

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U050420\
 Data File : VU037996.D
 Acq On : 04 May 2020 10:44
 Operator : JC/MD
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 05 01:38:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U050420DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue May 05 01:36:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.15	96	89984	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.65	95	34976	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	33882	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	15343	0.367	ug/l 97
3) Chloromethane	1.54	50	19367	0.460	ug/l 99
4) Vinyl Chloride	1.62	62	18135	0.479	ug/l 98
5) Bromomethane	1.87	94	13683	0.958	ug/l 100
6) Chloroethane	1.95	64	10834	0.571	ug/l 96
7) Trichlorofluoromethane	2.16	101	18278	0.403	ug/l 97
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	11616	0.525	ug/l 97
9) 1,1-Dichloroethene	2.61	96	11921	0.562	ug/l 96
10) Iodomethane	2.75	142	2335	0.221	ug/l 100
11) Allyl Chloride	2.95	41	22661	0.552	ug/l 96
12) Acrylonitrile	3.36	53	6348	1.225	ug/l 86
13) Acetone	2.66	43	14935	2.710	ug/l 95
14) Carbon Disulfide	2.82	76	44736	0.623	ug/l 97
15) Methylene Chloride	3.08	84	21638	0.805	ug/l 95
16) trans-1,2-Dichloroethene	3.39	96	13684	0.603	ug/l 97
17) 1,1-Dichloroethane	3.91	63	25125	0.493	ug/l 98
18) 2-Butanone	4.76	43	19964	2.402	ug/l 98
19) Cyclohexane	5.42	56	21725	0.495	ug/l 89
20) Methylcyclohexane	6.79	83	22639	0.520	ug/l 94
21) 2,2-Dichloropropane	4.71	77	20795	0.452	ug/l 97
22) cis-1,2-Dichloroethene	4.71	96	13491	0.494	ug/l 94
23) Diethyl Ether	2.40	59	10400	0.572	ug/l 99
24) tert-Butyl Alcohol	3.24	59	13178	6.763	ug/l # 93
25) Methyl tert-Butyl Ether	3.41	73	33618	0.545	ug/l # 85
26) Bromochloromethane	5.02	128	5646	0.476	ug/l 96
27) Chloroform	5.12	83	24091	0.447	ug/l 100
28) 1,1,1-Trichloroethane	5.35	97	19116	0.418	ug/l 97
29) 1,1-Dichloropropene	5.56	75	19442	0.509	ug/l 97
30) Carbon Tetrachloride	5.56	117	15814	0.400	ug/l 97
31) Isopropyl Ether	4.04	45	39216	0.481	ug/l 94
32) Ethyl-t-butyl ether	4.56	59	35819	0.469	ug/l 100
33) Tert-Amyl methyl ether	5.98	73	31467	0.481	ug/l 99
34) Propionitrile	4.83	54	5333	2.435	ug/l # 91
35) Benzene	5.81	78	54337	0.502	ug/l 96
36) 1,2-Dichloroethane	5.83	62	15840	0.414	ug/l 98
37) Trichloroethene	6.57	130	14823	0.521	ug/l 97
38) 1,2-Dichloropropane	6.82	63	14587	0.493	ug/l 100
39) Methacrylonitrile	5.02	41	5603	0.536	ug/l 94
40) Methyl acrylate	4.89	55	7419	0.502	ug/l # 90
41) Tetrahydrofuran	5.11	42	5617	1.077	ug/l 96
42) 1-Chlorobutane	5.49	56	27411	0.500	ug/l 97

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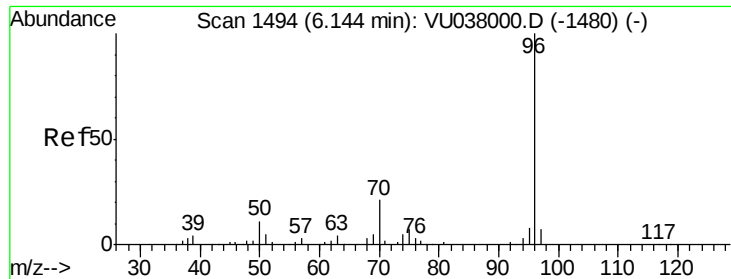
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 05 01:38:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U050420DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue May 05 01:36:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Dibromomethane	6.95	93	7059	0.473	ug/l	93
44) Bromodichloromethane	7.14	83	16614	0.429	ug/l	92
45) 4-Methyl-2-Pentanone	7.83	43	47863	2.383	ug/l	100
46) t-1,4-Dichloro-2-butene	10.85	75	16000	2.918	ug/l #	40
47) Methyl methacrylate	7.00	69	13264	1.051	ug/l	97
48) Ethyl methacrylate	8.36	69	12229	0.491	ug/l	100
49) Toluene	7.99	92	33558	0.514	ug/l	99
50) t-1,3-Dichloropropene	8.23	75	16750	0.471	ug/l	91
51) cis-1,3-Dichloropropene	7.64	75	20851	0.509	ug/l	99
52) 1,1,2-Trichloroethane	8.43	97	9732	0.485	ug/l	94
53) 1,3-Dichloropropane	8.60	76	17765	0.493	ug/l	99
54) 2-Hexanone	8.71	43	33547	2.430	ug/l	98
55) Dibromochloromethane	8.84	129	9983	0.408	ug/l	98
56) 1,2-Dibromoethane	8.95	107	9185	0.488	ug/l	95
58) Tetrachloroethene	8.57	164	13314	0.499	ug/l	97
59) Chlorobenzene	9.47	112	35497	0.488	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.56	131	10559	0.408	ug/l	95
61) Pentachloroethane	11.44	117	7817	0.396	ug/l	91
62) Hexachloroethane	12.49	117	8250	0.393	ug/l	98
63) Ethyl Benzene	9.59	91	61821	0.498	ug/l	99
64) m/p-Xylenes	9.72	106	46658	0.992	ug/l	98
65) o-Xylene	10.12	106	23398	0.514	ug/l	99
66) Styrene	10.13	104	36505	0.491	ug/l	100
67) Bromoform	10.31	173	5437	0.424	ug/l	98
69) Isopropylbenzene	10.50	105	59641	0.483	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.80	83	12507	0.475	ug/l	96
71) 1,2,3-Trichloropropane	10.85	75	16000	0.771	ug/l	69
72) Bromobenzene	10.80	156	13242	0.443	ug/l	95
73) n-propylbenzene	10.92	120	15715	0.479	ug/l	93
74) 2-Chlorotoluene	11.00	126	13607	0.463	ug/l	96
75) 1,3,5-Trimethylbenzene	11.11	105	48748	0.461	ug/l	100
76) 4-Chlorotoluene	11.11	126	13890	0.468	ug/l	96
77) tert-Butylbenzene	11.44	119	46346	0.449	ug/l	98
78) 1,2,4-Trimethylbenzene	11.48	105	49750	0.467	ug/l	98
79) sec-Butylbenzene	11.66	105	66148	0.467	ug/l	100
80) Nitrobenzene	13.23	77	2042	3.402	ug/l #	64
81) p-Isopropyltoluene	11.81	119	51109	0.459	ug/l	99
82) 1,3-Dichlorobenzene	11.76	146	28658	0.485	ug/l	98
83) 1,4-Dichlorobenzene	11.85	146	29872	0.500	ug/l	97
84) n-Butylbenzene	12.22	91	51769	0.486	ug/l	99
85) 1,2-Dichlorobenzene	12.23	146	27200	0.477	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	13.02	75	2042	0.454	ug/l	90
87) 1,2,4-Trichlorobenzene	13.87	180	20027	0.668	ug/l	99
88) Hexachlorobutadiene	14.06	225	8570	0.479	ug/l	94
89) Naphthalene	14.12	128	38202	0.735	ug/l	99
90) 1,2,3-Trichlorobenzene	14.37	180	18099	0.627	ug/l	94

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1495

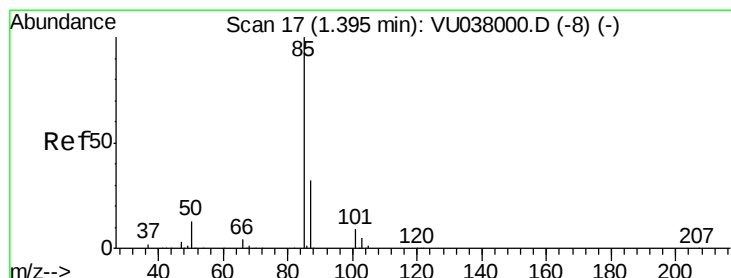
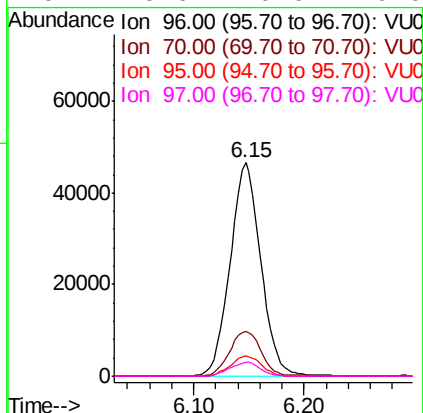
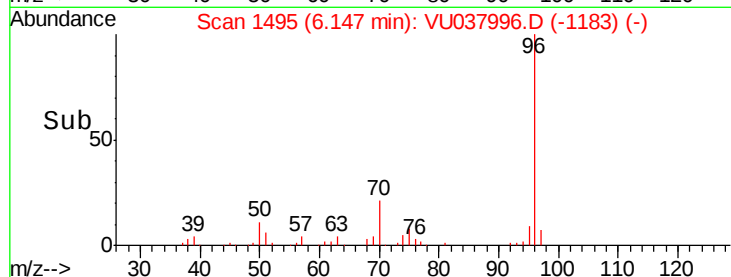
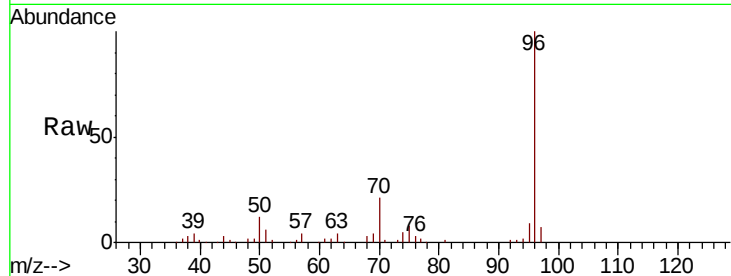
Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	96	Resp:	89984
Ion	Ratio	Lower	Upper
96	100		
70	21.1	14.4	21.6
95	9.5	7.1	10.7
97	6.6	0.0	0.0#



#2

Dichlorodifluoromethane

Concen: 0.367 ug/l

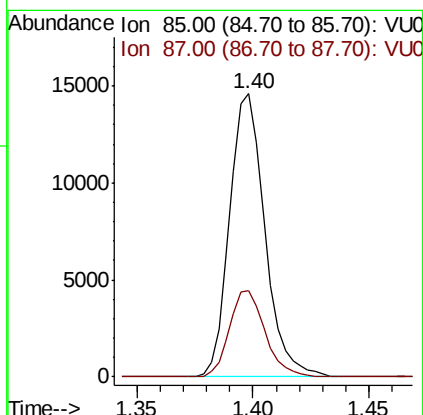
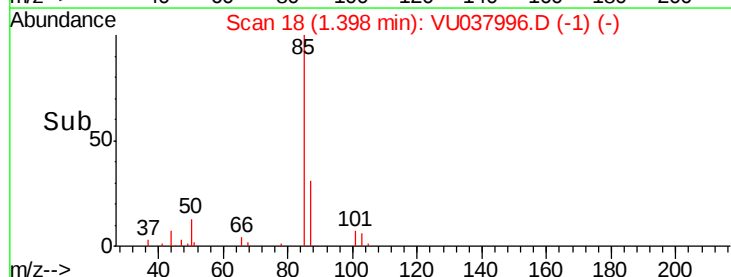
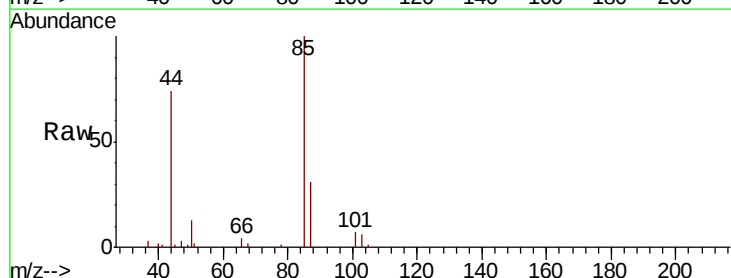
RT: 1.40 min Scan# 18

