

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030920\
 Data File : VU037129.D
 Acq On : 09 Mar 2020 12:23
 Operator : JC/MD
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Quant Time: Mar 09 15:29:50 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	16467	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.65	95	5527	0.89	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	5845	0.92	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	4202	0.772	ug/l 99
3) Chloromethane	1.54	50	4266	0.731	ug/l 97
4) Vinyl Chloride	1.62	62	3635	0.550	ug/l 96
5) Bromomethane	1.88	94	1516	0.369	ug/l 92
6) Chloroethane	1.95	64	1838	0.469	ug/l 96
7) Trichlorofluoromethane	2.16	101	4459	0.683	ug/l 93
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	1907	0.469	ug/l # 90
9) 1,1-Dichloroethene	2.61	96	2121	0.490	ug/l 84
12) Acrylonitrile	3.36	53	931	0.877	ug/l # 74
13) Acetone	2.67	43	2871	3.316	ug/l # 60
14) Carbon Disulfide	2.82	76	6796	0.453	ug/l 96
15) Methylene Chloride	3.08	84	2893	0.507	ug/l # 79
16) trans-1,2-Dichloroethene	3.38	96	2074	0.434	ug/l # 74
17) 1,1-Dichloroethane	3.91	63	5121	0.658	ug/l # 94
18) 2-Butanone	4.78	43	4247	3.724	ug/l 98
19) Cyclohexane	5.42	56	3596	0.505	ug/l 99
20) Methylcyclohexane	6.79	83	3896	0.490	ug/l # 85
21) 2,2-Dichloropropane	4.70	77	4593	0.691	ug/l 91
22) cis-1,2-Dichloroethene	4.71	96	2247	0.453	ug/l 55
23) Diethyl Ether	2.40	59	1764	0.527	ug/l 88
25) Methyl tert-Butyl Ether	3.41	73	5937	0.523	ug/l # 59
26) Bromochloromethane	5.02	128	1133	0.528	ug/l 76
27) Chloroform	5.13	83	5822	0.756	ug/l 97
28) 1,1,1-Trichloroethane	5.35	97	4367	0.676	ug/l 95
29) 1,1-Dichloropropene	5.56	75	3529	0.560	ug/l 94
30) Carbon Tetrachloride	5.56	117	3962	0.717	ug/l 91
31) Isopropyl Ether	4.05	45	7842	0.664	ug/l 83
32) Ethyl-t-butyl ether	4.56	59	7367	0.596	ug/l 87
33) Tert-Amyl methyl ether	5.99	73	6086	0.538	ug/l 99
34) Propionitrile	4.85	54	511	1.555	ug/l # 77
35) Benzene	5.81	78	10393	0.570	ug/l 96
36) 1,2-Dichloroethane	5.84	62	4060	0.827	ug/l # 89
37) Trichloroethene	6.57	130	2762	0.548	ug/l 92
38) 1,2-Dichloropropane	6.83	63	2905	0.633	ug/l 96
39) Methacrylonitrile	5.03	41	1014	0.734	ug/l # 58
40) Methyl acrylate	4.91	55	1147	0.524	ug/l # 62
41) Tetrahydrofuran	5.12	42	984	1.307	ug/l # 65
42) 1-Chlorobutane	5.50	56	5163	0.632	ug/l 76
43) Dibromomethane	6.95	93	1408	0.588	ug/l 92
44) Bromodichloromethane	7.14	83	3933	0.694	ug/l # 97
45) 4-Methyl-2-Pentanone	7.83	43	9888	3.665	ug/l # 85

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030920\
 Data File : VU037129.D
 Acq On : 09 Mar 2020 12:23
 Operator : JC/MD
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

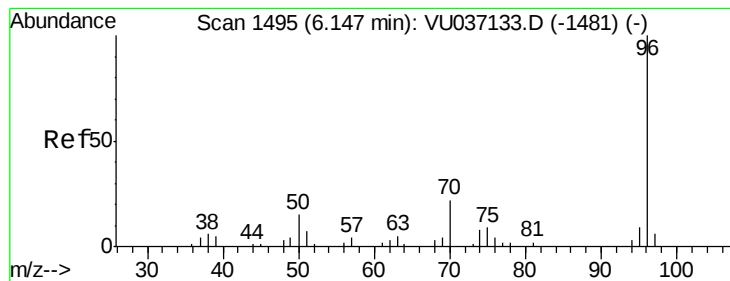
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Quant Time: Mar 09 15:29:50 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)

46) t-1,4-Dichloro-2-butene	10.84	75	3061	2.576	ug/l #	61
47) Methyl methacrylate	7.00	69	2036	0.868	ug/l #	56
48) Ethyl methacrylate	8.37	69	2261	0.499	ug/l	74
49) Toluene	8.00	92	5930	0.509	ug/l	97
50) t-1,3-Dichloropropene	8.24	75	3212	0.569	ug/l	92
51) cis-1,3-Dichloropropene	7.64	75	3709	0.542	ug/l #	78
52) 1,1,2-Trichloroethane	8.43	97	1835	0.540	ug/l	97
53) 1,3-Dichloropropane	8.61	76	3455	0.593	ug/l	99
54) 2-Hexanone	8.73	43	6457	3.413	ug/l	84
55) Dibromochloromethane	8.84	129	2449	0.626	ug/l	97
56) 1,2-Dibromoethane	8.95	107	1719	0.525	ug/l	98
58) Tetrachloroethene	8.57	164	2617	0.520	ug/l	90
59) Chlorobenzene	9.47	112	7095	0.547	ug/l	94
60) 1,1,1,2-Tetrachloroethane	9.56	131	2373	0.573	ug/l	98
61) Pentachloroethane	11.45	117	1873	0.701	ug/l	83
62) Hexachloroethane	12.49	117	1874	0.550	ug/l	88
63) Ethyl Benzene	9.59	91	10821	0.498	ug/l	96
64) m/p-Xylenes	9.72	106	8015	0.931	ug/l	88
65) o-Xylene	10.12	106	3867	0.464	ug/l	94
66) Styrene	10.14	104	5931	0.425	ug/l	95
67) Bromoform	10.31	173	1104	0.493	ug/l #	88
69) Isopropylbenzene	10.50	105	10571	0.483	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.80	83	2264	0.528	ug/l	89
71) 1,2,3-Trichloropropane	10.84	75	3061	1.001	ug/l #	43
72) Bromobenzene	10.81	156	2702	0.512	ug/l	94
73) n-propylbenzene	10.92	120	2630	0.428	ug/l #	65
74) 2-Chlorotoluene	11.01	126	2557	0.485	ug/l	81
75) 1,3,5-Trimethylbenzene	11.11	105	8443	0.450	ug/l	96
76) 4-Chlorotoluene	11.11	126	2350	0.431	ug/l	65
77) tert-Butylbenzene	11.44	119	9229	0.519	ug/l	98
78) 1,2,4-Trimethylbenzene	11.48	105	8535	0.441	ug/l	95
79) sec-Butylbenzene	11.66	105	12169	0.493	ug/l	94
81) p-Isopropyltoluene	11.81	119	8644	0.419	ug/l	96
82) 1,3-Dichlorobenzene	11.77	146	5167	0.490	ug/l	95
83) 1,4-Dichlorobenzene	11.85	146	5440	0.516	ug/l	98
84) n-Butylbenzene	12.23	91	7692	0.403	ug/l #	95
85) 1,2-Dichlorobenzene	12.23	146	5391	0.534	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	13.02	75	254	0.350	ug/l	90
87) 1,2,4-Trichlorobenzene	13.88	180	2025	0.313	ug/l	95
88) Hexachlorobutadiene	14.06	225	1745	0.493	ug/l #	86
89) Naphthalene	14.13	128	3332	0.299	ug/l	98
90) 1,2,3-Trichlorobenzene	14.37	180	2090	0.344	ug/l	91

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 96 Resp: 16467

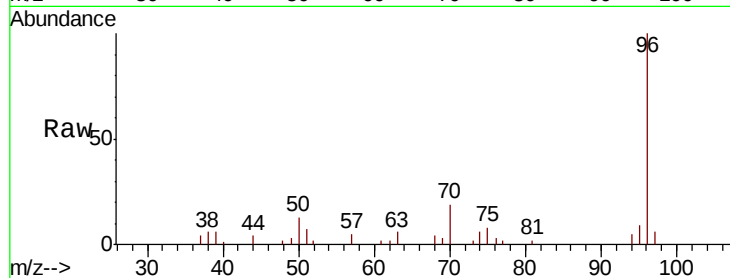
Ion Ratio Lower Upper

96 100

70 20.1 15.6 23.4

95 8.7 7.0 10.6

97 5.4 0.0 0.0#

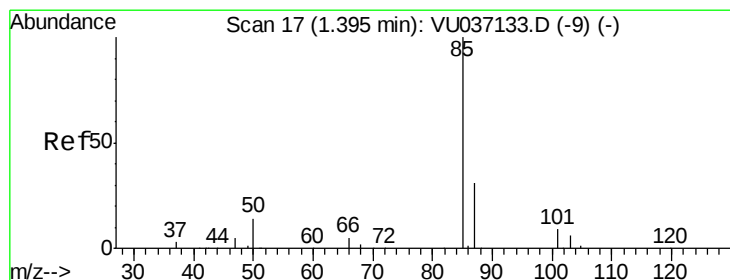
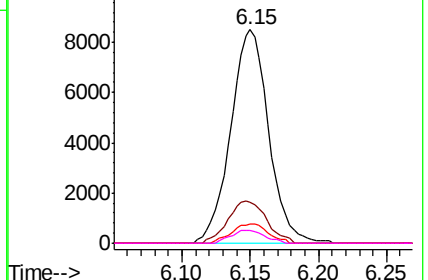
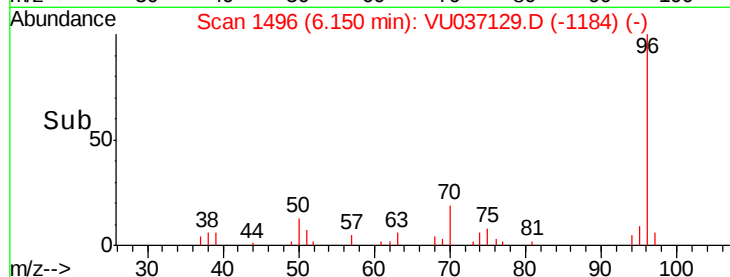


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 0.772 ug/l

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037129.D

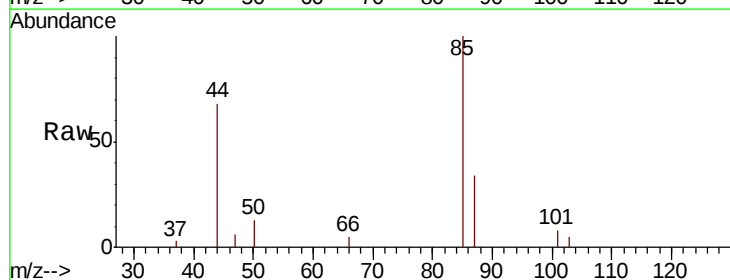
Acq: 09 Mar 2020 12:23

Tgt Ion: 85 Resp: 4202

Ion Ratio Lower Upper

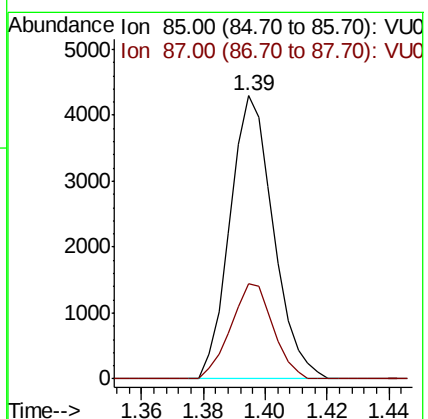
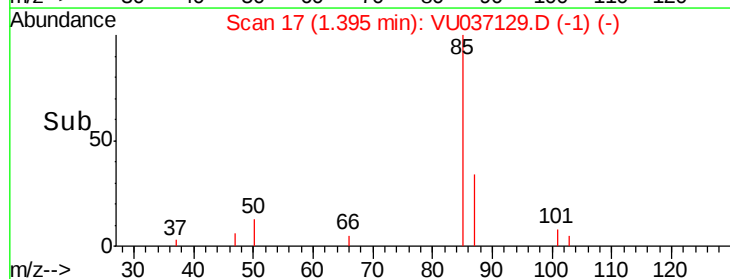
85 100

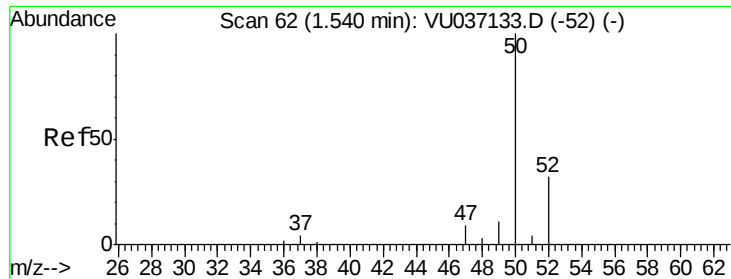
87 33.6 16.4 49.2



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

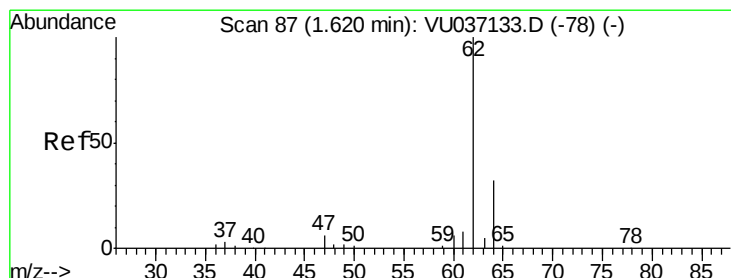
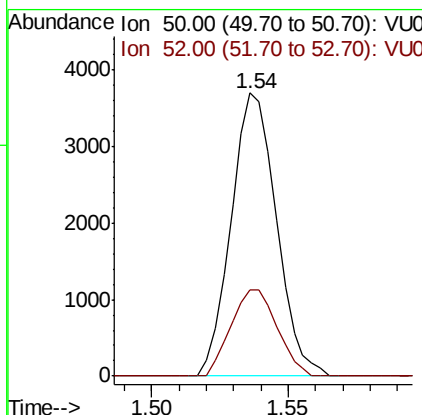
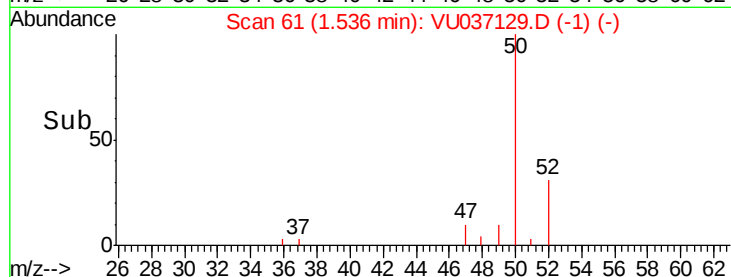
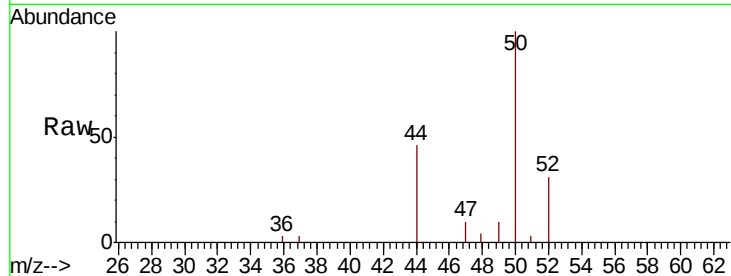




#3
 Chloromethane
 Concen: 0.731 ug/l
 RT: 1.54 min Scan# 61
 Delta R.T. -0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

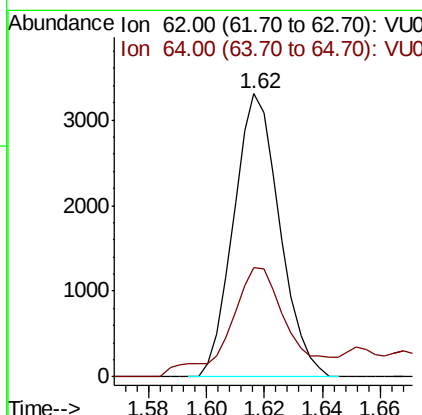
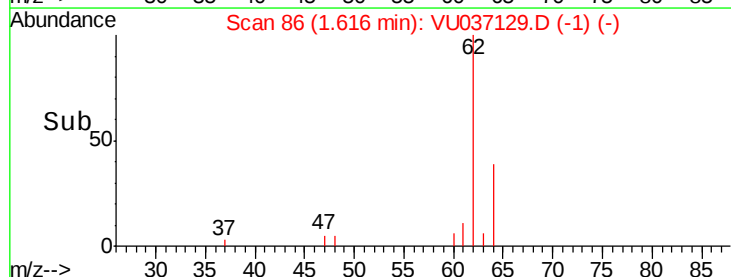
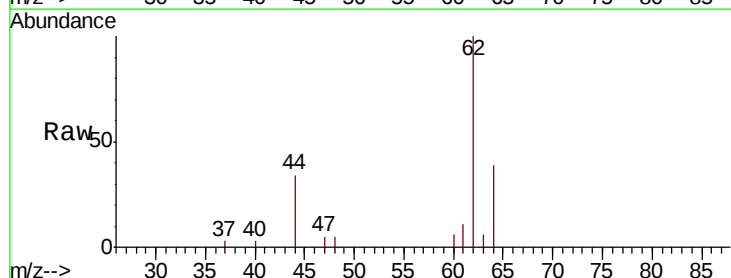
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

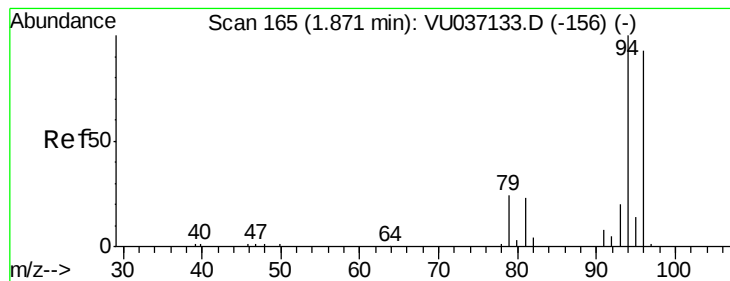
Tot Ion: 50 Resp: 4266
 Ion Ratio Lower Upper
 50 100
 52 30.6 26.0 39.0



#4
 Vinyl Chloride
 Concen: 0.550 ug/l
 RT: 1.62 min Scan# 86
 Delta R.T. -0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion: 62 Resp: 3635
 Ion Ratio Lower Upper
 62 100
 64 34.0 25.4 38.2





#5

Bromomethane

Concen: 0.369 ug/l

RT: 1.88 min Scan# 167

Delta R.T. 0.01 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

ClientSampleId :

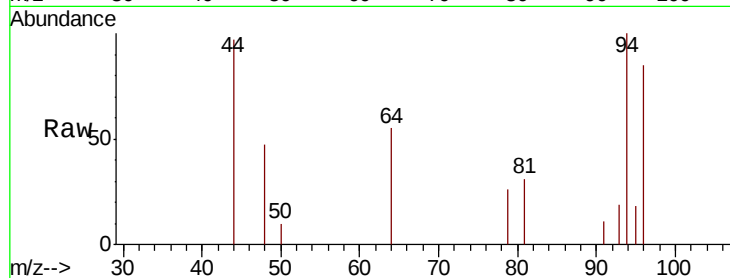
VSTDIC0.5

Tot Ion: 94 Resp: 1516

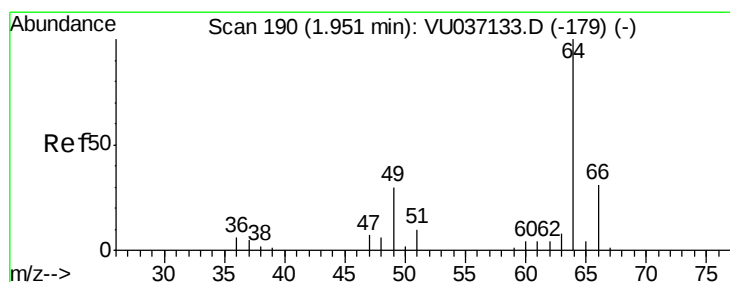
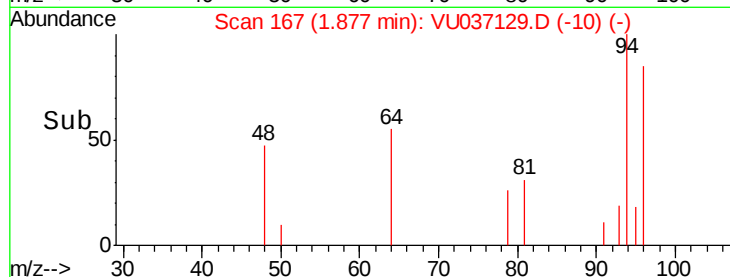
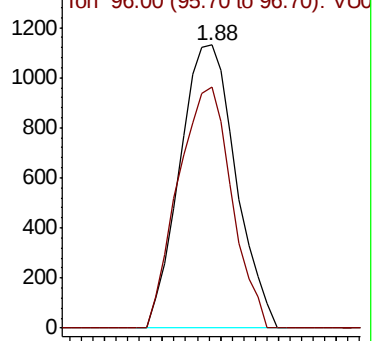
Ion Ratio Lower Upper

94 100

96 85.3 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VU037129.D (-156) (-)



#6

Chloroethane

Concen: 0.469 ug/l

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU037129.D

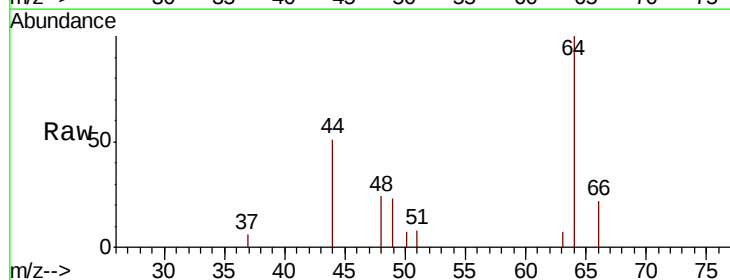
Acq: 09 Mar 2020 12:23

Tgt Ion: 64 Resp: 1838

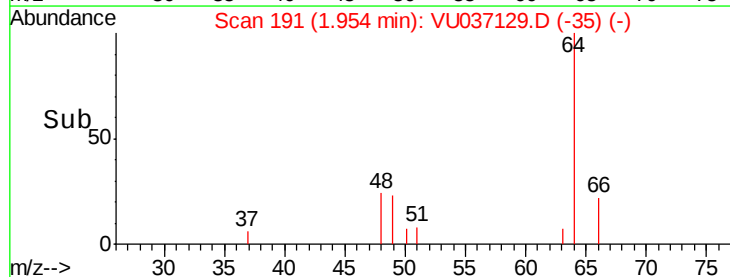
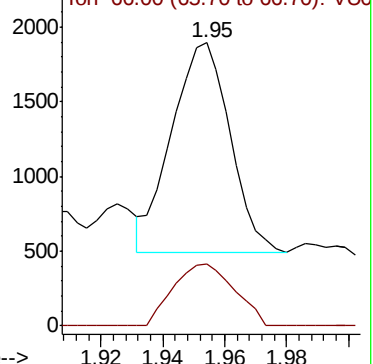
Ion Ratio Lower Upper

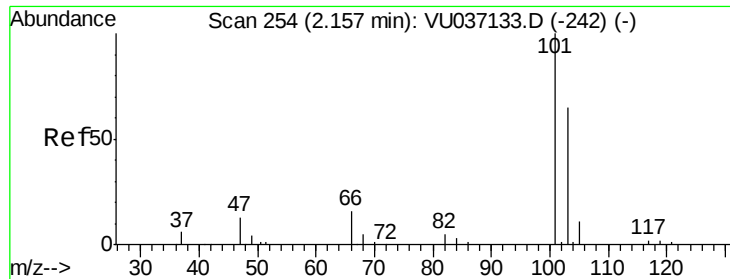
64 100

66 29.7 25.5 38.3



Abundance Ion 64.00 (63.70 to 64.70): VU037129.D (-179) (-)



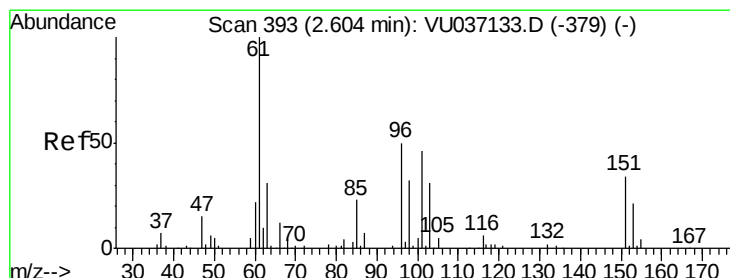
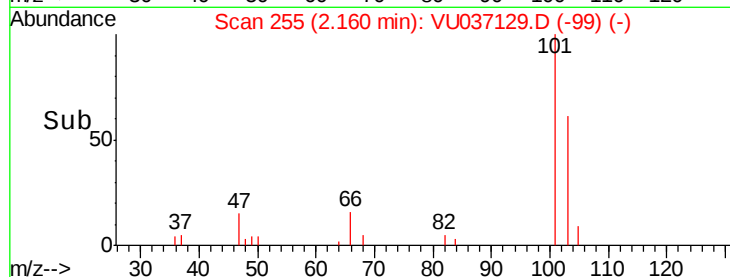
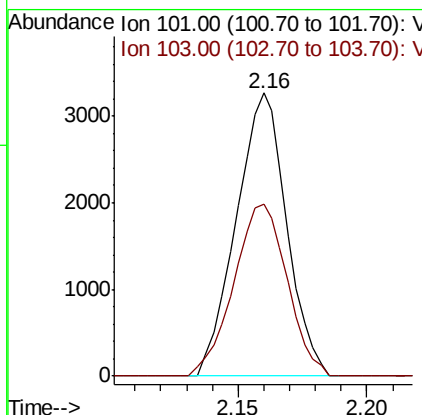
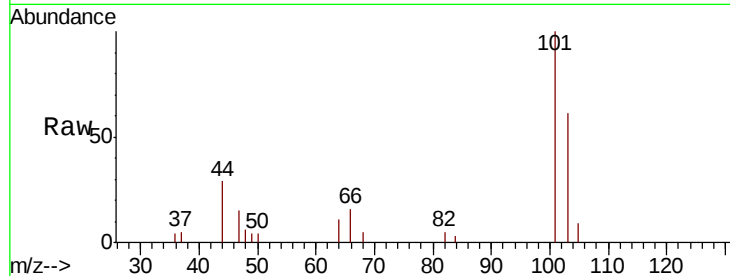


#7

Trichlorofluoromethane
 Concen: 0.683 ug/l
 RT: 2.16 min Scan# 255
 Delta R.T. 0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

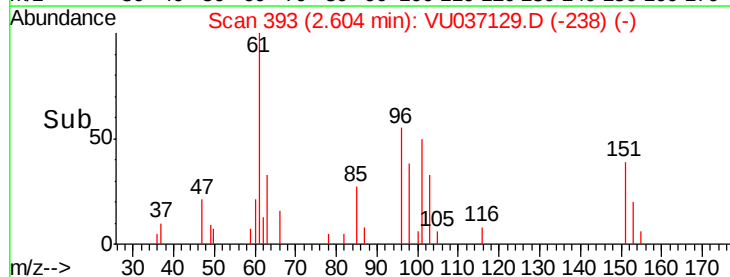
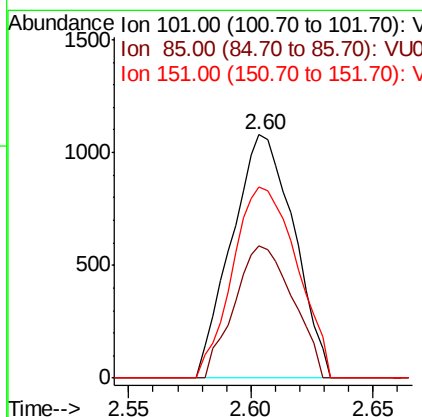
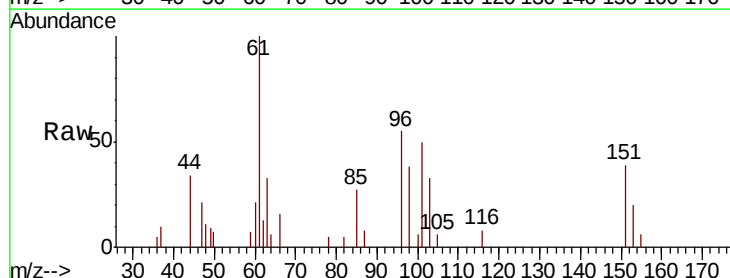
Tot Ion:101 Resp: 4459
 Ion Ratio Lower Upper
 101 100
 103 60.8 53.0 79.6

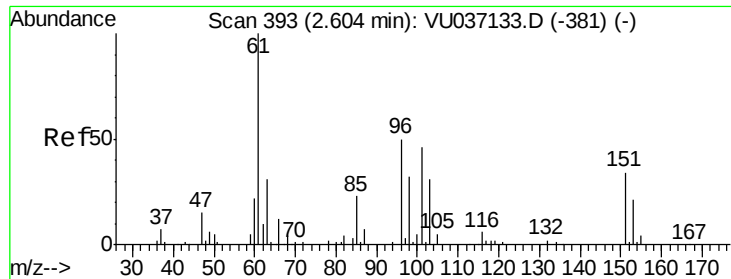


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.469 ug/l
 RT: 2.60 min Scan# 393
 Delta R.T. -0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion:101 Resp: 1907
 Ion Ratio Lower Upper
 101 100
 85 51.3 33.9 50.9#
 151 81.1 59.8 89.8





