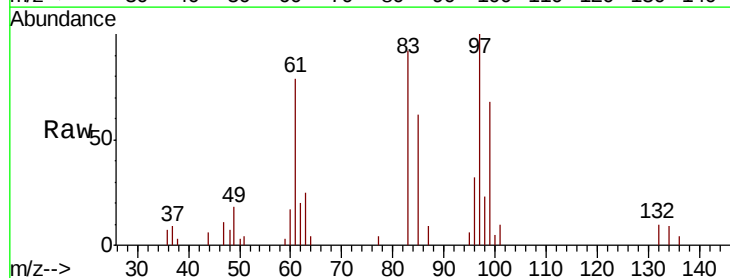
Tot Ion: 75 Resp: 14899
Ion Ratio Lower Upper
75 100
77 28.6 25.3 37.9
39 61.7 31.8 47.6#

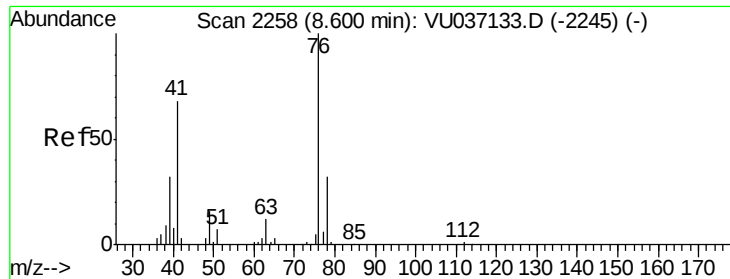


#52

1,1,2-Trichloroethane
Concen: 2.167 ug/l
RT: 8.43 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion: 97 Resp: 7272
Ion Ratio Lower Upper
97 100
83 91.9 70.9 106.3
85 61.6 45.6 68.4
99 68.4 51.0 76.4





#53

1,3-Dichloropropane

Concen: 2.253 ug/l

RT: 8.60 min Scan# 2258

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

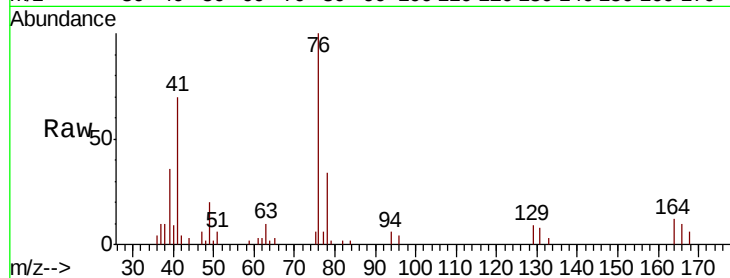
VSTDIC002

Tot Ion: 76 Resp: 12958

Ion Ratio Lower Upper

76 100

78 33.5 25.4 38.2



Abundance Ion 76.00 (75.70 to 76.70): VU037131.D (-2245) (-)

Ion 78.00 (77.70 to 78.70): VU037131.D (-2245) (-)

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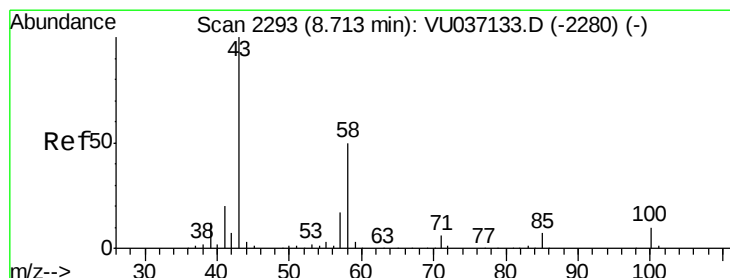
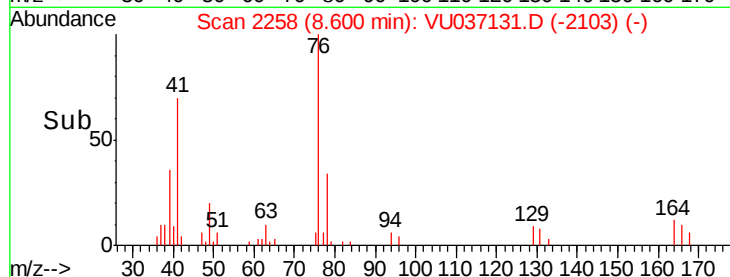
8.60

8.60

8.60

8.60

8.60



#54

2-Hexanone

Concen: 13.021 ug/l

RT: 8.72 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

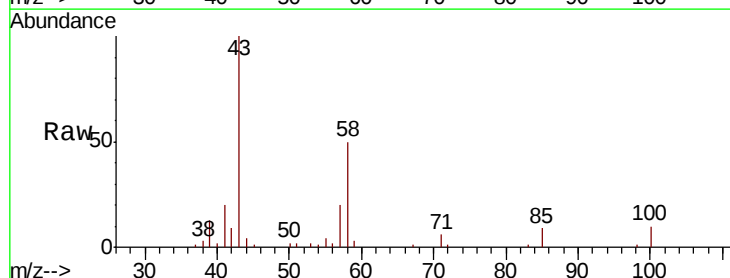
Tgt Ion: 43 Resp: 24334

Ion Ratio Lower Upper

43 100

58 46.5 40.6 80.6

57 17.9 1.2 41.2



Abundance Ion 43.00 (42.70 to 43.70): VU037131.D (-2293) (-)

Ion 58.00 (57.70 to 58.70): VU037131.D (-2293) (-)

Ion 57.00 (56.70 to 57.70): VU037131.D (-2293) (-)

8.72

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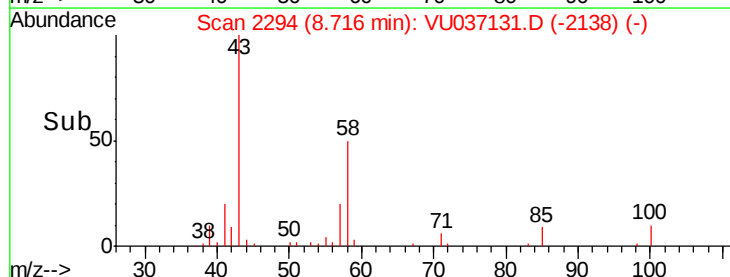
8.72

8.72

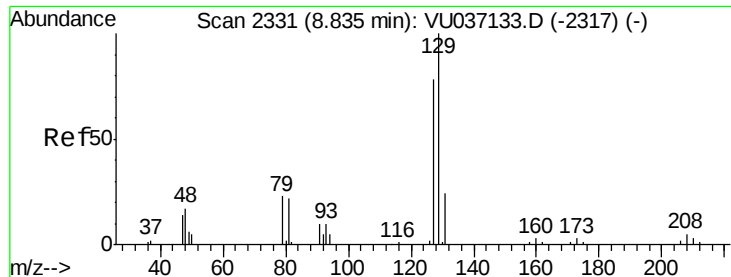
8.72

8.72

8.72



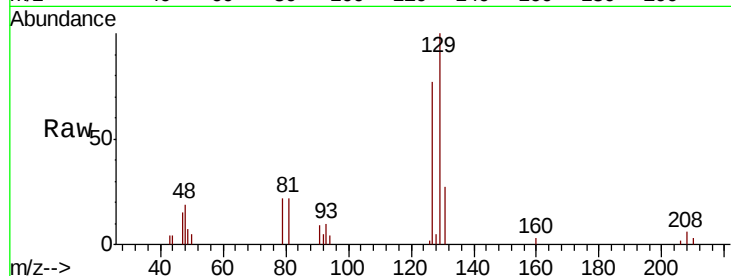
Time-->



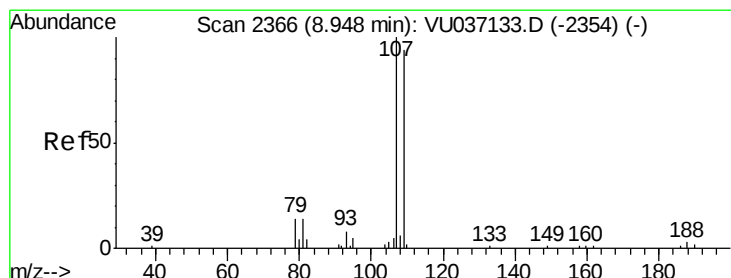
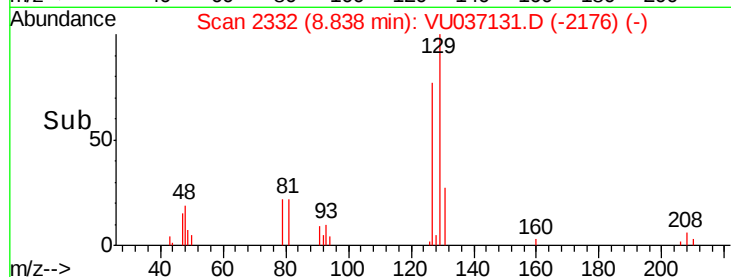
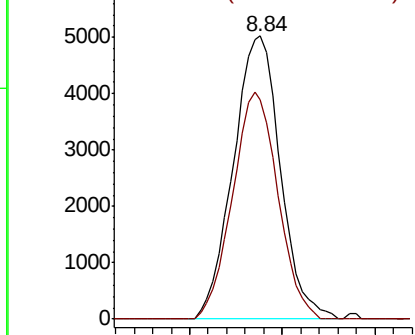
#55
 Dibromochloromethane
 Concen: 2.293 ug/l
 RT: 8.84 min Scan# 2332
 Delta R.T. 0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion:129 Resp: 8858
 Ion Ratio Lower Upper
 129 100
 127 77.1 62.6 94.0

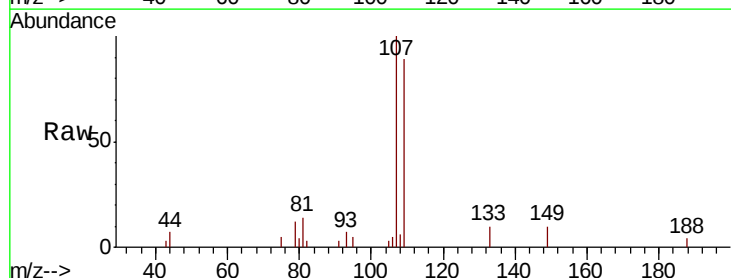


Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

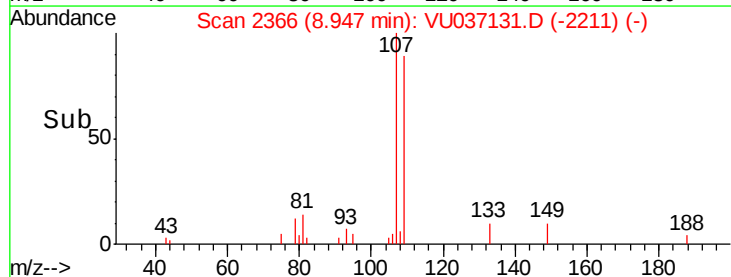
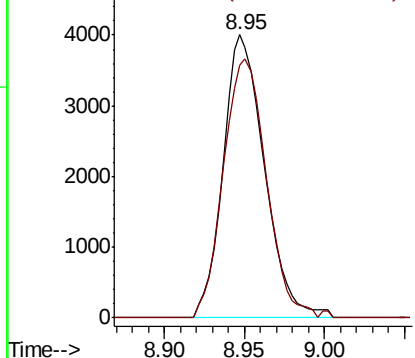


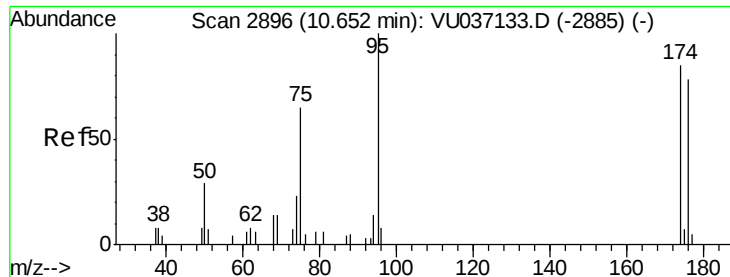
#56
 1,2-Dibromoethane
 Concen: 2.181 ug/l
 RT: 8.95 min Scan# 2366
 Delta R.T. -0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Tgt Ion:107 Resp: 7049
 Ion Ratio Lower Upper
 107 100
 109 95.2 0.0 190.8