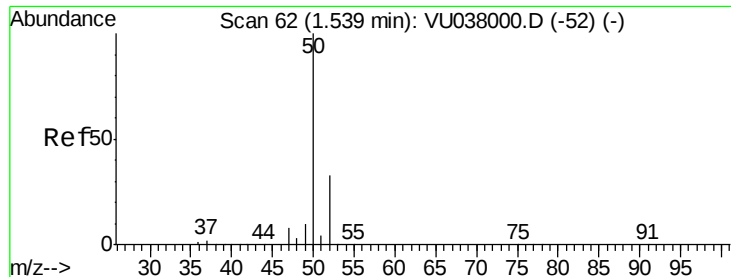
Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

Tgt Ion:	85	Resp:	15343
Ion	Ratio	Lower	Upper
85	100		
87	30.7	16.2	48.5





#3

Chloromethane

Concen: 0.460 ug/l

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

Instrument :

MSVOA_U

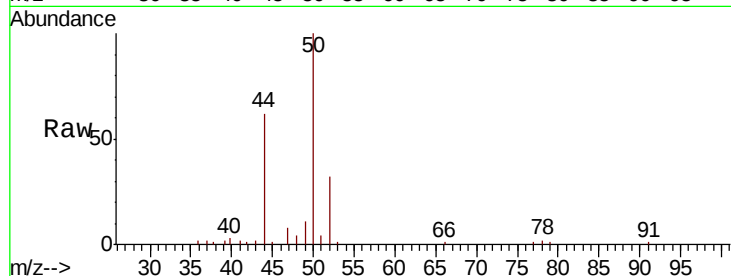
ClientSampleId :

Tot Ion: 50 Resp: 19367

Ion Ratio Lower Upper

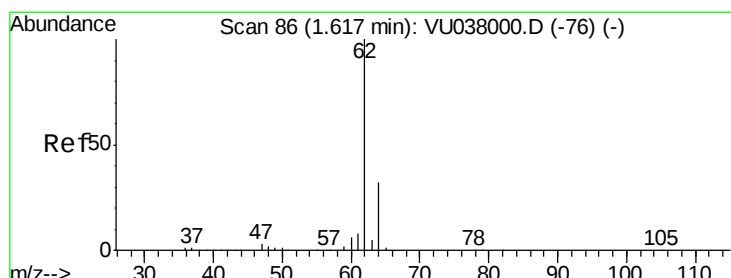
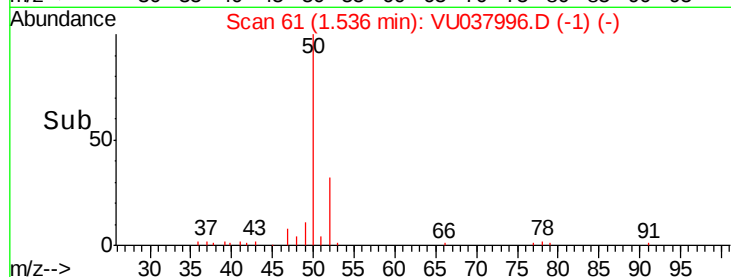
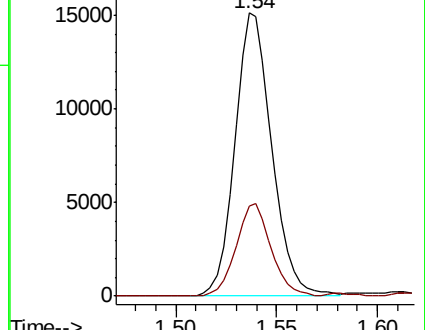
50 100

52 31.9 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VU037996.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU037996.D (-1) (-)



#4

Vinyl Chloride

Concen: 0.479 ug/l

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037996.D

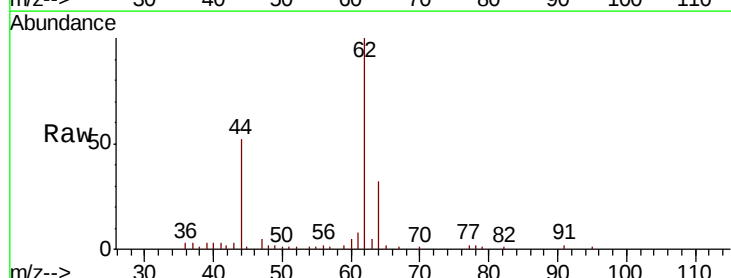
Acq: 04 May 2020 10:44

Tgt Ion: 62 Resp: 18135

Ion Ratio Lower Upper

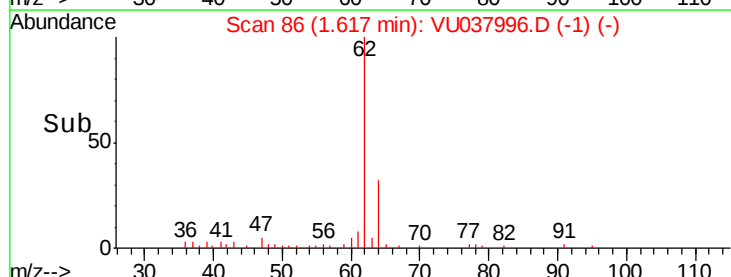
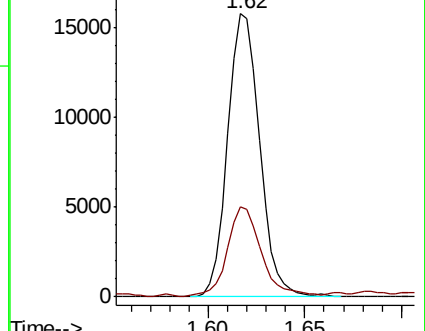
62 100

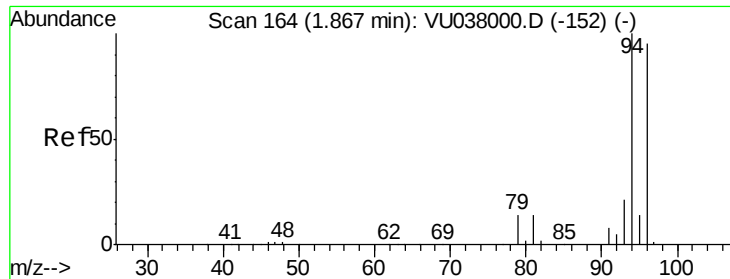
64 30.9 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU037996.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU037996.D (-1) (-)

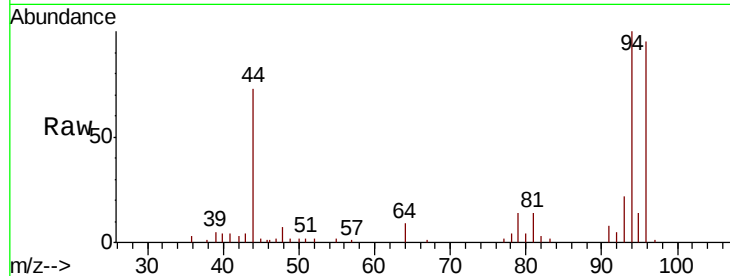




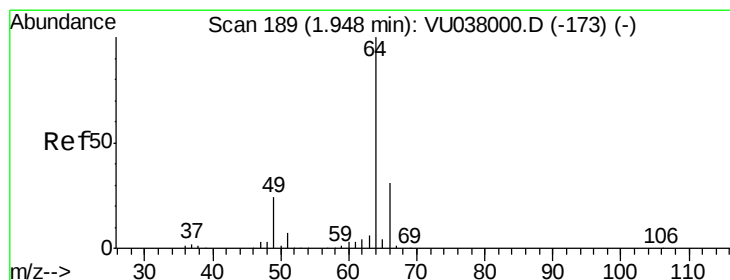
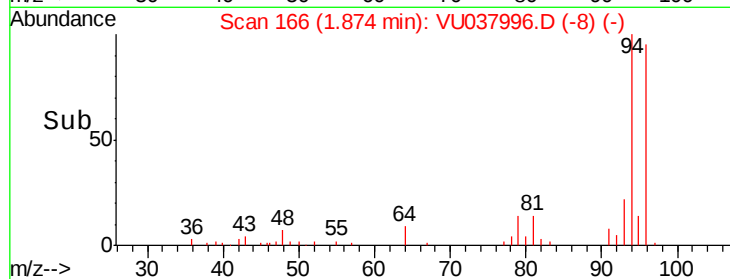
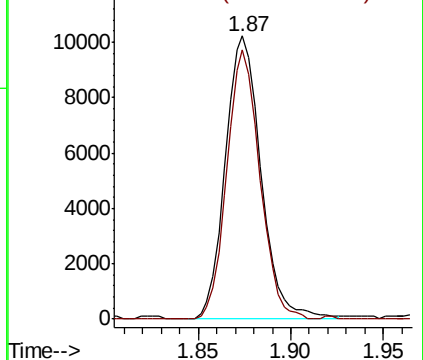
#5
Bromomethane
Concen: 0.958 ug/l
RT: 1.87 min Scan# 166
Delta R.T. 0.01 min
Lab File: VU037996.D
Acq: 04 May 2020 10:44

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 94 Resp: 13683
Ion Ratio Lower Upper
94 100
96 95.0 76.1 114.1

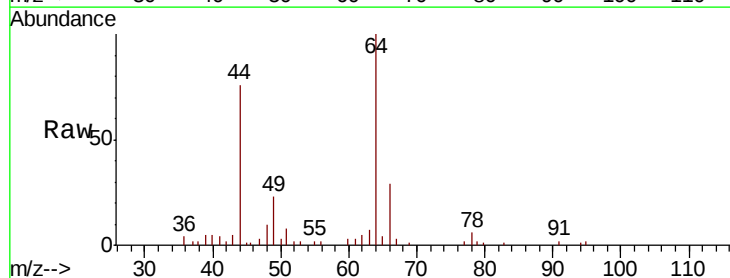


Abundance Ion 94.00 (93.70 to 94.70): VU037996.D (-152) (-)
Ion 96.00 (95.70 to 96.70): VU037996.D (-152) (-)

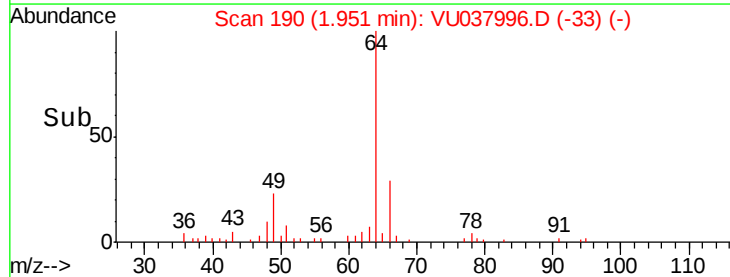
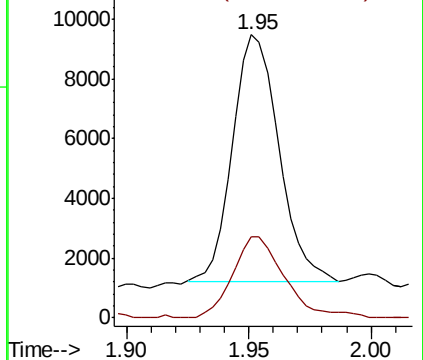