#9

1,1-Dichloroethene

Concen: 0.490 ug/l

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

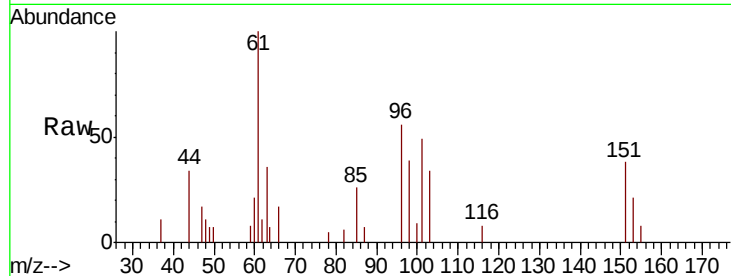
Tot Ion: 96 Resp: 2121

Ion Ratio Lower Upper

96 100

61 179.9 0.0 463.2

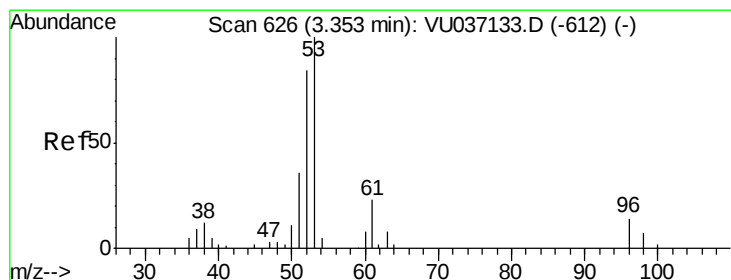
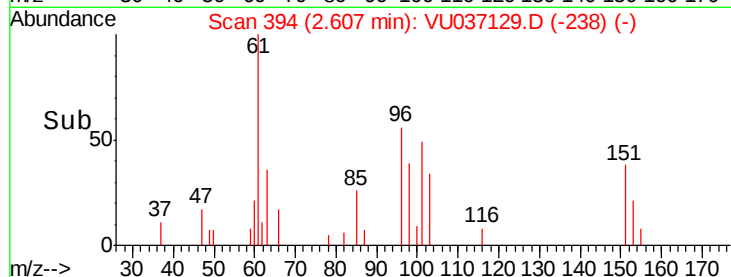
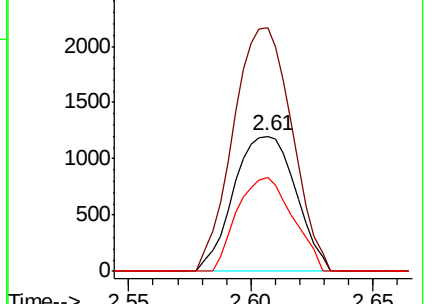
98 69.7 0.0 130.0



Abundance Ion 96.00 (95.70 to 96.70): VU037129.D (-381) (-)

Ion 61.00 (60.70 to 61.70): VU037129.D (-381) (-)

Ion 98.00 (97.70 to 98.70): VU037129.D (-381) (-)



#12

Acrylonitrile

Concen: 0.877 ug/l

RT: 3.36 min Scan# 629

Delta R.T. 0.01 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

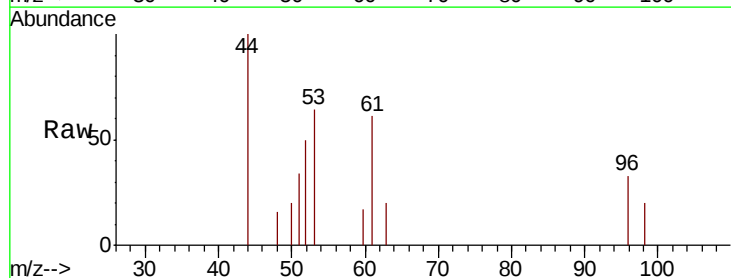
Tgt Ion: 53 Resp: 931

Ion Ratio Lower Upper

53 100

52 112.1 64.6 97.0#

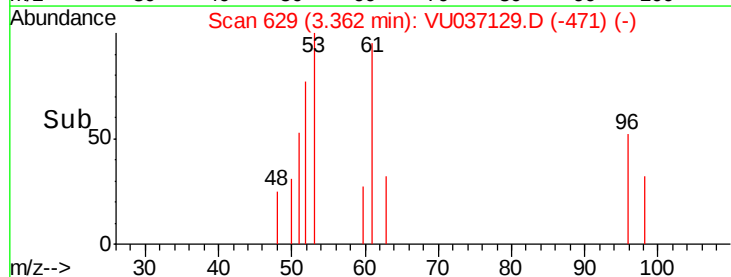
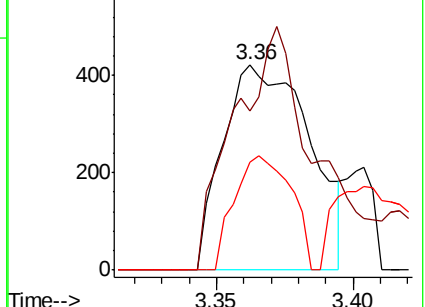
51 36.5 27.2 40.8

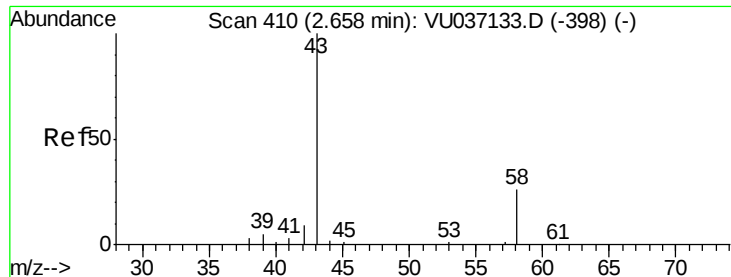


Abundance Ion 53.00 (52.70 to 53.70): VU037129.D (-612) (-)

Ion 52.00 (51.70 to 52.70): VU037129.D (-612) (-)

Ion 51.00 (50.70 to 51.70): VU037129.D (-612) (-)





#13

Acetone

Concen: 3.316 ug/l

RT: 2.67 min Scan# 415

Delta R.T. 0.02 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

ClientSampleId :

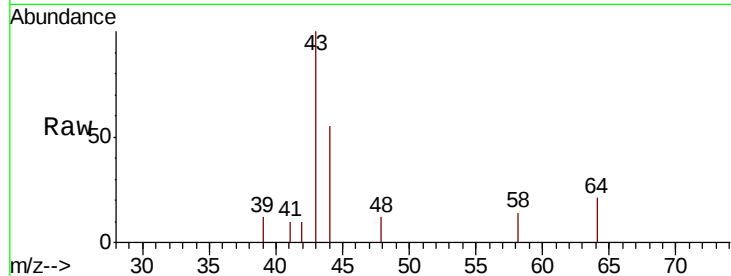
VSTDIC0.5

Tot Ion: 43 Resp: 2871

Ion Ratio Lower Upper

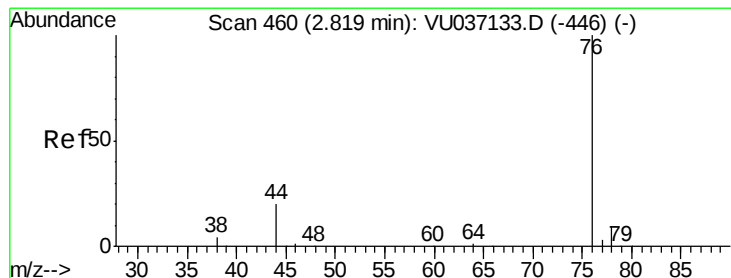
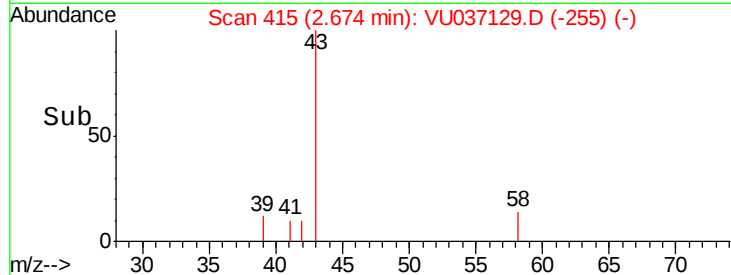
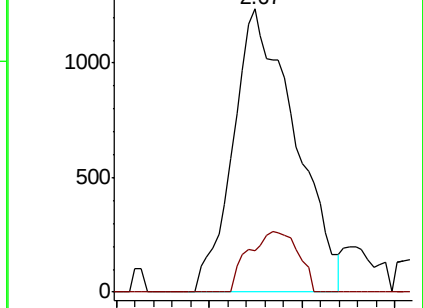
43 100

58 14.5 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VU037129.D (-255) (-)

Ion 58.00 (57.70 to 58.70): VU037129.D (-255) (-)



#14

Carbon Disulfide

Concen: 0.453 ug/l

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037129.D

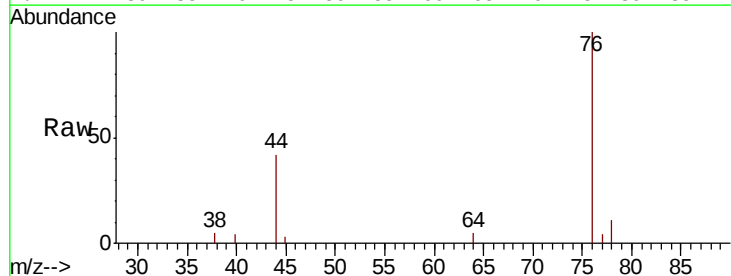
Acq: 09 Mar 2020 12:23

Tgt Ion: 76 Resp: 6796

Ion Ratio Lower Upper

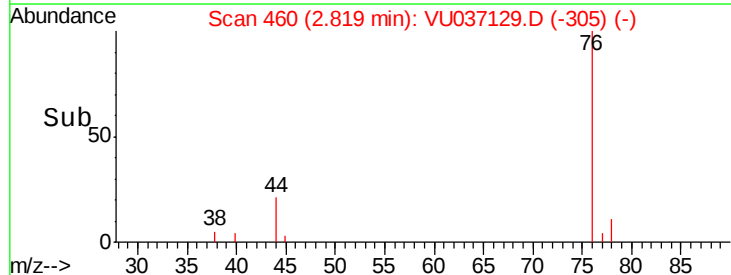
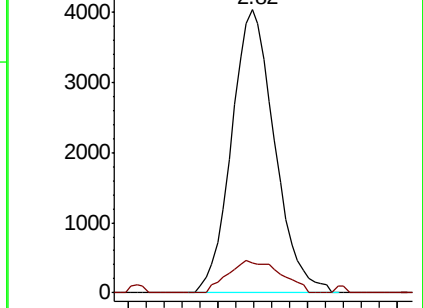
76 100

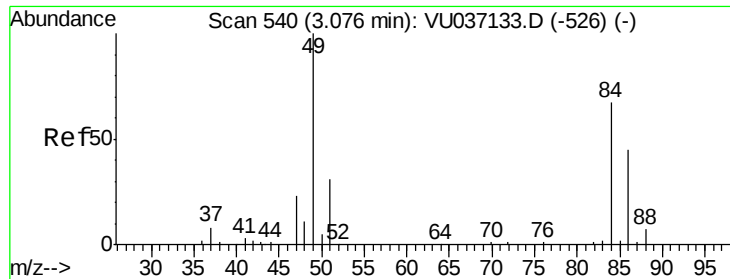
78 10.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU037129.D (-305) (-)

Ion 78.00 (77.70 to 78.70): VU037129.D (-305) (-)

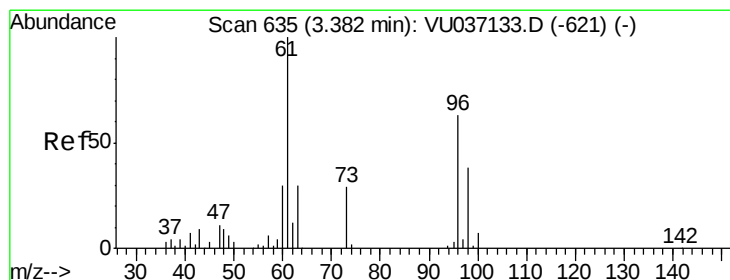
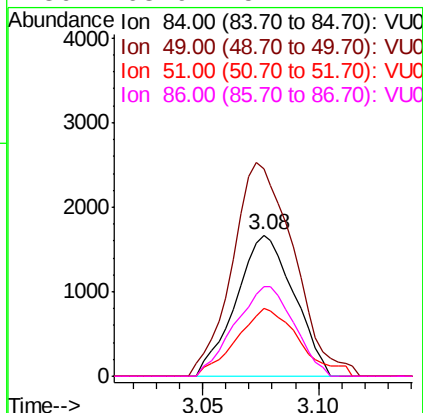
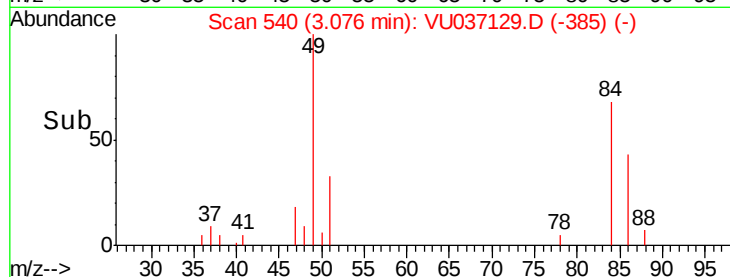
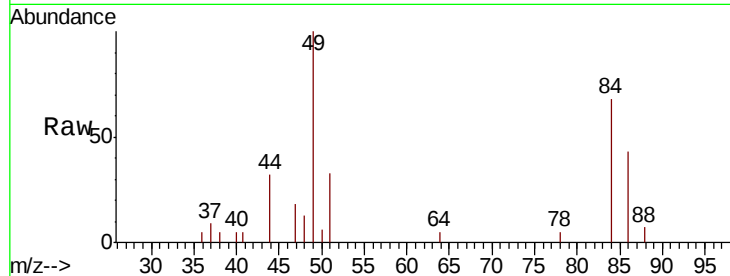




#15
Methvlene Chloride
Concen: 0.507 ug/l
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

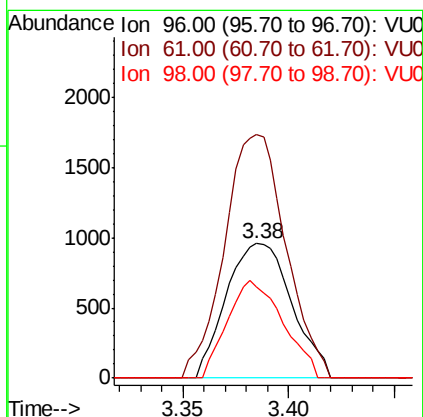
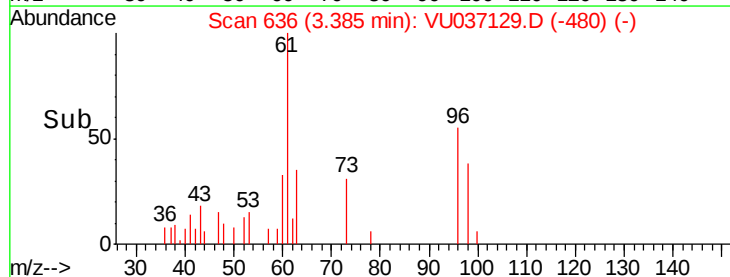
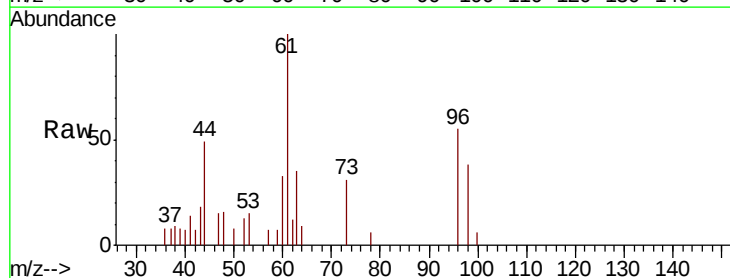
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

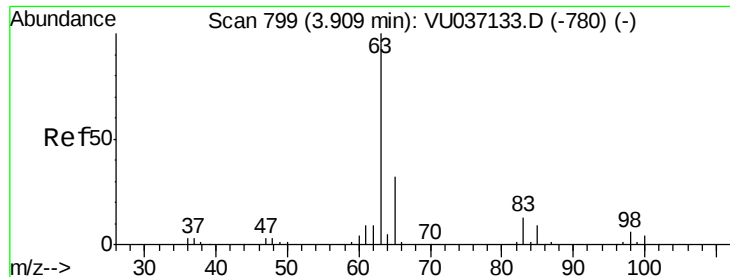
Tot Ion:	84	Resp:	2893
Ion	Ratio	Lower	Upper
84	100		
49	147.5	89.7	134.5#
51	48.0	0.0	71.6
86	63.9	51.4	77.2



#16
trans-1,2-Dichloroethene
Concen: 0.434 ug/l
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion:	96	Resp:	2074
Ion	Ratio	Lower	Upper
96	100		
61	180.9	110.8	166.2#
98	68.1	50.3	75.5

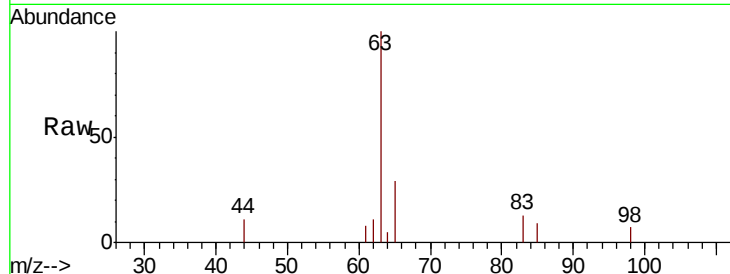




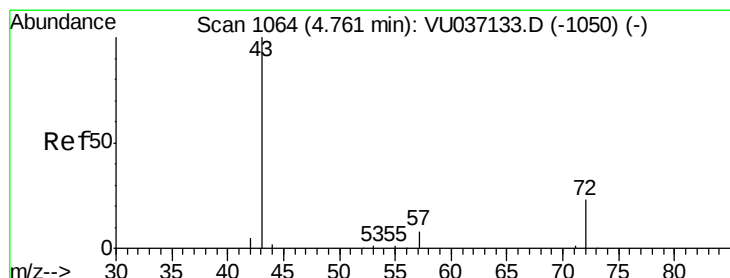
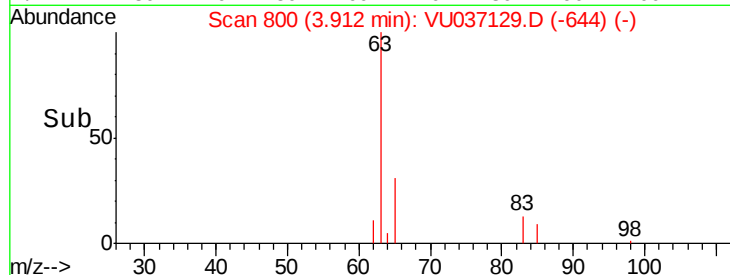
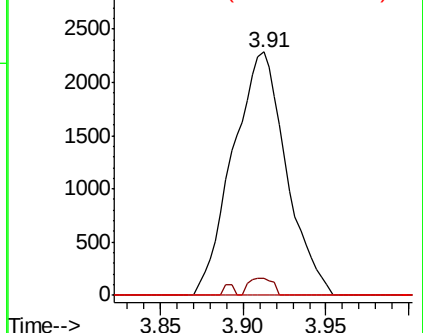
#17
 1,1-Dichloroethane
 Concen: 0.658 ug/l
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 63 Resp: 5121
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.5 10.5
 100 0.0 2.4 7.1#

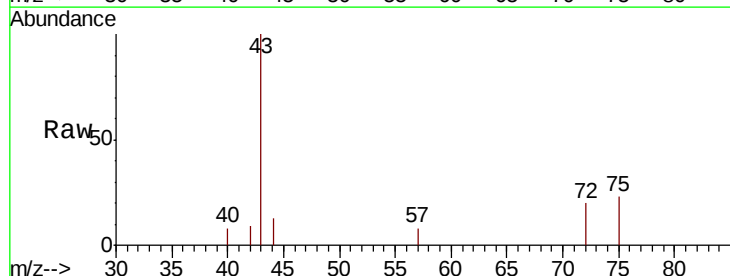


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

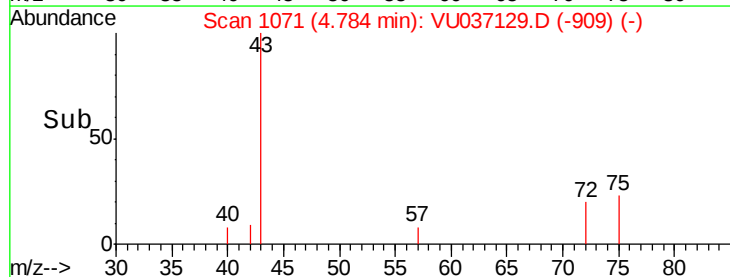
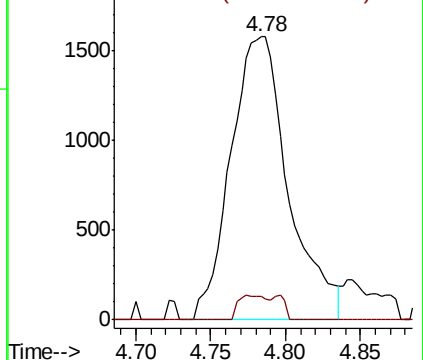


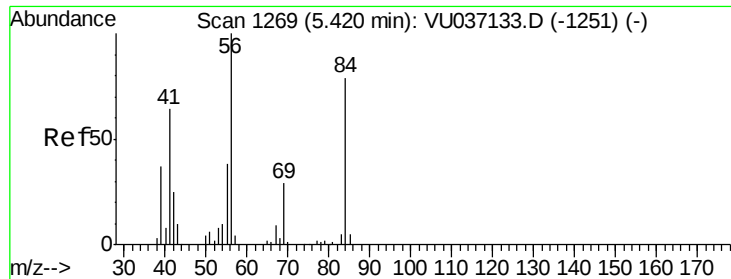
#18
 2-Butanone
 Concen: 3.724 ug/l
 RT: 4.78 min Scan# 1071
 Delta R.T. 0.02 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion: 43 Resp: 4247
 Ion Ratio Lower Upper
 43 100
 57 8.4 0.0 17.8



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

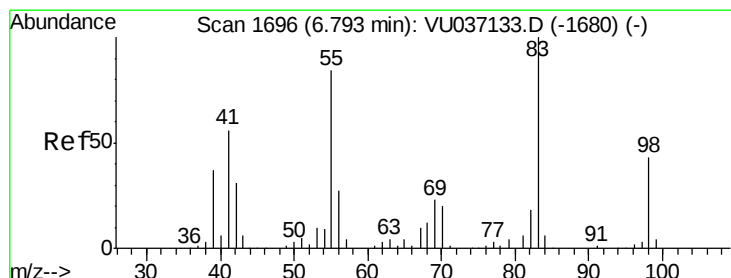
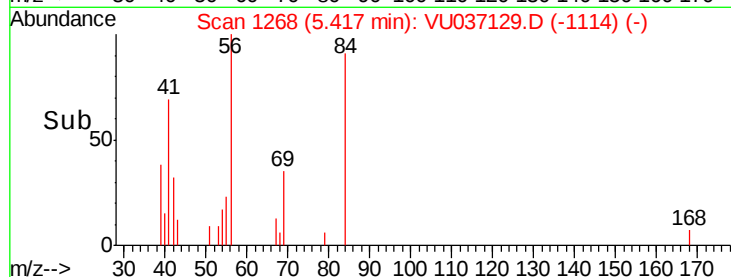
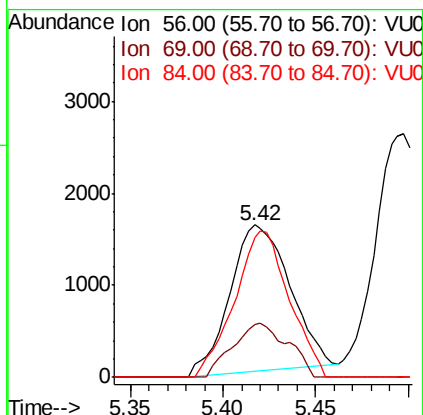
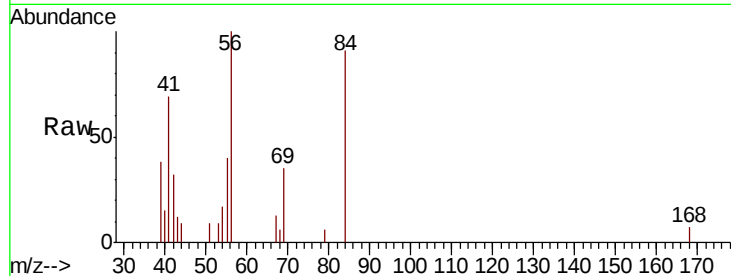




#19
Cyclohexane
Concen: 0.505 ug/l
RT: 5.42 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

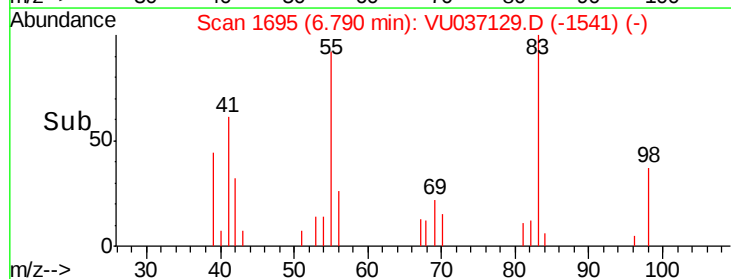
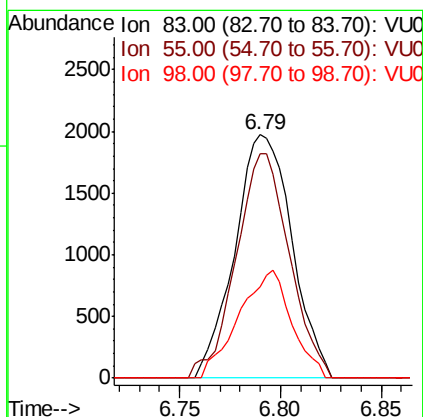
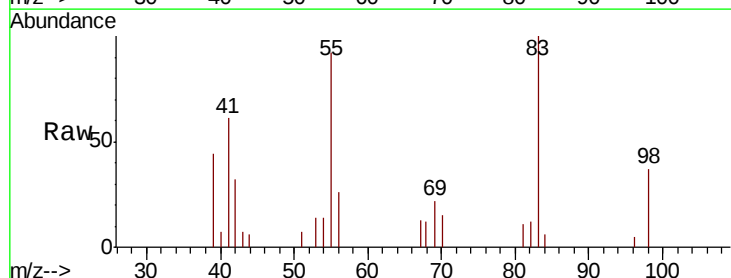
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

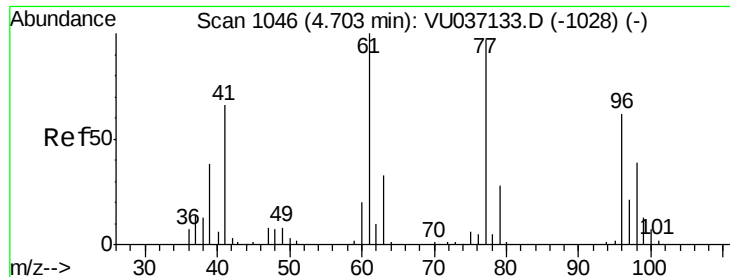
Tot Ion: 56 Resp: 3596
Ion Ratio Lower Upper
56 100
69 33.6 26.2 39.2
84 90.5 72.8 109.2



#20
Methylcyclohexane
Concen: 0.490 ug/l
RT: 6.79 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion: 83 Resp: 3896
Ion Ratio Lower Upper
83 100
55 86.2 56.6 85.0#
98 40.8 37.5 56.3

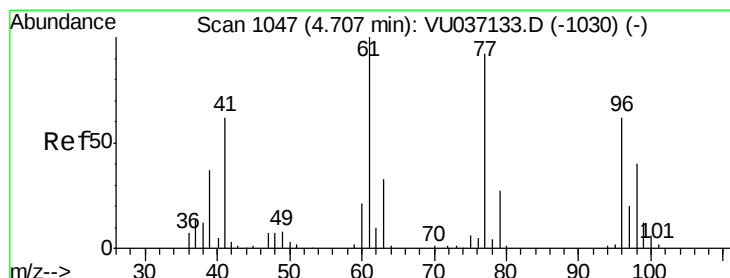
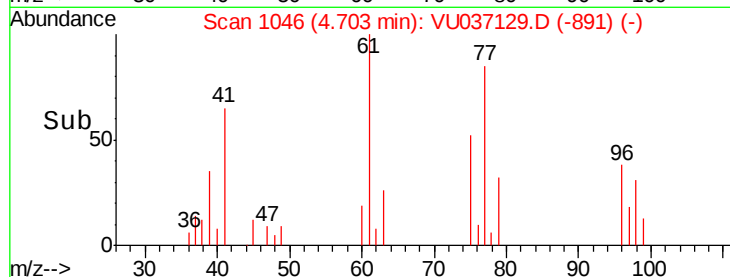
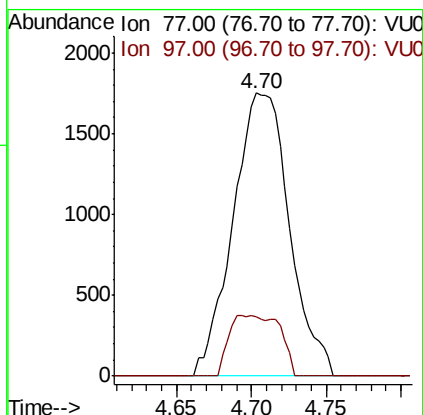
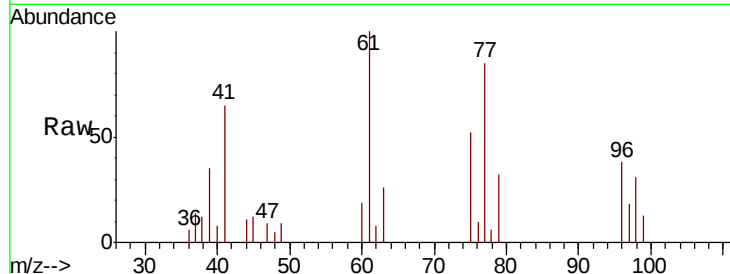




#21
 2,2-Dichloropropane
 Concen: 0.691 ug/l
 RT: 4.70 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