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

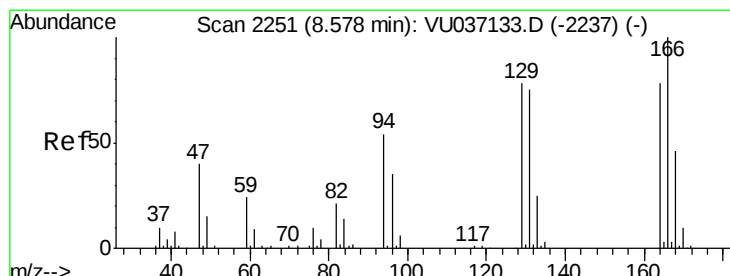
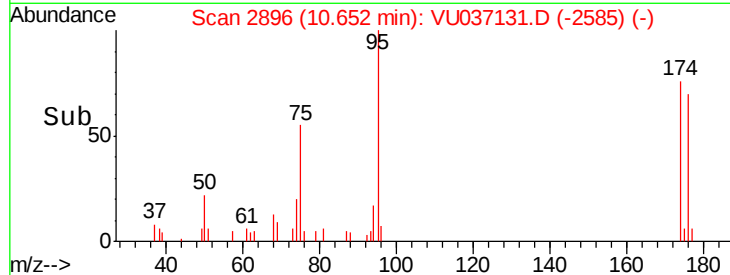
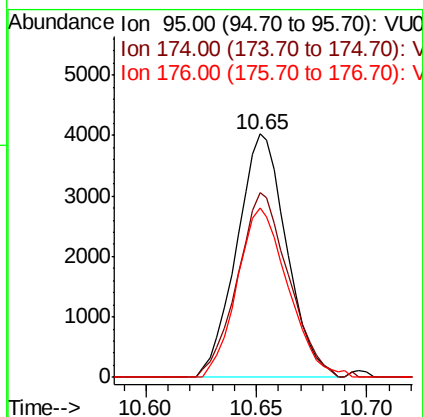
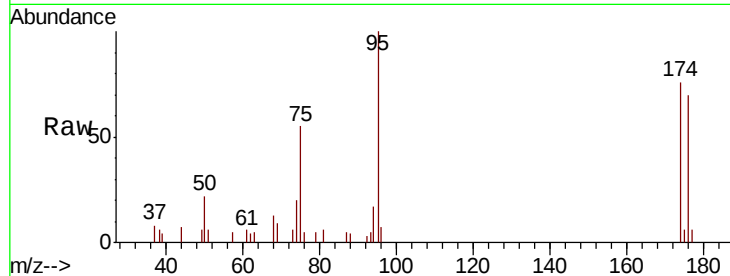




#57
4-Bromofluorobenzene
Concen: 1.028 ug/l
RT: 10.65 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

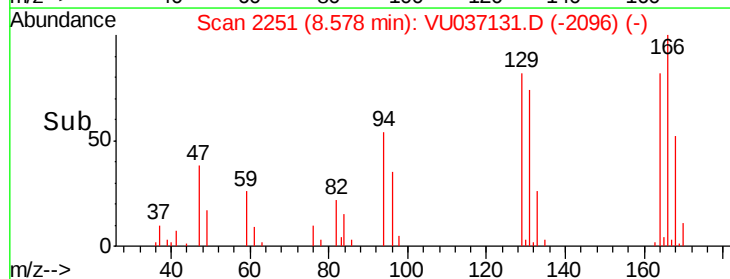
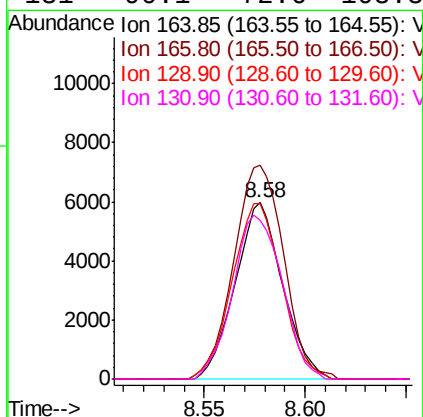
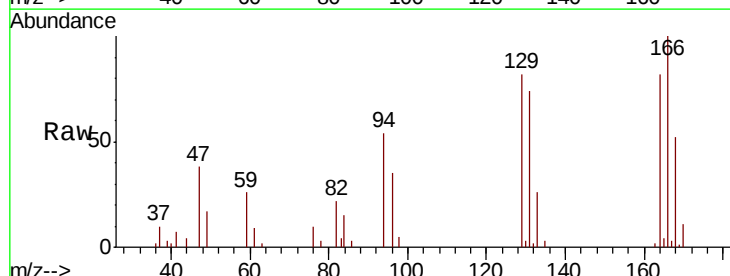
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

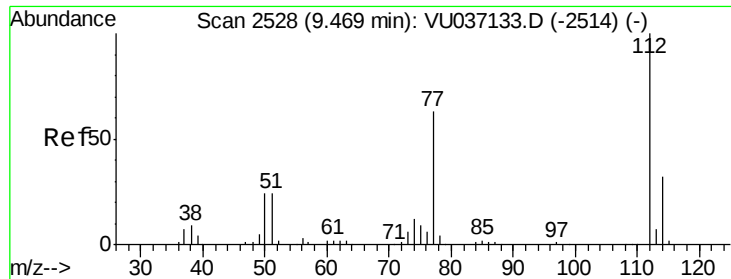
Tot Ion: 95 Resp: 6312
Ion Ratio Lower Upper
95 100
174 77.8 64.7 97.1
176 71.2 60.6 91.0



#58
Tetrachloroethene
Concen: 1.971 ug/l
RT: 8.58 min Scan# 2251
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion: 164 Resp: 9803
Ion Ratio Lower Upper
164 100
166 121.3 102.0 153.0
129 99.7 74.9 112.3
131 90.1 72.6 108.8





#59

Chlorobenzene

Concen: 2.018 ug/l

RT: 9.47 min Scan# 2528

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

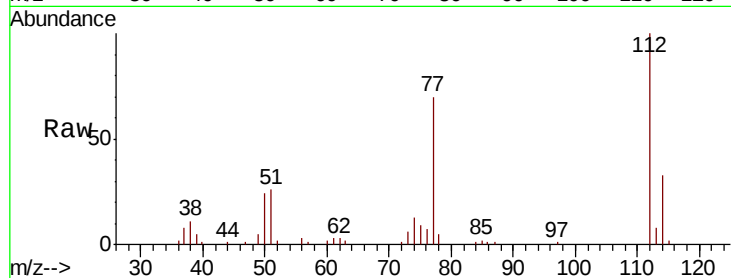
VSTDIC002

Tot Ion:112 Resp: 25865

Ion Ratio Lower Upper

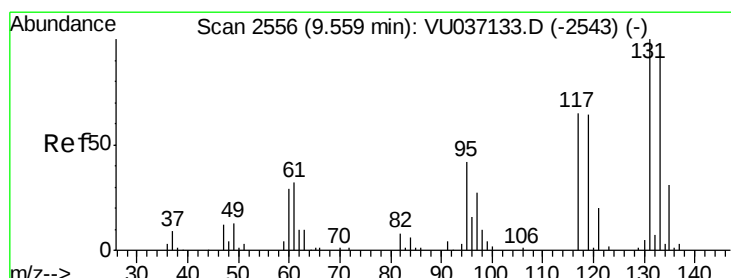
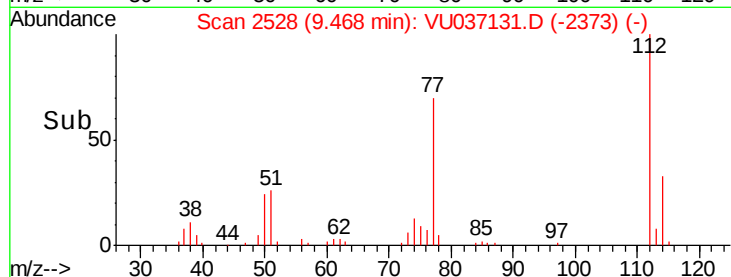
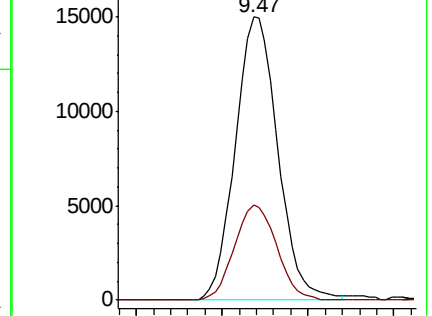
112 100

114 33.5 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: 2.358 ug/l

RT: 9.56 min Scan# 2556

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

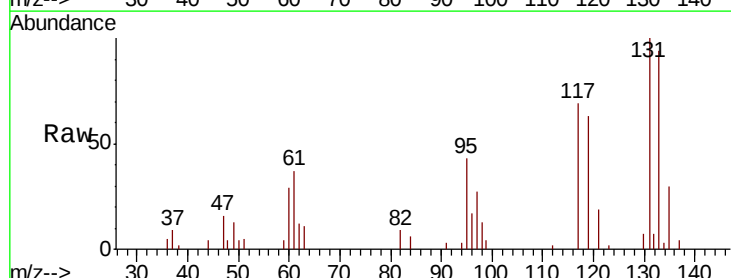
Tgt Ion:131 Resp: 9653

Ion Ratio Lower Upper

131 100

133 93.4 76.4 114.6

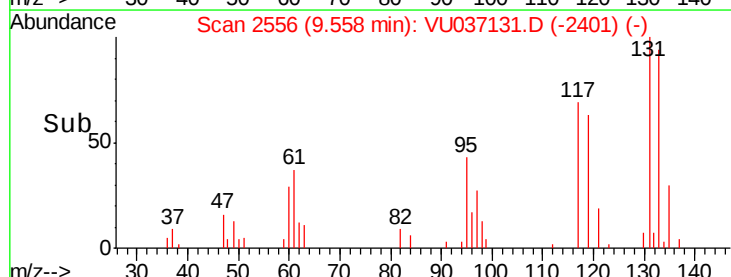
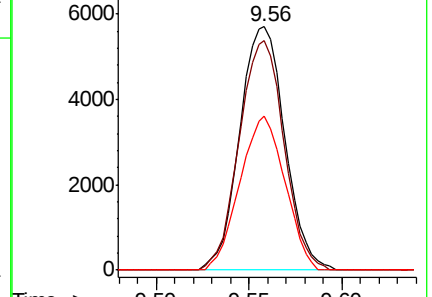
119 62.8 56.6 85.0

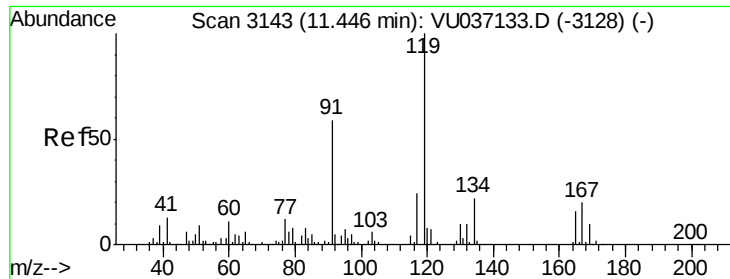


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

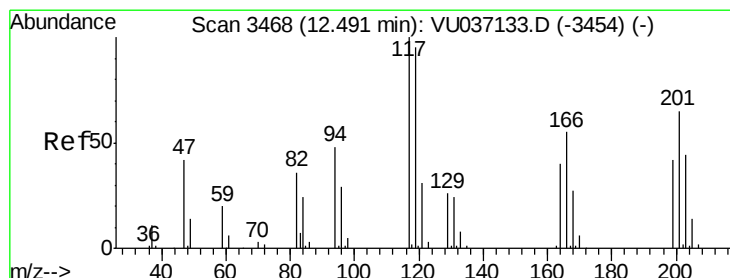
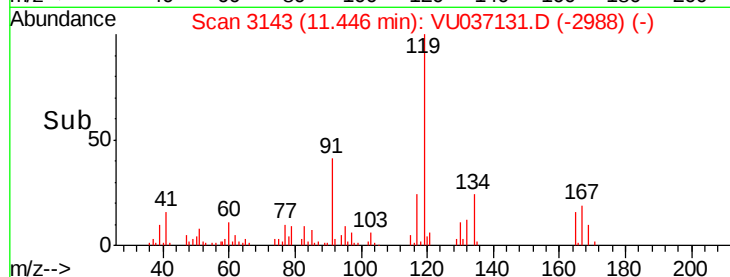
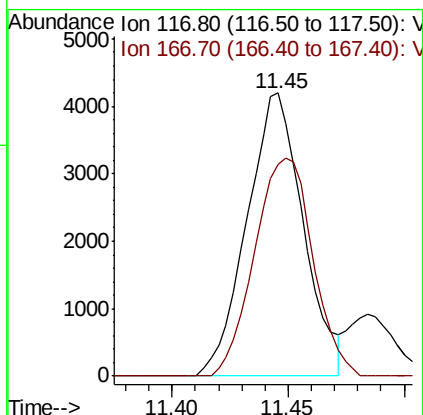
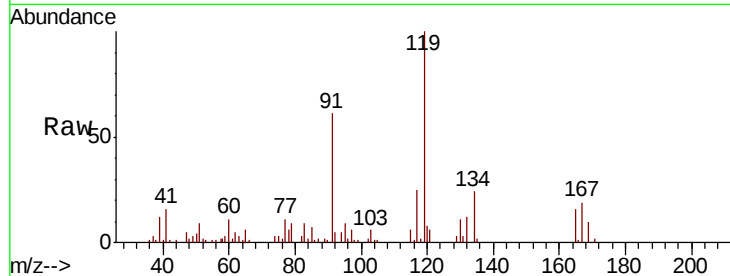




#61
 Pentachloroethane
 Concen: 2.688 ug/l
 RT: 11.45 min Scan# 3143
 Delta R.T. -0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