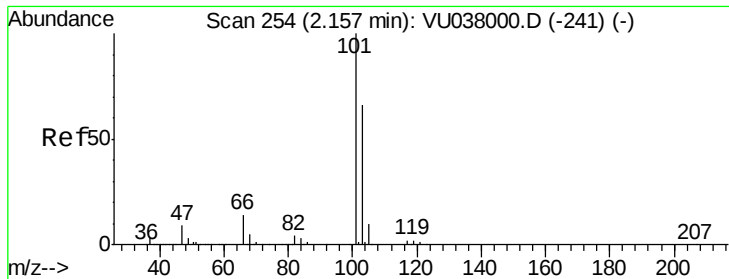
#6
Chloroethane
Concen: 0.571 ug/l
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU037996.D
Acq: 04 May 2020 10:44

Tgt Ion: 64 Resp: 10834
Ion Ratio Lower Upper
64 100
66 33.0 24.8 37.2



Abundance Ion 64.00 (63.70 to 64.70): VU037996.D (-173) (-)
Ion 66.00 (65.70 to 66.70): VU037996.D (-173) (-)



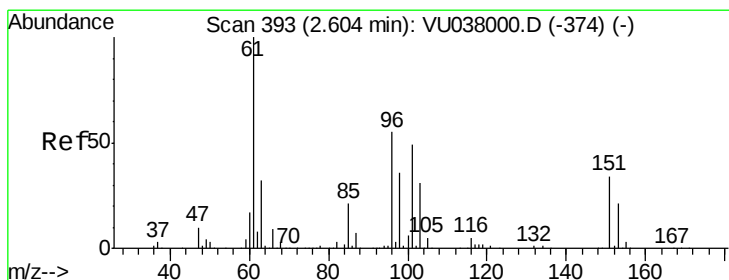
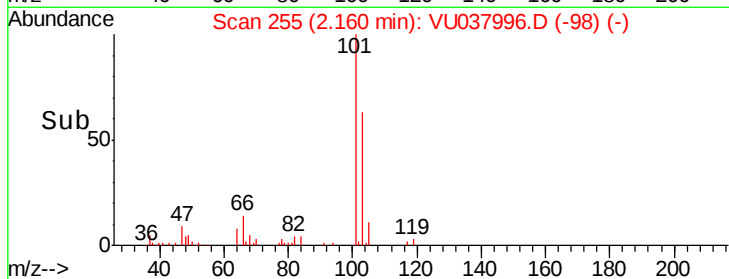
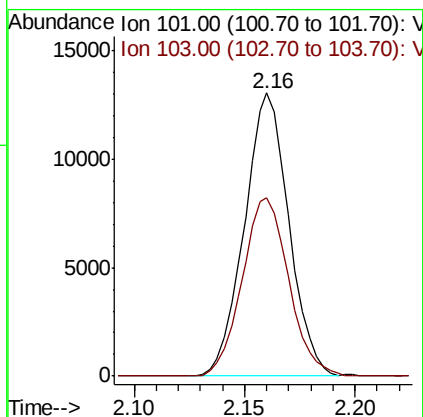
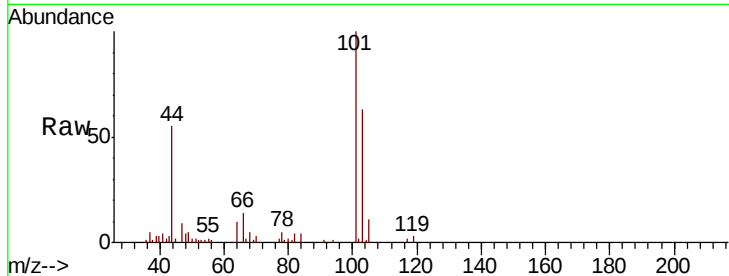


#7

Trichlorofluoromethane
 Concen: 0.403 ug/l
 RT: 2.16 min Scan# 255
 Delta R.T. 0.00 min
 Lab File: VU037996.D
 Acq: 04 May 2020 10:44

Instrument :
 MSVOA_U
 ClientSampled :

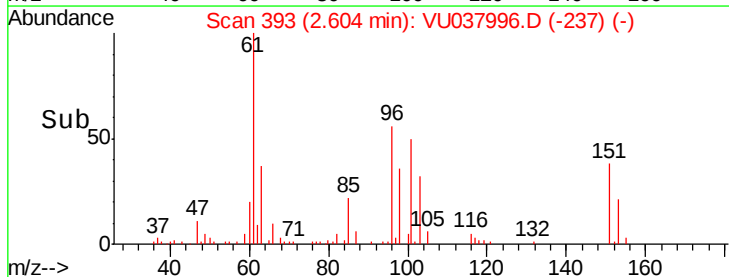
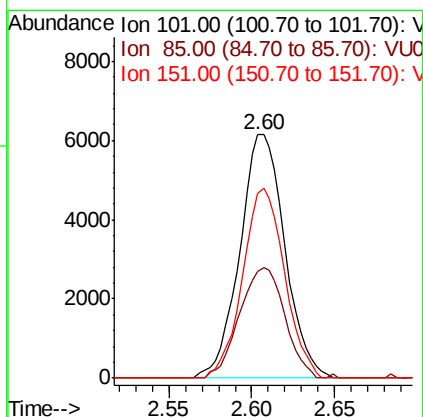
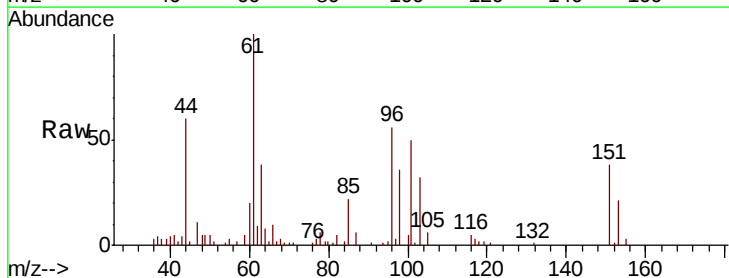
Tot Ion:101 Resp: 18278
 Ion Ratio Lower Upper
 101 100
 103 63.0 52.6 78.8

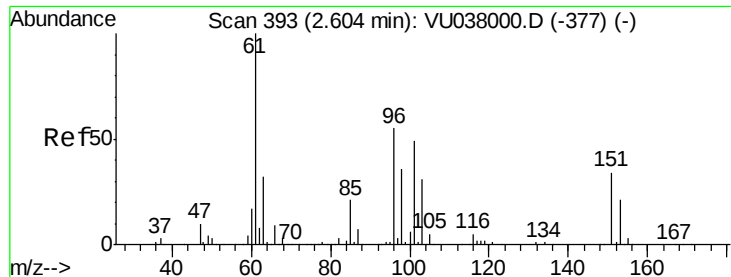


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.525 ug/l
 RT: 2.60 min Scan# 393
 Delta R.T. 0.00 min
 Lab File: VU037996.D
 Acq: 04 May 2020 10:44

Tgt Ion:101 Resp: 11616
 Ion Ratio Lower Upper
 101 100
 85 45.6 35.5 53.3
 151 72.6 55.2 82.8





#9

1,1-Dichloroethene

Concen: 0.562 ug/l

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

Instrument :
MSVOA_U
ClientSampled :

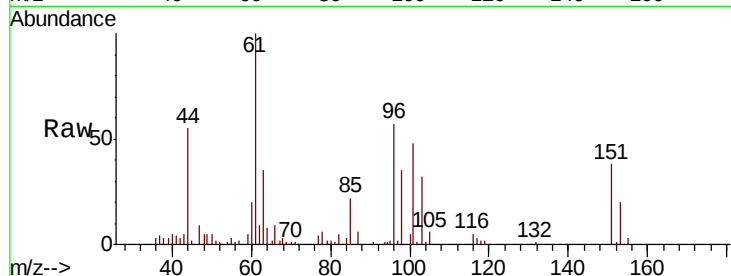
Tot Ion: 96 Resp: 11921

Ion Ratio Lower Upper

96 100

61 174.8 0.0 543.0

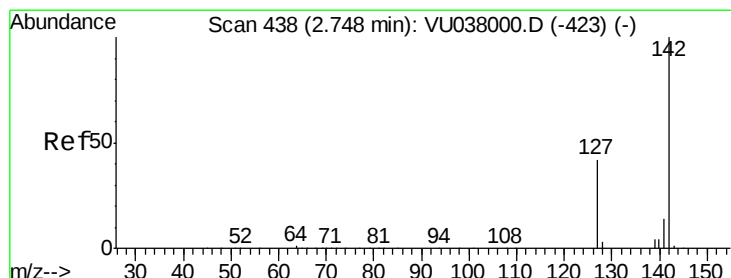
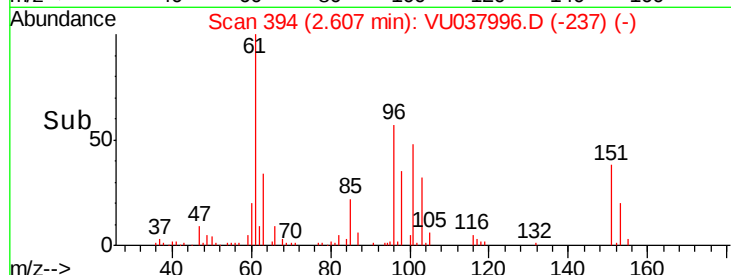
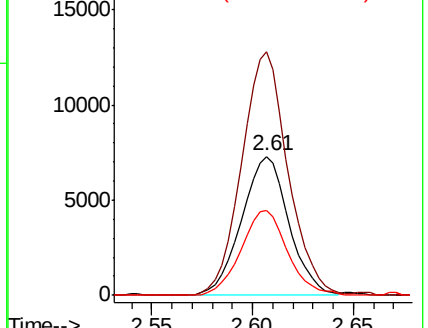
98 61.4 0.0 129.4



Abundance Ion 96.00 (95.70 to 96.70): VU037996.D (-237) (-)

Ion 61.00 (60.70 to 61.70): VU037996.D (-237) (-)

Ion 98.00 (97.70 to 98.70): VU037996.D (-237) (-)



#10

Iodomethane

Concen: 0.221 ug/l

RT: 2.75 min Scan# 439

Delta R.T. 0.00 min

Lab File: VU037996.D

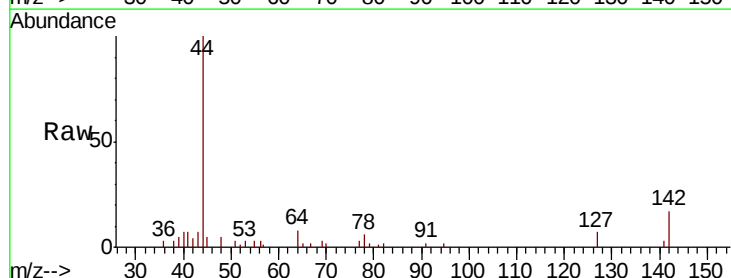
Acq: 04 May 2020 10:44

Tgt Ion: 142 Resp: 2335

Ion Ratio Lower Upper

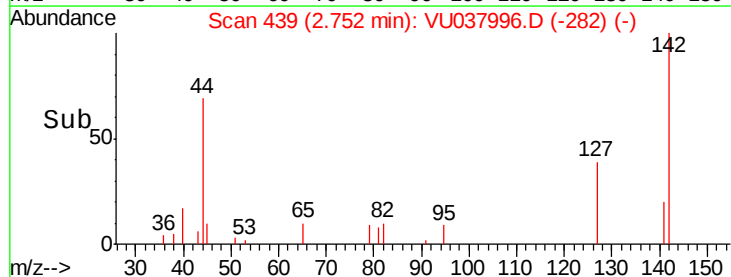
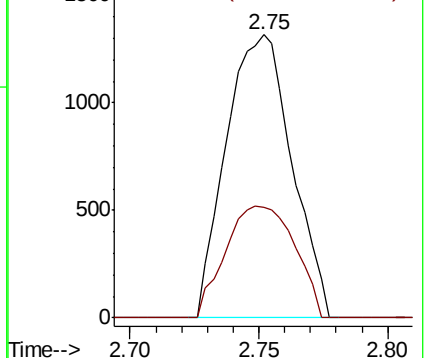
142 100