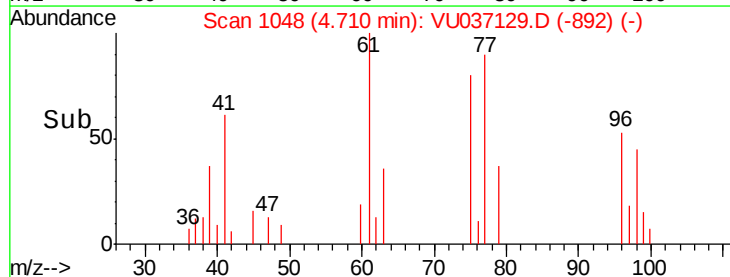
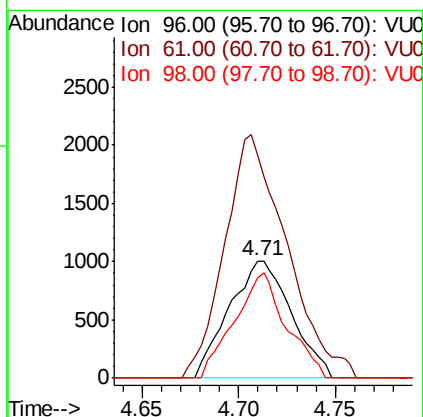
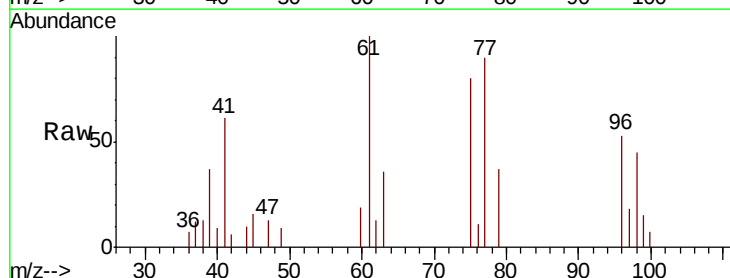
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

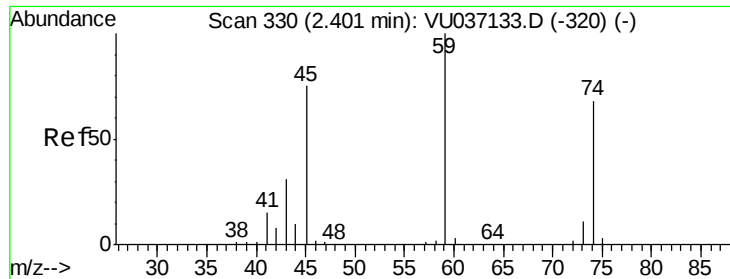
Tot Ion: 77 Resp: 4593
 Ion Ratio Lower Upper
 77 100
 97 19.3 19.0 28.4



#22
 cis-1,2-Dichloroethene
 Concen: 0.453 ug/l
 RT: 4.71 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion: 96 Resp: 2247
 Ion Ratio Lower Upper
 96 100
 61 208.1 0.0 342.0
 98 75.1 32.0 96.0

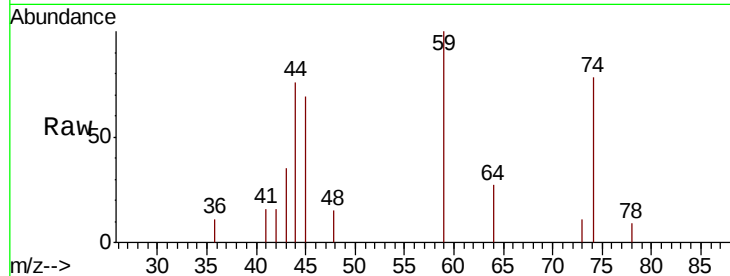




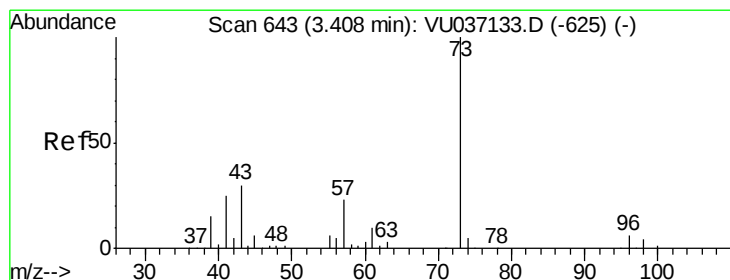
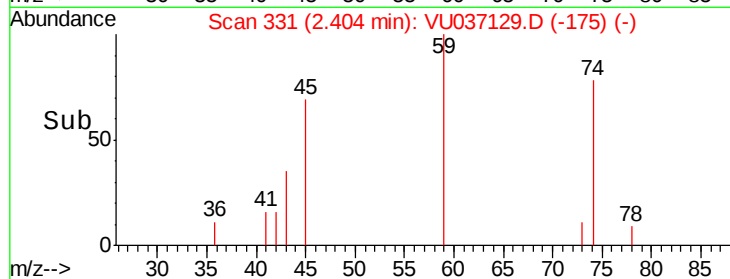
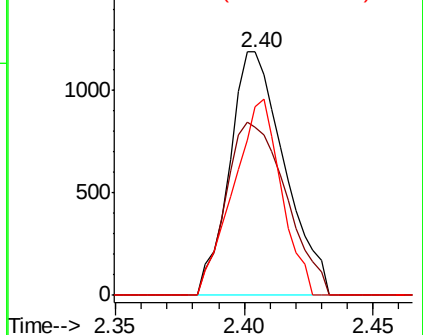
#23
Diethyl Ether
Concen: 0.527 ug/l
RT: 2.40 min Scan# 331
Delta R.T. 0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 59 Resp: 1764
Ion Ratio Lower Upper
59 100
45 78.1 52.4 78.6
74 70.2 62.1 93.1

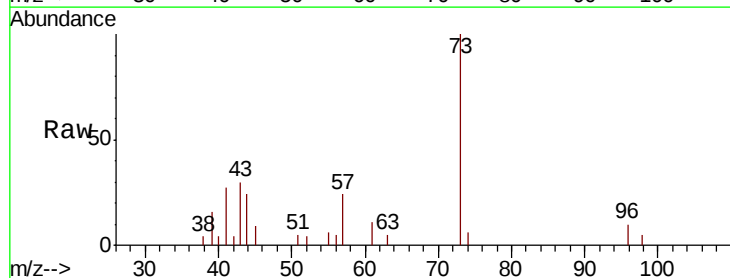


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

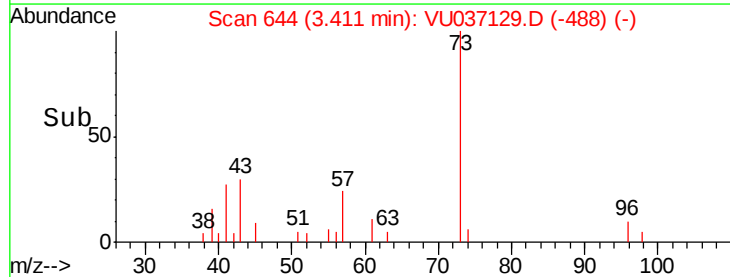
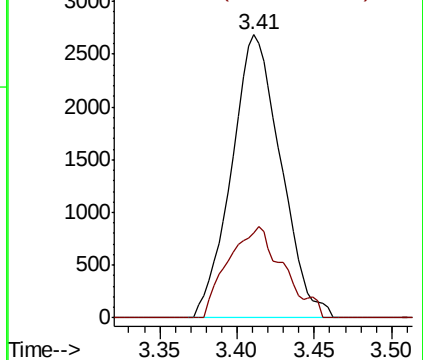


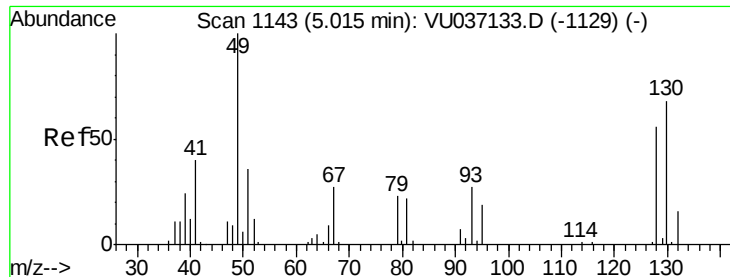
#25
Methyl tert-Butyl Ether
Concen: 0.523 ug/l
RT: 3.41 min Scan# 644
Delta R.T. 0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion: 73 Resp: 5937
Ion Ratio Lower Upper
73 100
43 36.3 14.5 21.7#



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

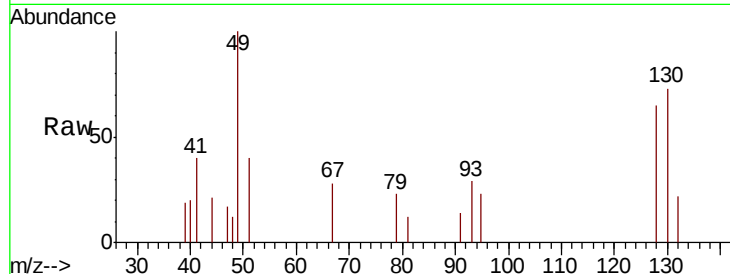




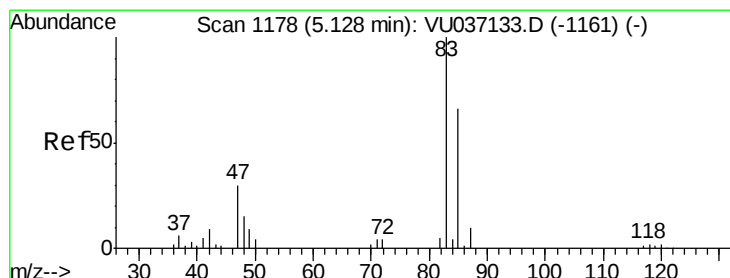
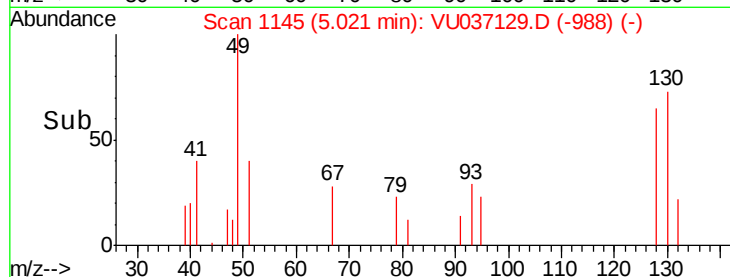
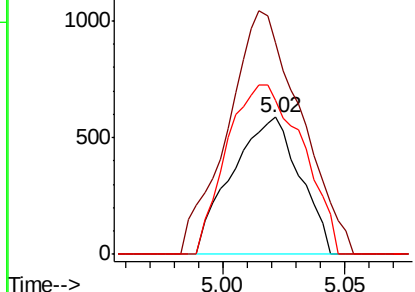
#26
Bromochloromethane
Concen: 0.528 ug/l
RT: 5.02 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:128 Resp: 1133
Ion Ratio Lower Upper
128 100
49 191.5 0.0 286.2
130 138.2 104.3 156.5

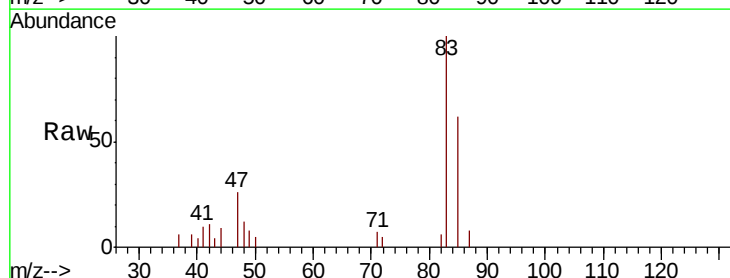


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VU0
Ion 130.00 (129.70 to 130.70): V

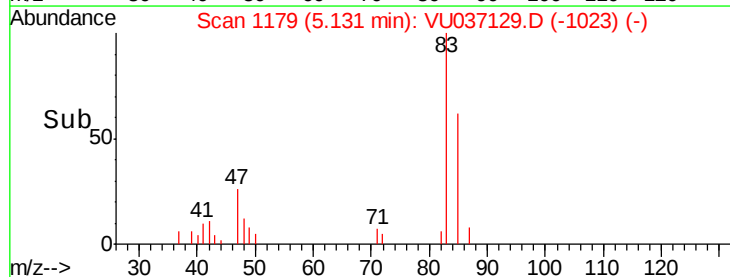
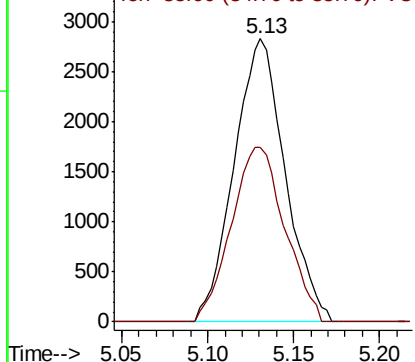


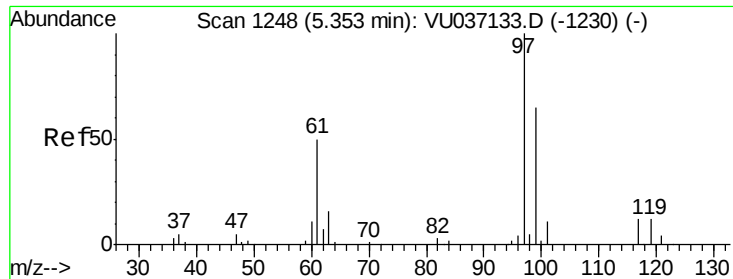
#27
Chloroform
Concen: 0.756 ug/l
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion: 83 Resp: 5822
Ion Ratio Lower Upper
83 100
85 61.8 0.0 129.0



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



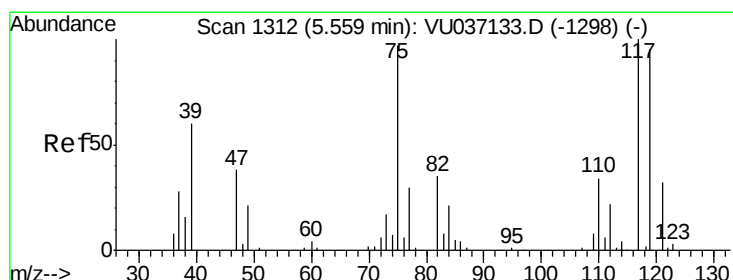
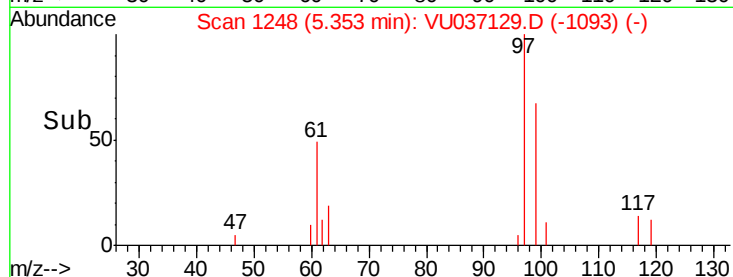
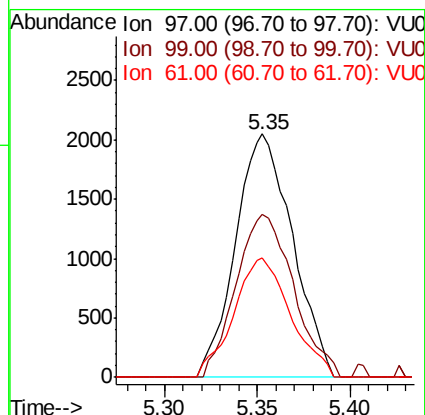
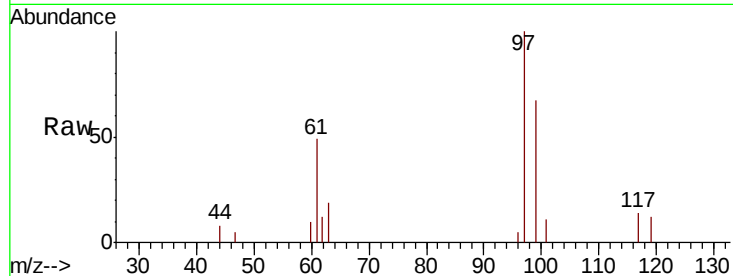


#28
 1,1,1-Trichloroethane
 Concen: 0.676 ug/l
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 97 Resp: 4367

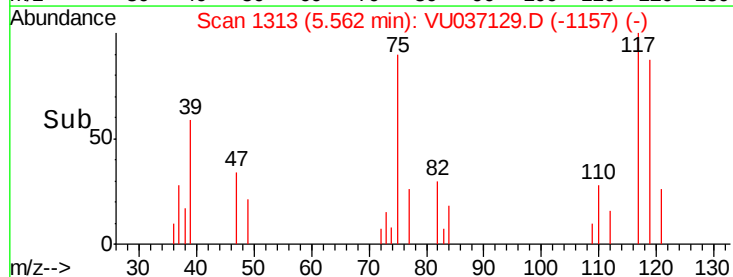
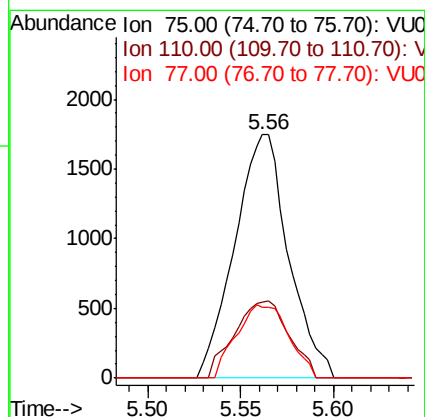
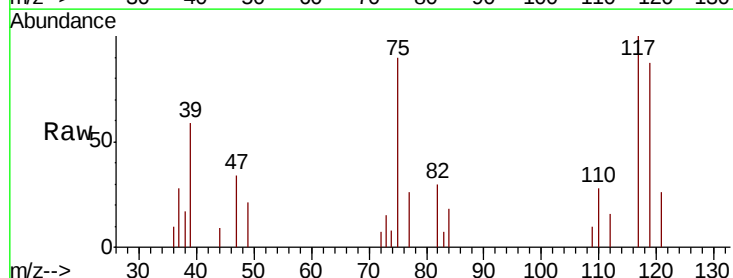
Ion	Ratio	Lower	Upper
97	100		
99	67.7	32.1	96.3
61	48.9	22.7	68.0

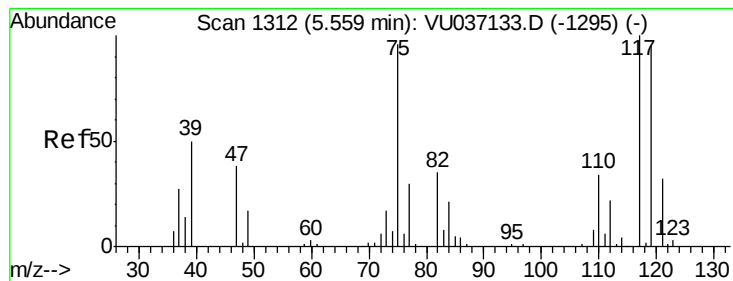


#29
 1,1-Dichloropropene
 Concen: 0.560 ug/l
 RT: 5.56 min Scan# 1313
 Delta R.T. 0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion: 75 Resp: 3529

Ion	Ratio	Lower	Upper
75	100		
110	32.1	18.6	55.8
77	29.2	25.0	37.4





#30

Carbon Tetrachloride

Concen: 0.717 ug/l

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

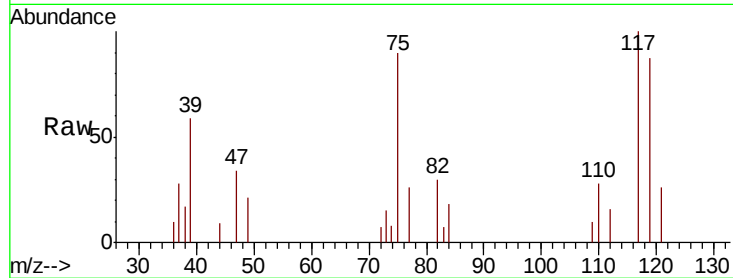
Tot Ion:117 Resp: 3962

Ion Ratio Lower Upper

117 100

119 86.6 77.0 115.6

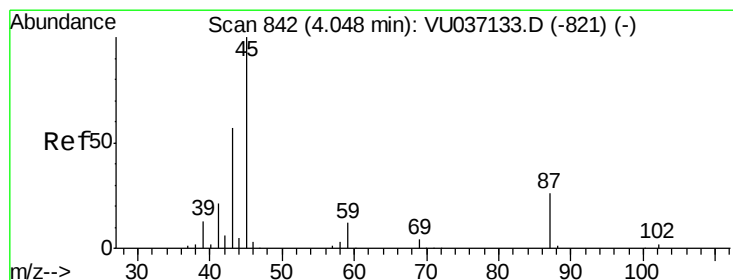
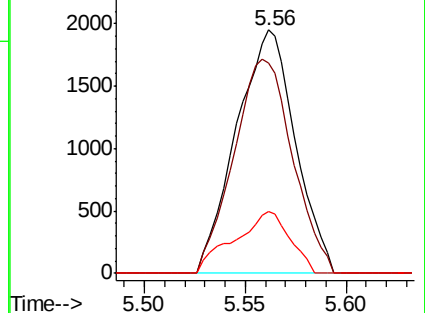
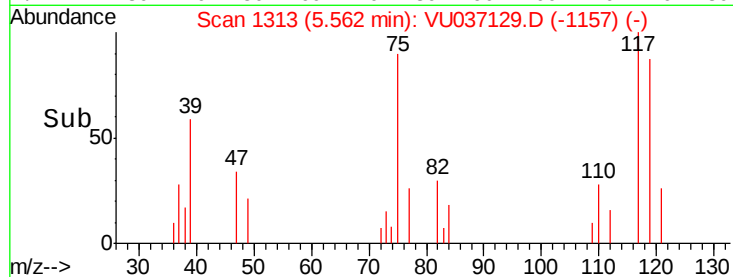
121 25.6 23.3 34.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#31

Isopropyl Ether

Concen: 0.664 ug/l

RT: 4.05 min Scan# 842

Delta R.T. -0.00 min

Lab File: VU037129.D

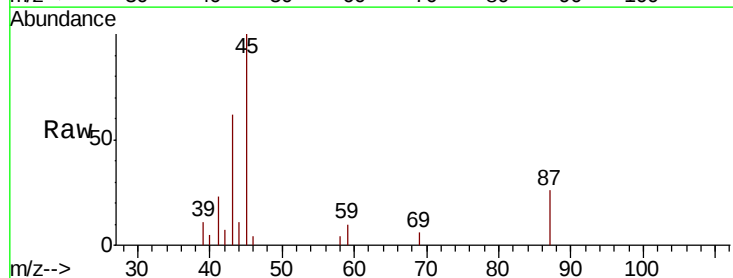
Acq: 09 Mar 2020 12:23

Tgt Ion: 45 Resp: 7842

Ion Ratio Lower Upper

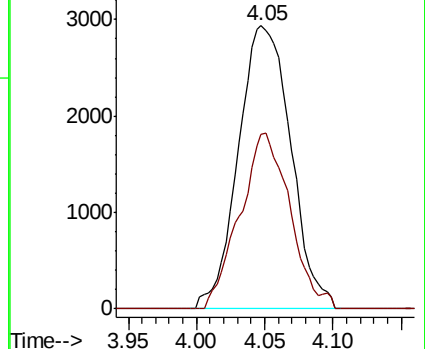
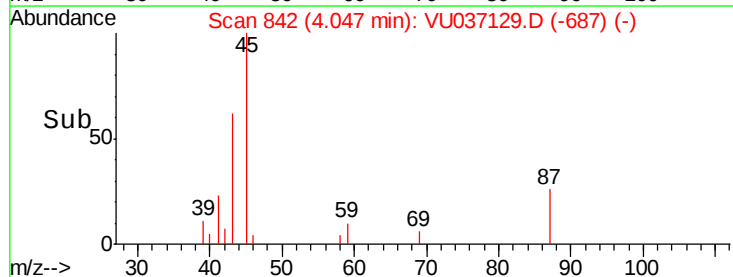
45 100

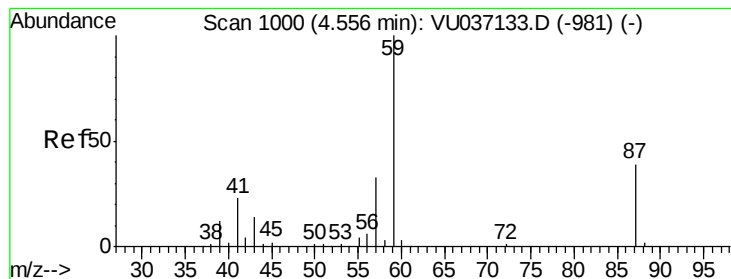
43 59.4 24.0 72.0



Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0





#32

Ethyl t-butyl ether

Concen: 0.596 ug/l

RT: 4.56 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

ClientSampleId :

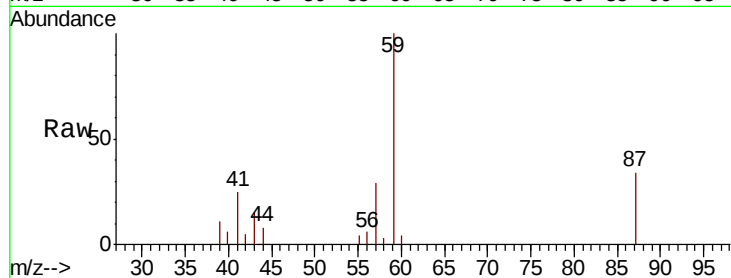
VSTDIC0.5

Tot Ion: 59 Resp: 7367

Ion Ratio Lower Upper

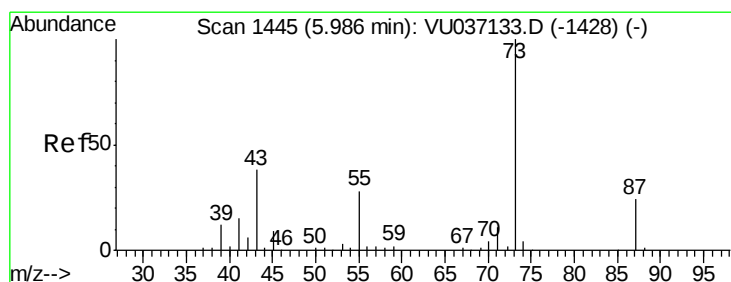
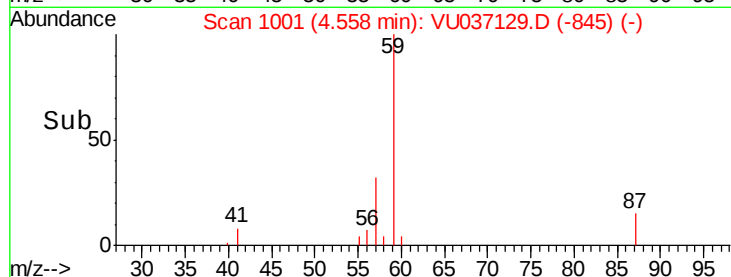
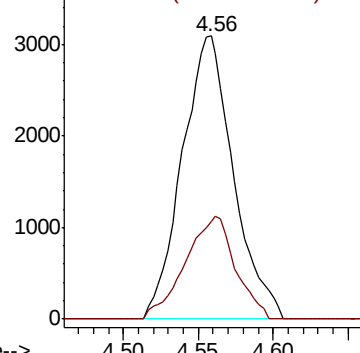
59 100

87 35.4 35.1 52.7



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

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



#33

Tert-Amyl methyl ether

Concen: 0.538 ug/l

RT: 5.99 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

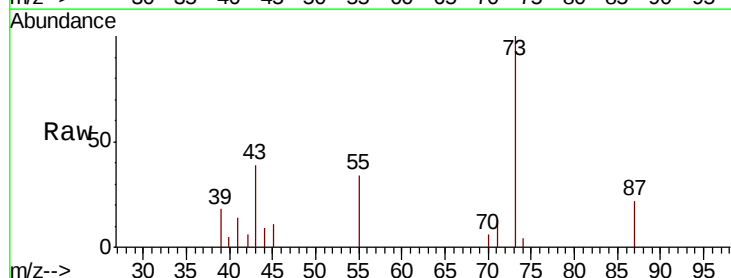
Tgt Ion: 73 Resp: 6086

Ion Ratio Lower Upper

73 100

87 24.5 19.8 29.6

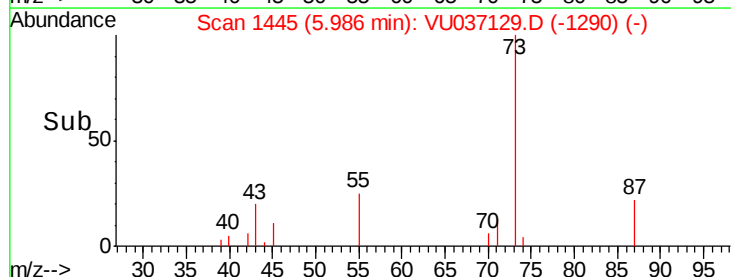
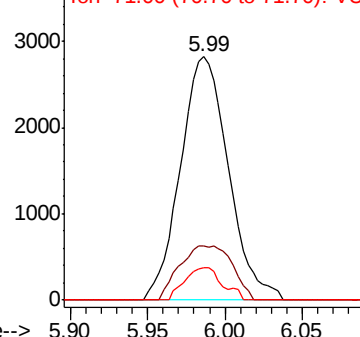
71 10.3 9.1 13.7

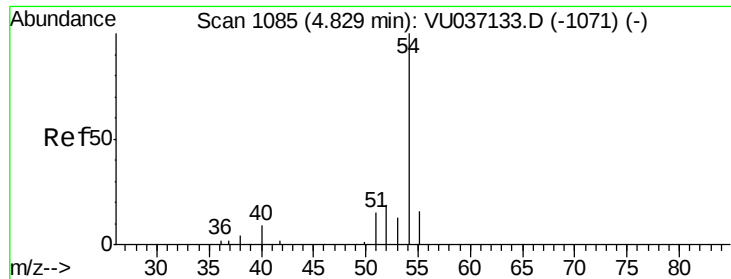


Abundance Ion 73.00 (72.70 to 73.70): VU037133.D (-1428) (-)