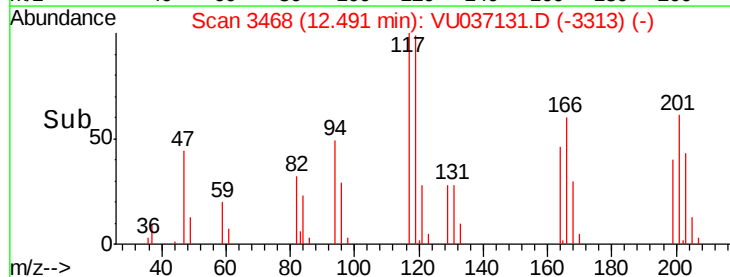
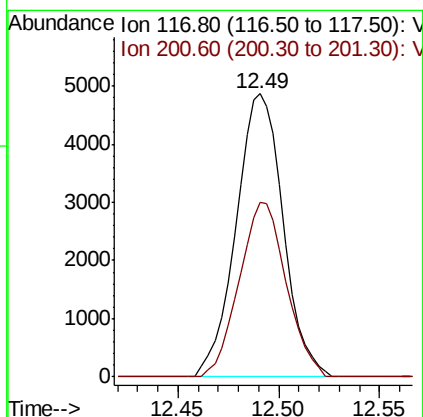
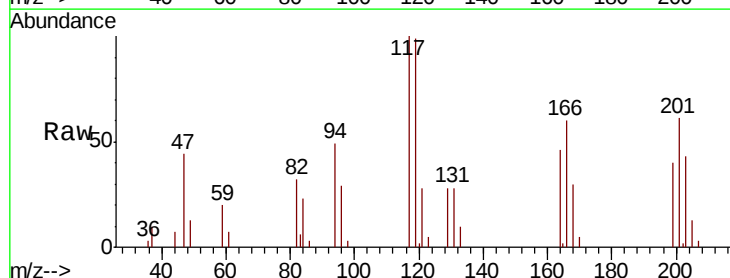
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

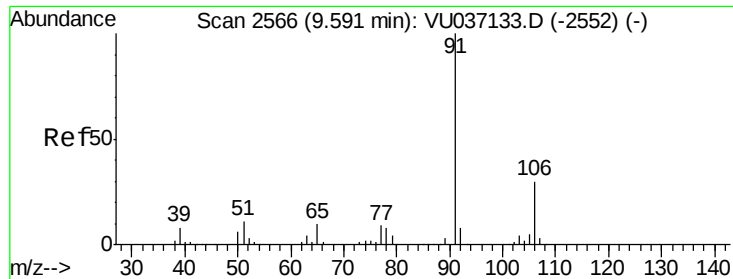
Tot Ion:117 Resp: 7098
 Ion Ratio Lower Upper
 117 100
 167 79.7 66.7 100.1



#62
 Hexachloroethane
 Concen: 2.360 ug/l
 RT: 12.49 min Scan# 3468
 Delta R.T. -0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Tgt Ion:117 Resp: 7941
 Ion Ratio Lower Upper
 117 100
 201 61.6 65.0 97.4#

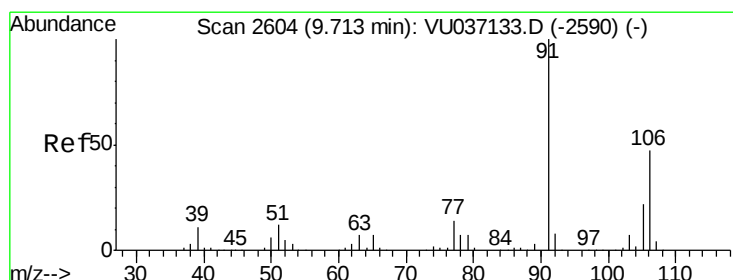
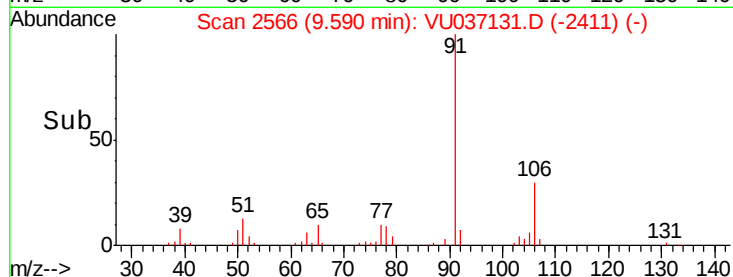
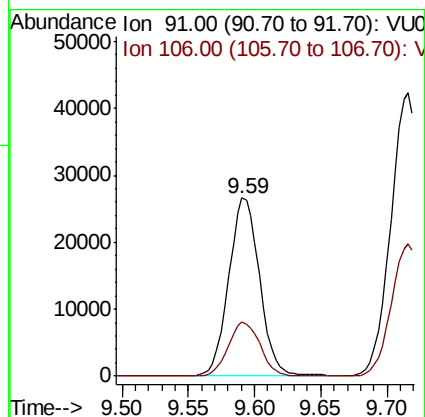
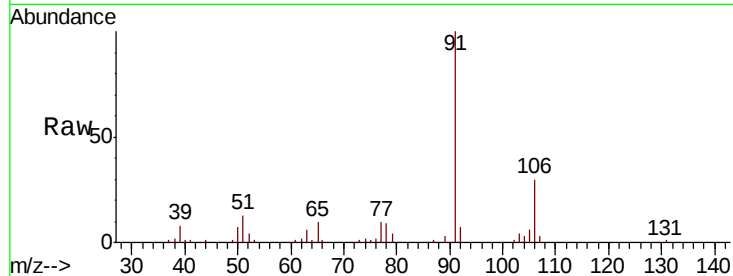




#63
Ethyl Benzene
Concen: 2.013 ug/l
RT: 9.59 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

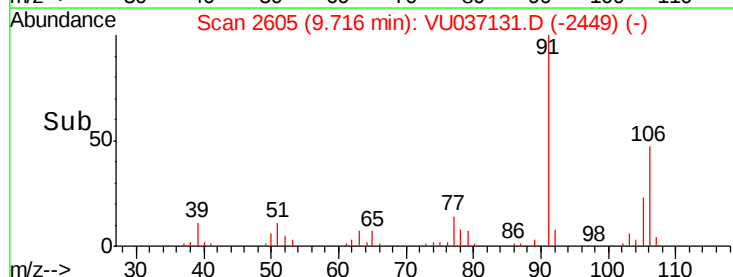
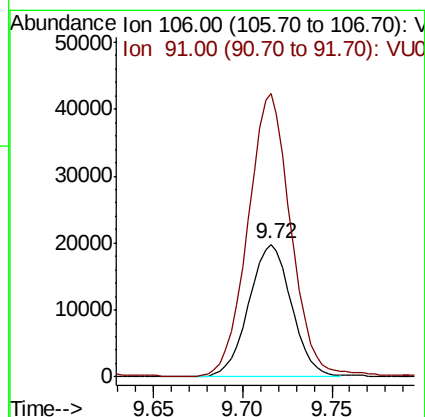
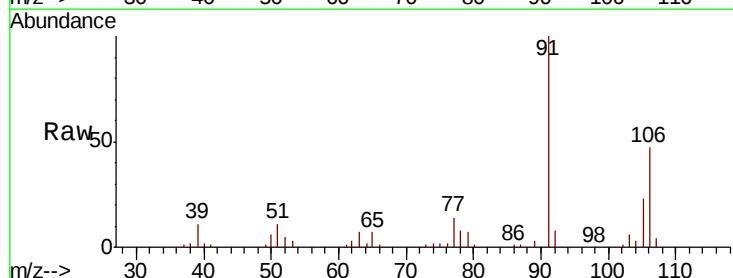
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

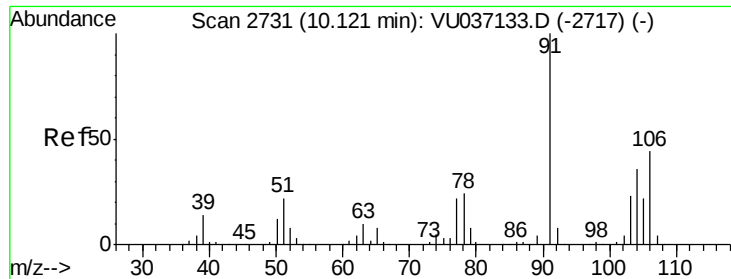
Tot Ion: 91 Resp: 43243
Ion Ratio Lower Upper
91 100
106 30.3 26.0 39.0



#64
m/p-Xylenes
Concen: 3.900 ug/l
RT: 9.72 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion: 106 Resp: 33157
Ion Ratio Lower Upper
106 100
91 214.5 158.2 237.4

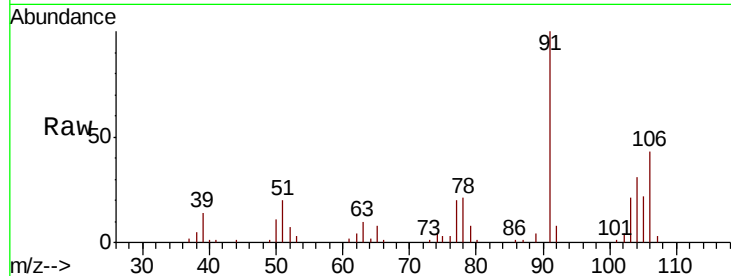




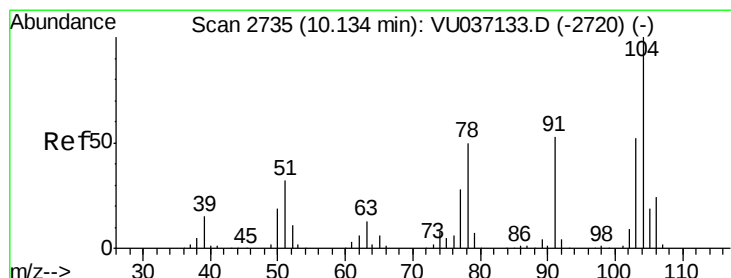
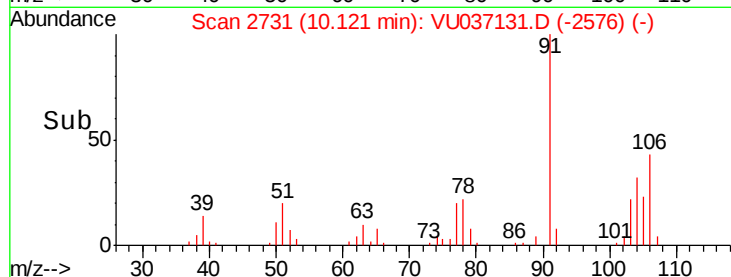
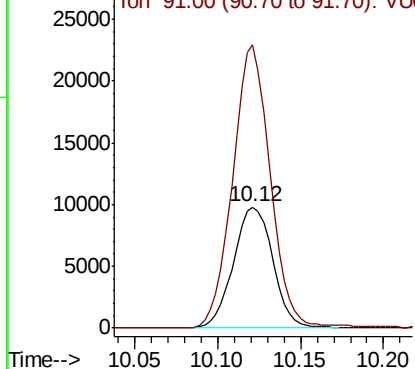
#65
o-Xylene
Concen: 1.971 ug/l
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:106 Resp: 16229
Ion Ratio Lower Upper
106 100
91 224.5 104.3 312.9

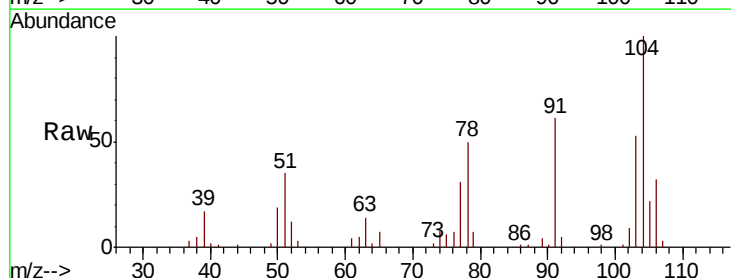


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

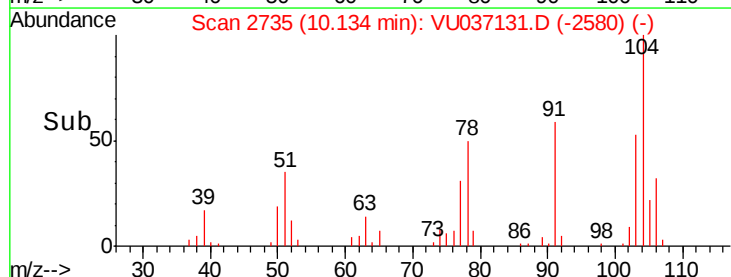
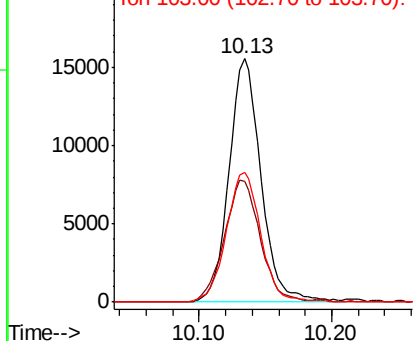