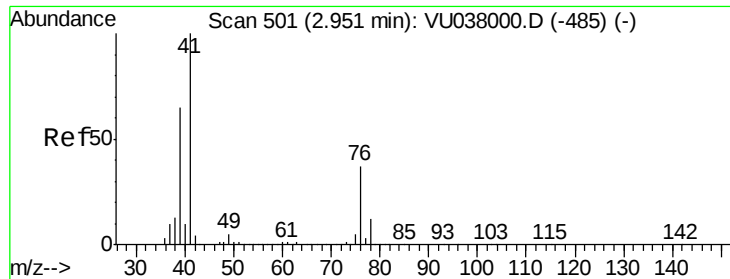
127 41.7 33.5 50.3



Abundance Ion 142.00 (141.70 to 142.70): VU037996.D (-282) (-)

Ion 127.00 (126.70 to 127.70): VU037996.D (-282) (-)

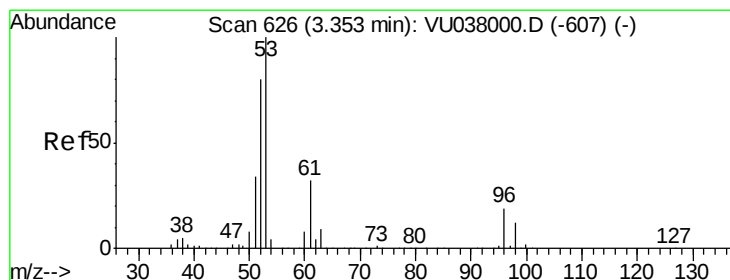
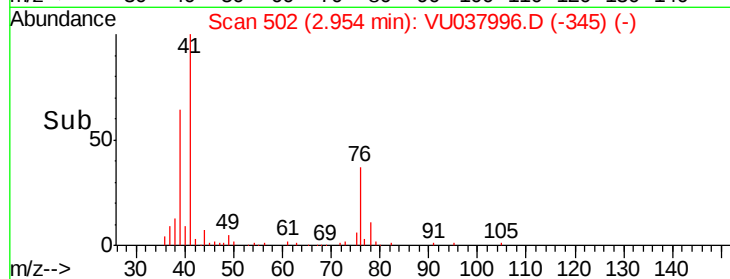
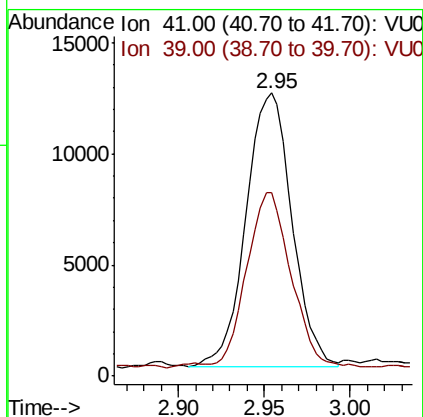
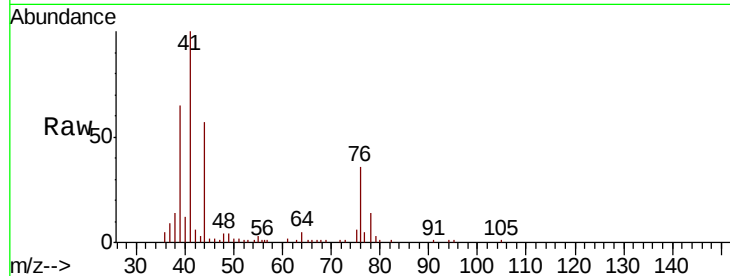




#11
Allvl Chloride
Concen: 0.552 ug/l
RT: 2.95 min Scan# 502
Delta R.T. 0.00 min
Lab File: VU037996.D
Acq: 04 May 2020 10:44

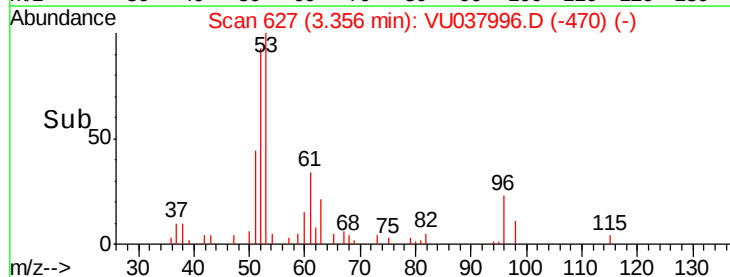
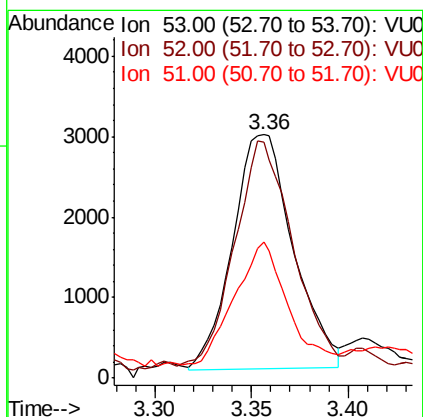
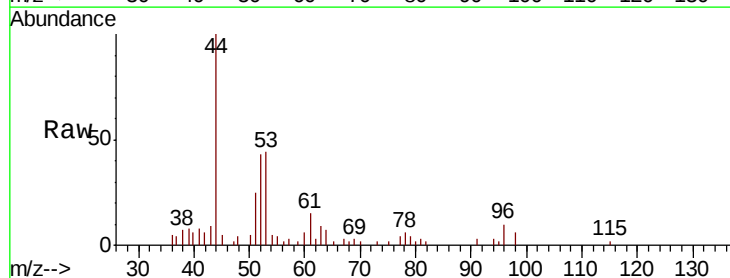
Instrument :
MSVOA_U
ClientSampled :

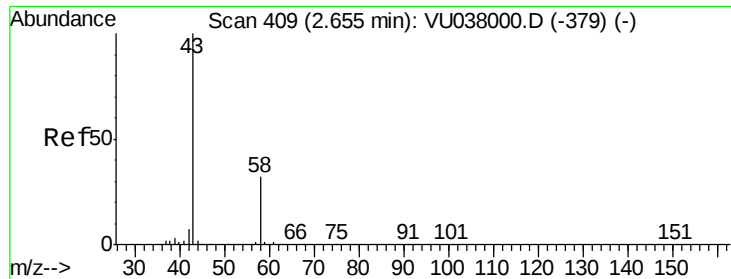
Tot Ion: 41 Resp: 22661
Ion Ratio Lower Upper
41 100
39 61.8 51.7 77.5



#12
Acrylonitrile
Concen: 1.225 ug/l
RT: 3.36 min Scan# 627
Delta R.T. 0.00 min
Lab File: VU037996.D
Acq: 04 May 2020 10:44

Tgt Ion: 53 Resp: 6348
Ion Ratio Lower Upper
53 100
52 91.8 63.3 94.9
51 45.0 30.2 45.2





#13

Acetone

Concen: 2.710 ug/l

RT: 2.66 min Scan# 411

Delta R.T. 0.01 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

Instrument :

MSVOA_U

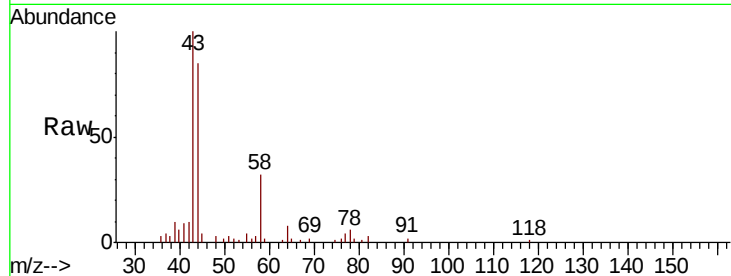
ClientSampleId :

Tot Ion: 43 Resp: 14935

Ion Ratio Lower Upper

43 100

58 34.1 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VU037996.D (-253) (-)

Ion 58.00 (57.70 to 58.70): VU037996.D (-253) (-)

2.66

8000

6000

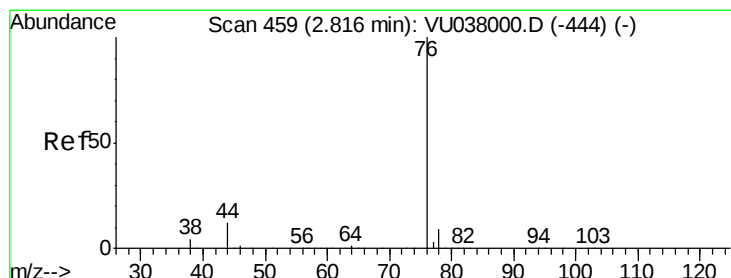
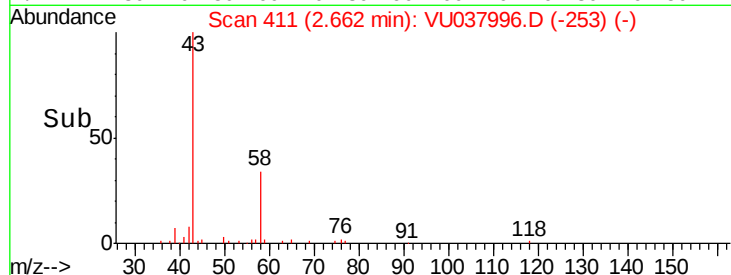
4000

2000

0

Time-->

2.60 2.65 2.70 2.75



#14

Carbon Disulfide

Concen: 0.623 ug/l

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037996.D

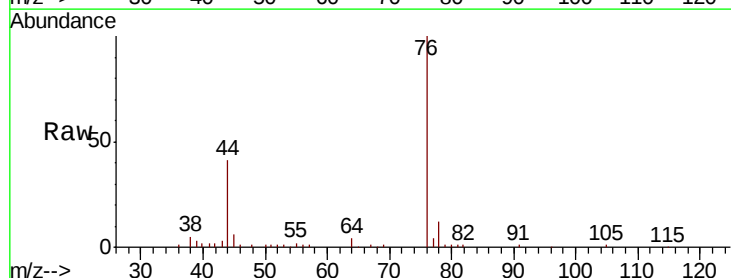
Acq: 04 May 2020 10:44

Tgt Ion: 76 Resp: 44736

Ion Ratio Lower Upper

76 100

78 10.0 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VU037996.D (-303) (-)

Ion 78.00 (77.70 to 78.70): VU037996.D (-303) (-)