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

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



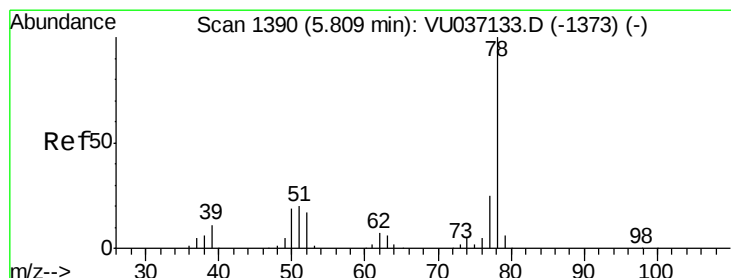
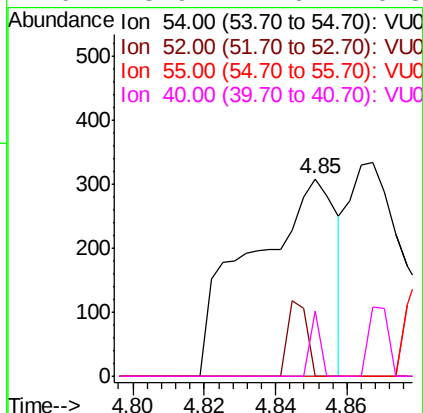
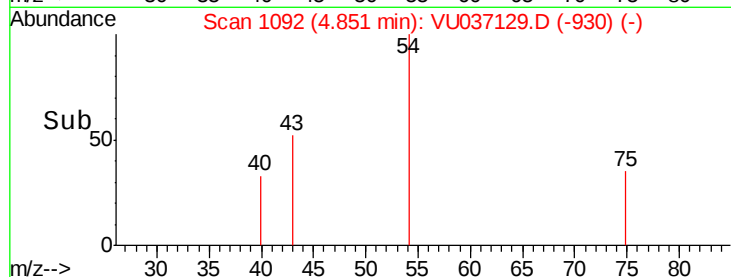
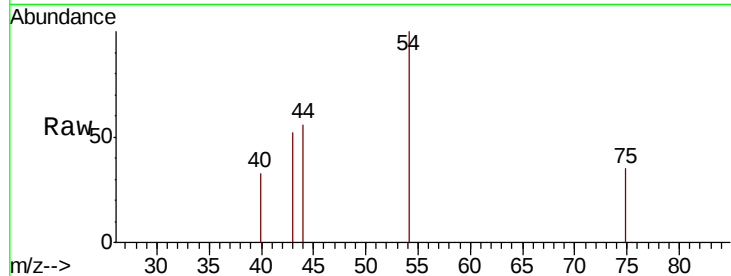


#34
 Propionitrile
 Concen: 1.555 ug/l
 RT: 4.85 min Scan# 1092
 Delta R.T. 0.02 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 54 Resp: 511

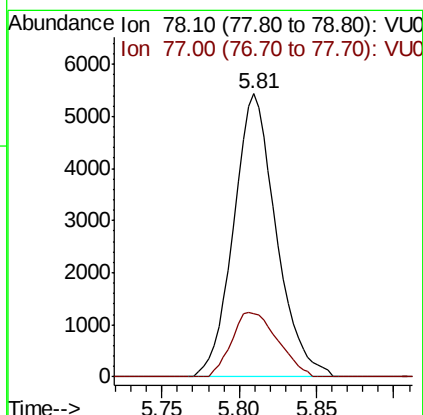
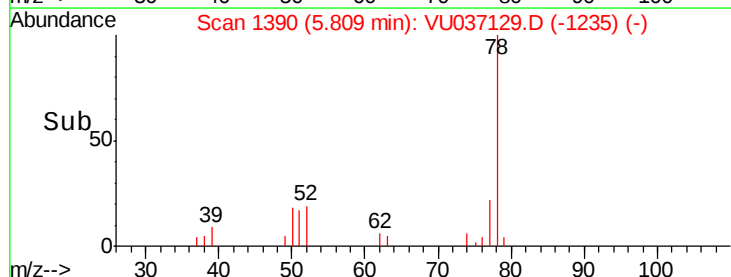
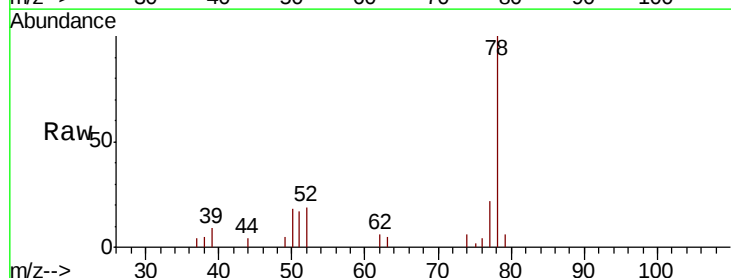
Ion	Ratio	Lower	Upper
54	100		
52	8.4	15.2	22.8#
55	0.0	9.5	14.3#
40	3.9	4.6	6.8#

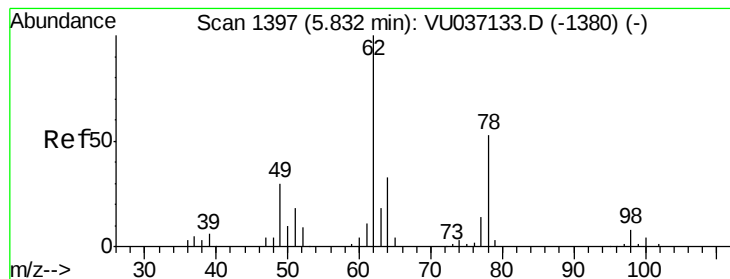


#35
 Benzene
 Concen: 0.570 ug/l
 RT: 5.81 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion: 78 Resp: 10393

Ion	Ratio	Lower	Upper
78	100		
77	22.2	19.4	29.0





#36

1,2-Dichloroethane

Concen: 0.827 ug/l

RT: 5.84 min Scan# 1399

Delta R.T. 0.01 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

ClientSampleId :

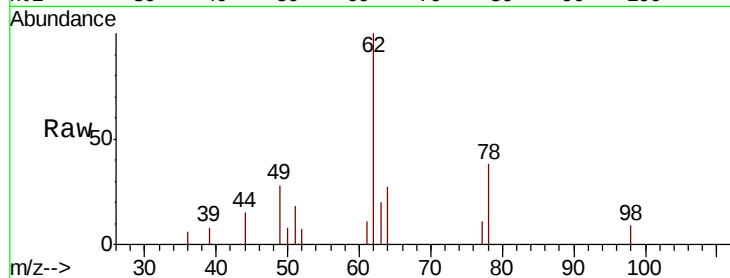
VSTDIC0.5

Tot Ion: 62 Resp: 4060

Ion Ratio Lower Upper

62 100

98 5.6 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VU037133.D (-1380) (-)

Ion 98.00 (97.70 to 98.70): VU037133.D (-1380) (-)

5.84

2000

1500

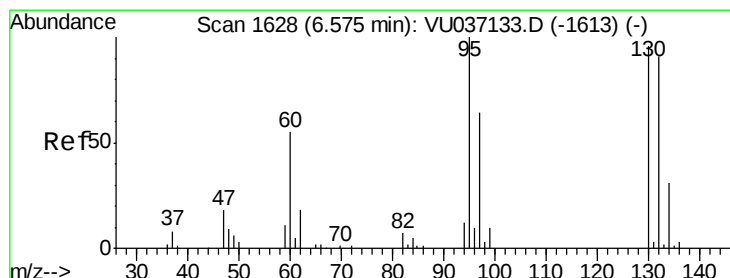
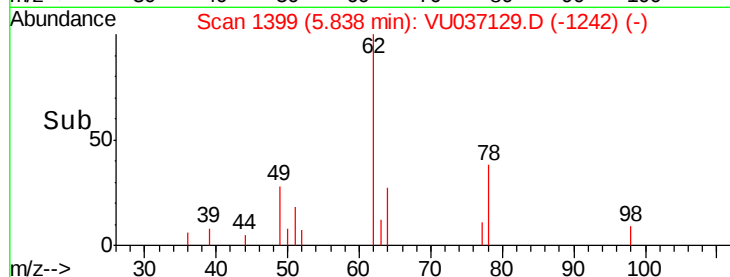
1000

500

0

5.80 5.85 5.90

Time-->



#37

Trichloroethene

Concen: 0.548 ug/l

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU037129.D

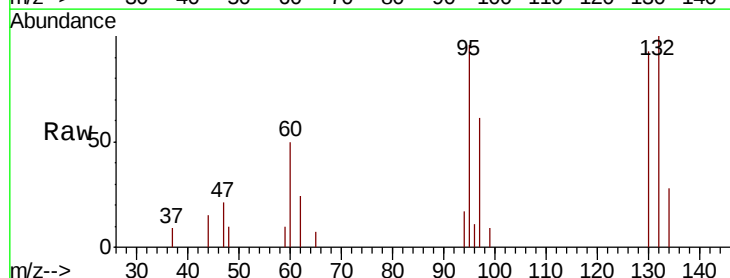
Acq: 09 Mar 2020 12:23

Tgt Ion: 130 Resp: 2762

Ion Ratio Lower Upper

130 100

95 103.7 77.0 115.4



Abundance Ion 129.90 (129.60 to 130.60): VU037133.D (-1613) (-)

Ion 94.90 (94.60 to 95.60): VU037133.D (-1613) (-)

6.57

1500

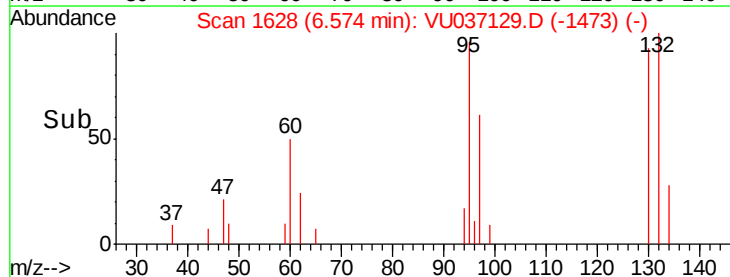
1000

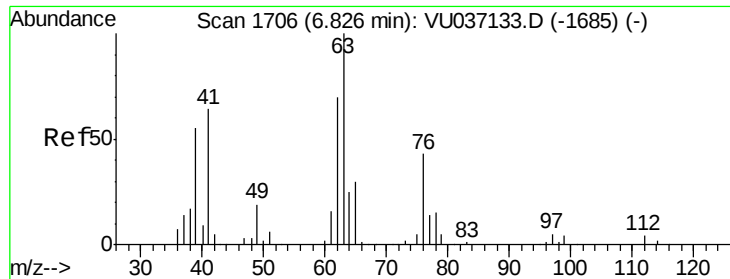
500

0

6.55 6.60

Time-->

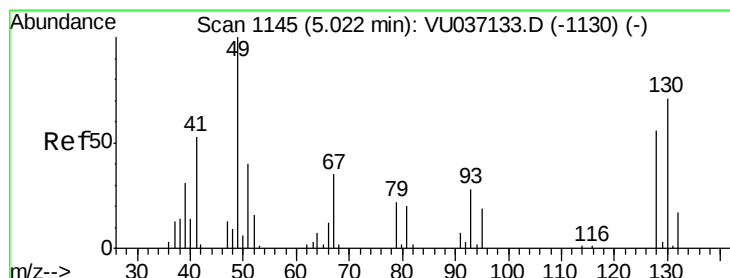
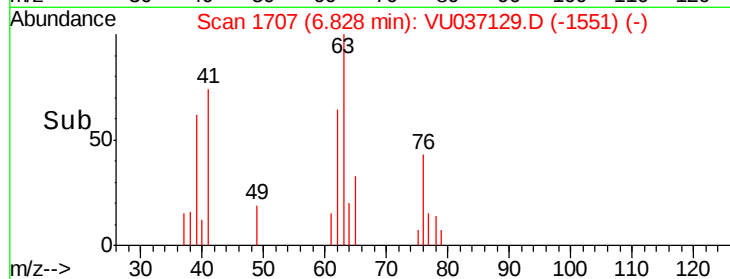
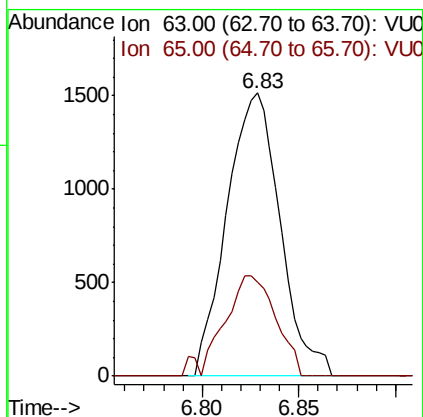
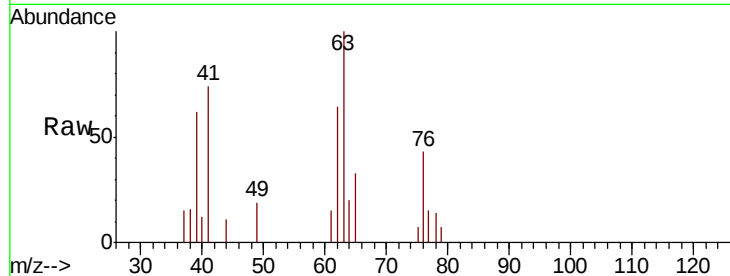




#38
 1,2-Dichloropropane
 Concen: 0.633 ug/l
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

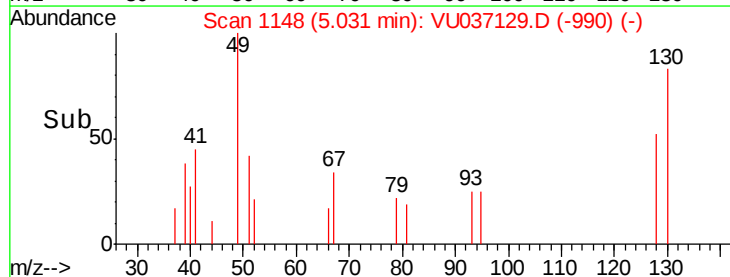
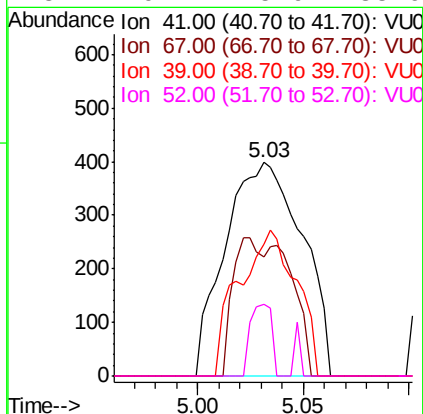
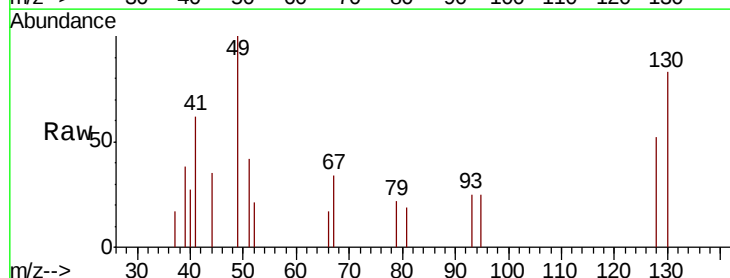
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

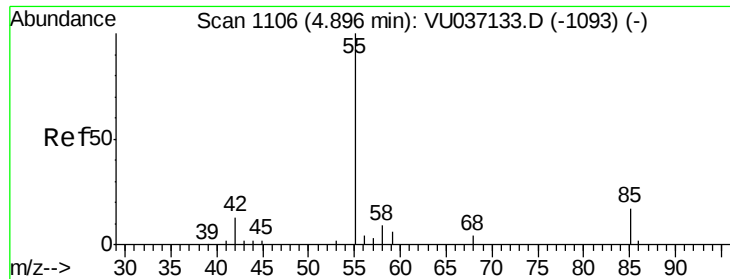
Tot Ion: 63 Resp: 2905
 Ion Ratio Lower Upper
 63 100
 65 33.3 24.7 37.1



#39
 Methacrylonitrile
 Concen: 0.734 ug/l
 RT: 5.03 min Scan# 1148
 Delta R.T. 0.01 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion: 41 Resp: 1014
 Ion Ratio Lower Upper
 41 100
 67 25.2 69.6 104.4#
 39 50.9 41.6 62.4
 52 9.4 25.9 38.9#

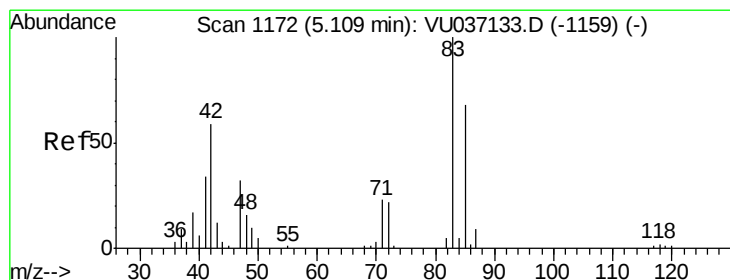
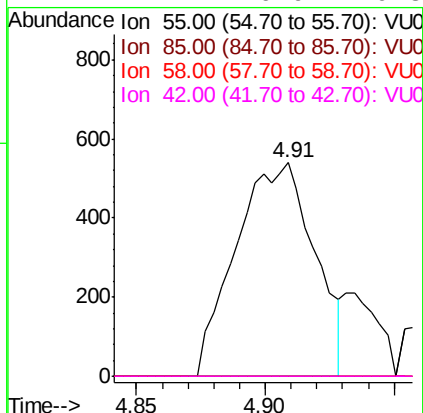
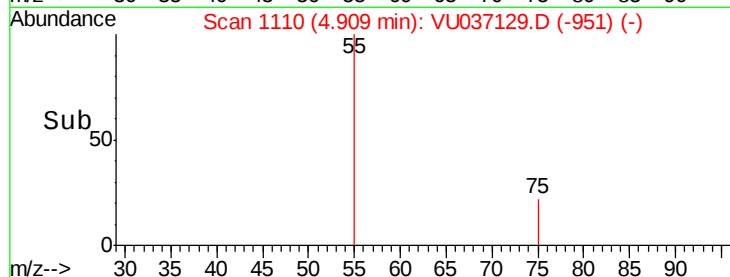
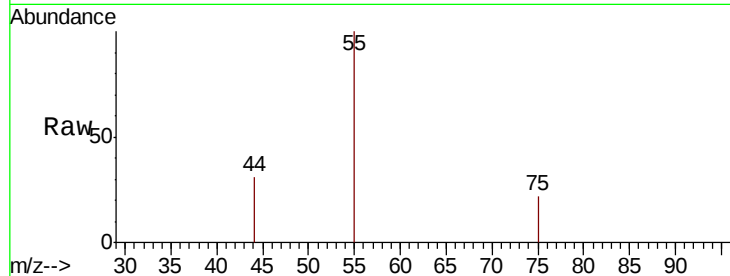




#40
Methyl acrylate
Concen: 0.524 ug/l
RT: 4.91 min Scan# 1110
Delta R.T. 0.01 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

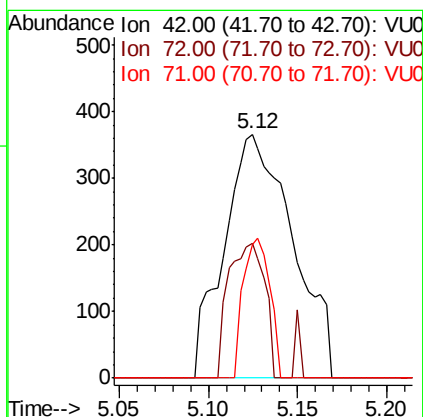
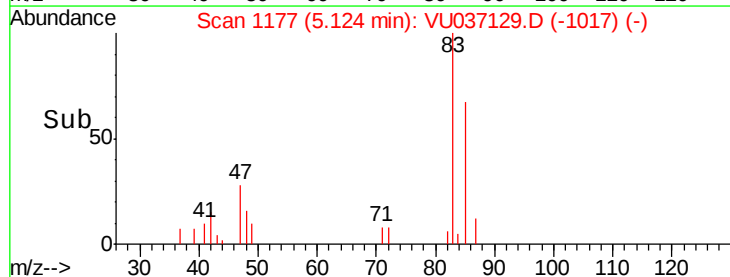
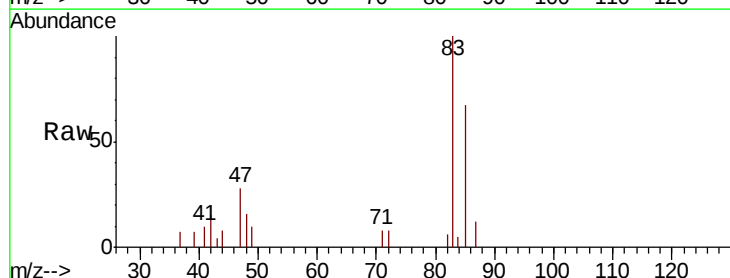
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

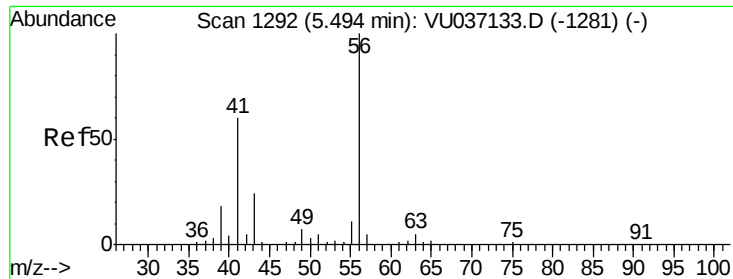
Tot Ion:	55	Resp:	1147
Ion	Ratio	Lower	Upper
55	100		
85	0.0	14.7	22.1#
58	0.0	7.1	10.7#
42	24.7	6.9	10.3#



#41
Tetrahydrofuran
Concen: 1.307 ug/l
RT: 5.12 min Scan# 1177
Delta R.T. 0.02 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion:	42	Resp:	984
Ion	Ratio	Lower	Upper
42	100		
72	29.1	42.5	63.7#
71	22.4	37.3	55.9#

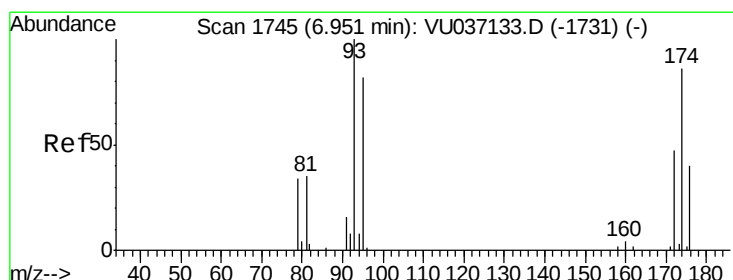
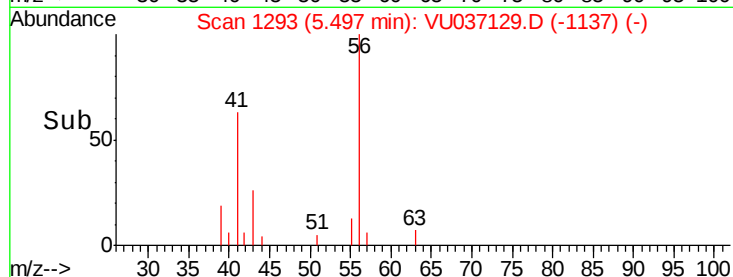
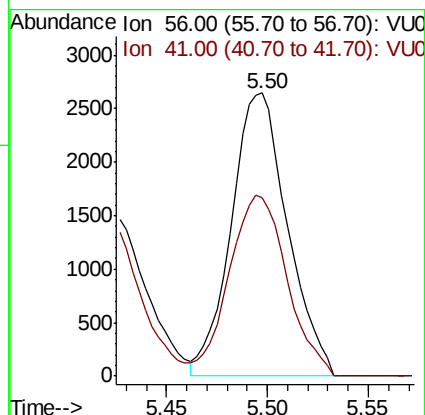
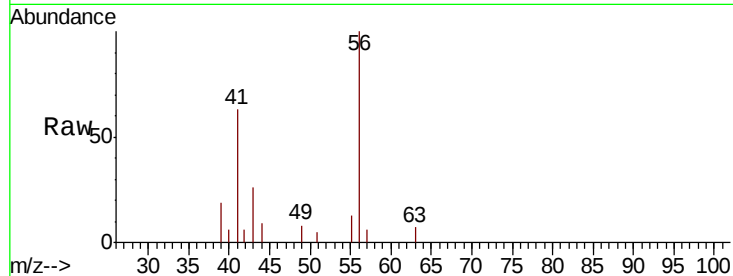




#42
1-Chlorobutane
Concen: 0.632 ug/l
RT: 5.50 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

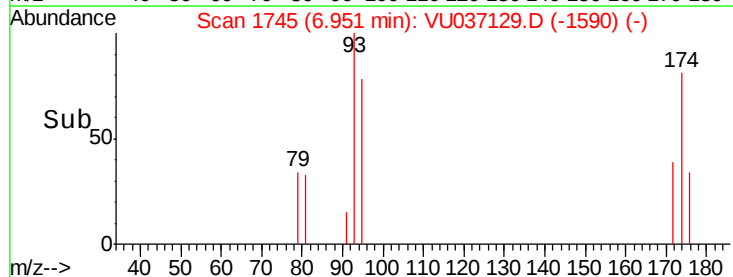
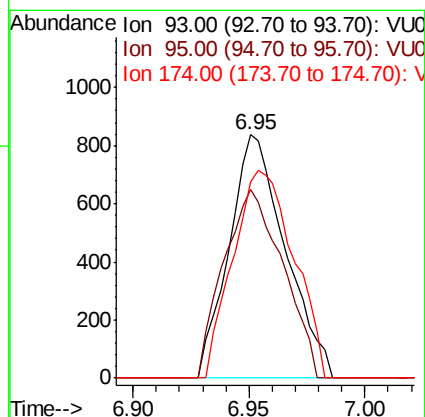
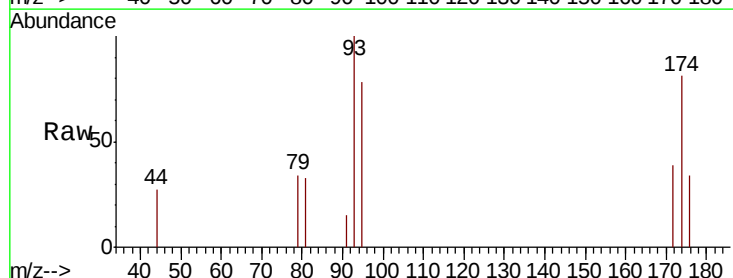
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

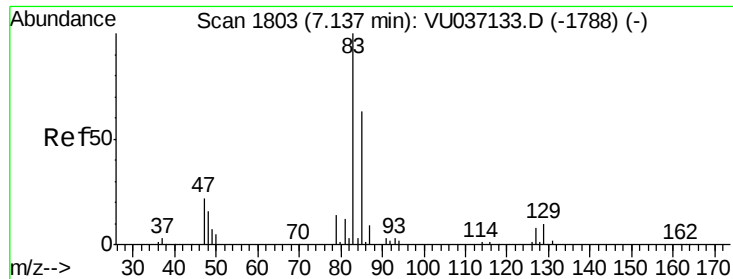
Tot Ion: 56 Resp: 5163
Ion Ratio Lower Upper
56 100
41 65.6 24.8 74.3



#43
Dibromomethane
Concen: 0.588 ug/l
RT: 6.95 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion: 93 Resp: 1408
Ion Ratio Lower Upper
93 100
95 81.8 67.9 101.9
174 92.5 83.4 125.0





#44

Bromodichloromethane

Concen: 0.694 ug/l

RT: 7.14 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

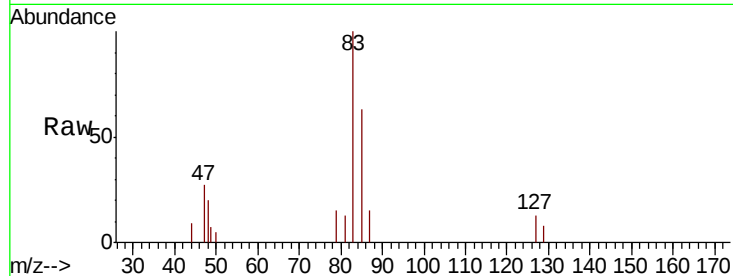
Tot Ion: 83 Resp: 3933

Ion Ratio Lower Upper

83 100

85 62.8 51.8 77.6

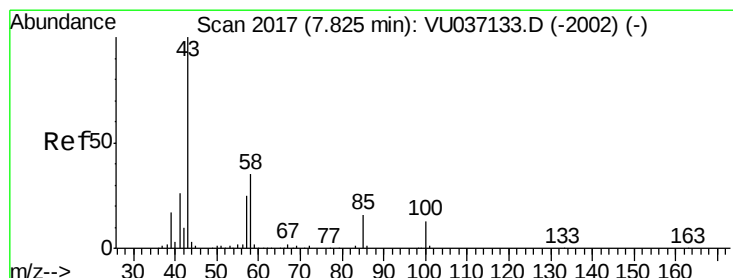
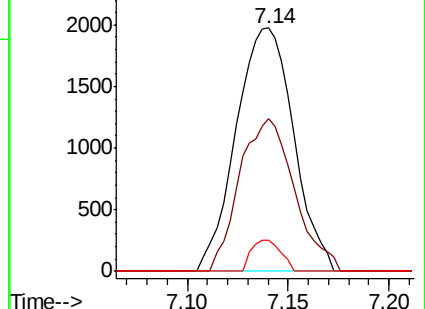
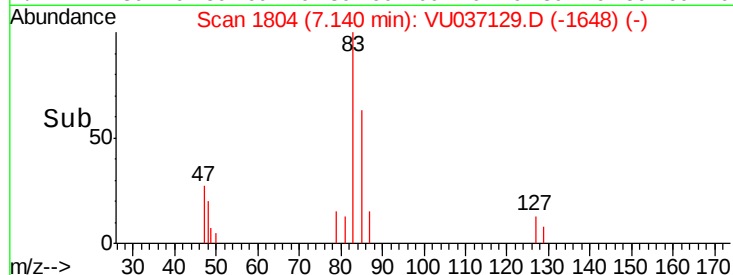
127 12.7 6.8 10.2#



Abundance Ion 83.00 (82.70 to 83.70): VU037129.D (-1788) (-)

Ion 85.00 (84.70 to 85.70): VU037129.D (-1788) (-)

Ion 127.00 (126.70 to 127.70): VU037129.D (-1788) (-)



#45

4-Methyl-2-Pentanone

Concen: 3.665 ug/l

RT: 7.83 min Scan# 2019

Delta R.T. 0.01 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

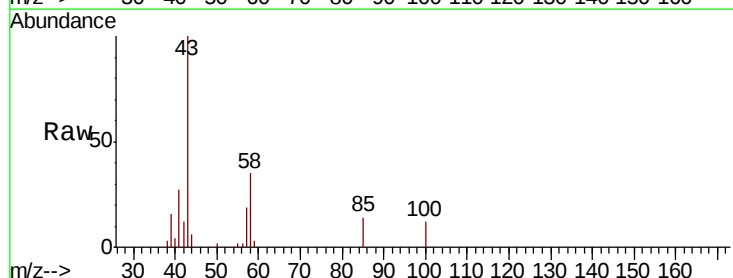
Tgt Ion: 43 Resp: 9888

Ion Ratio Lower Upper

43 100

58 35.5 22.1 66.1

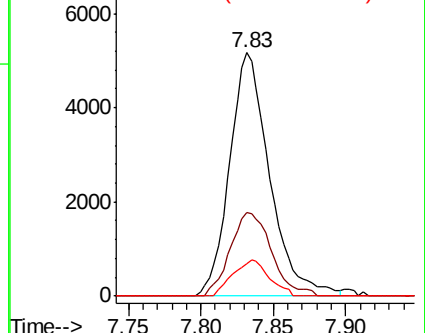
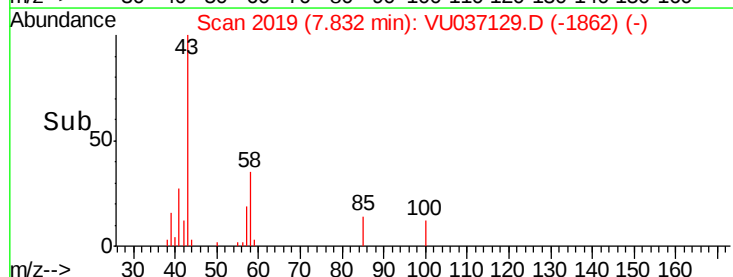
85 13.5 17.4 26.0#