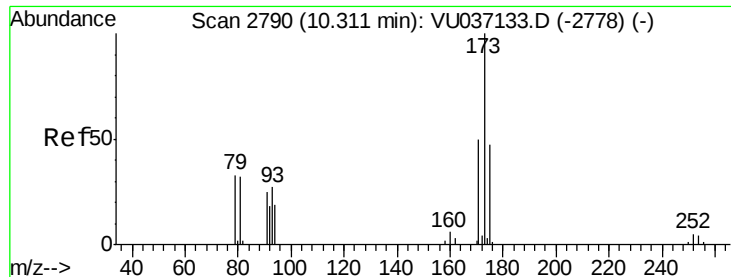
#66
Styrene
Concen: 1.895 ug/l
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion:104 Resp: 26123
Ion Ratio Lower Upper
104 100
78 55.9 38.6 57.8
103 57.5 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 2.159 ug/l

RT: 10.31 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

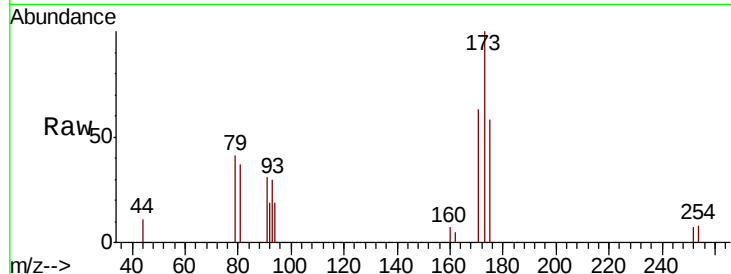
Tot Ion:173 Resp: 4776

Ion Ratio Lower Upper

173 100

175 52.1 38.3 57.5

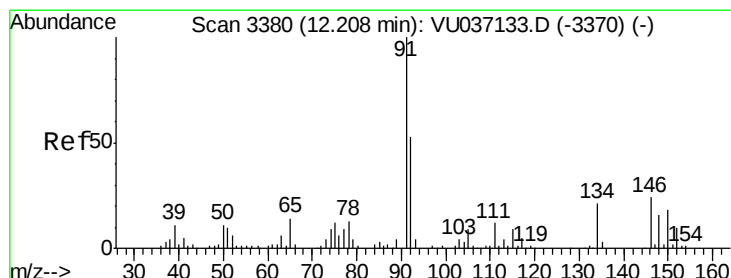
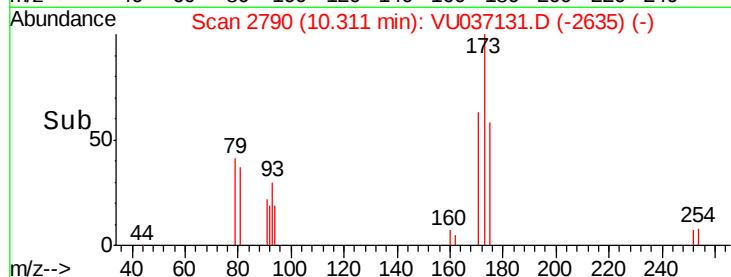
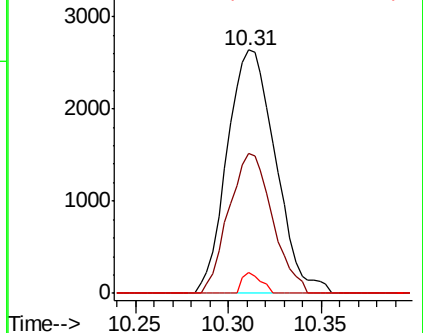
254 3.3 6.6 9.8#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 1.045 ug/l

RT: 12.21 min Scan# 3381

Delta R.T. 0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

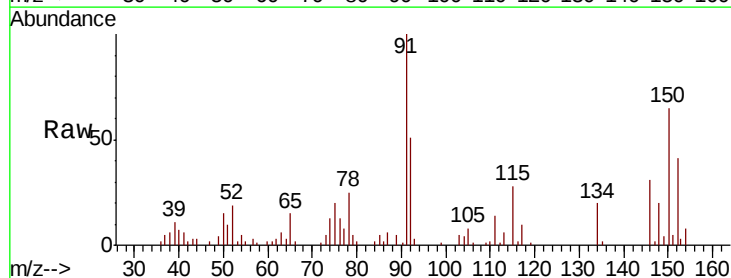
Tgt Ion:152 Resp: 6571

Ion Ratio Lower Upper

152 100

115 82.8 0.0 241.8

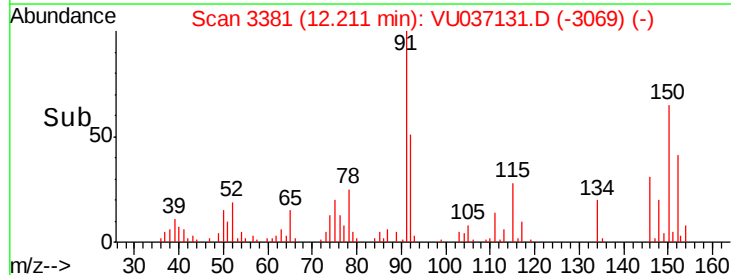
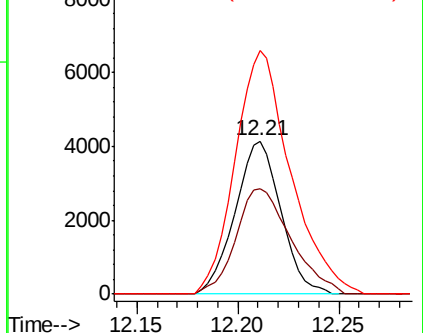
150 192.2 0.0 652.4

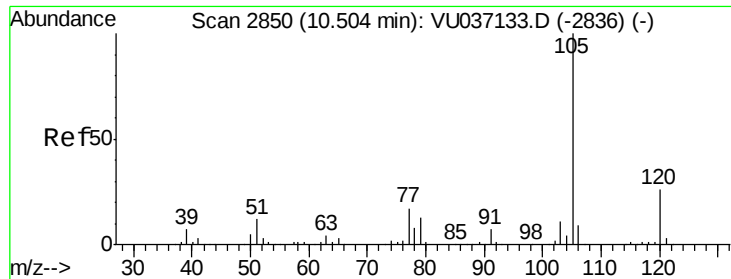


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 2.070 ug/l

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

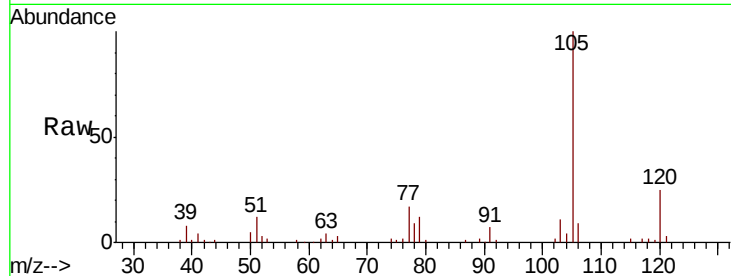
VSTDIC002

Tot Ion:105 Resp: 44775

Ion Ratio Lower Upper

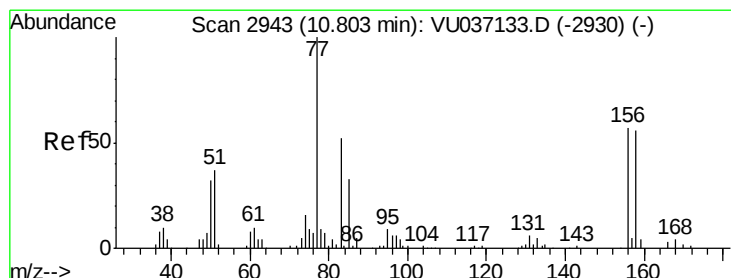
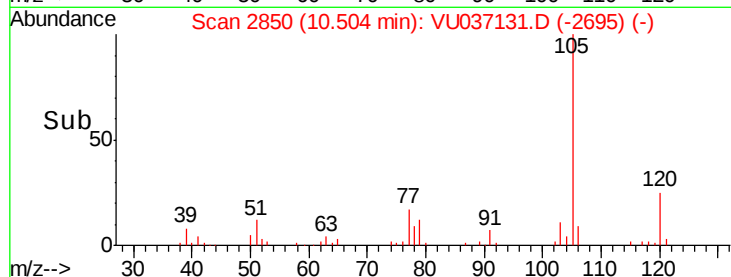
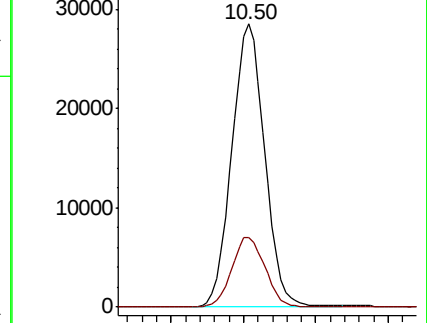
105 100

120 24.8 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 2.373 ug/l

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

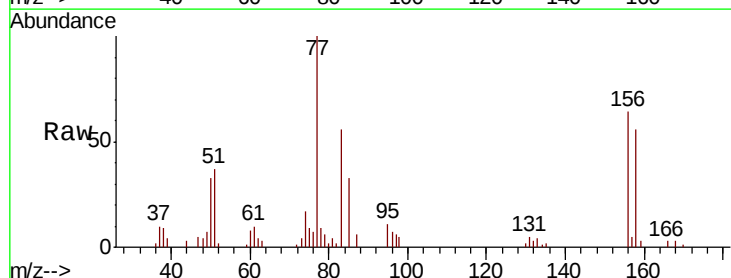
Tgt Ion: 83 Resp: 10048

Ion Ratio Lower Upper

83 100

131 8.5 7.8 11.8

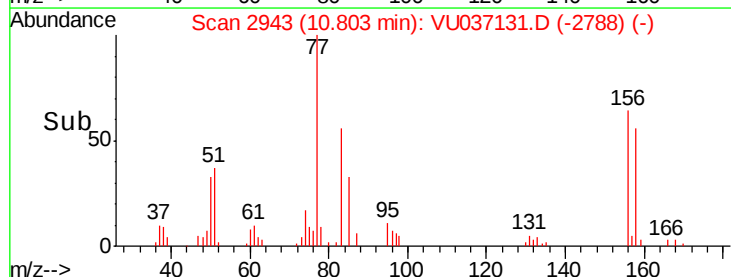
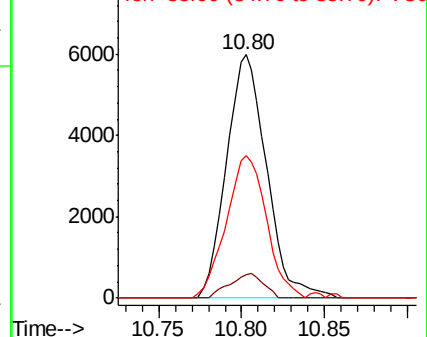
85 58.5 53.2 79.8

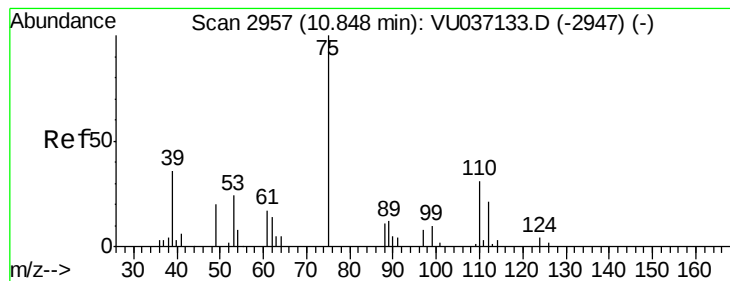


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





#71

1,2,3-Trichloropropane

Concen: 3.992 ug/l

RT: 10.84 min Scan# 2956

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 75 Resp: 12059

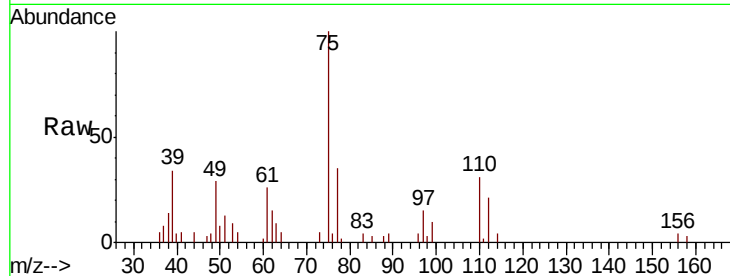
Ion Ratio Lower Upper

75 100

77 34.3 0.0 129.6

110 21.5 0.0 77.4

97 10.4 0.0 42.0

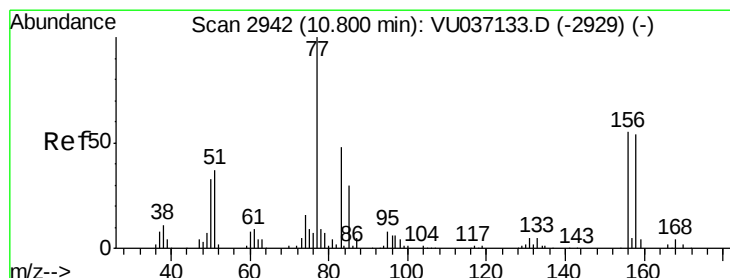
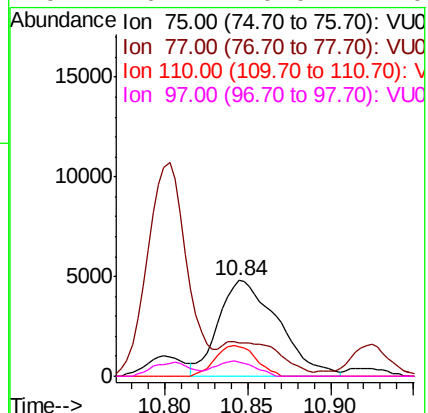
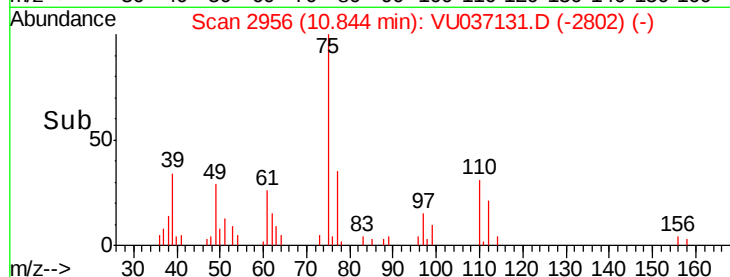