2.82

30000

25000

20000

15000

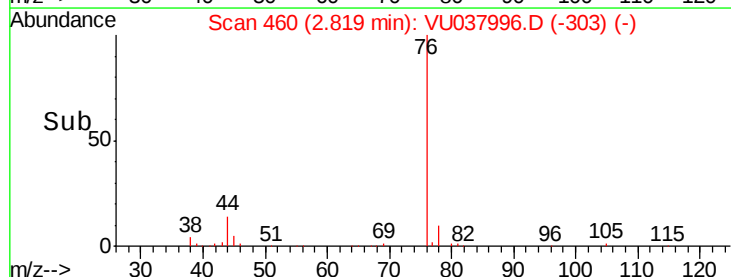
10000

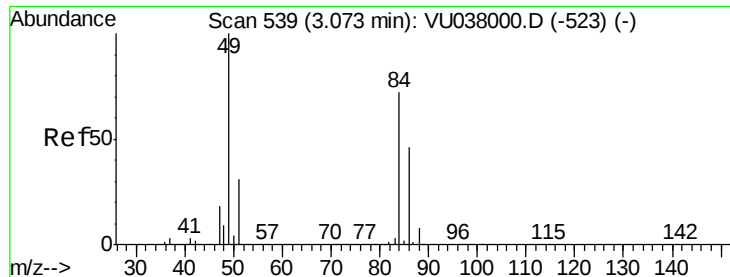
5000

0

Time-->

2.75 2.80 2.85 2.90

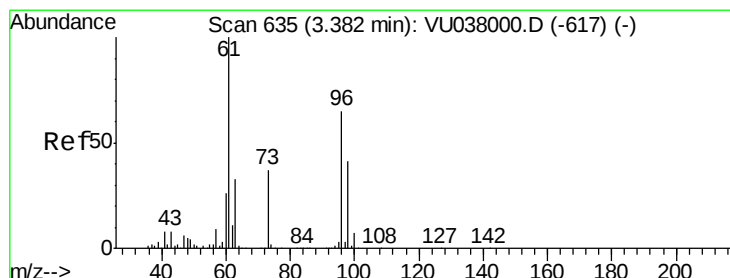
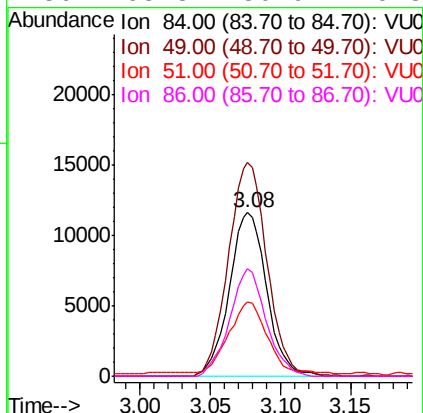
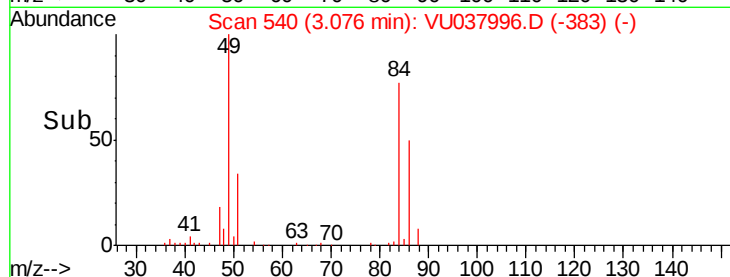
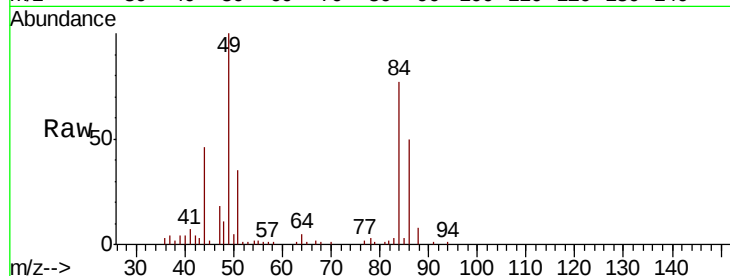




#15
Methvlene Chloride
Concen: 0.805 ug/l
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037996.D
Acq: 04 May 2020 10:44

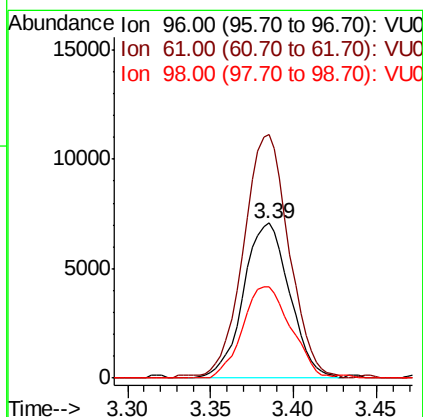
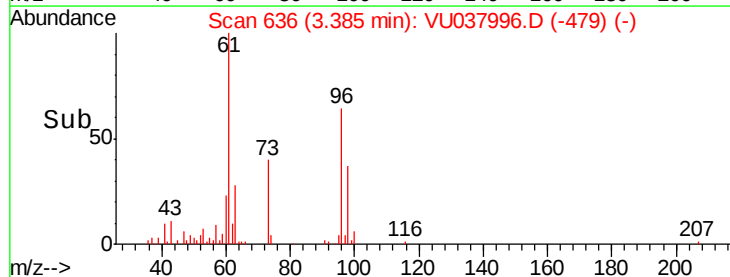
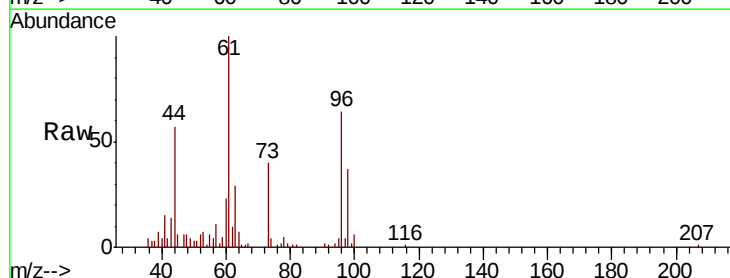
Instrument :
MSVOA_U
ClientSampleId :

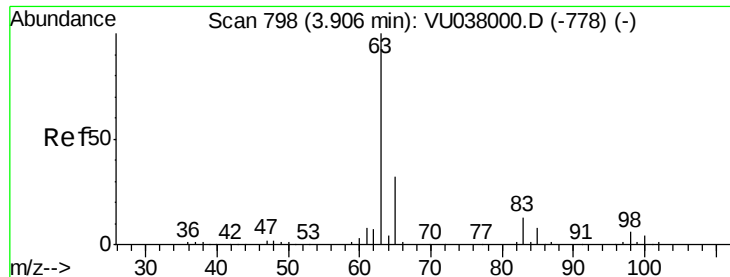
Tot Ion:	84	Resp:	21638
Ion	Ratio	Lower	Upper
84	100		
49	130.5	110.6	166.0
51	44.0	0.0	85.4
86	65.3	50.9	76.3



#16
trans-1,2-Dichloroethene
Concen: 0.603 ug/l
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU037996.D
Acq: 04 May 2020 10:44

Tgt Ion:	96	Resp:	13684
Ion	Ratio	Lower	Upper
96	100		
61	155.0	122.4	183.6
98	58.7	50.1	75.1

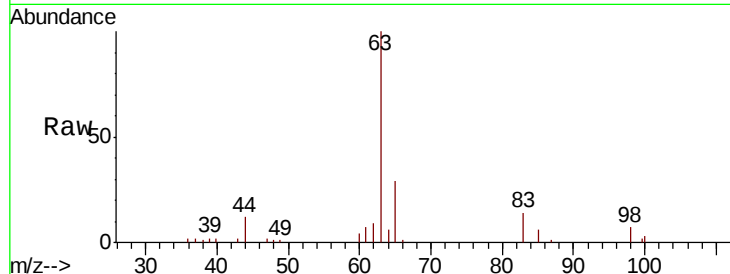




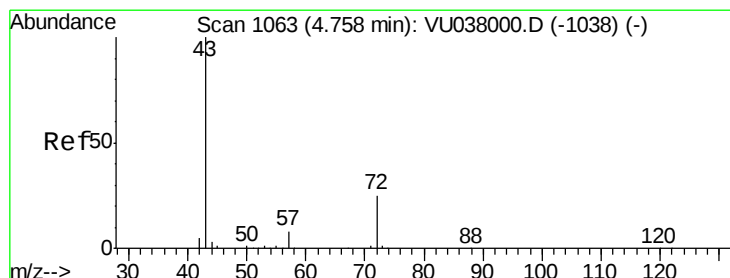
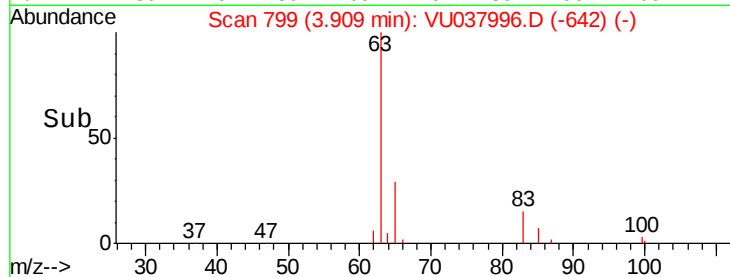
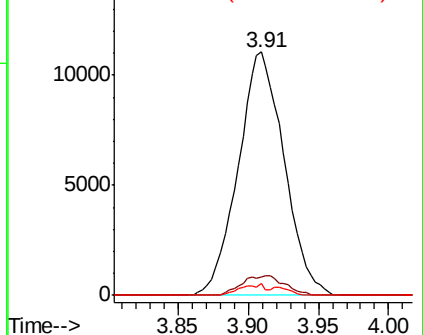
#17
 1,1-Dichloroethane
 Concen: 0.493 ug/l
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU037996.D
 Acq: 04 May 2020 10:44

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 25125
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.1 9.4
 100 4.9 2.2 6.6

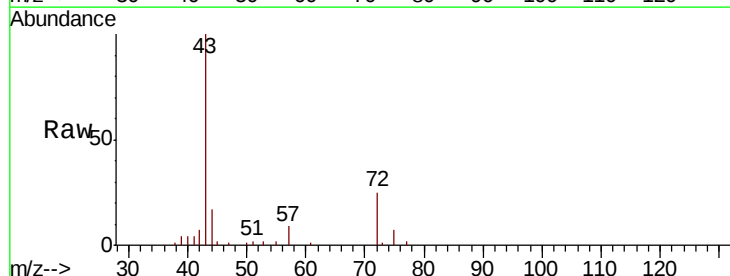


Abundance Ion 63.00 (62.70 to 63.70): VU037996.D (-642) (-)
 Ion 98.00 (97.70 to 98.70): VU037996.D (-642) (-)
 Ion 100.00 (99.70 to 100.70): VU037996.D (-642) (-)

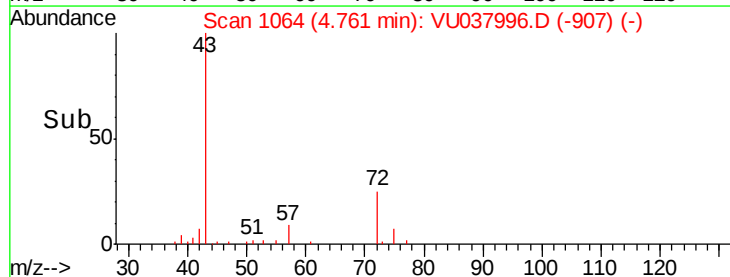
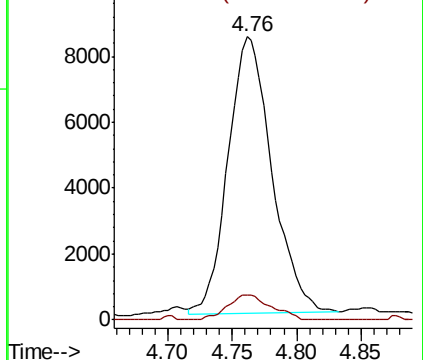