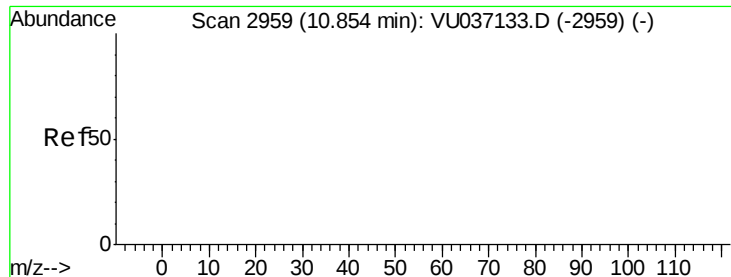


Abundance Ion 43.00 (42.70 to 43.70): VU037129.D (-1862) (-)

Ion 58.00 (57.70 to 58.70): VU037129.D (-1862) (-)

Ion 85.00 (84.70 to 85.70): VU037129.D (-1862) (-)





#46

t-1,4-Dichloro-2-butene

Concen: 2.576 ug/l

RT: 10.84 min Scan# 2956

Delta R.T. -0.01 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 75 Resp: 3061

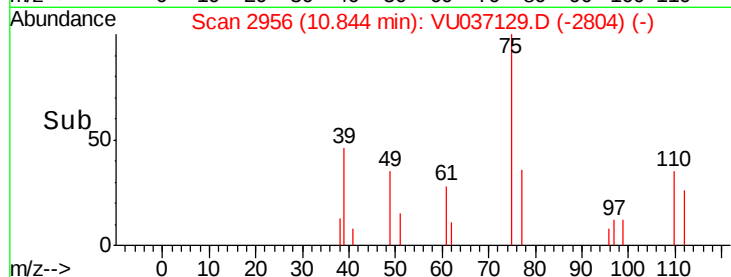
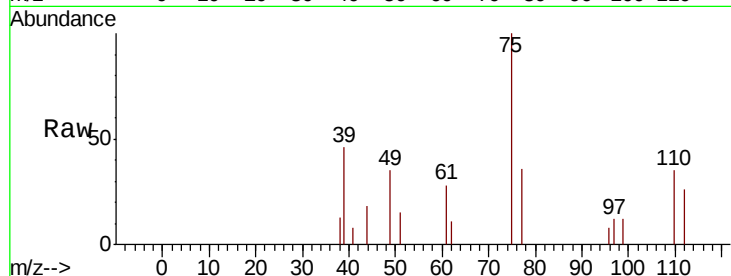
Ion Ratio Lower Upper

75 100

53 36.1 52.2 78.2#

89 18.2 39.8 59.6#

88 14.7 27.4 41.2#

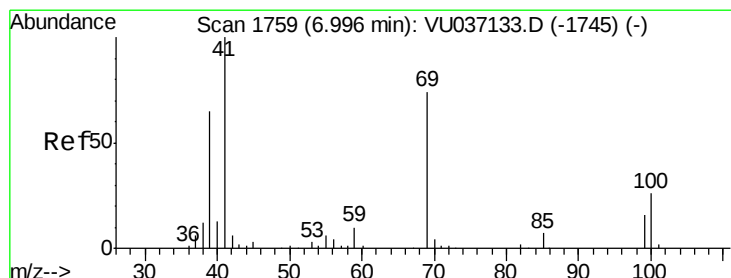
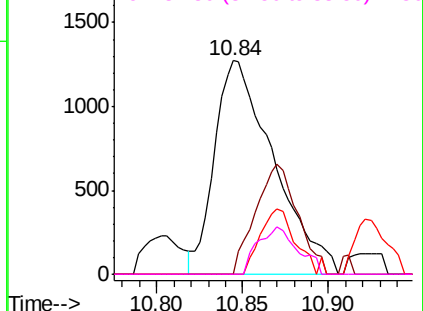


Abundance Ion 74.90 (74.60 to 75.60): VU037133.D (-2959) (-)

Ion 53.00 (52.70 to 53.70): VU037133.D (-2959) (-)

Ion 88.80 (88.50 to 89.50): VU037133.D (-2959) (-)

Ion 87.80 (87.50 to 88.50): VU037133.D (-2959) (-)



#47

Methyl methacrylate

Concen: 0.868 ug/l

RT: 7.00 min Scan# 1761

Delta R.T. 0.01 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Tgt Ion: 69 Resp: 2036

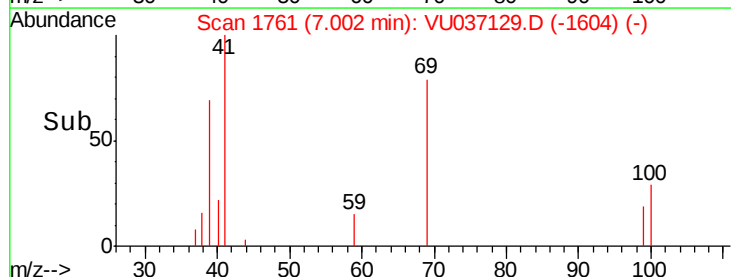
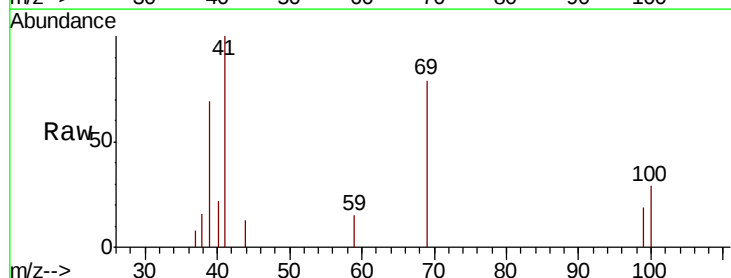
Ion Ratio Lower Upper

69 100

41 149.1 0.0 200.8

39 99.9 43.5 65.3#

100 37.2 31.1 46.7

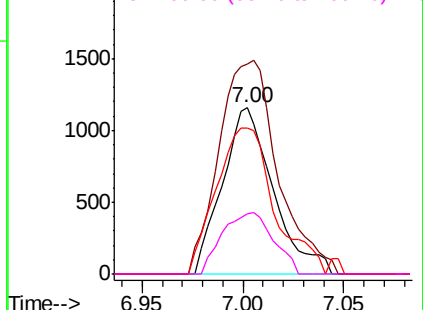


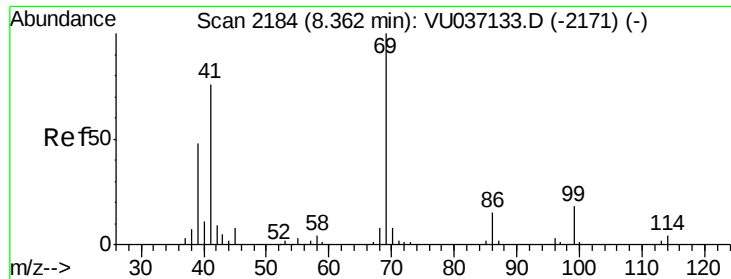
Abundance Ion 69.00 (68.70 to 69.70): VU037133.D (-1745) (-)

Ion 41.00 (40.70 to 41.70): VU037133.D (-1745) (-)

Ion 39.00 (38.70 to 39.70): VU037133.D (-1745) (-)

Ion 100.00 (99.70 to 100.70): VU037133.D (-1745) (-)

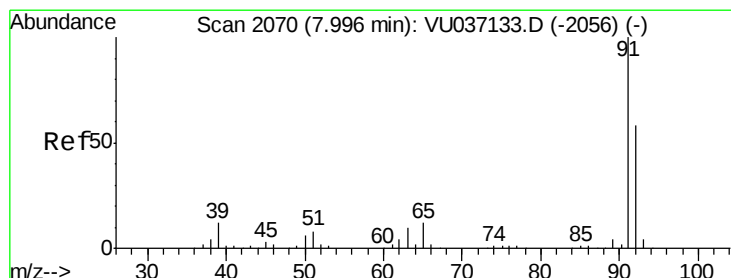
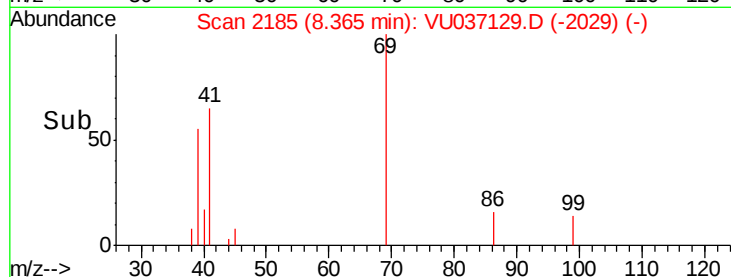
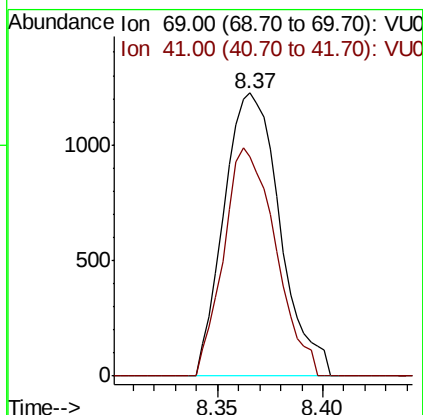
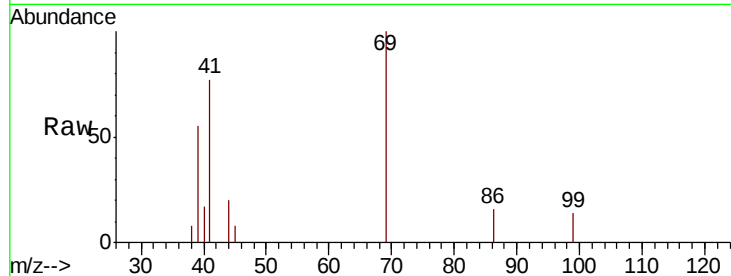




#48
Ethyl methacrylate
Concen: 0.499 ug/l
RT: 8.37 min Scan# 2185
Delta R.T. 0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

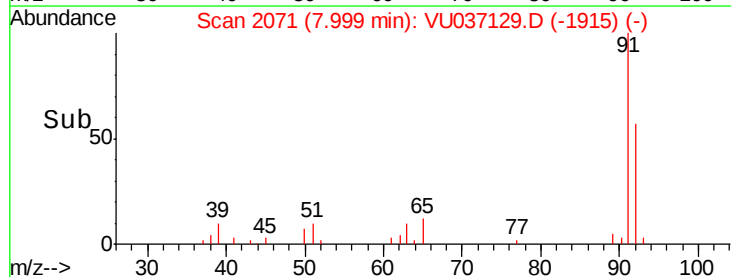
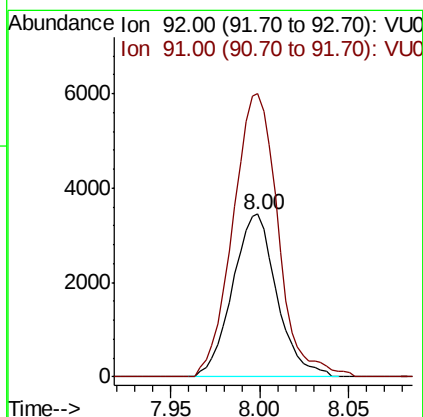
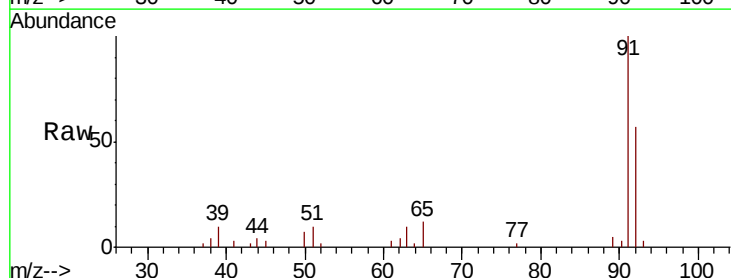
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

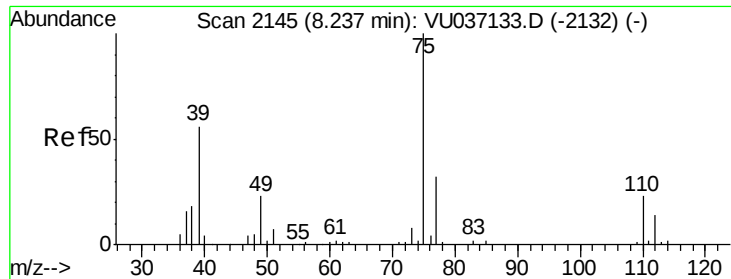
Tot Ion: 69 Resp: 2261
Ion Ratio Lower Upper
69 100
41 74.5 27.9 83.6



#49
Toluene
Concen: 0.509 ug/l
RT: 8.00 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion: 92 Resp: 5930
Ion Ratio Lower Upper
92 100
91 177.9 139.1 208.7

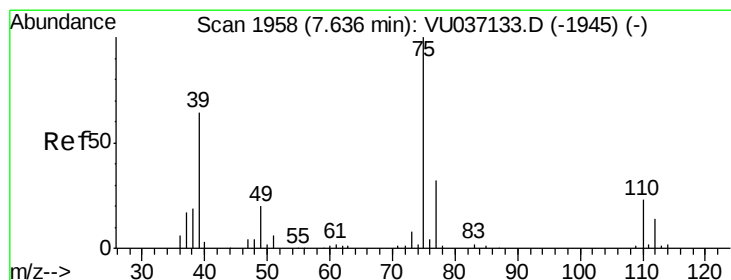
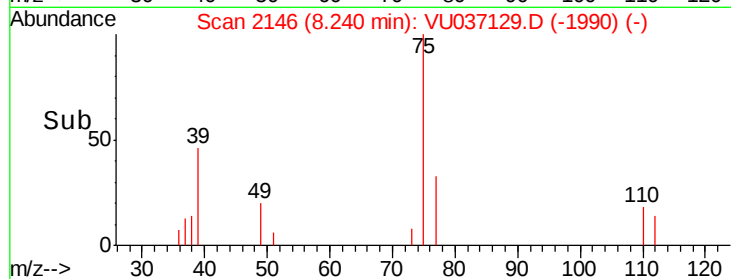
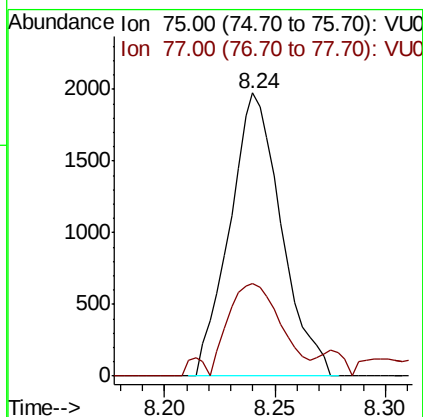
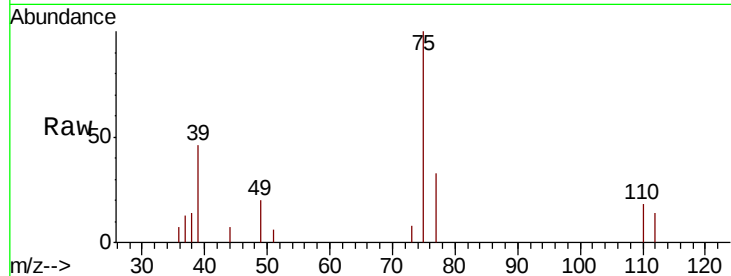




#50
 t-1,3-Dichloropropene
 Concen: 0.569 ug/l
 RT: 8.24 min Scan# 2146
 Delta R.T. 0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

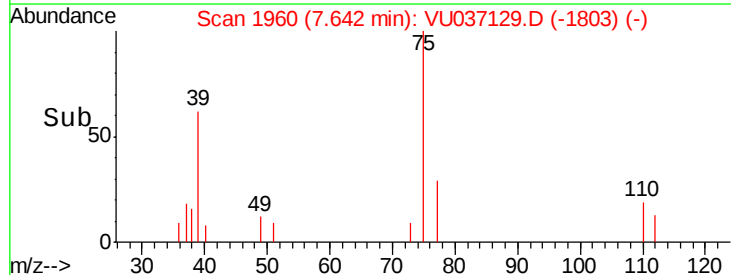
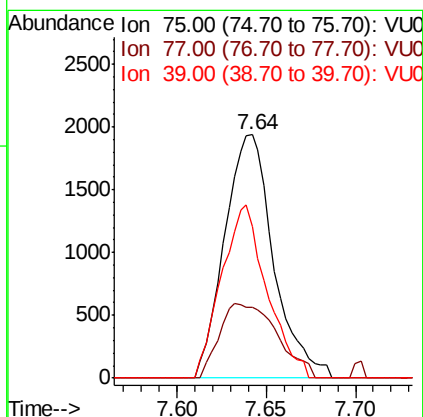
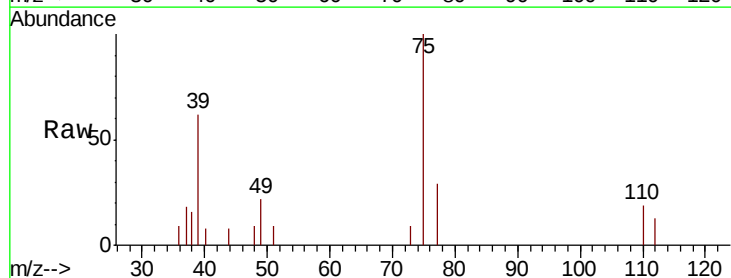
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

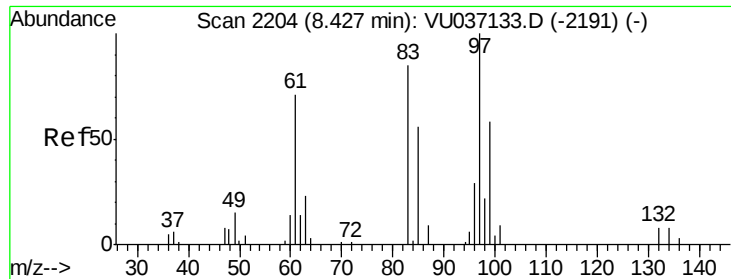
Tot Ion: 75 Resp: 3212
 Ion Ratio Lower Upper
 75 100
 77 27.1 25.4 38.2



#51
 cis-1,3-Dichloropropene
 Concen: 0.542 ug/l
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.01 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion: 75 Resp: 3709
 Ion Ratio Lower Upper
 75 100
 77 29.2 25.3 37.9
 39 62.0 31.8 47.6#

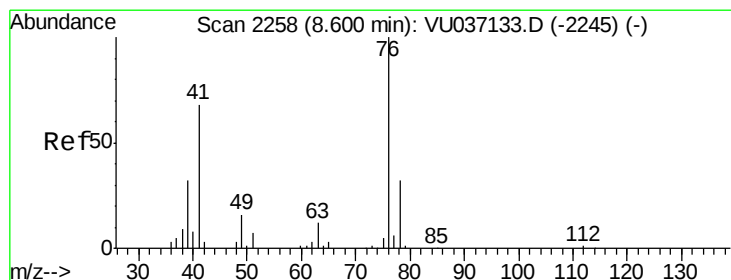
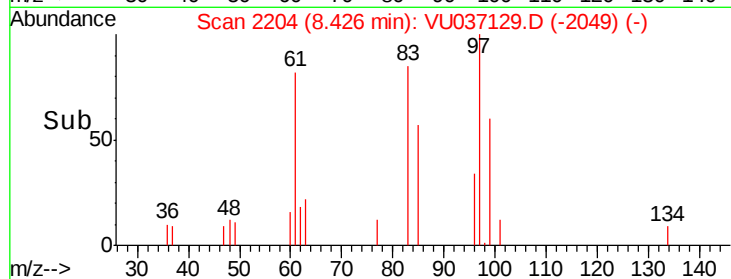
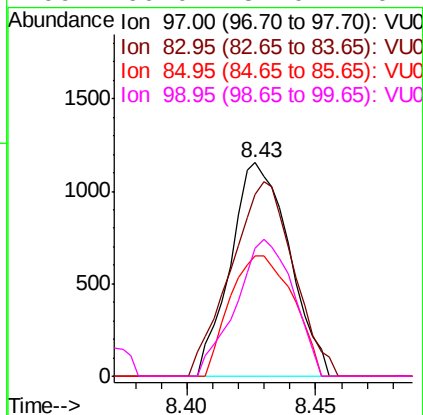
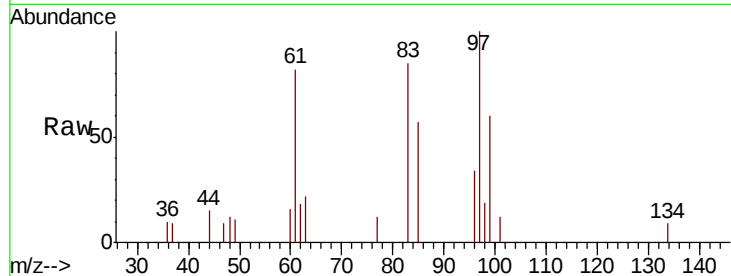




#52
 1,1,2-Trichloroethane
 Concen: 0.540 ug/l
 RT: 8.43 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

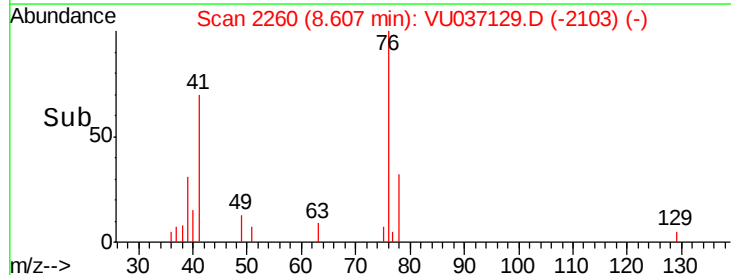
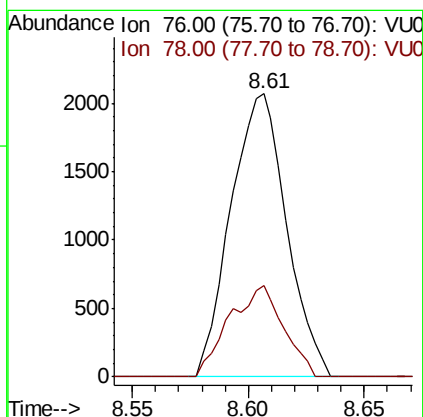
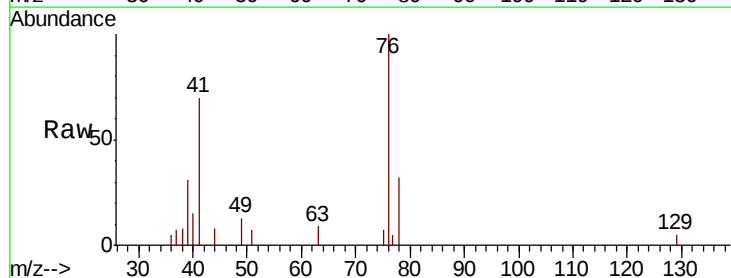
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

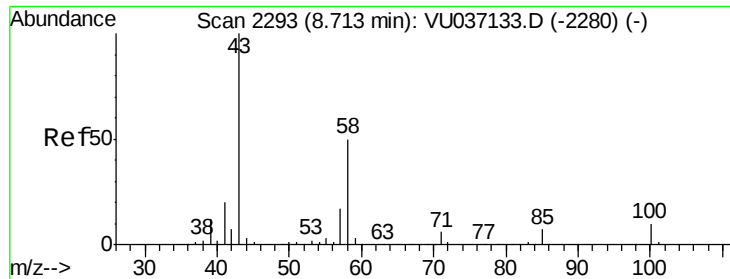
Tot Ion:	97	Resp:	1835
Ion	Ratio	Lower	Upper
97	100		
83	85.0	70.9	106.3
85	56.5	45.6	68.4
99	60.0	51.0	76.4



#53
 1,3-Dichloropropane
 Concen: 0.593 ug/l
 RT: 8.61 min Scan# 2260
 Delta R.T. 0.01 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion:	76	Resp:	3455
Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.4	38.2

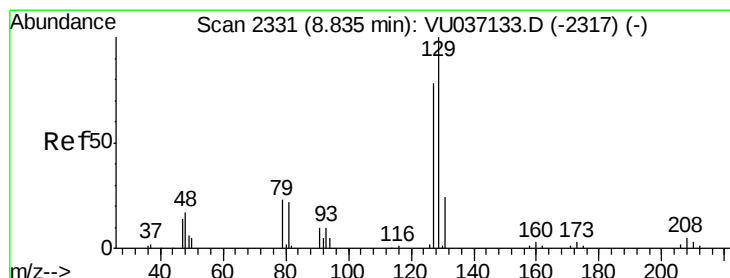
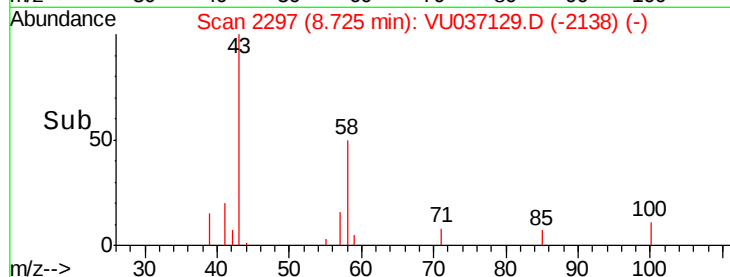
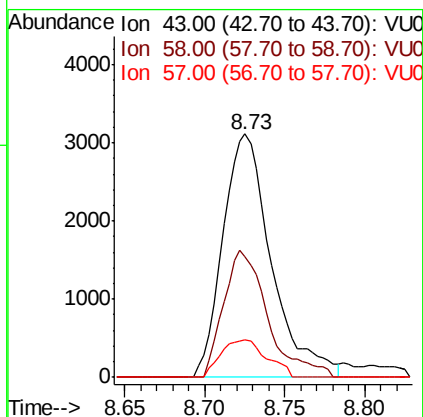
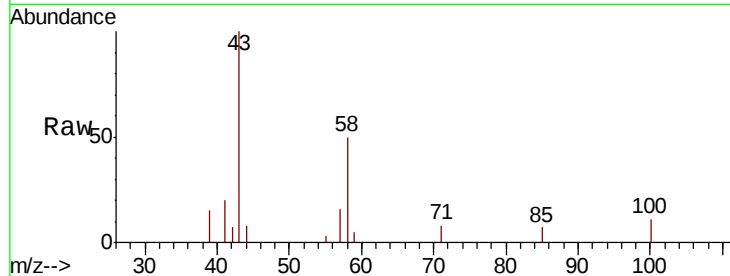




#54
2-Hexanone
Concen: 3.413 ug/l
RT: 8.73 min Scan# 2297
Delta R.T. 0.01 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

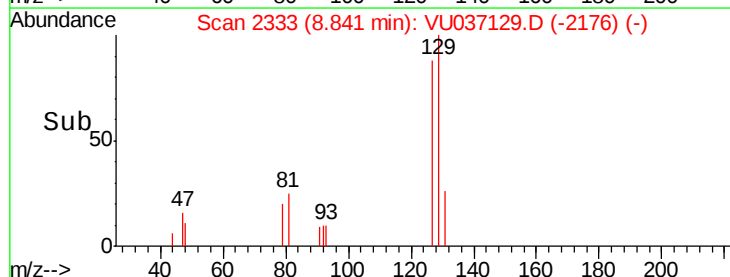
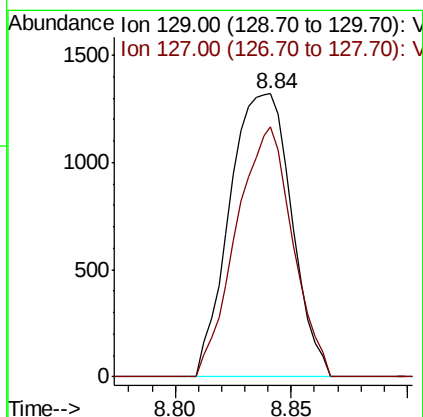
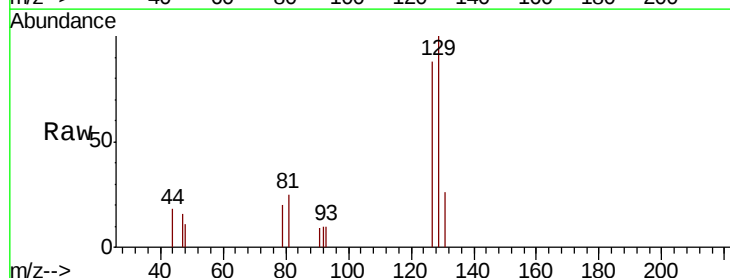
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

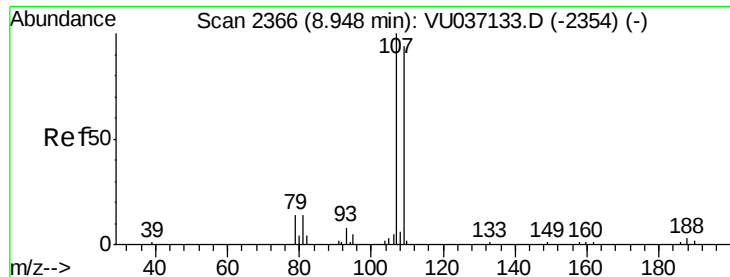
Tot Ion: 43 Resp: 6457
Ion Ratio Lower Upper
43 100
58 47.6 40.6 80.6
57 14.5 1.2 41.2



#55
Dibromochloromethane
Concen: 0.626 ug/l
RT: 8.84 min Scan# 2333
Delta R.T. 0.01 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion: 129 Resp: 2449
Ion Ratio Lower Upper
129 100
127 80.6 62.6 94.0