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



#72

Bromobenzene

Concen: 2.278 ug/l

RT: 10.80 min Scan# 2943

Delta R.T. 0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

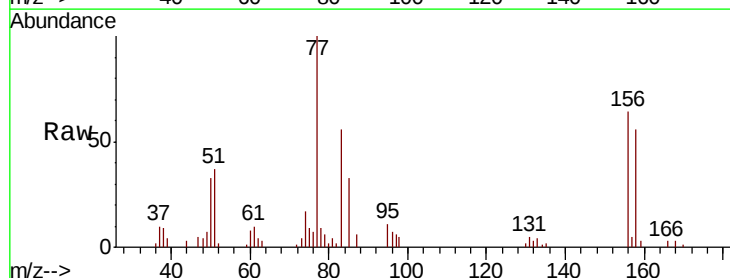
Tgt Ion: 156 Resp: 11870

Ion Ratio Lower Upper

156 100

77 150.3 0.0 306.6

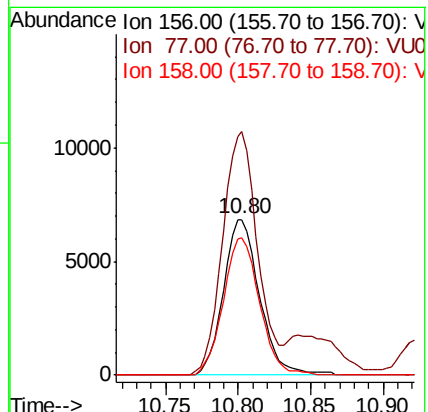
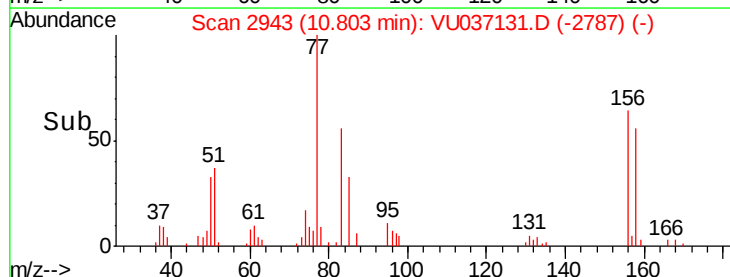
158 88.2 0.0 192.0

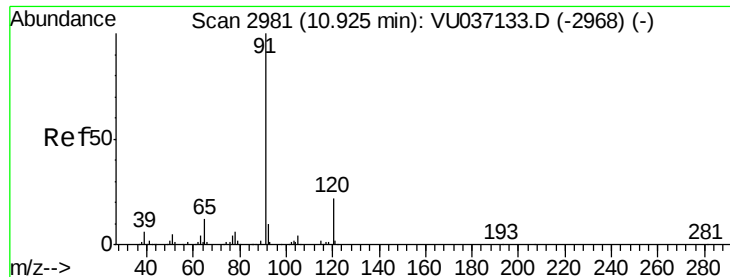


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 1.926 ug/l

RT: 10.92 min Scan# 2981

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

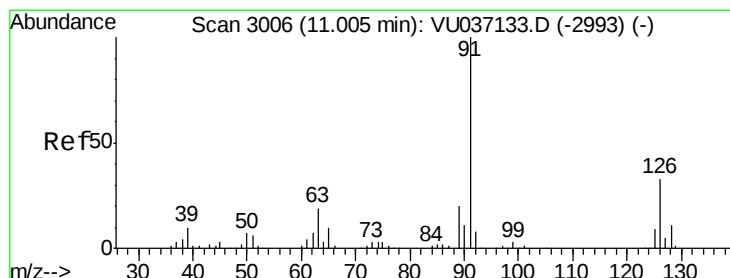
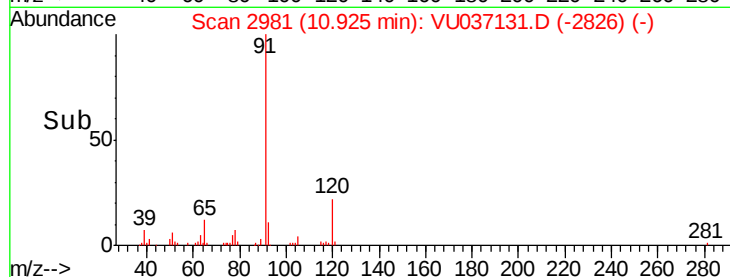
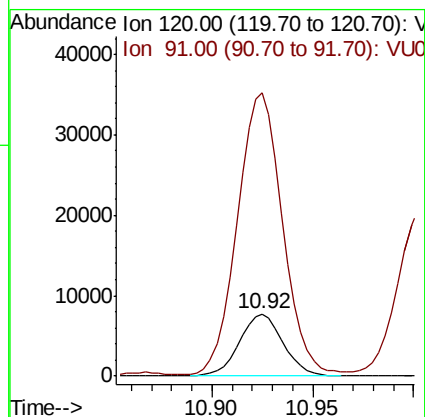
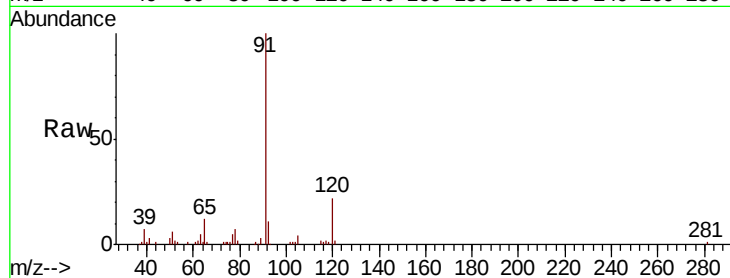
VSTDIC002

Tot Ion:120 Resp: 11689

Ion Ratio Lower Upper

120 100

91 470.4 329.5 494.3



#74

2-Chlorotoluene

Concen: 2.102 ug/l

RT: 11.00 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU037131.D

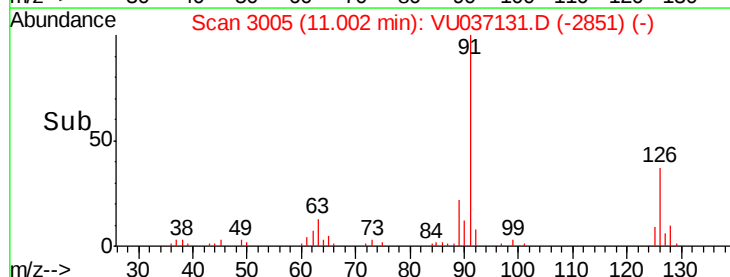
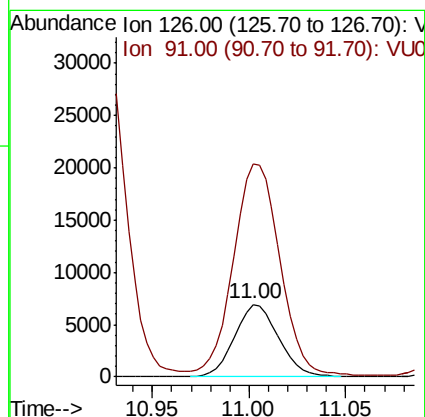
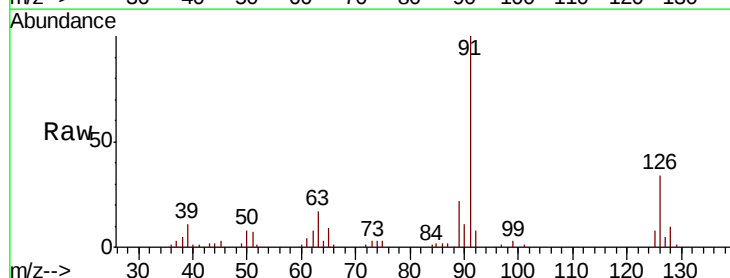
Acq: 09 Mar 2020 13:25

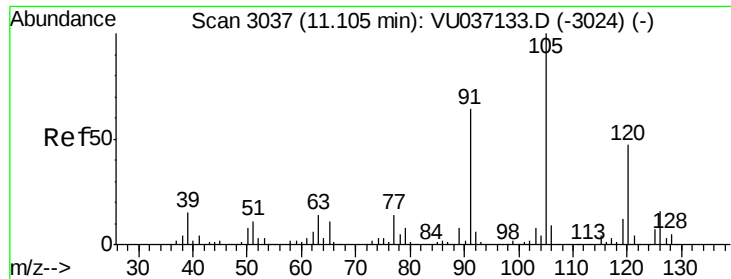
Tgt Ion:126 Resp: 10956

Ion Ratio Lower Upper

126 100

91 311.0 0.0 567.4





#75

1,3,5-Trimethylbenzene

Concen: 2.042 ug/l

RT: 11.10 min Scan# 3037

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

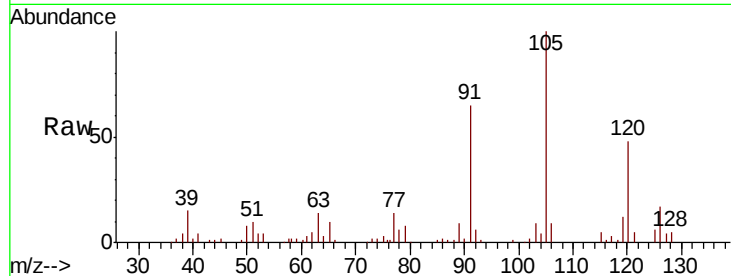
VSTDIC002

Tot Ion:105 Resp: 37885

Ion Ratio Lower Upper

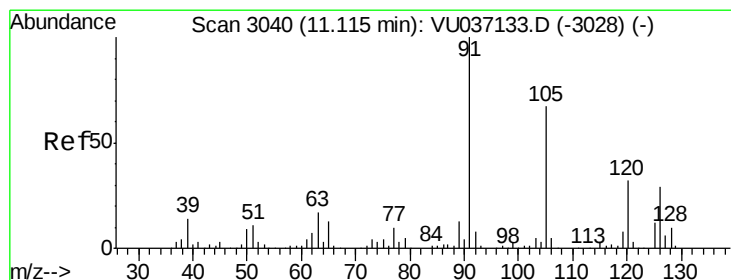
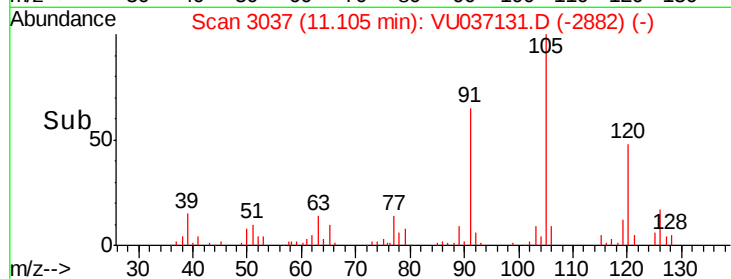
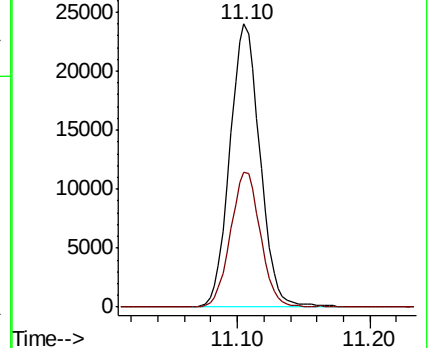
105 100