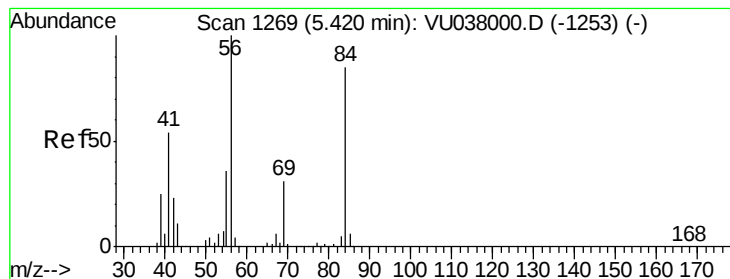
#18
 2-Butanone
 Concen: 2.402 ug/l
 RT: 4.76 min Scan# 1064
 Delta R.T. 0.00 min
 Lab File: VU037996.D
 Acq: 04 May 2020 10:44

Tgt Ion: 43 Resp: 19964
 Ion Ratio Lower Upper
 43 100
 57 9.0 0.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VU037996.D (-907) (-)
 Ion 57.00 (56.70 to 57.70): VU037996.D (-907) (-)





#19

Cyclohexane

Concen: 0.495 ug/l

RT: 5.42 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

Instrument :

MSVOA_U

ClientSampleId :

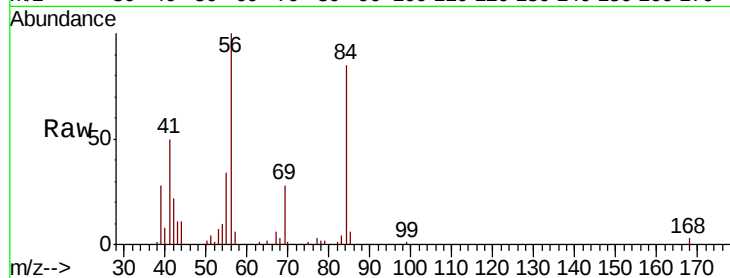
Tot Ion: 56 Resp: 21725

Ion Ratio Lower Upper

56 100

69 32.6 24.3 36.5

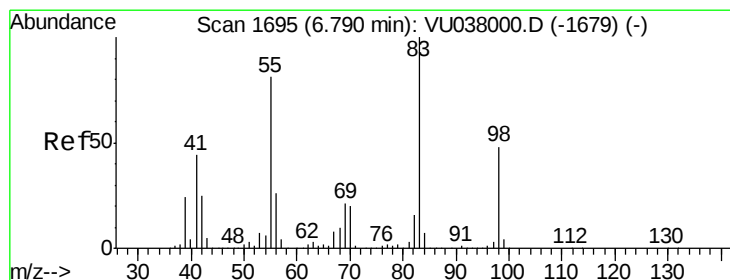
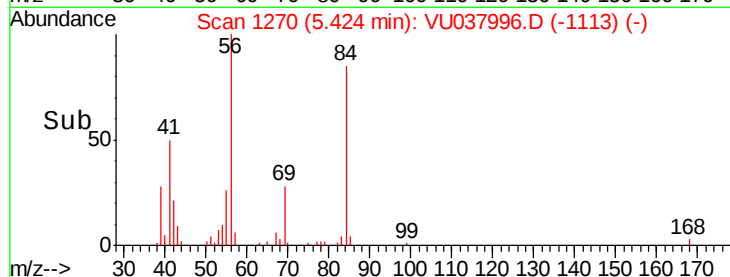
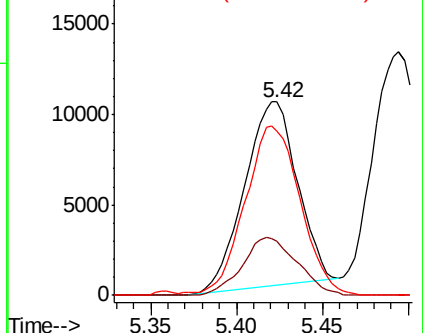
84 94.9 66.3 99.5



Abundance Ion 56.00 (55.70 to 56.70): VU037996.D (-1113) (-)

Ion 69.00 (68.70 to 69.70): VU037996.D (-1113) (-)

Ion 84.00 (83.70 to 84.70): VU037996.D (-1113) (-)



#20

Methylcyclohexane

Concen: 0.520 ug/l

RT: 6.79 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

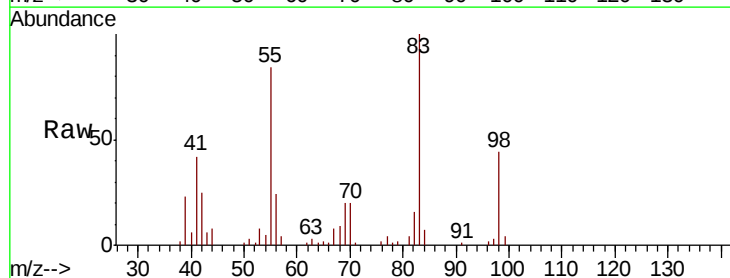
Tgt Ion: 83 Resp: 22639

Ion Ratio Lower Upper

83 100

55 83.9 61.5 92.3

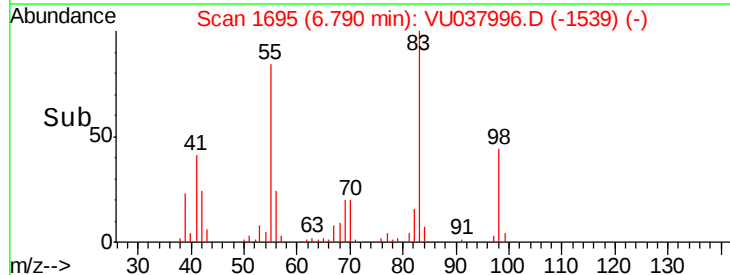
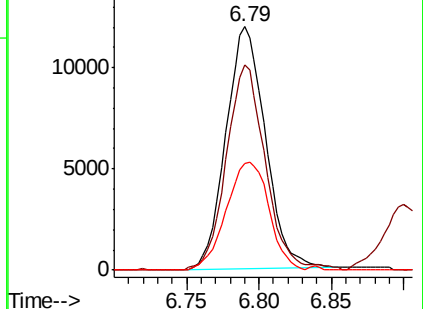
98 48.1 37.3 55.9

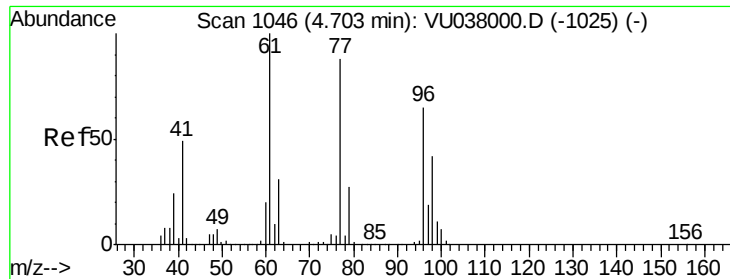


Abundance Ion 83.00 (82.70 to 83.70): VU037996.D (-1539) (-)

Ion 55.00 (54.70 to 55.70): VU037996.D (-1539) (-)

Ion 98.00 (97.70 to 98.70): VU037996.D (-1539) (-)





#21

2,2-Dichloropropane

Concen: 0.452 ug/l

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

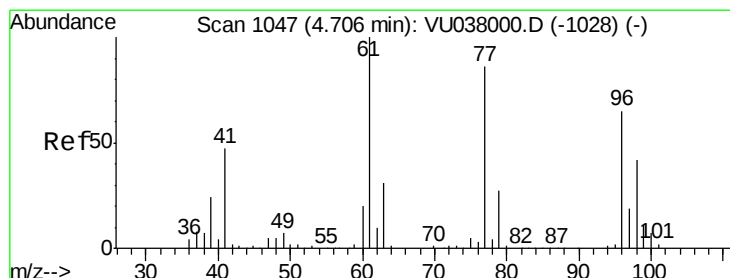
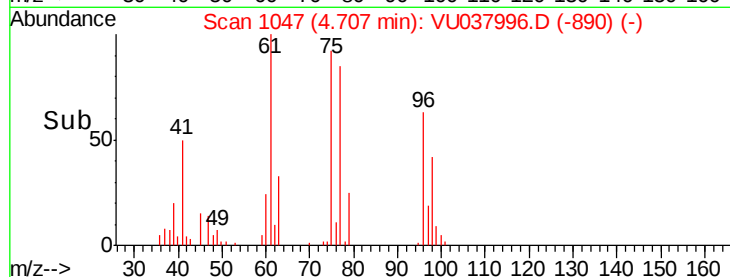
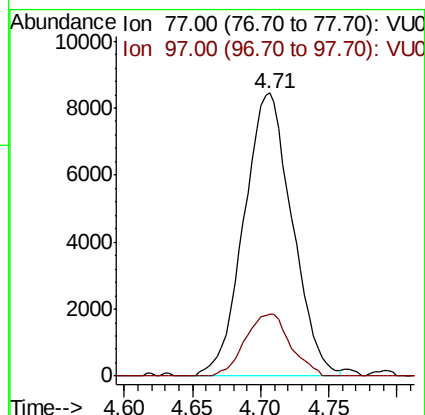
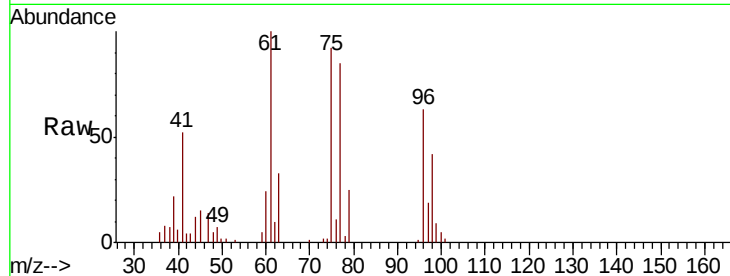
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 77 Resp: 20795

Ion Ratio Lower Upper

77 100

97 20.5 17.4 26.2



#22

cis-1,2-Dichloroethene

Concen: 0.494 ug/l

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

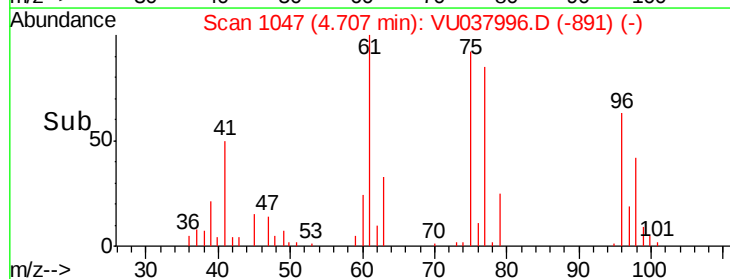
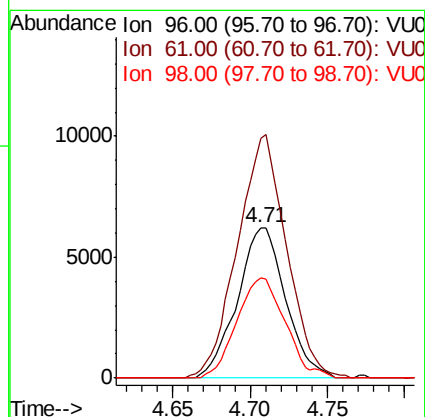
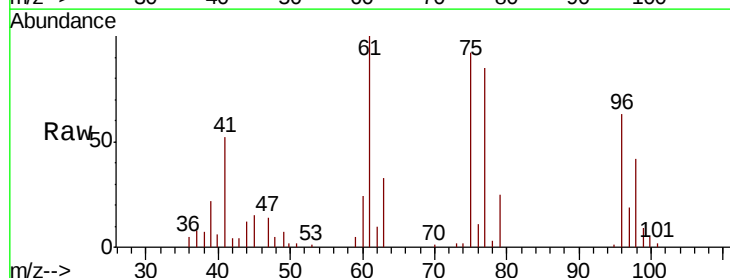
Tgt Ion: 96 Resp: 13491