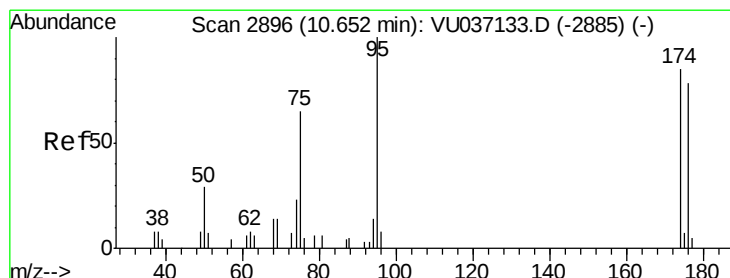
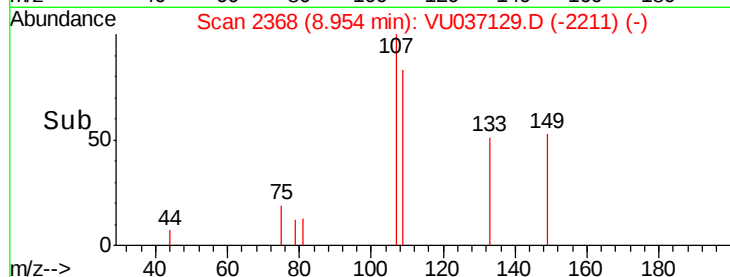
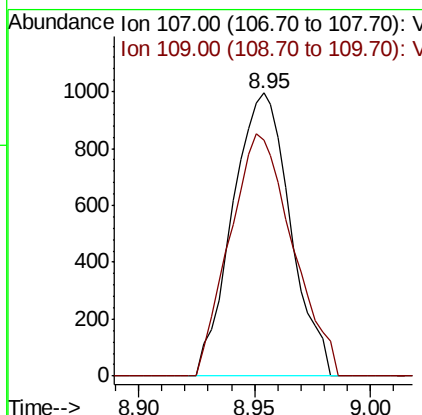
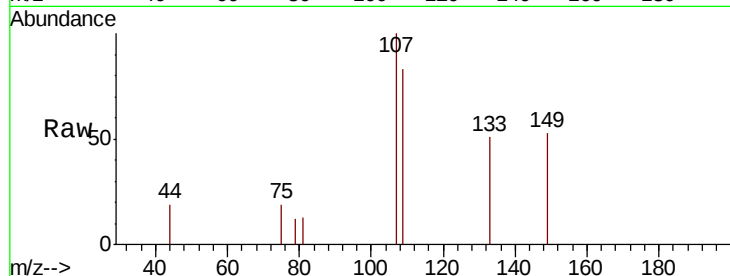




#56
 1,2-Dibromoethane
 Concen: 0.525 ug/l
 RT: 8.95 min Scan# 2368
 Delta R.T. 0.01 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

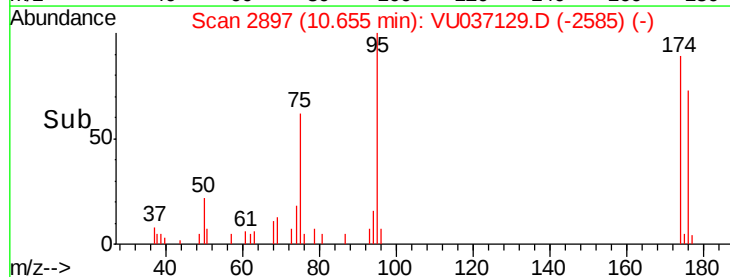
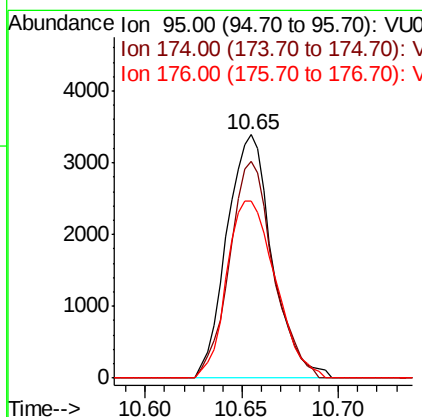
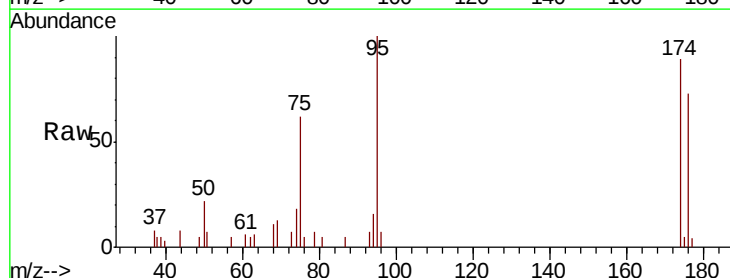
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

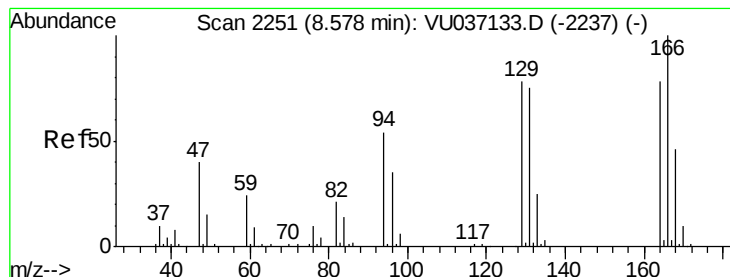
Tot Ion:107 Resp: 1719
 Ion Ratio Lower Upper
 107 100
 109 93.2 0.0 190.8



#57
 4-Bromofluorobenzene
 Concen: 0.889 ug/l
 RT: 10.65 min Scan# 2897
 Delta R.T. 0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion: 95 Resp: 5527
 Ion Ratio Lower Upper
 95 100
 174 85.7 64.7 97.1
 176 78.3 60.6 91.0





#58

Tetrachloroethene

Concen: 0.520 ug/l

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:164 Resp: 2617

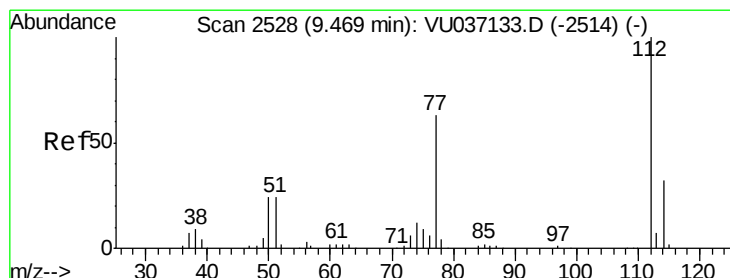
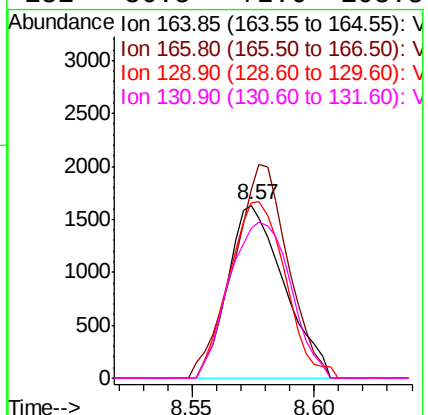
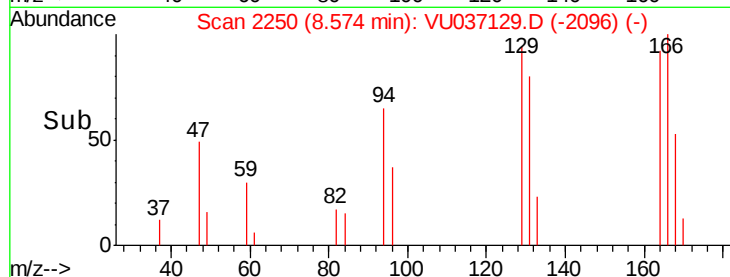
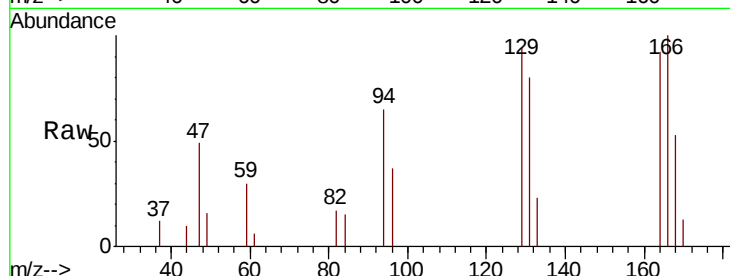
Ion Ratio Lower Upper

164 100

166 108.5 102.0 153.0

129 101.5 74.9 112.3

131 86.5 72.6 108.8



#59

Chlorobenzene

Concen: 0.547 ug/l

RT: 9.47 min Scan# 2529

Delta R.T. 0.00 min

Lab File: VU037129.D

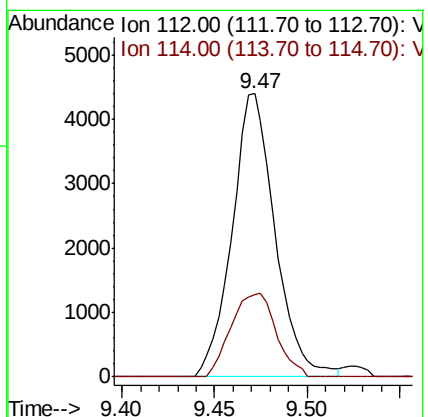
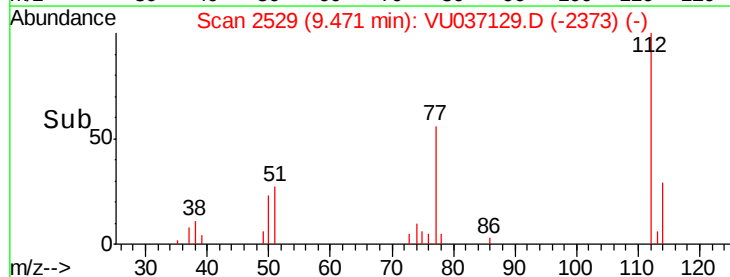
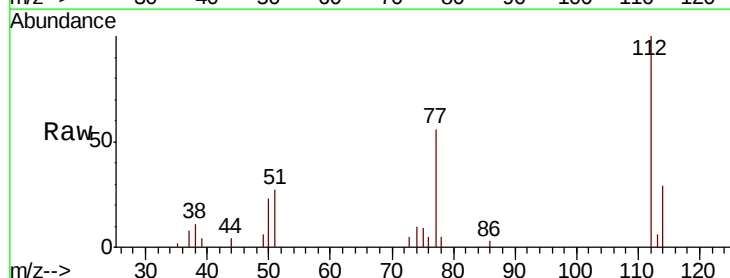
Acq: 09 Mar 2020 12:23

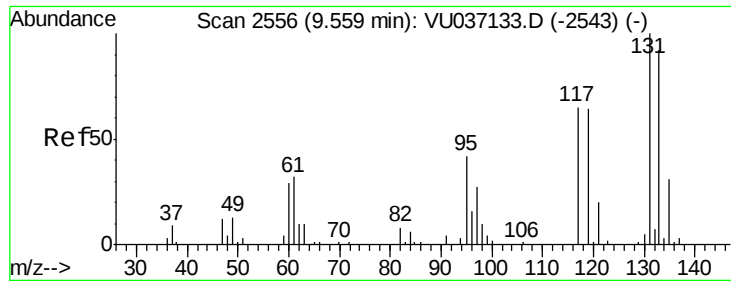
Tgt Ion:112 Resp: 7095

Ion Ratio Lower Upper

112 100

114 29.2 25.8 38.8





#60

1,1,1,2-Tetrachloroethane

Concen: 0.573 ug/l

RT: 9.56 min Scan# 2555

Delta R.T. -0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

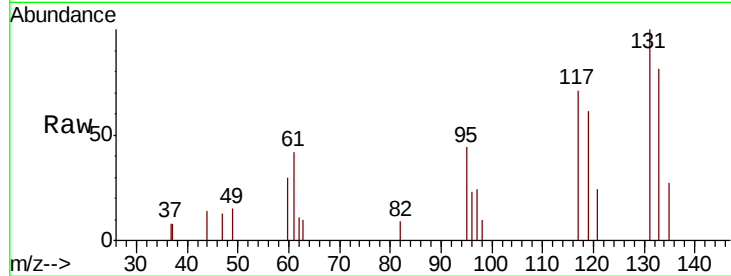
Tot Ion:131 Resp: 2373

Ion Ratio Lower Upper

131 100

133 94.7 76.4 114.6

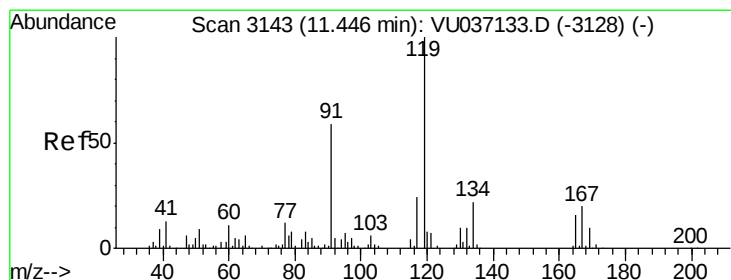
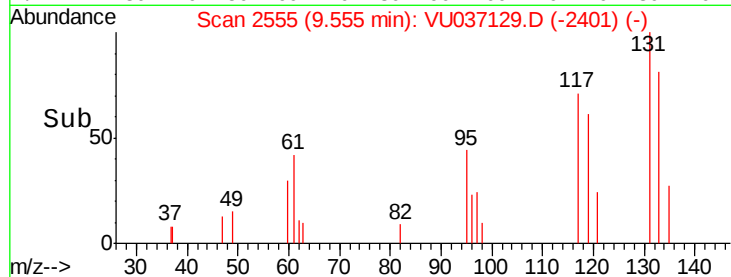
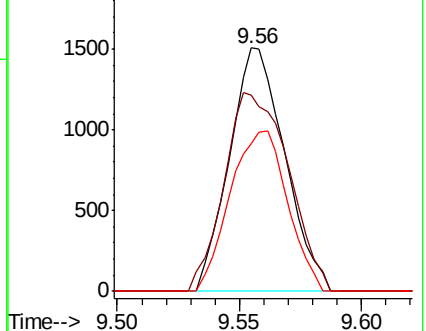
119 68.1 56.6 85.0



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: 0.701 ug/l

RT: 11.45 min Scan# 3144

Delta R.T. 0.00 min

Lab File: VU037129.D

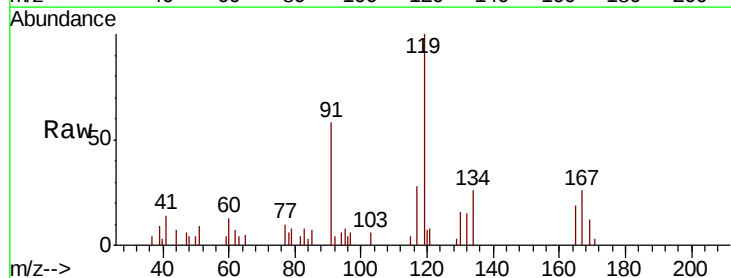
Acq: 09 Mar 2020 12:23

Tgt Ion:117 Resp: 1873

Ion Ratio Lower Upper

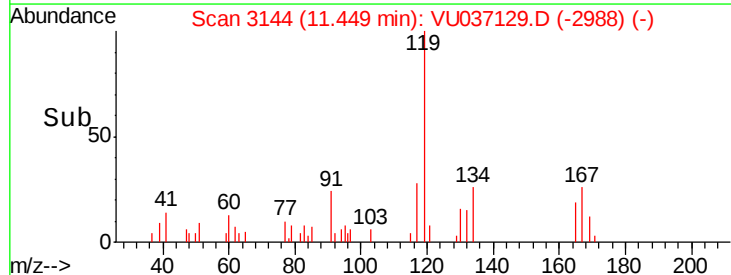
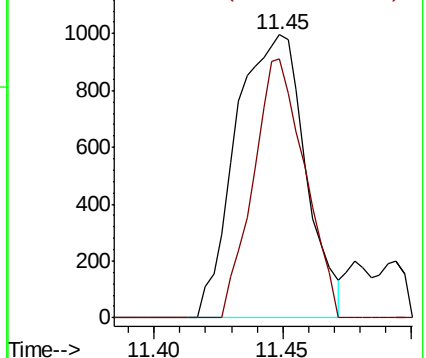
117 100

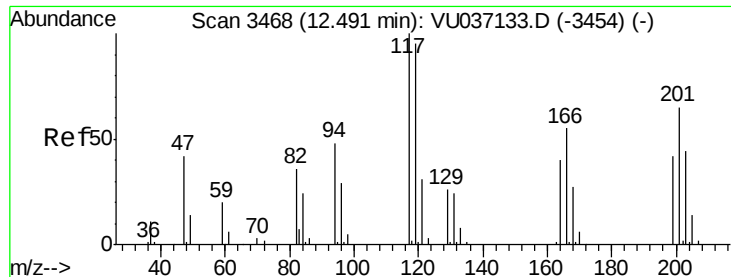
167 67.9 66.7 100.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V





#62

Hexachloroethane

Concen: 0.550 ug/l

RT: 12.49 min Scan# 3469

Delta R.T. 0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

ClientSampled :

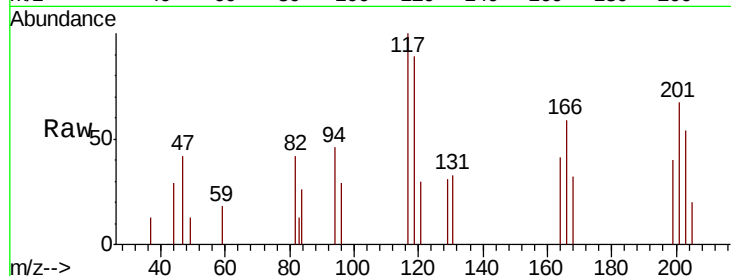
VSTDIC0.5

Tot Ion:117 Resp: 1874

Ion Ratio Lower Upper

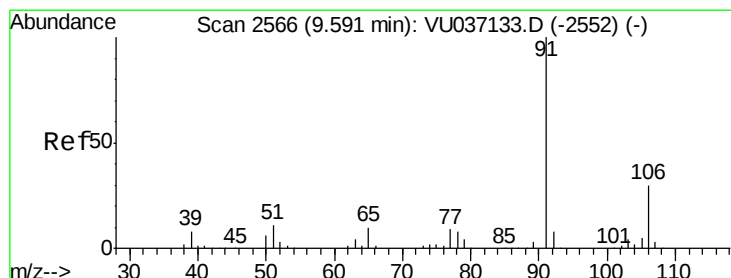
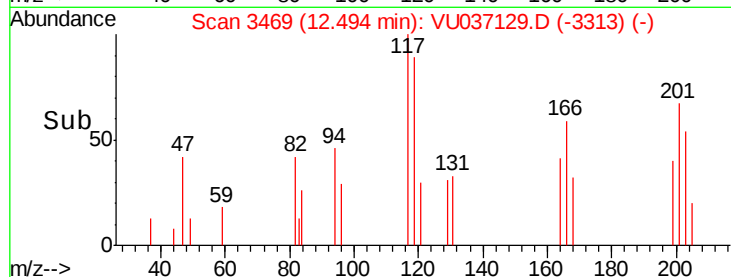
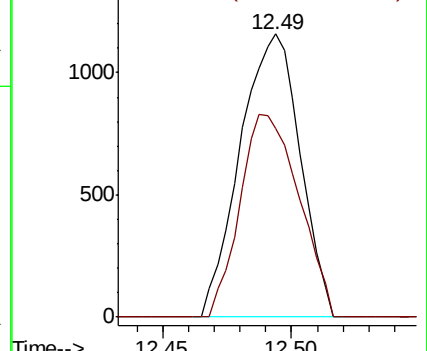
117 100

201 70.4 65.0 97.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V



#63

Ethyl Benzene

Concen: 0.498 ug/l

RT: 9.59 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VU037129.D

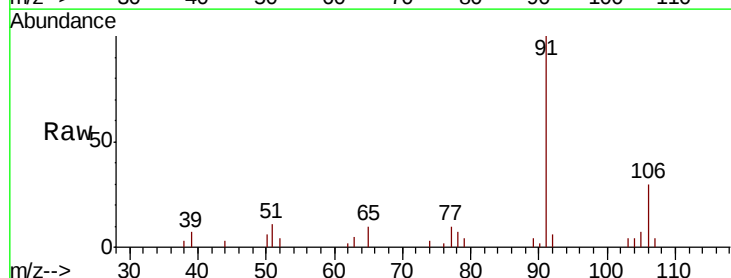
Acq: 09 Mar 2020 12:23

Tgt Ion: 91 Resp: 10821

Ion Ratio Lower Upper

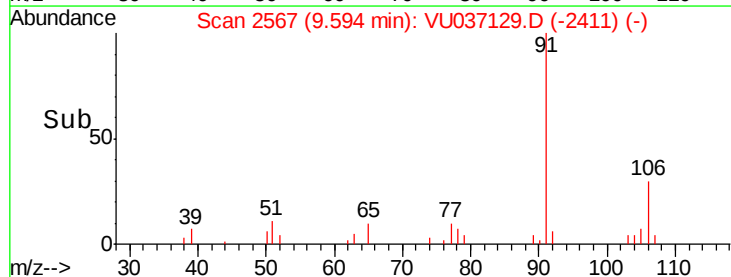
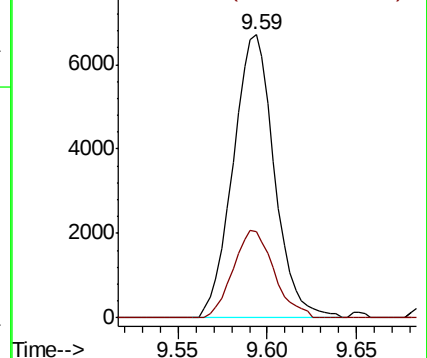
91 100

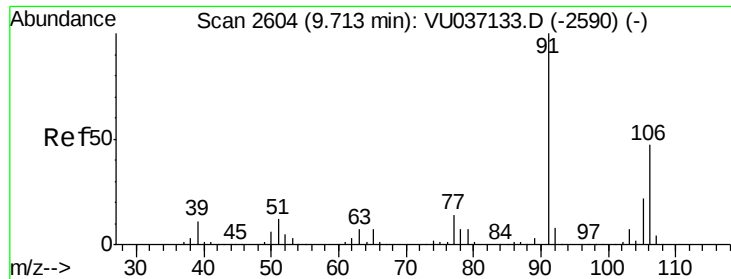
106 30.4 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

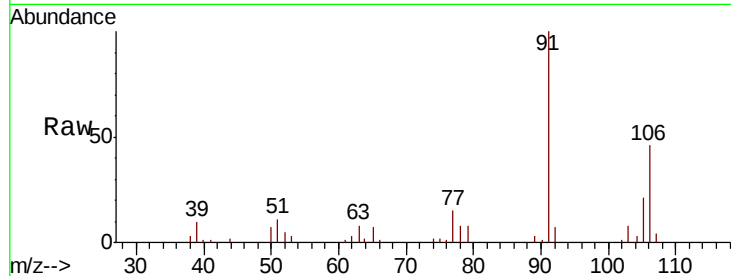




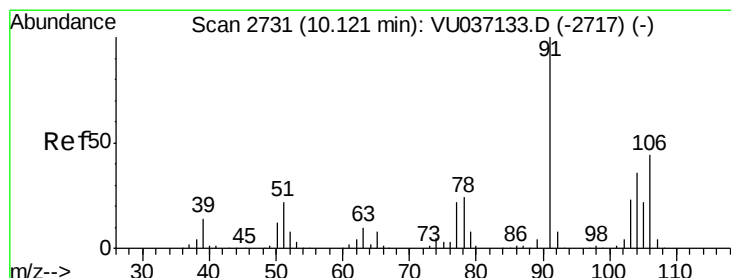
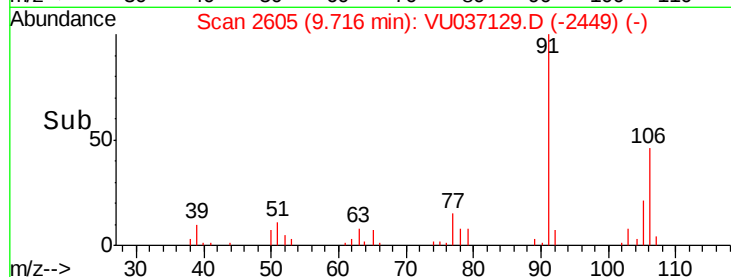
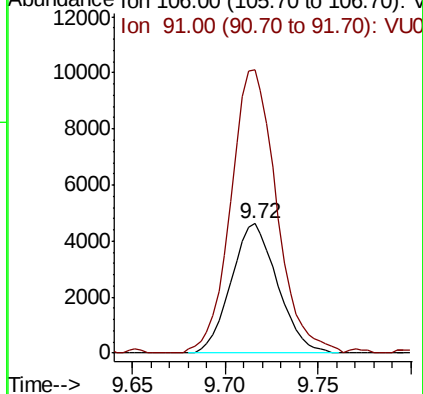
#64
m/p-Xylenes
Concen: 0.931 ug/l
RT: 9.72 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:106 Resp: 8015
Ion Ratio Lower Upper
106 100
91 216.5 158.2 237.4

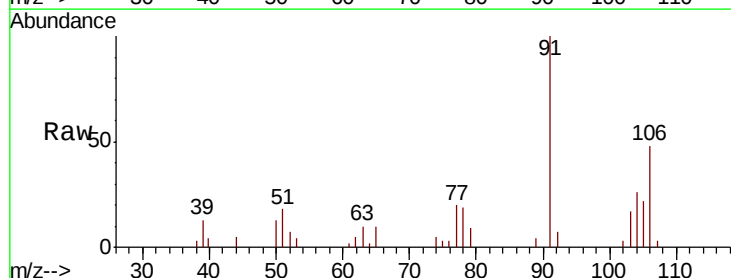


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

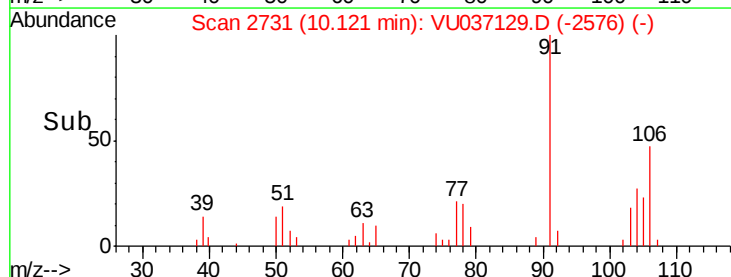
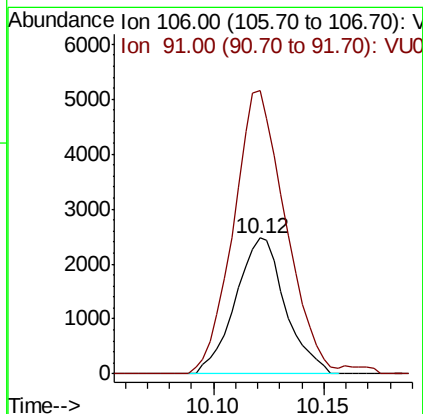


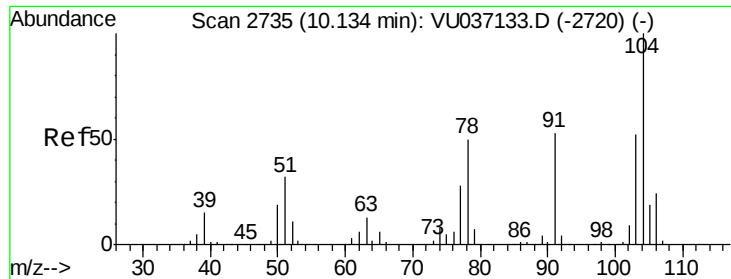
#65
o-Xylene
Concen: 0.464 ug/l
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion:106 Resp: 3867
Ion Ratio Lower Upper
106 100
91 218.1 104.3 312.9



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

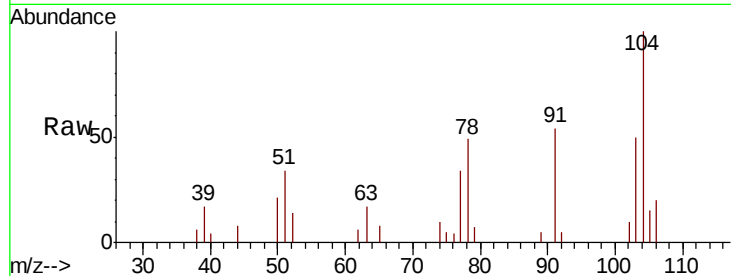




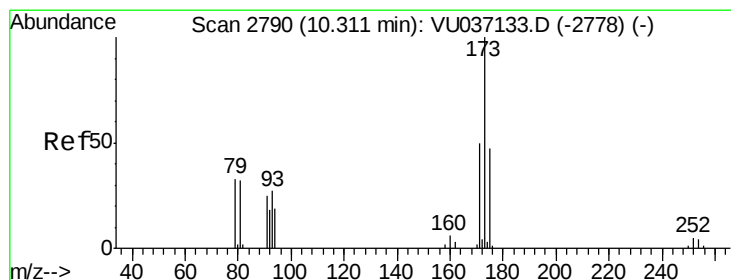
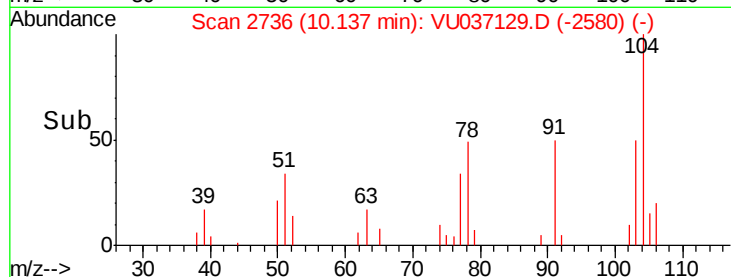
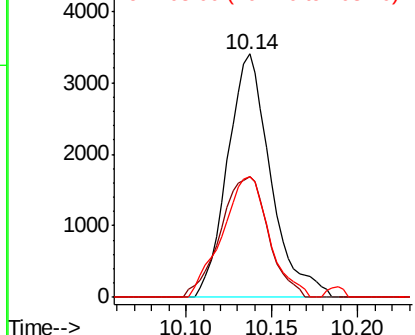
#66
Stvrene
Concen: 0.425 ug/l
RT: 10.14 min Scan# 2736
Delta R.T. 0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:104 Resp: 5931
Ion Ratio Lower Upper
104 100
78 54.5 38.6 57.8
103 54.0 44.4 66.6