120 47.1 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: 2.072 ug/l

RT: 11.12 min Scan# 3041

Delta R.T. 0.00 min

Lab File: VU037131.D

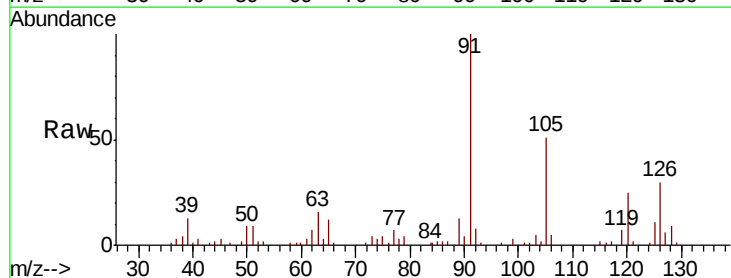
Acq: 09 Mar 2020 13:25

Tgt Ion:126 Resp: 11157

Ion Ratio Lower Upper

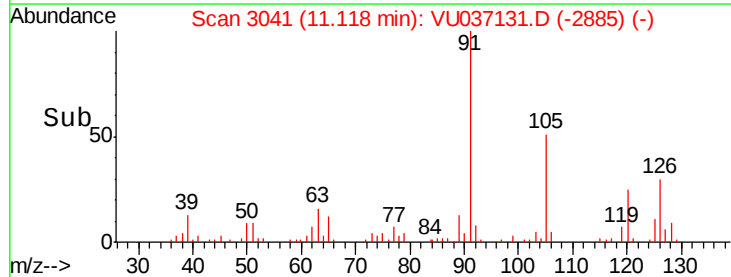
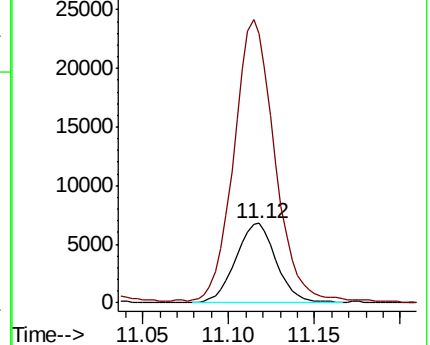
126 100

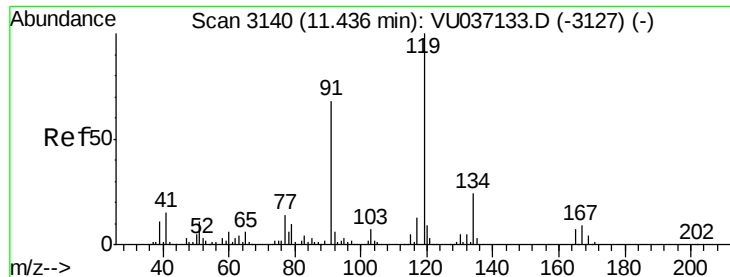
91 365.2 0.0 633.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 2.120 ug/l

RT: 11.44 min Scan# 3140

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

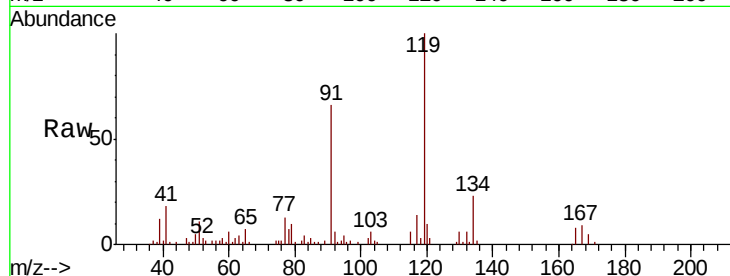
Tot Ion:119 Resp: 37268

Ion Ratio Lower Upper

119 100

91 63.4 29.3 87.8

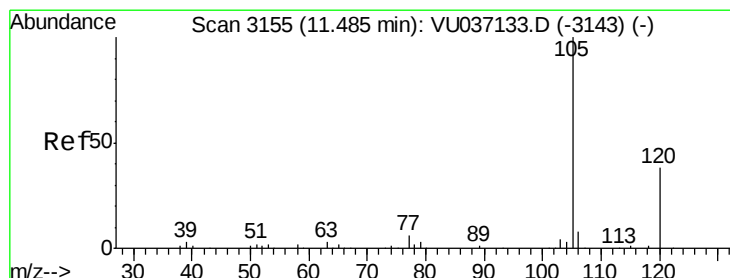
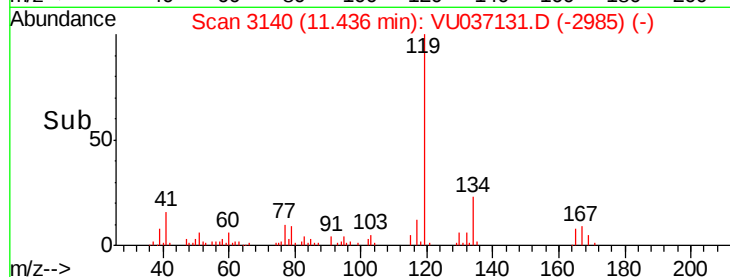
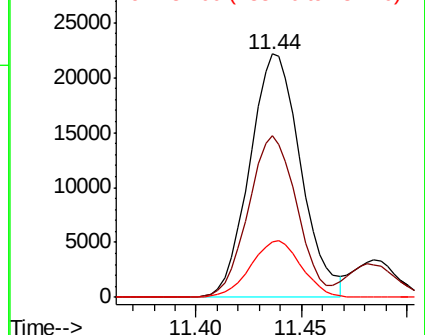
134 22.9 19.0 28.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 1.992 ug/l

RT: 11.48 min Scan# 3155

Delta R.T. -0.00 min

Lab File: VU037131.D

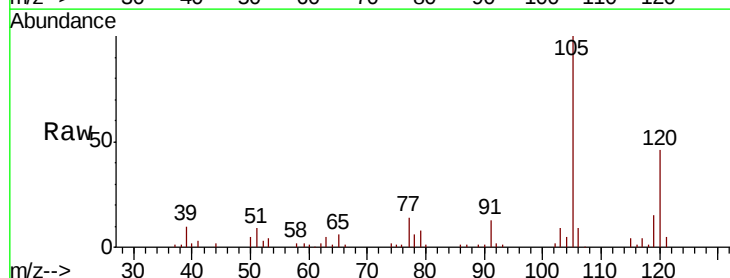
Acq: 09 Mar 2020 13:25

Tgt Ion:105 Resp: 38089

Ion Ratio Lower Upper

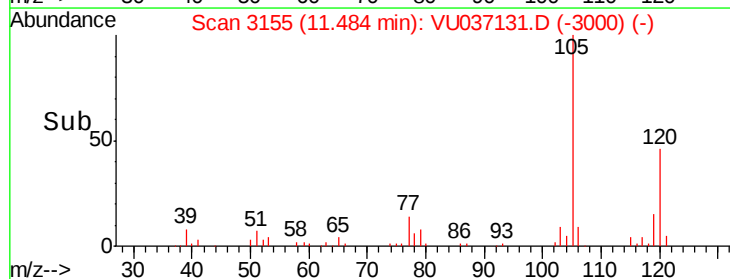
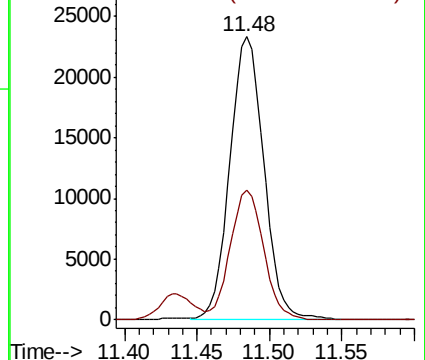
105 100

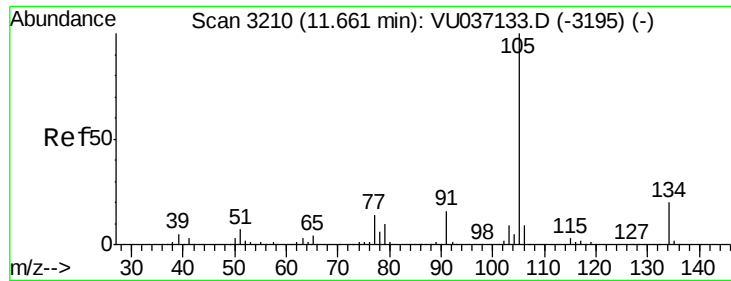
120 45.2 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

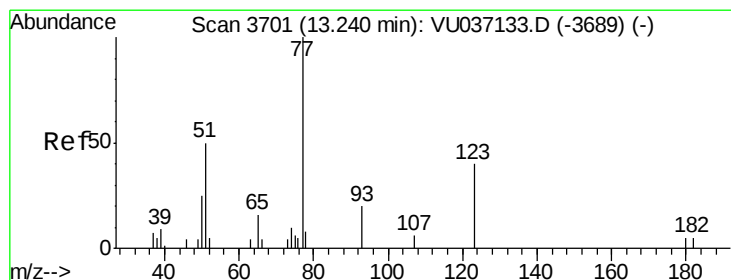
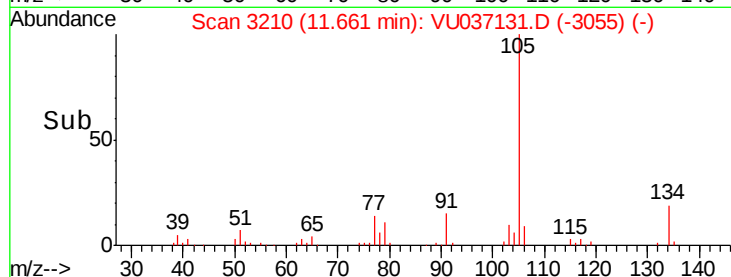
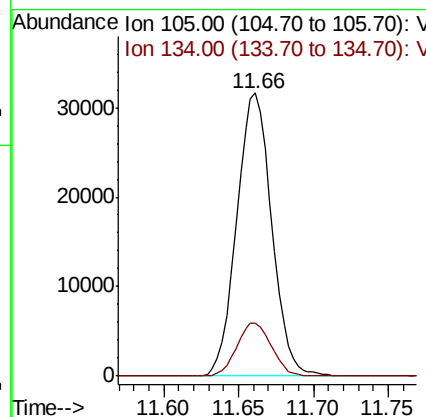
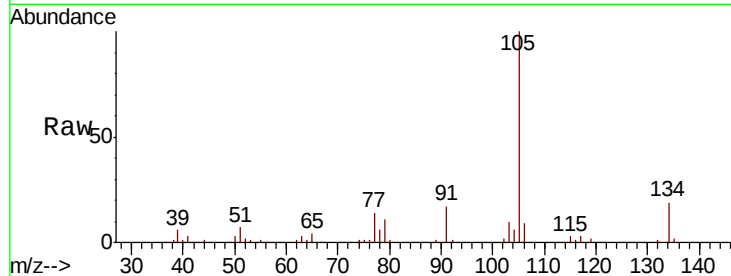




#79
 sec-Butylbenzene
 Concen: 2.110 ug/l
 RT: 11.66 min Scan# 3210
 Delta R.T. -0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

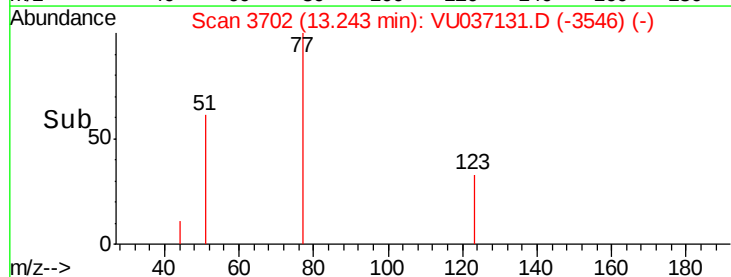
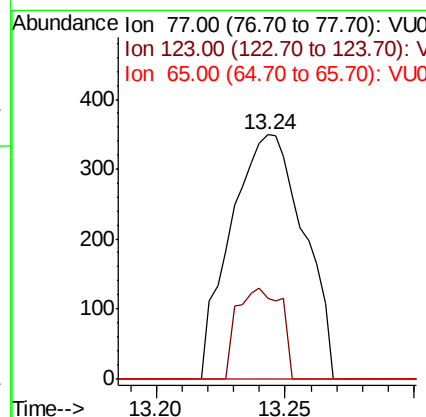
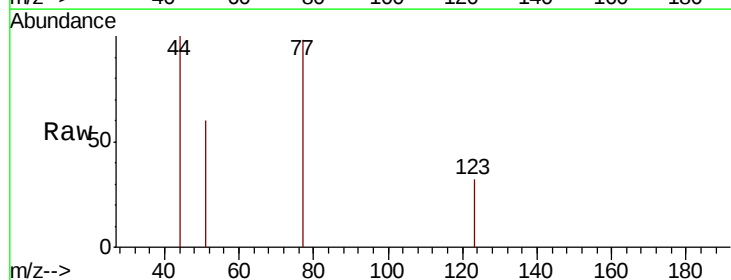
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

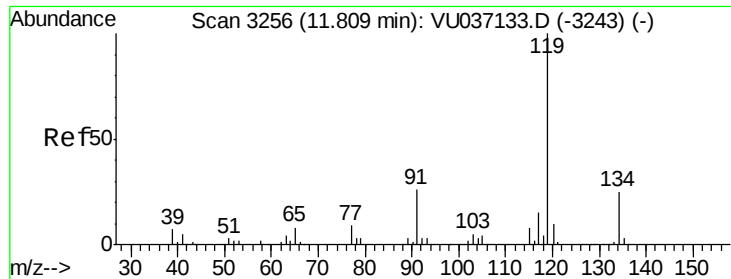
Tot Ion: 105 Resp: 51441
 Ion Ratio Lower Upper
 105 100
 134 18.7 16.0 24.0