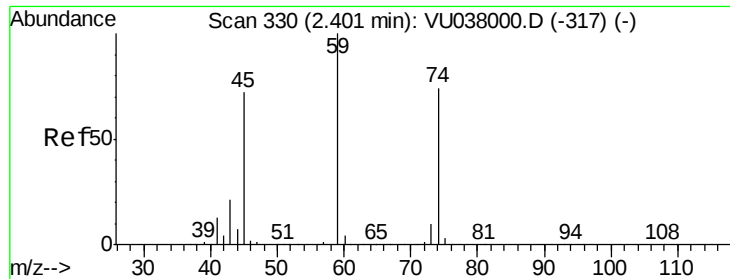
Ion Ratio Lower Upper

96 100

61 164.5 0.0 389.3

98 66.7 32.1 96.3

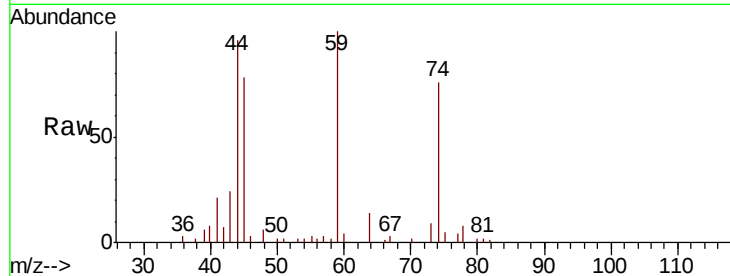




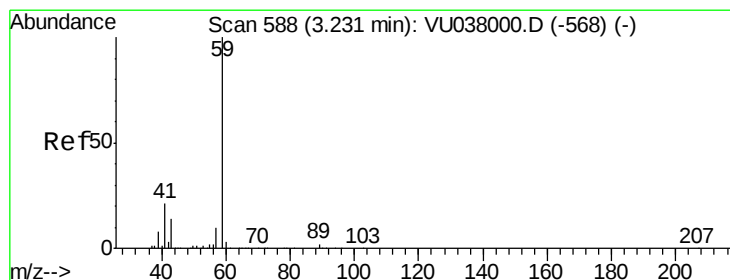
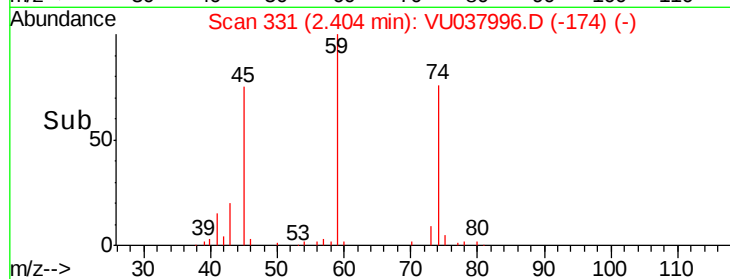
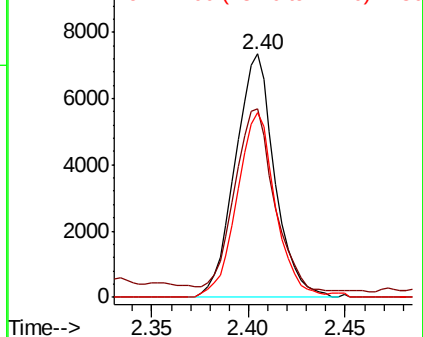
#23
Diethyl Ether
Concen: 0.572 ug/l
RT: 2.40 min Scan# 331
Delta R.T. 0.00 min
Lab File: VU037996.D
Acq: 04 May 2020 10:44

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 59 Resp: 10400
Ion Ratio Lower Upper
59 100
45 75.5 59.8 89.6
74 74.0 58.2 87.4

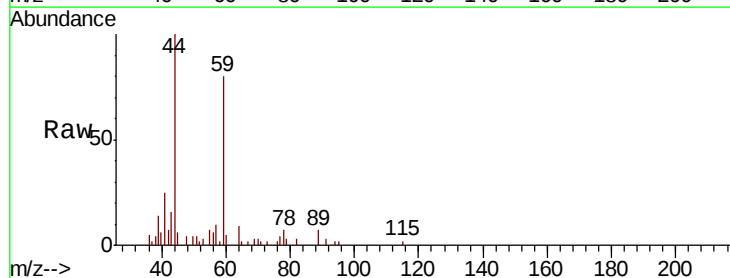


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

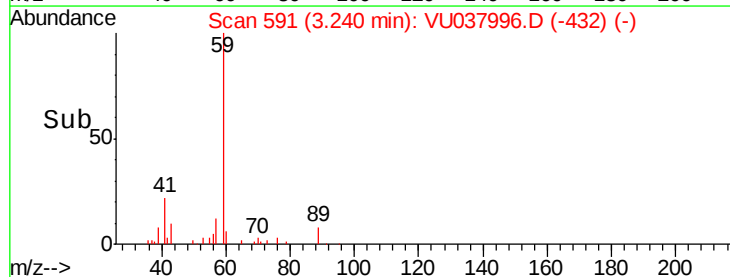
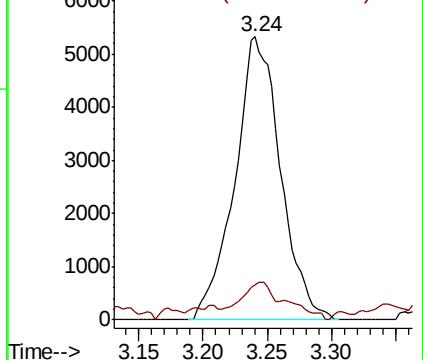


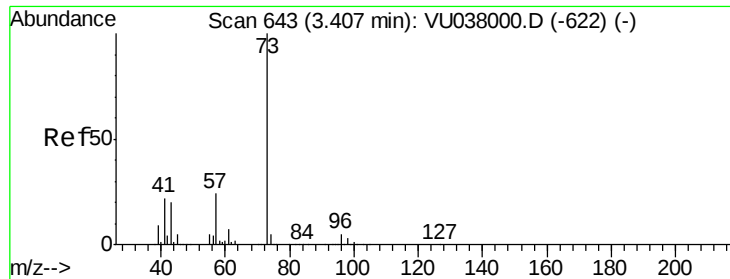
#24
tert-Butyl Alcohol
Concen: 6.763 ug/l
RT: 3.24 min Scan# 591
Delta R.T. 0.01 min
Lab File: VU037996.D
Acq: 04 May 2020 10:44

Tgt Ion: 59 Resp: 13178
Ion Ratio Lower Upper
59 100
57 13.0 8.2 12.4#



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



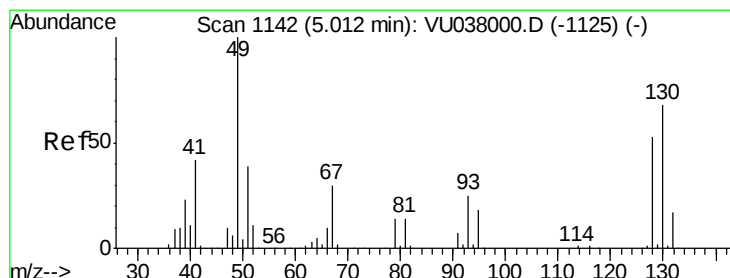
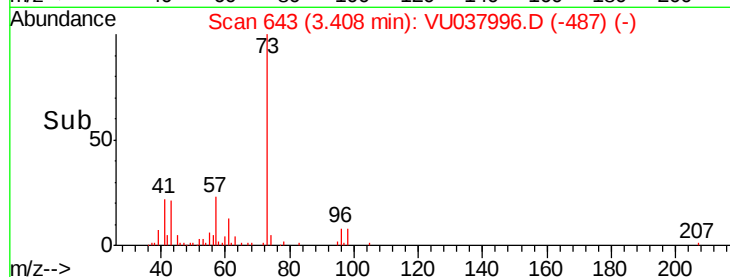
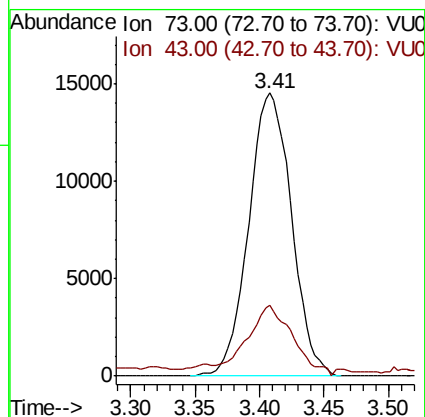
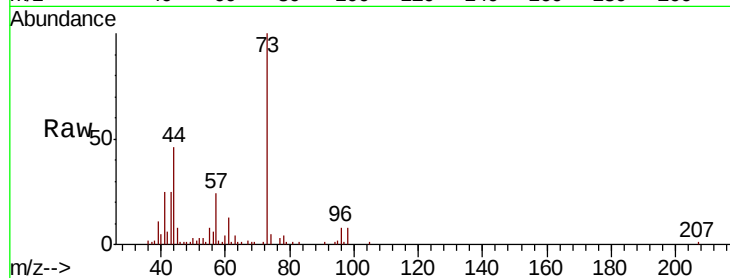


#25

Methyl tert-Butyl Ether
 Concen: 0.545 ug/l
 RT: 3.41 min Scan# 643
 Delta R.T. 0.00 min
 Lab File: VU037996.D
 Acq: 04 May 2020 10:44

Instrument :
 MSVOA_U
 ClientSampled :

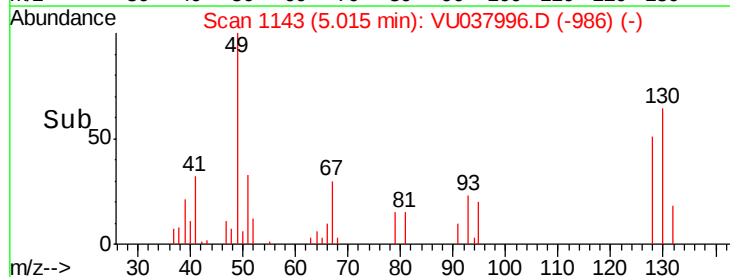
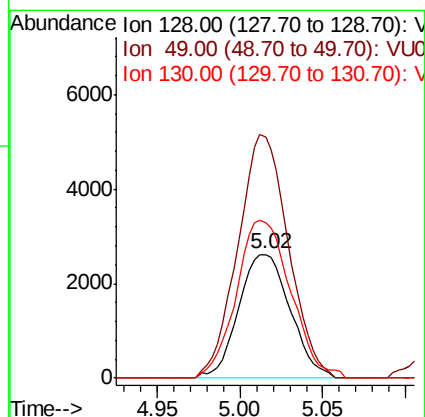
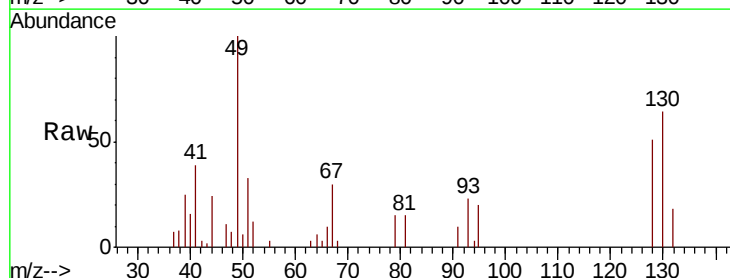
Tot Ion: 73 Resp: 33618
 Ion Ratio Lower Upper
 73 100
 43 27.0 16.2 24.2#