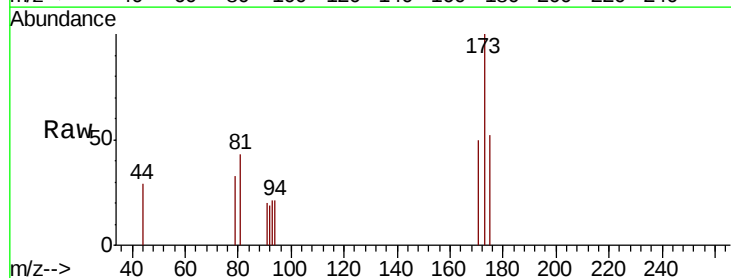


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V

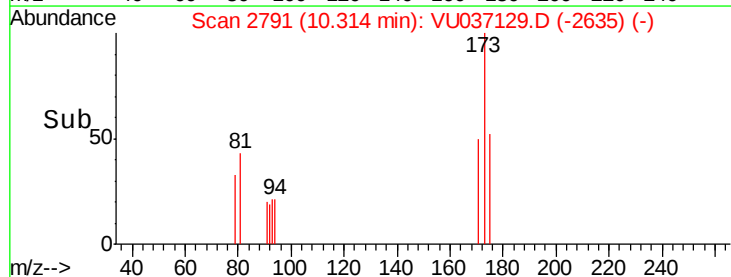
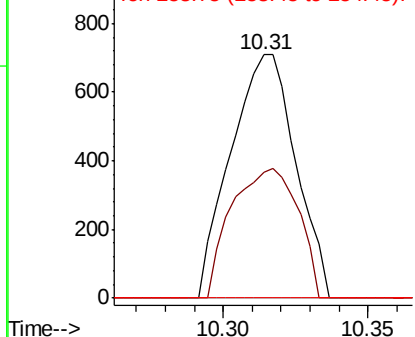


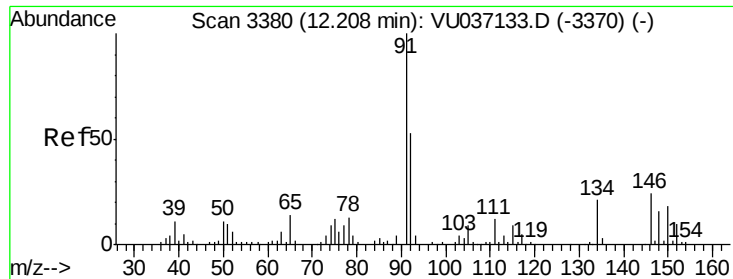
#67
Bromoform
Concen: 0.493 ug/l
RT: 10.31 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion:173 Resp: 1104
Ion Ratio Lower Upper
173 100
175 54.5 38.3 57.5
254 0.0 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

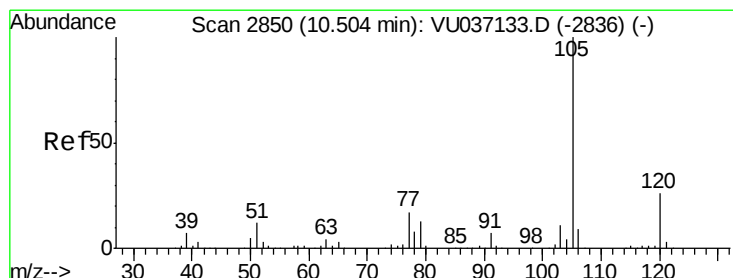
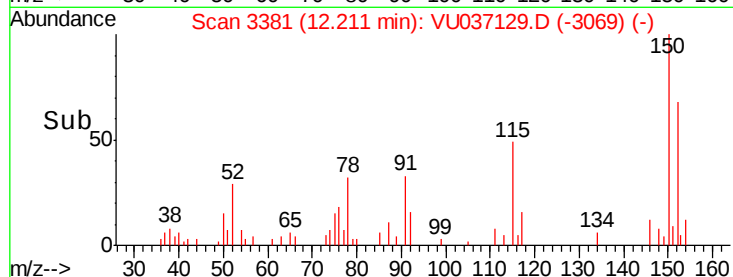
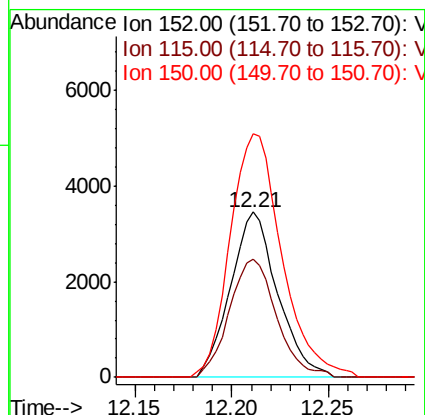
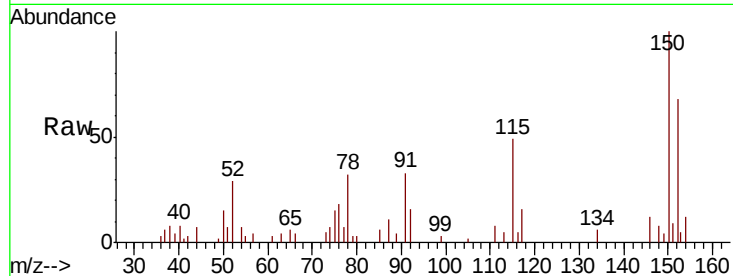




#68
1,2-Dichlorobenzene-d4
Concen: 0.919 ug/l
RT: 12.21 min Scan# 3381
Delta R.T. 0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

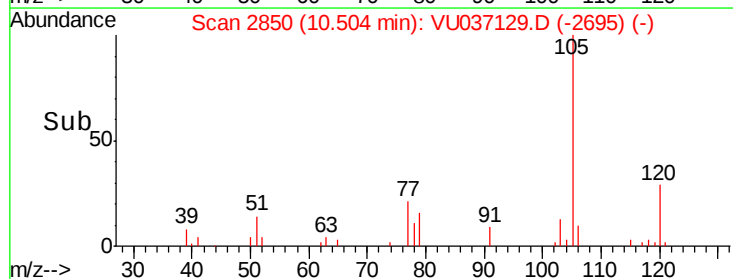
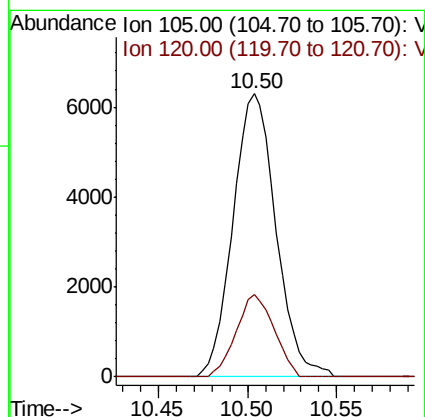
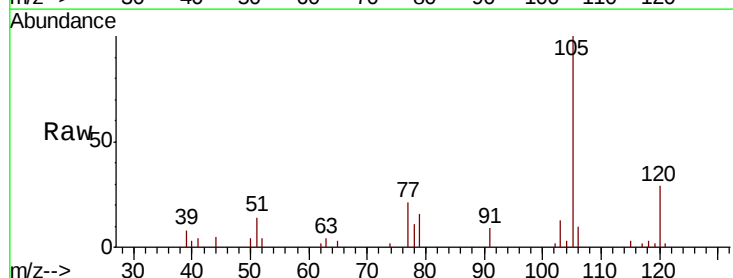
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

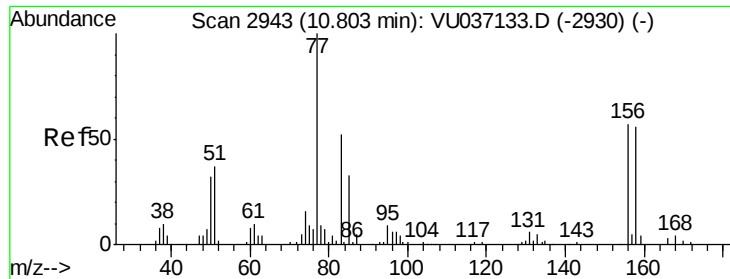
Tot Ion:152 Resp: 5845
Ion Ratio Lower Upper
152 100
115 71.8 0.0 241.8
150 161.9 0.0 652.4



#69
Isopropylbenzene
Concen: 0.483 ug/l
RT: 10.50 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion:105 Resp: 10571
Ion Ratio Lower Upper
105 100
120 25.7 13.6 40.7





#70

1,1,2,2-Tetrachloroethane

Concen: 0.528 ug/l

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

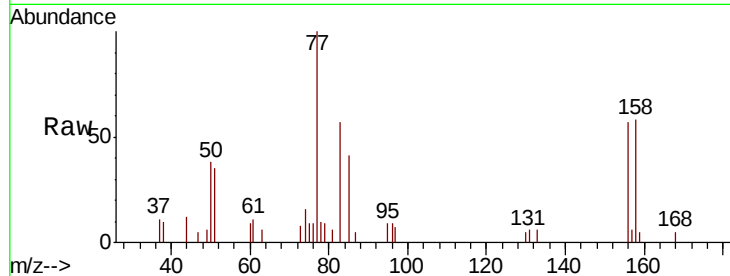
Tot Ion: 83 Resp: 2264

Ion Ratio Lower Upper

83 100

131 8.3 7.8 11.8

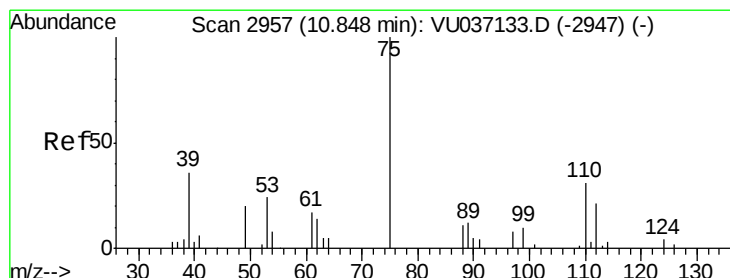
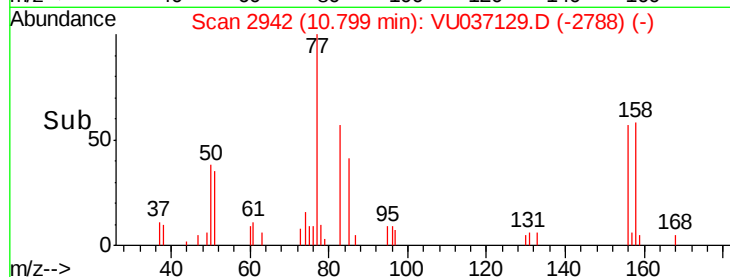
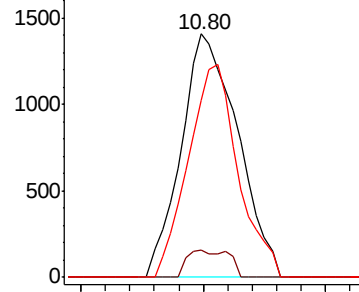
85 76.5 53.2 79.8



Abundance Ion 83.00 (82.70 to 83.70): VU037129.D (-2788) (-)

Ion 131.00 (130.70 to 131.70): VU037129.D (-2788) (-)

Ion 85.00 (84.70 to 85.70): VU037129.D (-2788) (-)



#71

1,2,3-Trichloropropane

Concen: 1.001 ug/l

RT: 10.84 min Scan# 2956

Delta R.T. -0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Tgt Ion: 75 Resp: 3061

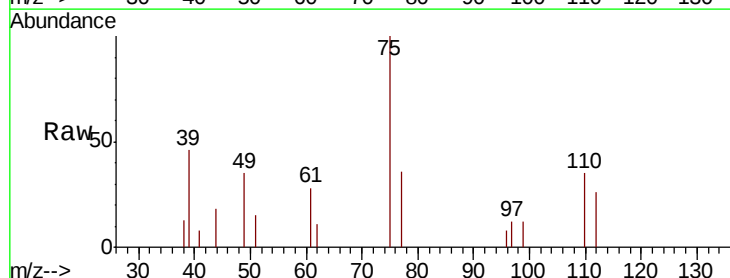
Ion Ratio Lower Upper

75 100

77 0.0 0.0 129.6

110 20.4 0.0 77.4

97 7.3 0.0 42.0

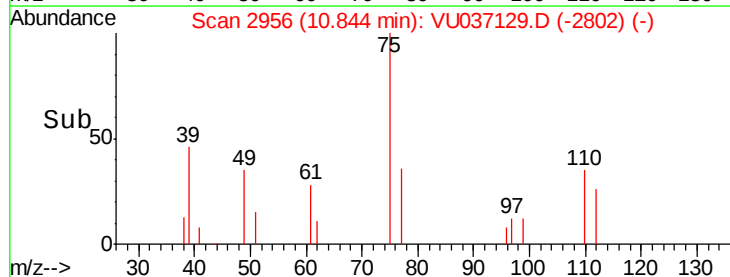
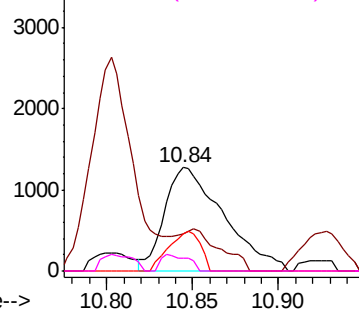


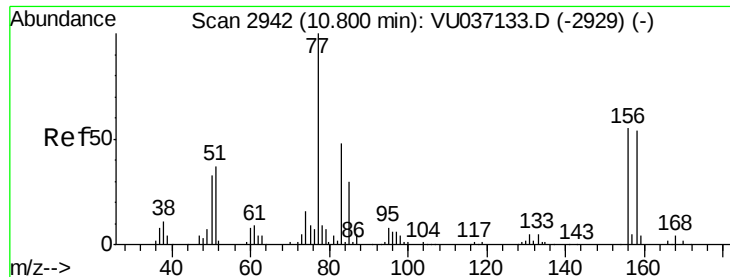
Abundance Ion 75.00 (74.70 to 75.70): VU037129.D (-2802) (-)

Ion 77.00 (76.70 to 77.70): VU037129.D (-2802) (-)

Ion 110.00 (109.70 to 110.70): VU037129.D (-2802) (-)

Ion 97.00 (96.70 to 97.70): VU037129.D (-2802) (-)





#72

Bromobenzene

Concen: 0.512 ug/l

RT: 10.81 min Scan# 2944

Delta R.T. 0.01 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

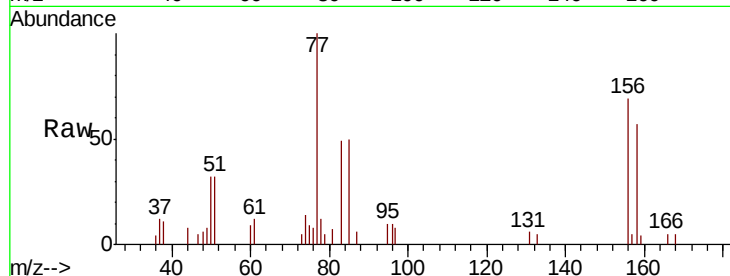
Tot Ion:156 Resp: 2702

Ion Ratio Lower Upper

156 100

77 163.3 0.0 306.6

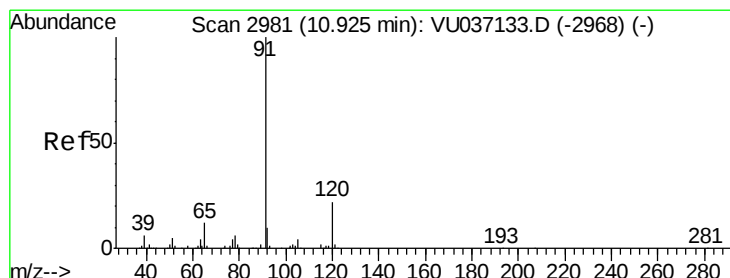
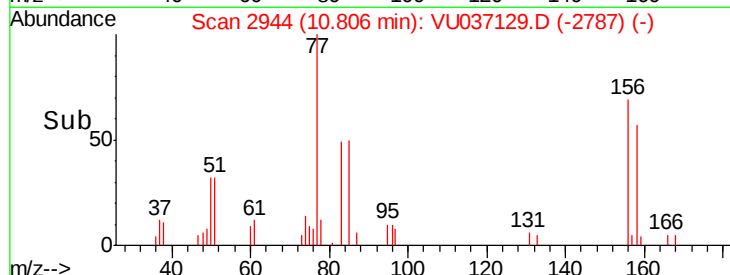
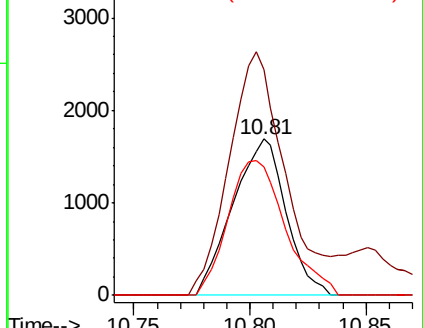
158 92.6 0.0 192.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V



#73

n-propylbenzene

Concen: 0.428 ug/l

RT: 10.92 min Scan# 2981

Delta R.T. -0.00 min

Lab File: VU037129.D

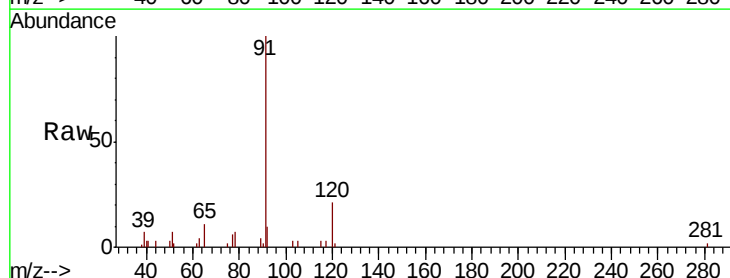
Acq: 09 Mar 2020 12:23

Tgt Ion:120 Resp: 2630

Ion Ratio Lower Upper

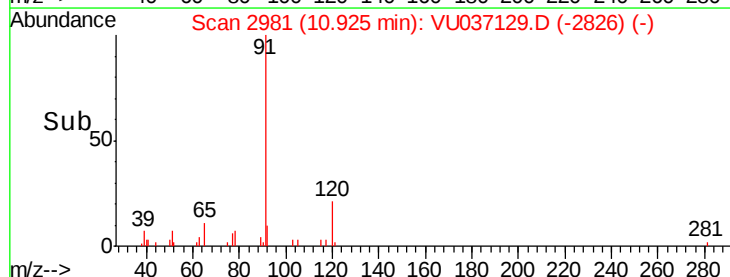
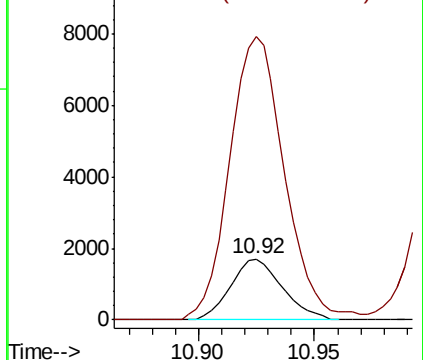
120 100

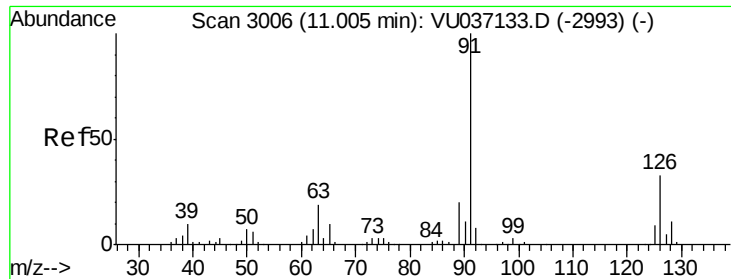
91 495.7 329.5 494.3#



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0





#74

2-Chlorotoluene

Concen: 0.485 ug/l

RT: 11.01 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

ClientSampleId :

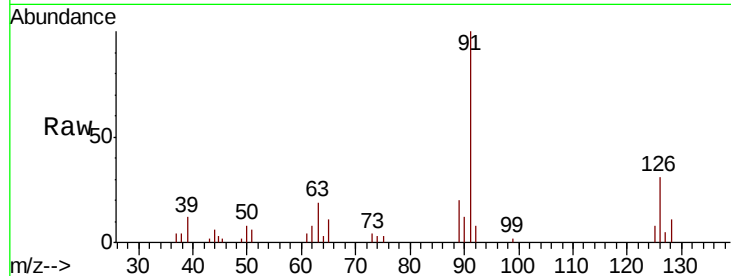
VSTDIC0.5

Tot Ion:126 Resp: 2557

Ion Ratio Lower Upper

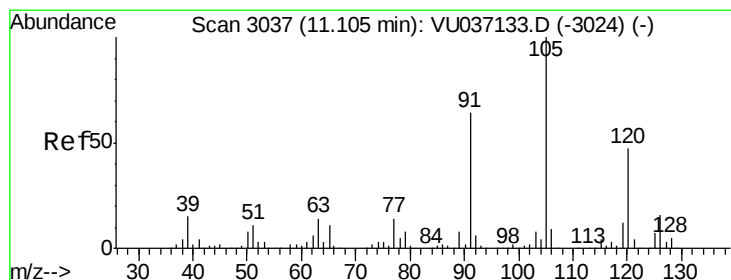
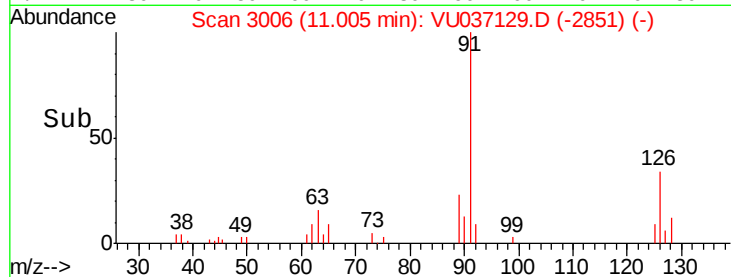
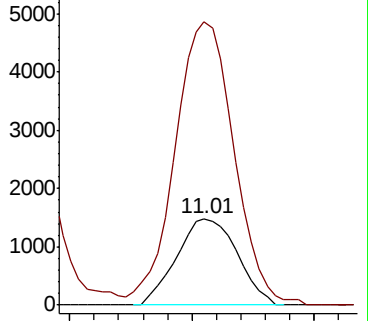
126 100

91 318.7 0.0 567.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



#75

1,3,5-Trimethylbenzene

Concen: 0.450 ug/l

RT: 11.11 min Scan# 3038

Delta R.T. 0.00 min

Lab File: VU037129.D

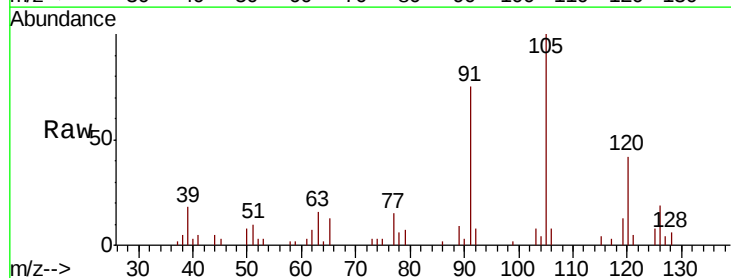
Acq: 09 Mar 2020 12:23

Tgt Ion:105 Resp: 8443

Ion Ratio Lower Upper

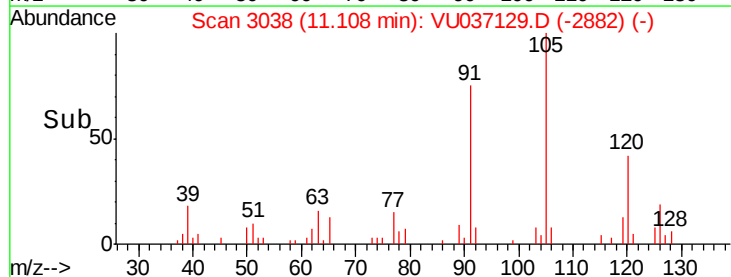
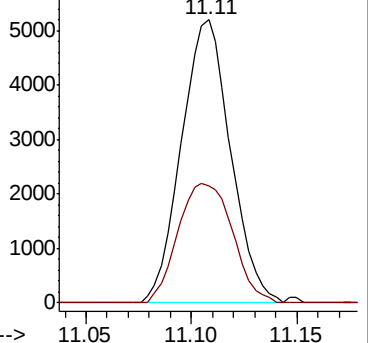
105 100

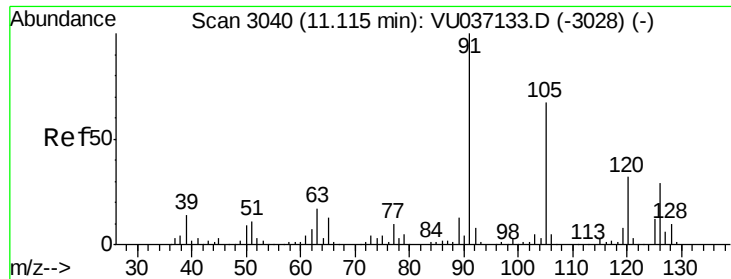
120 46.7 39.8 59.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

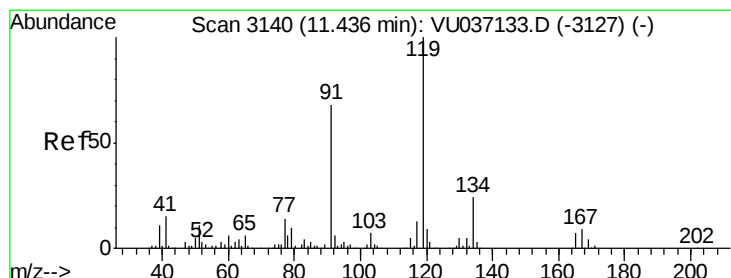
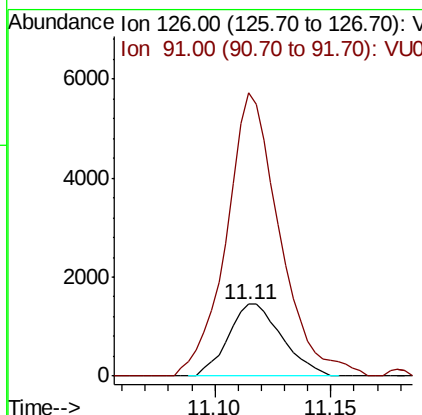
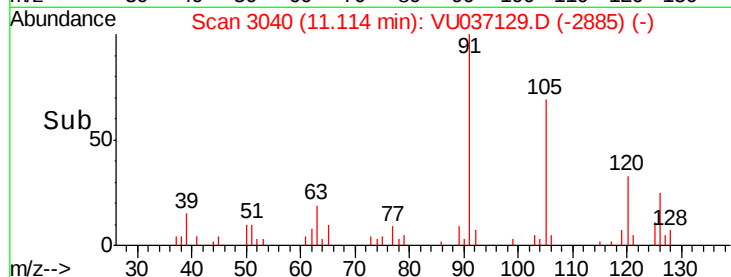
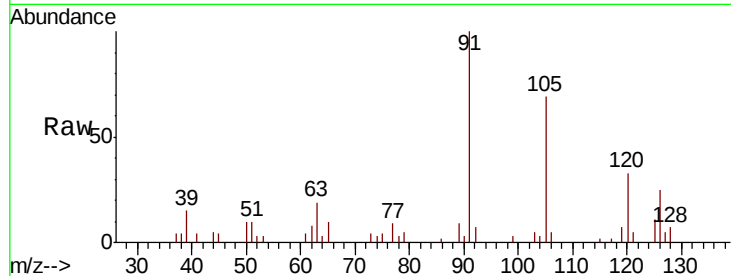




#76
4-Chlorotoluene
Concen: 0.431 ug/l
RT: 11.11 min Scan# 3040
Delta R.T. -0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

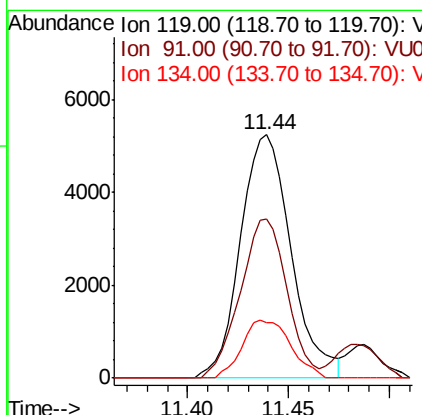
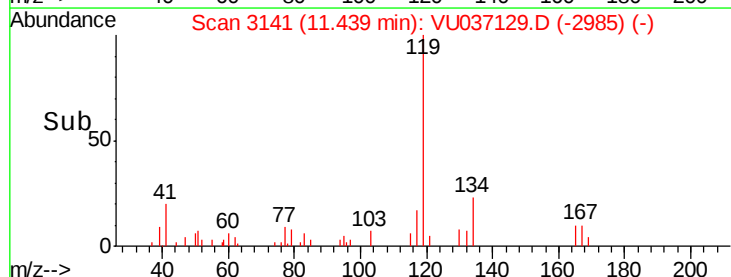
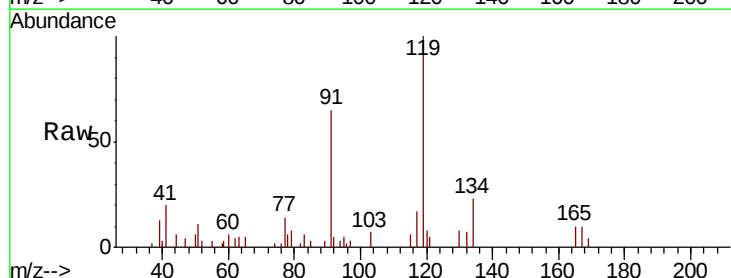
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

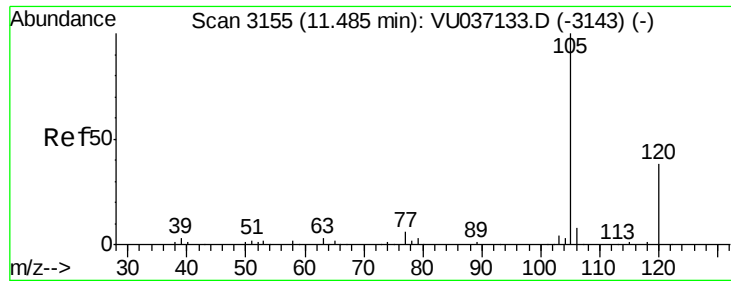
Tot Ion:126 Resp: 2350
Ion Ratio Lower Upper
126 100
91 388.0 0.0 633.0



#77
tert-Butylbenzene
Concen: 0.519 ug/l
RT: 11.44 min Scan# 3141
Delta R.T. 0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion:119 Resp: 9229
Ion Ratio Lower Upper
119 100
91 60.2 29.3 87.8
134 22.8 19.0 28.4