#80
 Nitrobenzene
 Concen: 11.307 ug/l
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Tgt Ion: 77 Resp: 687
 Ion Ratio Lower Upper
 77 100
 123 22.6 19.6 69.6
 65 0.0 12.7 16.1#

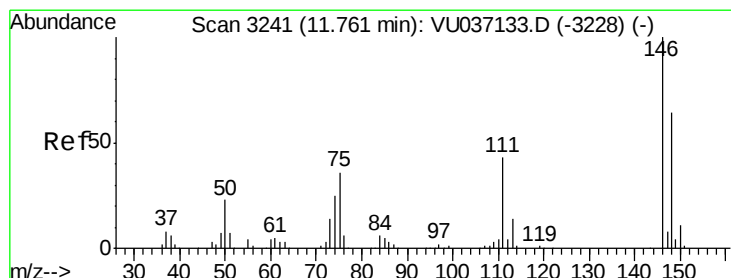
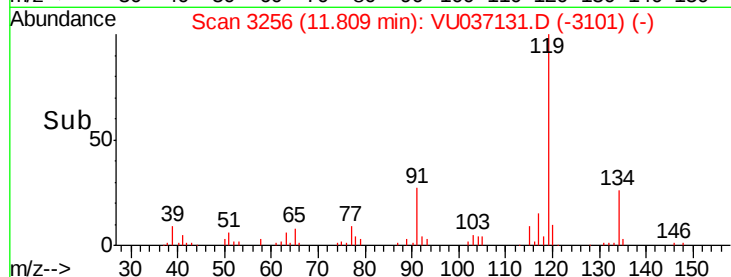
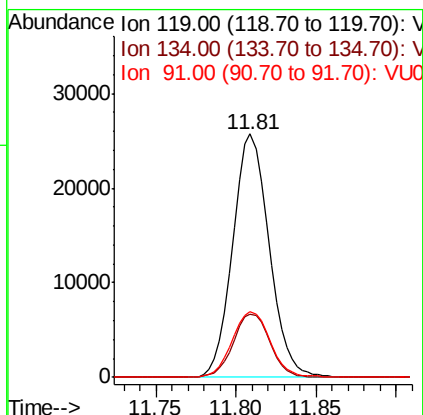
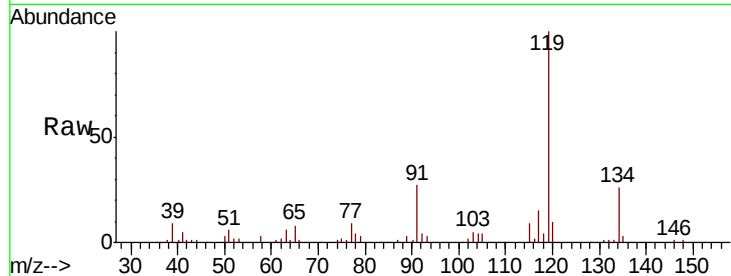




#81
 p-Isopropyltoluene
 Concen: 1.954 ug/l
 RT: 11.81 min Scan# 3256
 Delta R.T. -0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

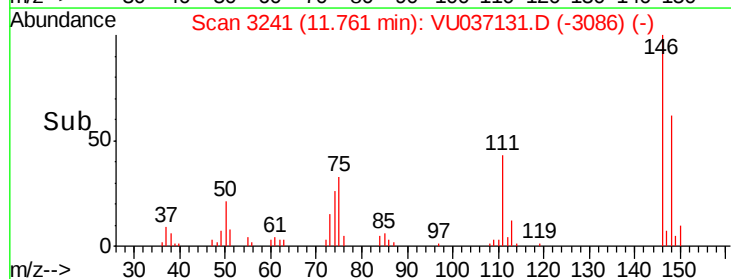
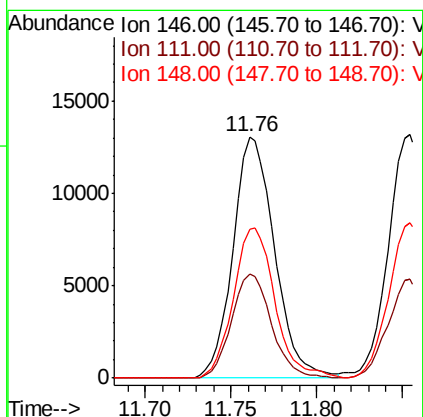
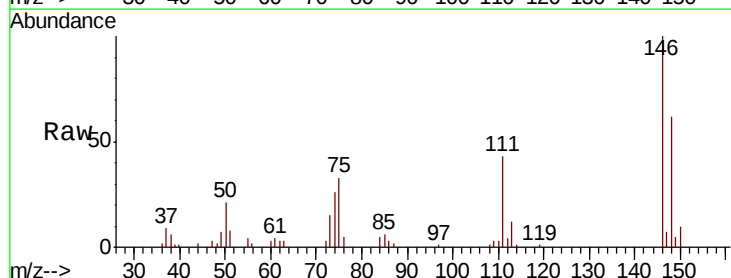
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

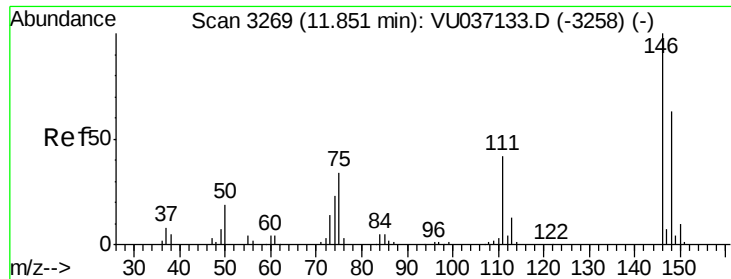
Tot Ion:119 Resp: 39834
 Ion Ratio Lower Upper
 119 100
 134 26.1 21.4 32.0
 91 28.1 18.3 27.5#



#82
 1,3-Dichlorobenzene
 Concen: 2.114 ug/l
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Tgt Ion:146 Resp: 22042
 Ion Ratio Lower Upper
 146 100
 111 41.3 32.2 48.2
 148 62.0 51.4 77.2

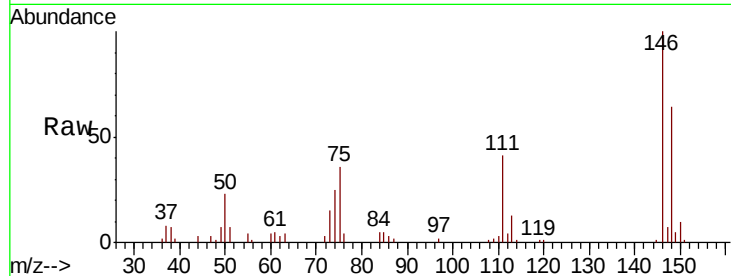




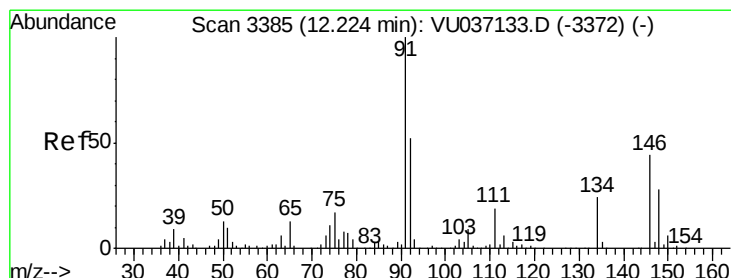
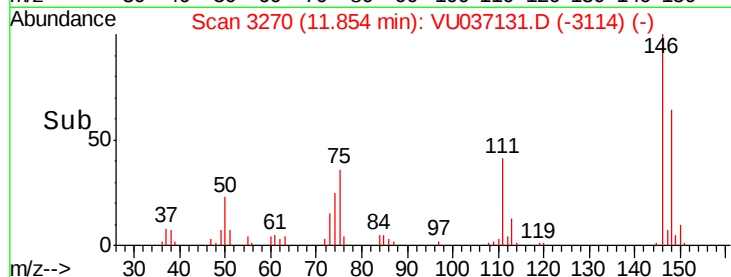
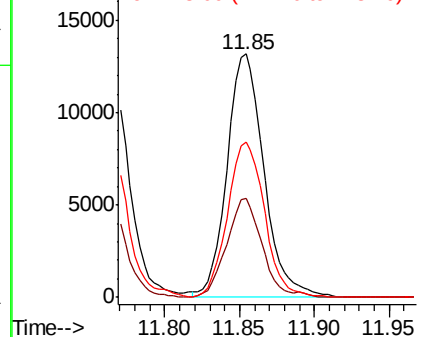
#83
 1,4-Dichlorobenzene
 Concen: 2.175 ug/l
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion:146 Resp: 22660
 Ion Ratio Lower Upper
 146 100
 111 39.1 30.5 45.7
 148 63.8 51.0 76.4

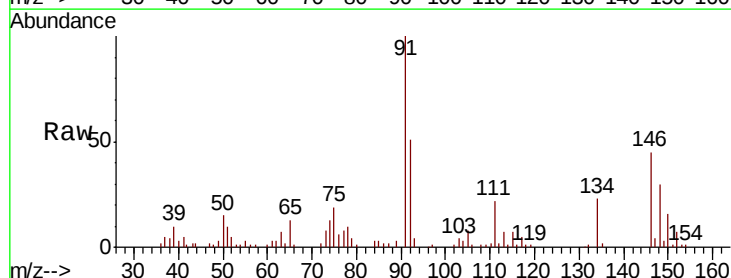


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

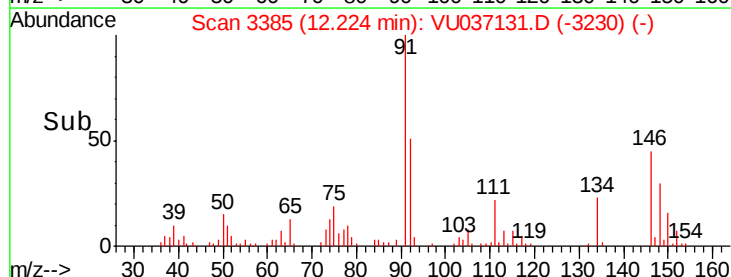
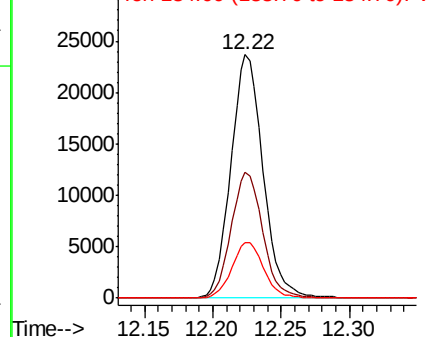


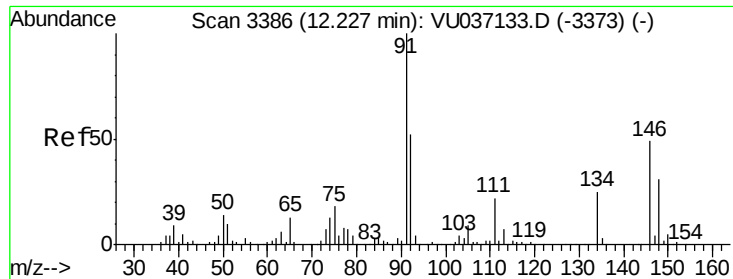
#84
 n-Butylbenzene
 Concen: 2.054 ug/l
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Tgt Ion: 91 Resp: 38724
 Ion Ratio Lower Upper
 91 100
 92 50.7 42.9 64.3
 134 22.6 21.4 32.0



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0
 Ion 134.00 (133.70 to 134.70): V

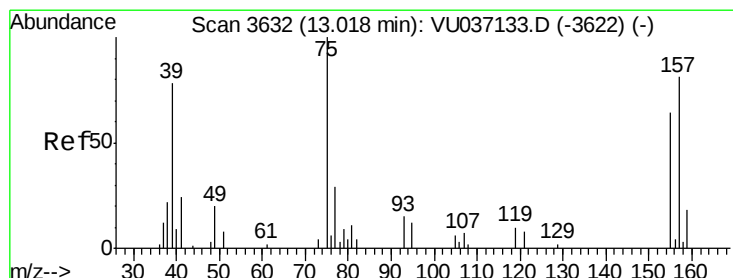
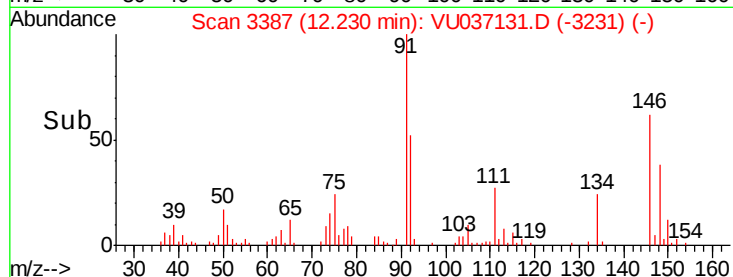
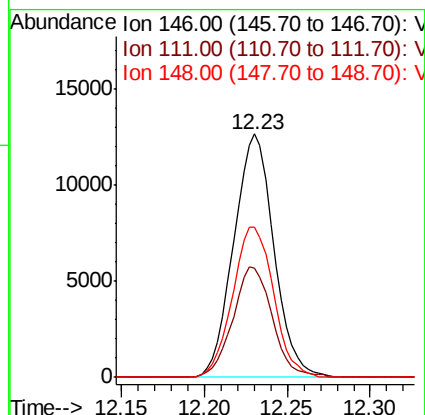
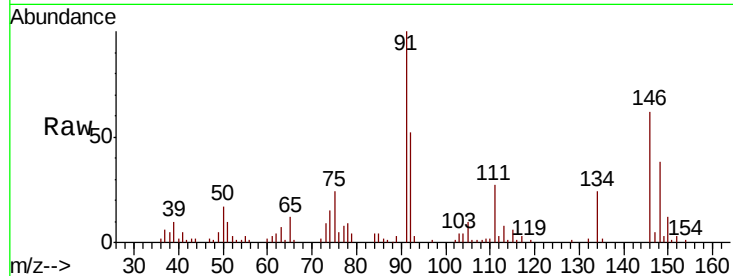




#85
 1,2-Dichlorobenzene
 Concen: 2.134 ug/l
 RT: 12.23 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

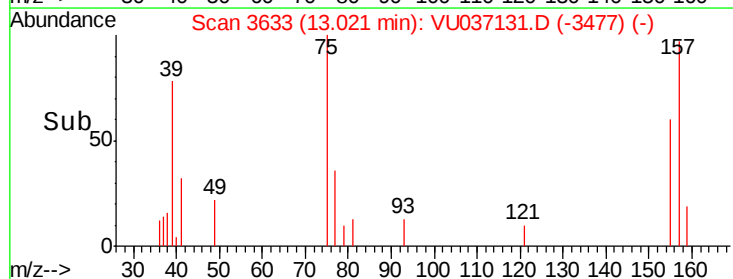
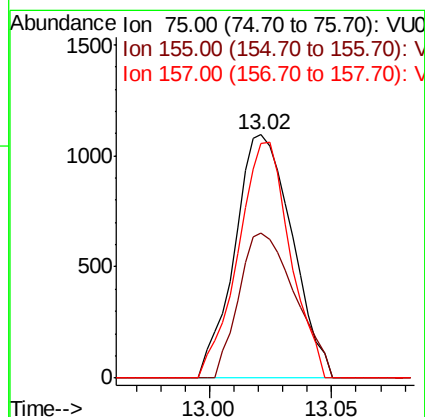
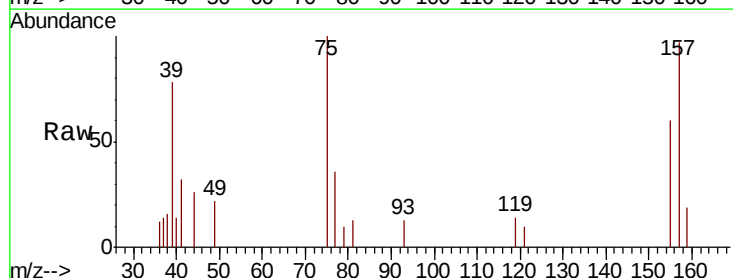
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

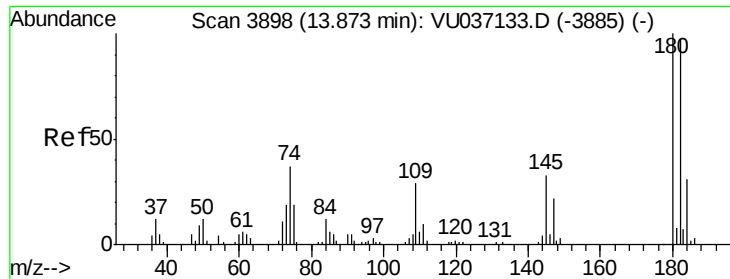
Tot Ion:146 Resp: 21290
 Ion Ratio Lower Upper
 146 100
 111 44.6 20.8 62.4
 148 62.8 32.0 96.2



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 2.495 ug/l
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Tgt Ion: 75 Resp: 1788
 Ion Ratio Lower Upper
 75 100
 155 58.4 71.8 107.8#
 157 87.9 92.4 138.6#





#87

1,2,4-Trichlorobenzene

Concen: 1.566 ug/l

RT: 13.87 min Scan# 3898

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

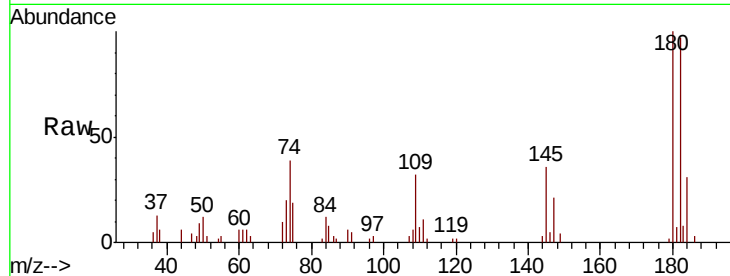
Tot Ion:180 Resp: 9990

Ion Ratio Lower Upper

180 100

182 95.5 75.9 113.9

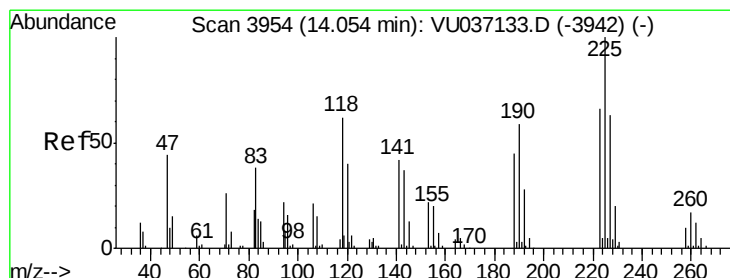
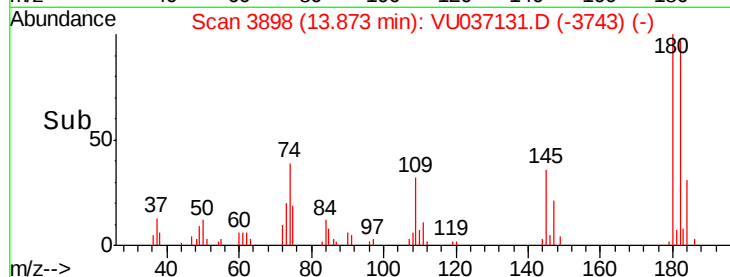
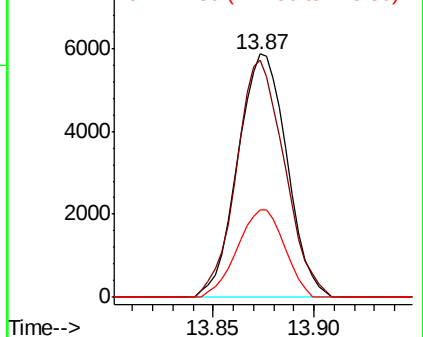
145 34.5 23.4 35.2



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88

Hexachlorobutadiene

Concen: 1.865 ug/l

RT: 14.05 min Scan# 3954

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

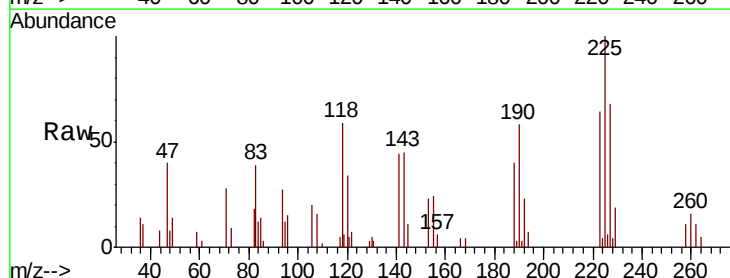
Tgt Ion:225 Resp: 6524

Ion Ratio Lower Upper

225 100

223 64.3 51.7 77.5

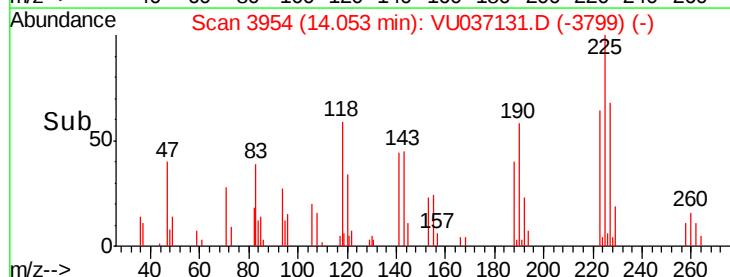
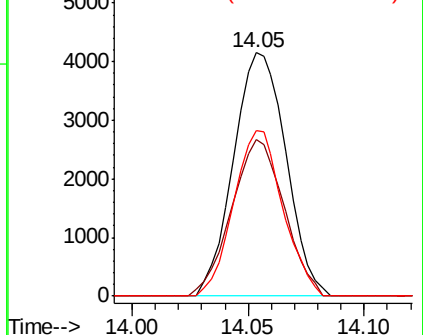
227 63.7 50.6 75.8

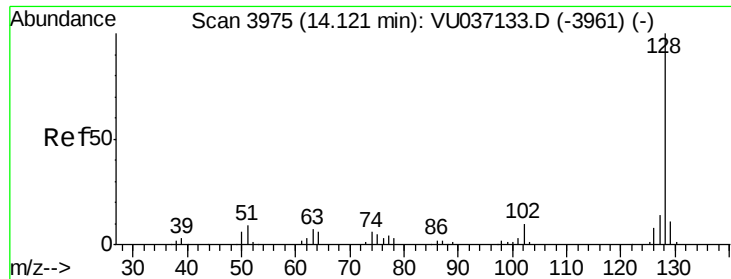


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 1.412 ug/l

RT: 14.12 min Scan# 3976

Delta R.T. 0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

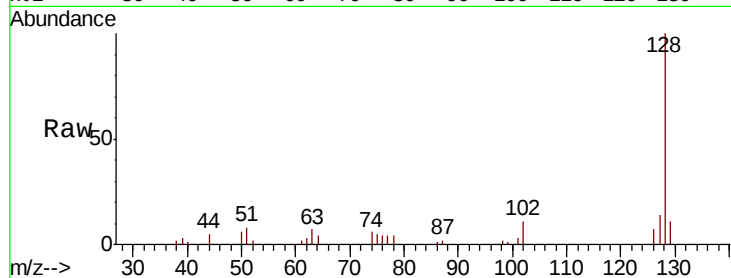
Tot Ion:128 Resp: 15520

Ion Ratio Lower Upper

128 100

127 12.0 10.5 15.7

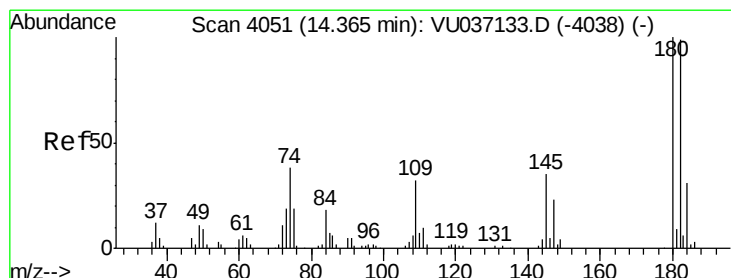
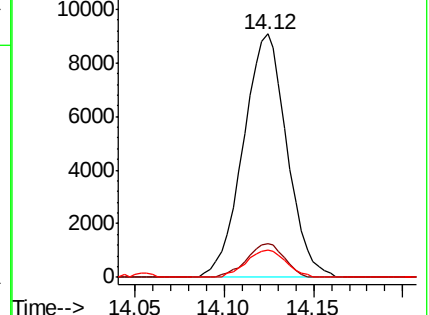
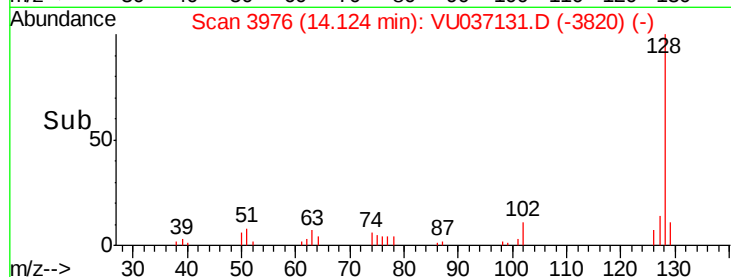
129 10.1 8.7 13.1



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: 1.651 ug/l

RT: 14.37 min Scan# 4052

Delta R.T. 0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

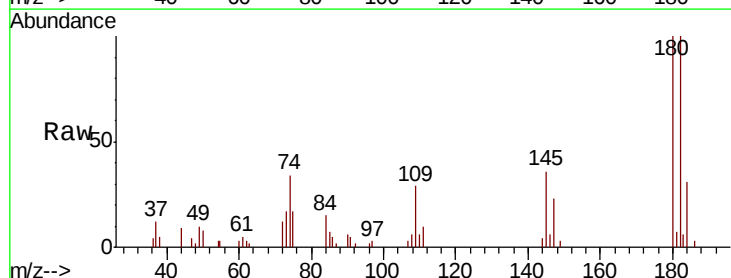
Tgt Ion:180 Resp: 9907

Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.4

145 36.9 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