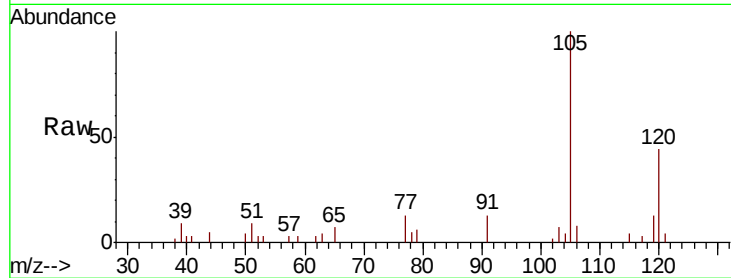




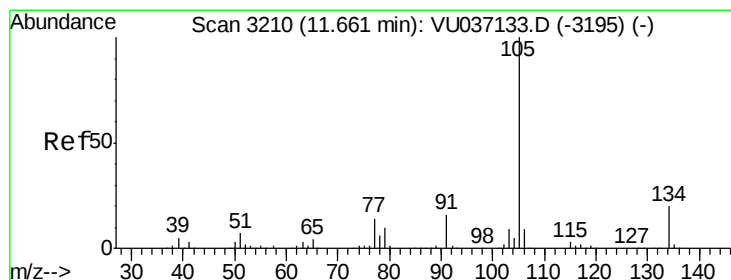
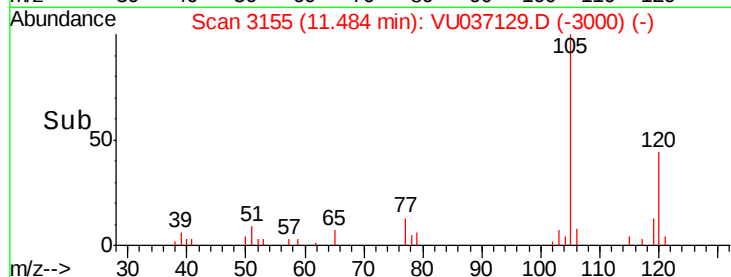
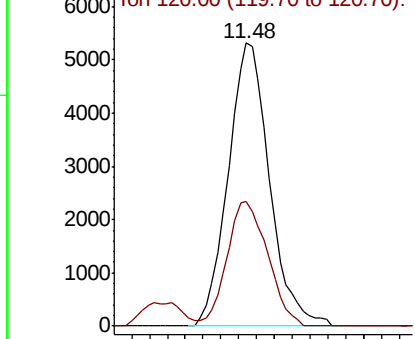
#78
 1,2,4-Trimethylbenzene
 Concen: 0.441 ug/l
 RT: 11.48 min Scan# 3155
 Delta R.T. -0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:105 Resp: 8535
 Ion Ratio Lower Upper
 105 100
 120 43.3 23.3 69.8

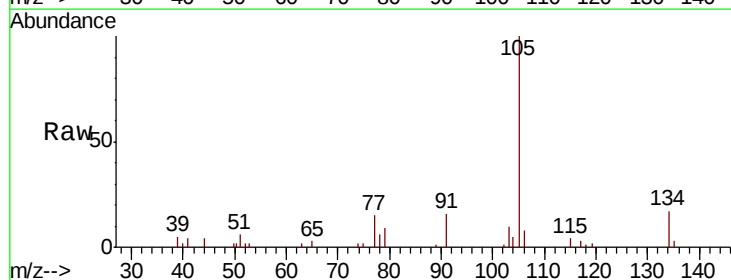


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

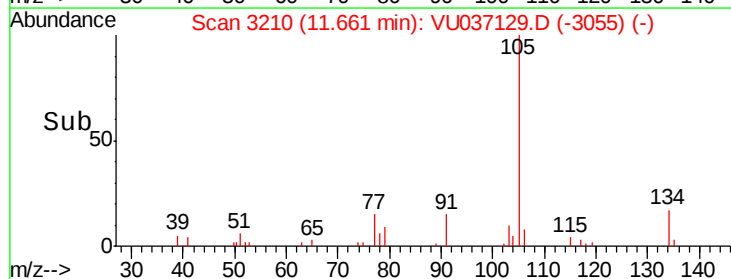
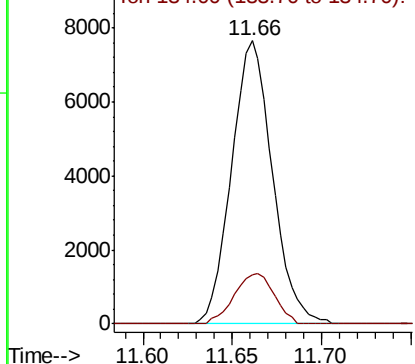


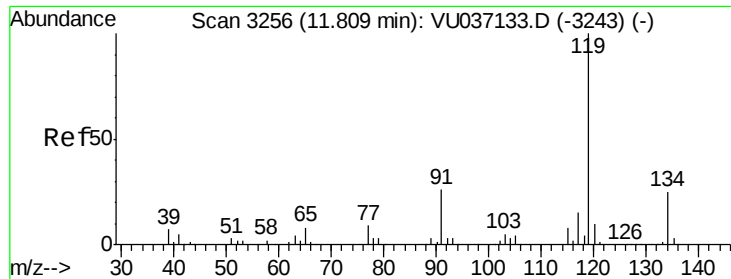
#79
 sec-Butylbenzene
 Concen: 0.493 ug/l
 RT: 11.66 min Scan# 3210
 Delta R.T. -0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion:105 Resp: 12169
 Ion Ratio Lower Upper
 105 100
 134 17.4 16.0 24.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

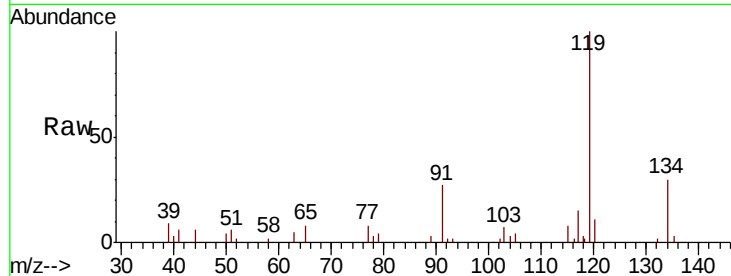




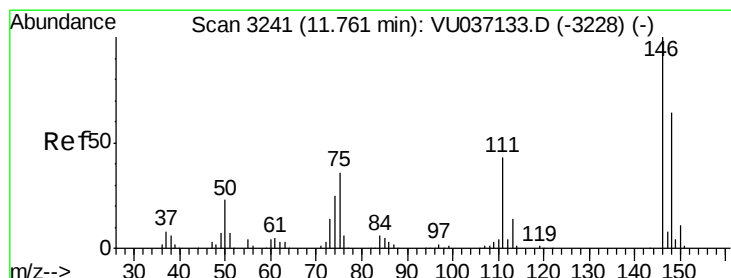
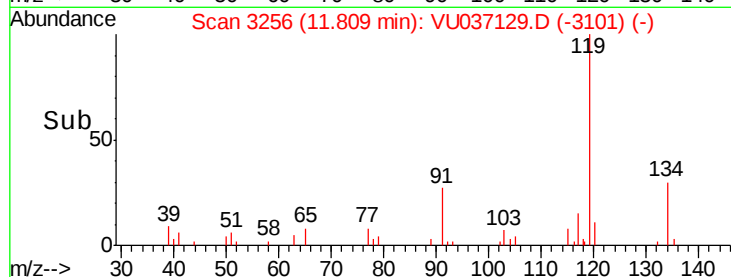
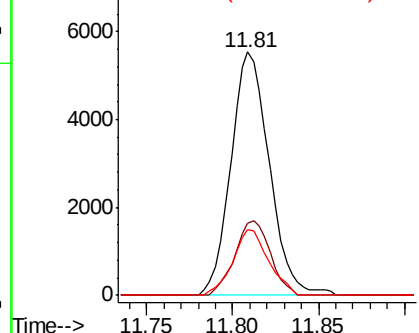
#81
 p-Isopropyltoluene
 Concen: 0.419 ug/l
 RT: 11.81 min Scan# 3256
 Delta R.T. -0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:119 Resp: 8644
 Ion Ratio Lower Upper
 119 100
 134 28.3 21.4 32.0
 91 25.2 18.3 27.5

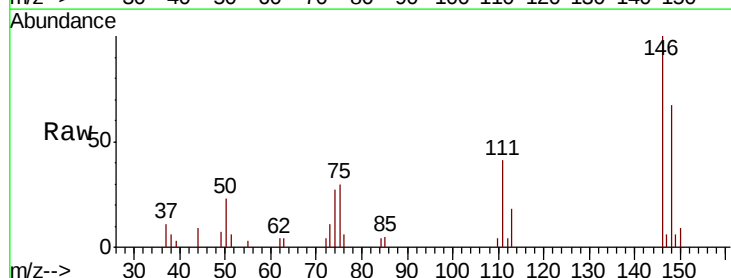


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

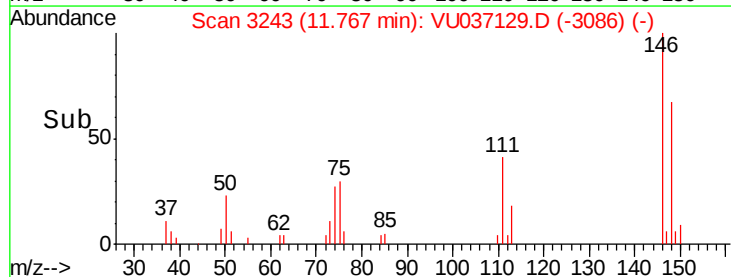
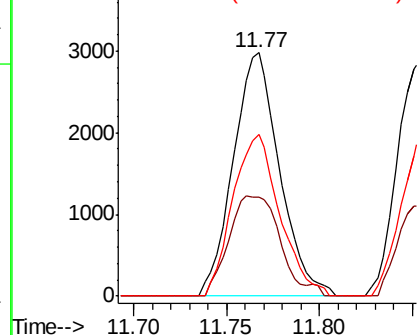


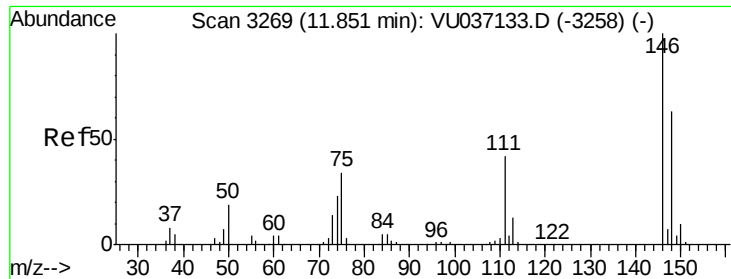
#82
 1,3-Dichlorobenzene
 Concen: 0.490 ug/l
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.01 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion:146 Resp: 5167
 Ion Ratio Lower Upper
 146 100
 111 45.4 32.2 48.2
 148 67.1 51.4 77.2



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

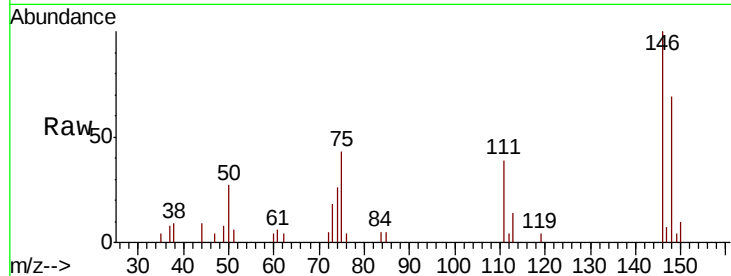




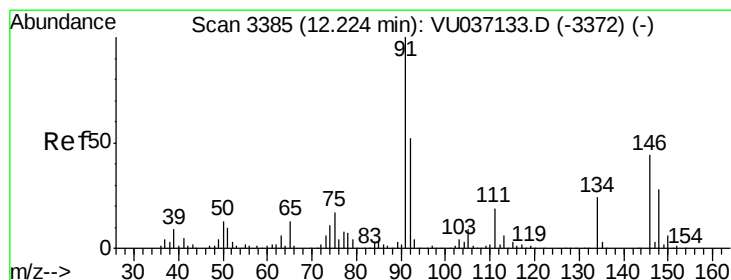
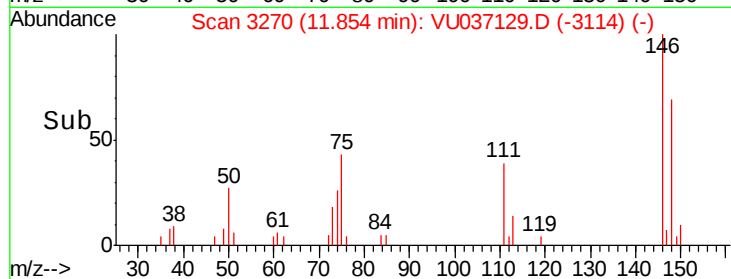
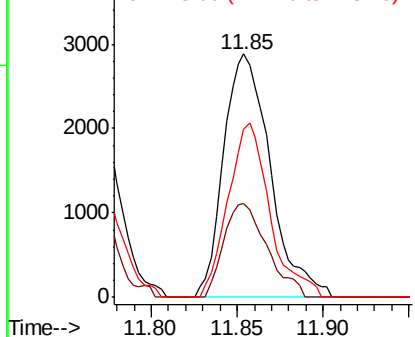
#83
 1,4-Dichlorobenzene
 Concen: 0.516 ug/l
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:146 Resp: 5440
 Ion Ratio Lower Upper
 146 100
 111 35.8 30.5 45.7
 148 64.0 51.0 76.4

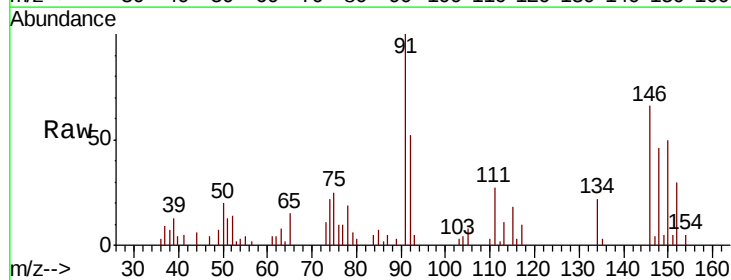


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

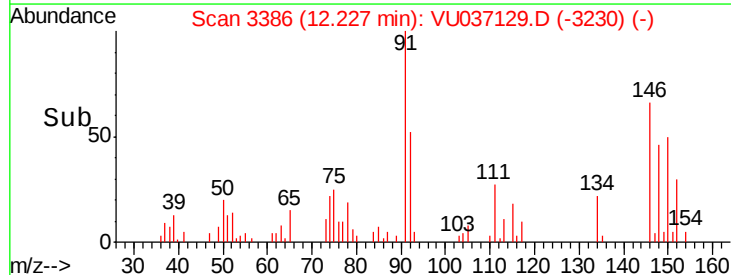
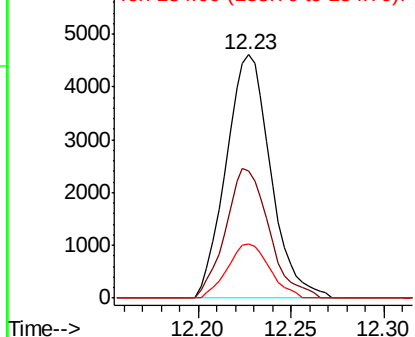


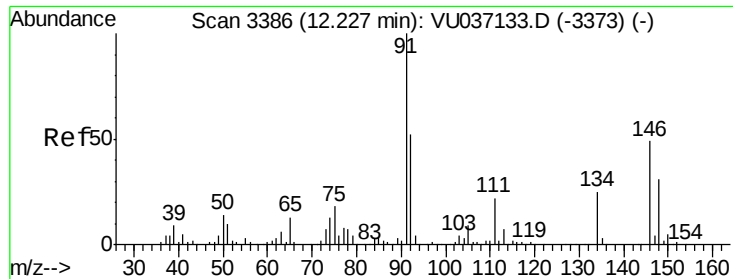
#84
 n-Butylbenzene
 Concen: 0.403 ug/l
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion: 91 Resp: 7692
 Ion Ratio Lower Upper
 91 100
 92 51.8 42.9 64.3
 134 21.2 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

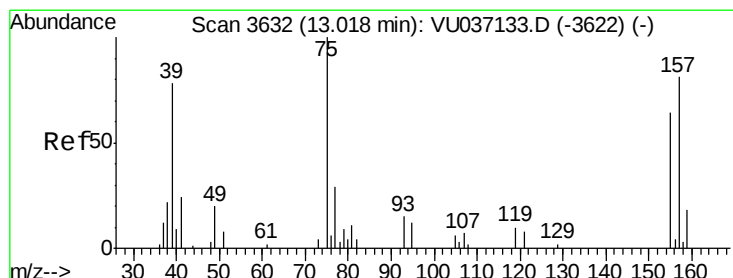
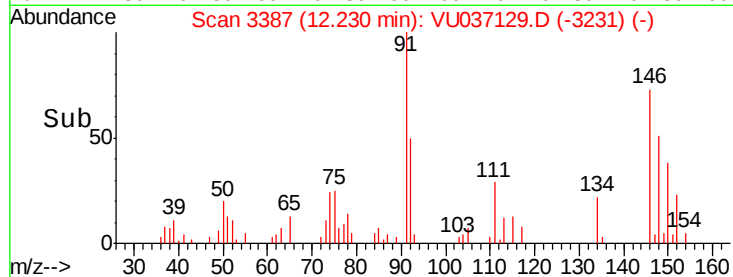
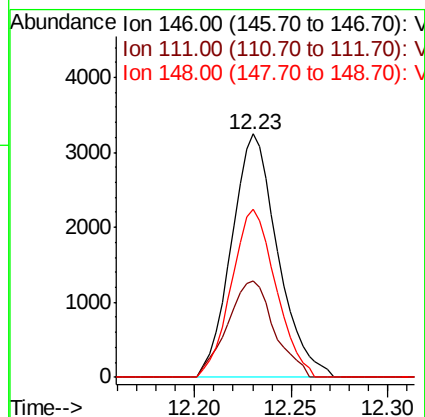
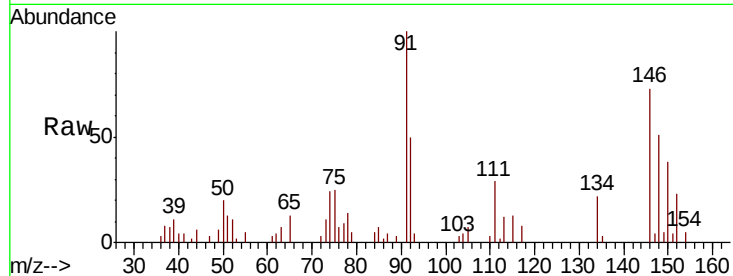




#85
 1,2-Dichlorobenzene
 Concen: 0.534 ug/l
 RT: 12.23 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

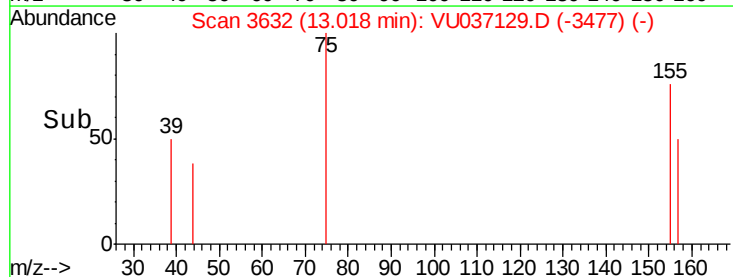
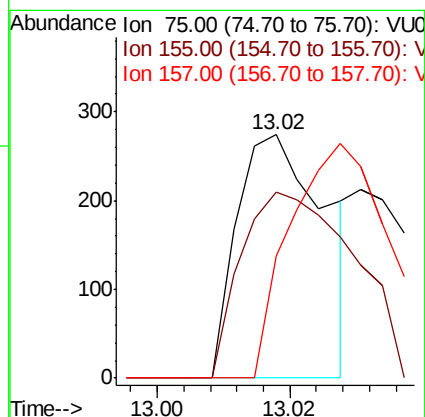
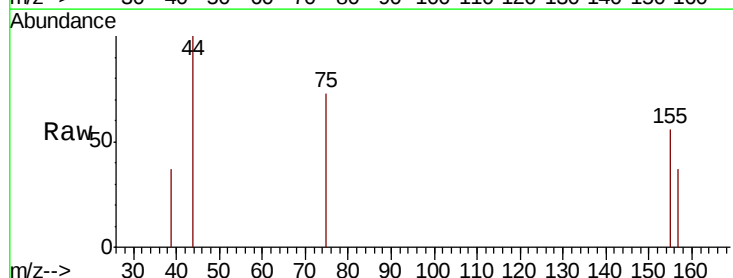
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

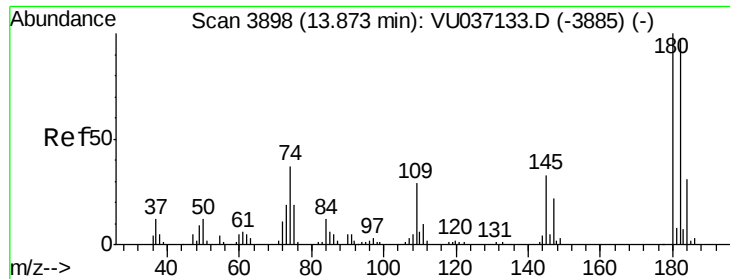
Tot Ion:146 Resp: 5391
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.8 62.4
 148 66.3 32.0 96.2



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.350 ug/l
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion: 75 Resp: 254
 Ion Ratio Lower Upper
 75 100
 155 97.2 71.8 107.8
 157 102.8 92.4 138.6

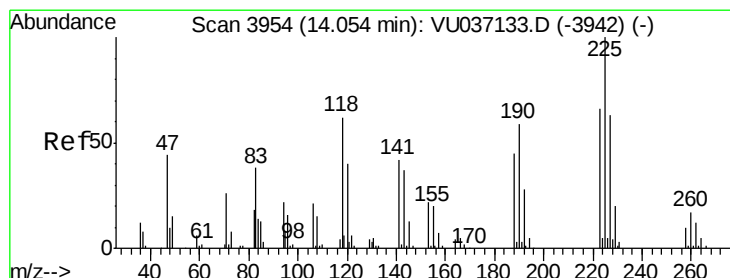
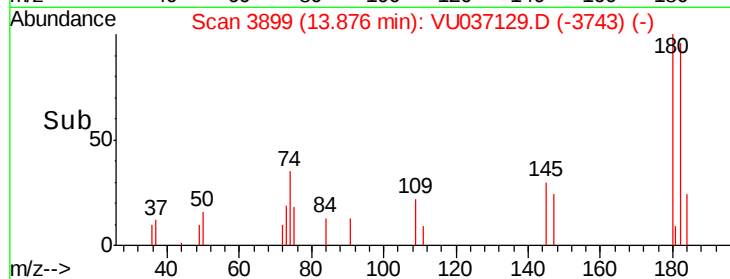
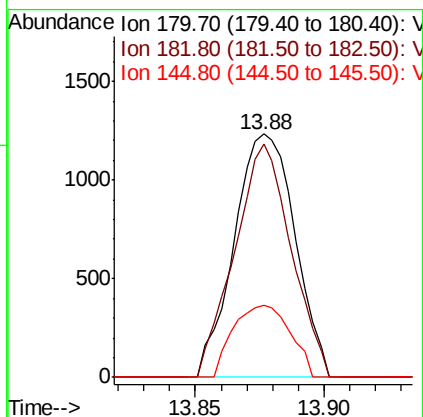
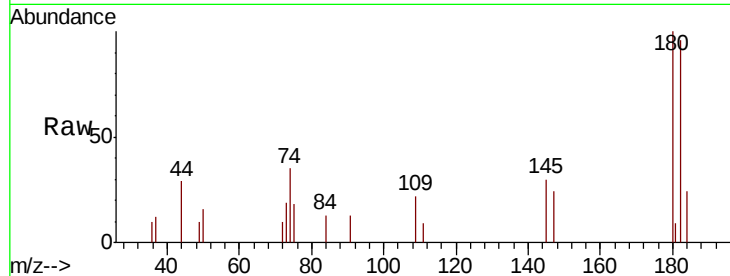




#87
 1,2,4-Trichlorobenzene
 Concen: 0.313 ug/l
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

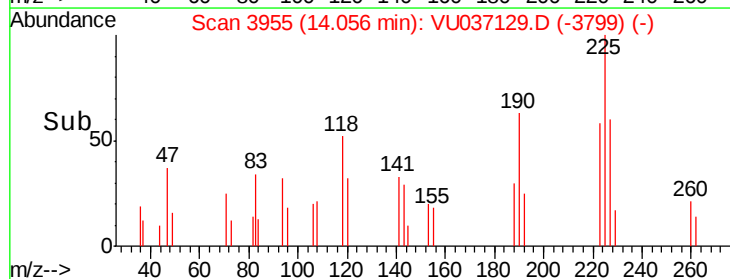
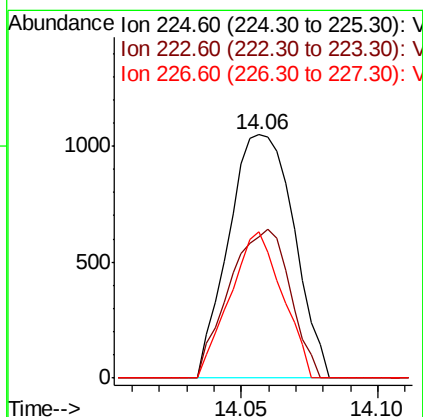
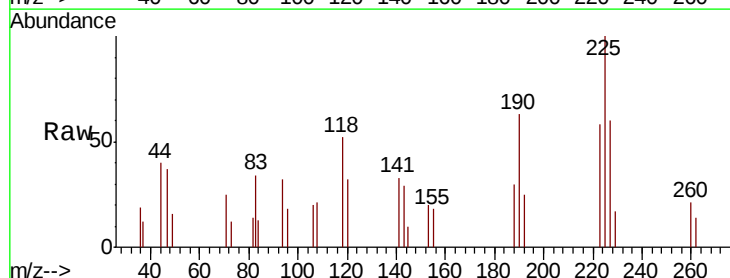
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

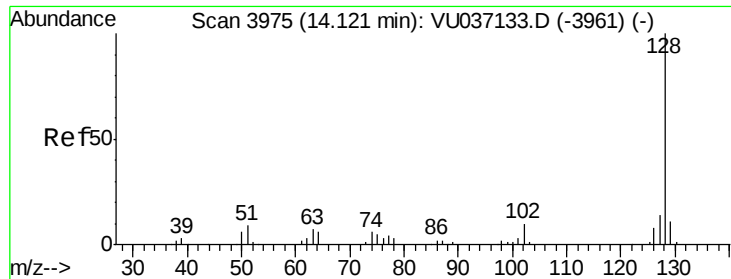
Tot Ion:180 Resp: 2025
 Ion Ratio Lower Upper
 180 100
 182 88.9 75.9 113.9
 145 27.7 23.4 35.2



#88
 Hexachlorobutadiene
 Concen: 0.493 ug/l
 RT: 14.06 min Scan# 3955
 Delta R.T. 0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion:225 Resp: 1745
 Ion Ratio Lower Upper
 225 100
 223 57.0 51.7 77.5
 227 48.2 50.6 75.8#





#89

Naphthalene

Concen: 0.299 ug/l

RT: 14.13 min Scan# 3977

Delta R.T. 0.01 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

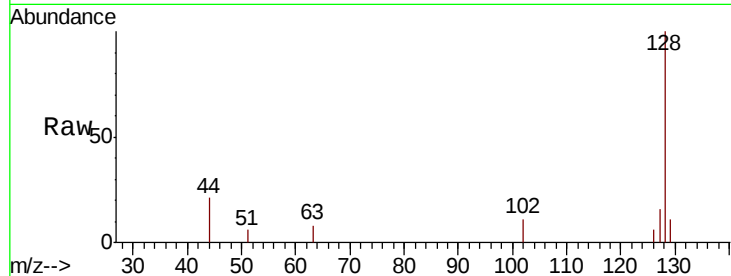
Tot Ion:128 Resp: 3332

Ion Ratio Lower Upper

128 100

127 13.6 10.5 15.7

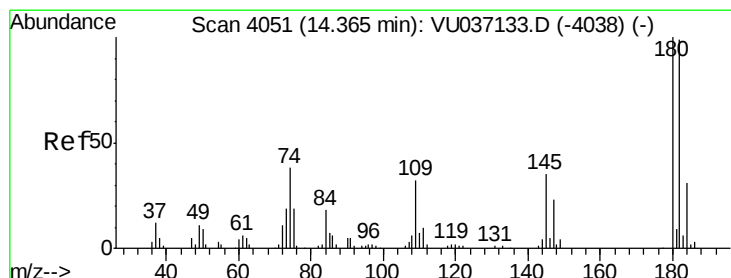
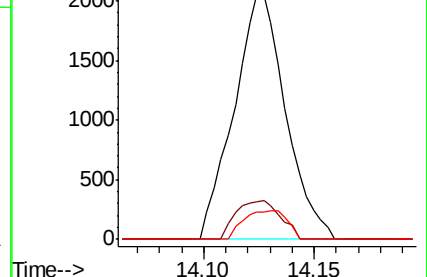
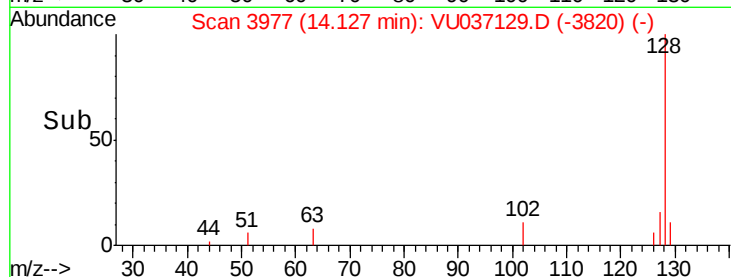
129 9.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 0.344 ug/l

RT: 14.37 min Scan# 4052

Delta R.T. 0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

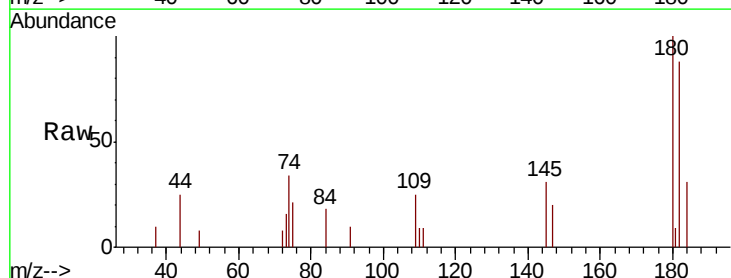
Tgt Ion:180 Resp: 2090

Ion Ratio Lower Upper

180 100

182 104.8 76.2 114.4

145 27.8 25.2 37.8



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