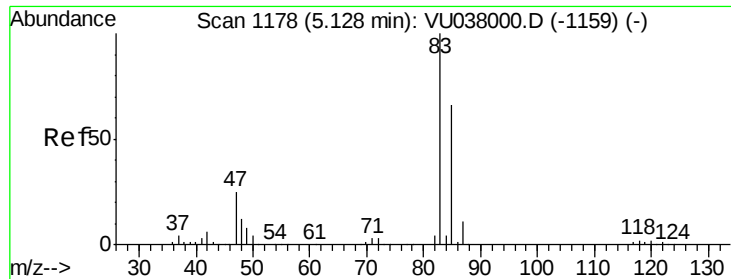


#26

Bromochloromethane
 Concen: 0.476 ug/l
 RT: 5.02 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VU037996.D
 Acq: 04 May 2020 10:44

Tgt Ion: 128 Resp: 5646
 Ion Ratio Lower Upper
 128 100
 49 192.9 0.0 376.0
 130 134.6 102.6 153.8

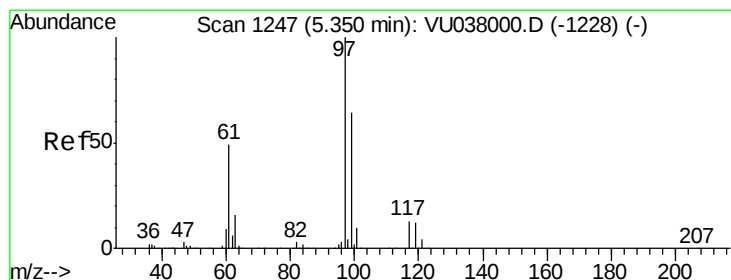
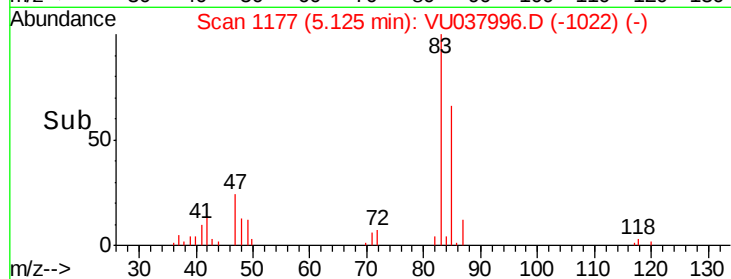
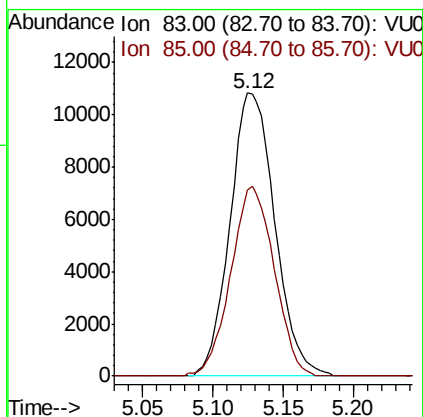
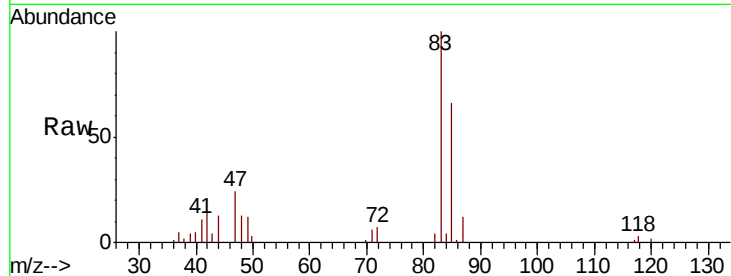




#27
Chloroform
Concen: 0.447 ug/l
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU037996.D
Acq: 04 May 2020 10:44

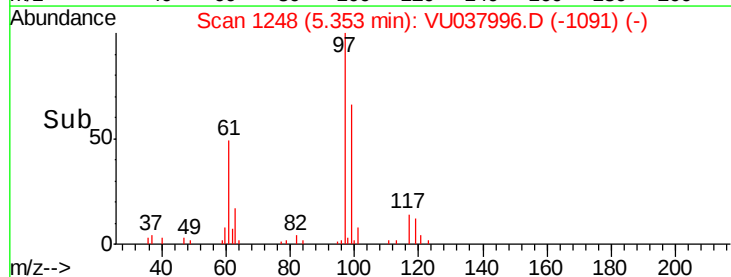
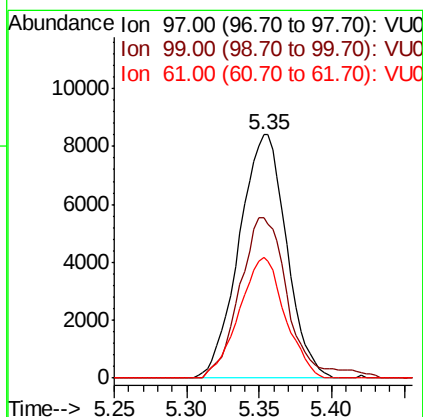
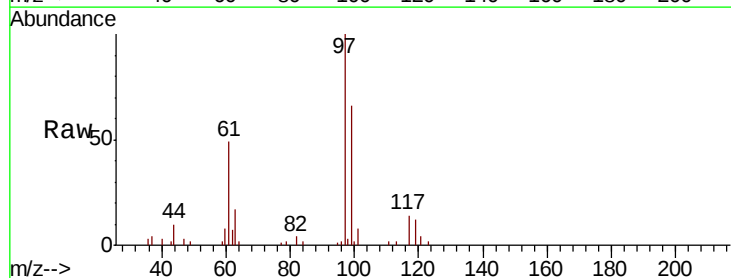
Instrument :
MSVOA_U
ClientSampled :

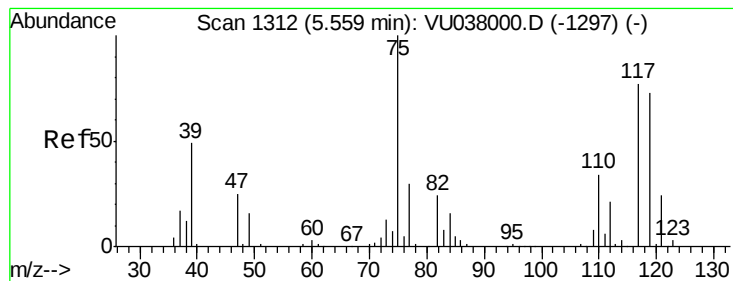
Tot Ion: 83 Resp: 24091
Ion Ratio Lower Upper
83 100
85 65.7 0.0 132.0



#28
1,1,1-Trichloroethane
Concen: 0.418 ug/l
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU037996.D
Acq: 04 May 2020 10:44

Tgt Ion: 97 Resp: 19116
Ion Ratio Lower Upper
97 100
99 67.5 31.9 95.9
61 47.8 24.1 72.4





#29

1,1-Dichloropropene

Concen: 0.509 ug/l

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

Instrument :
MSVOA_U
ClientSampleId :

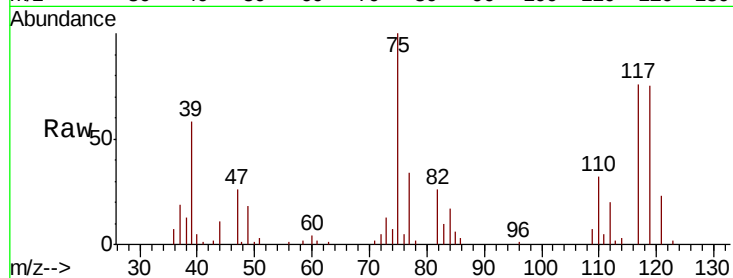
Tot Ion: 75 Resp: 19442

Ion Ratio Lower Upper

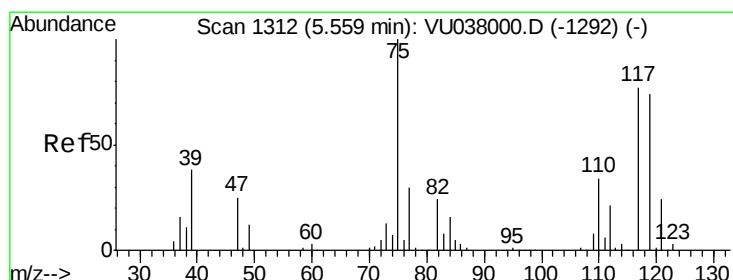
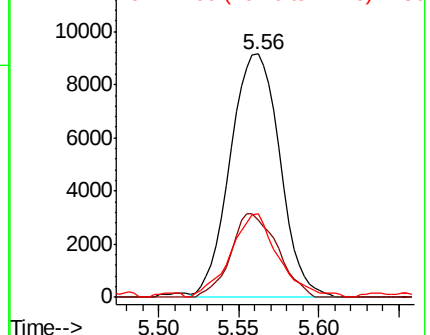
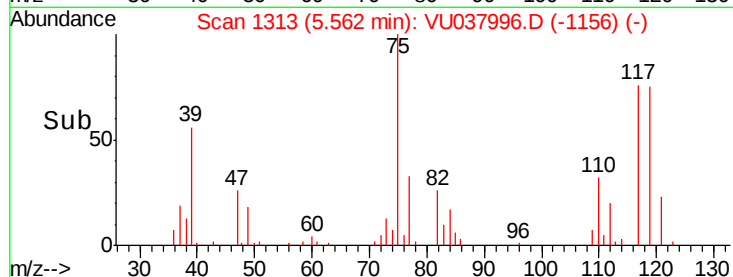
75 100

110 32.4 16.7 50.1

77 33.0 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VU038000.D (-1297) (-)



#30

Carbon Tetrachloride

Concen: 0.400 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

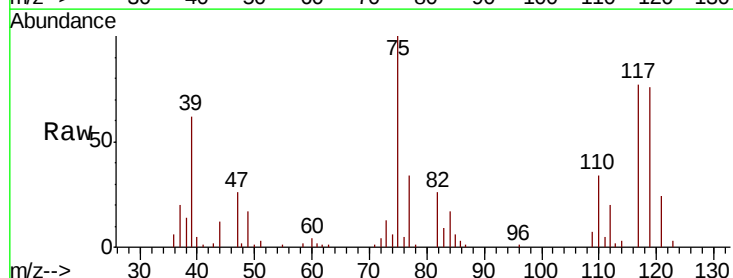
Tgt Ion: 117 Resp: 15814

Ion Ratio Lower Upper

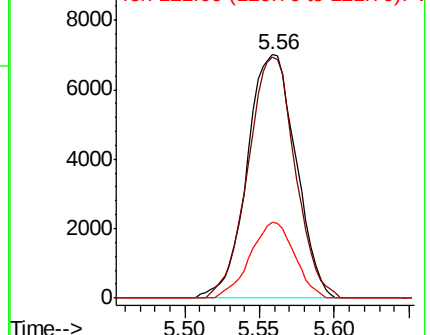
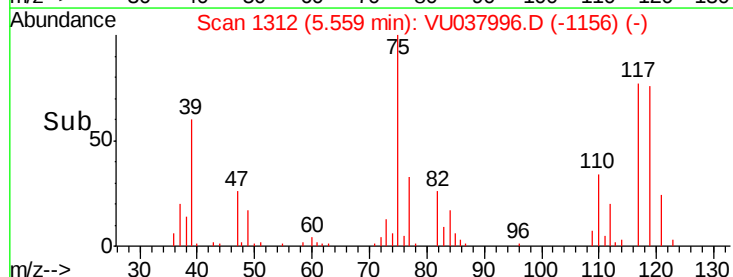
117 100

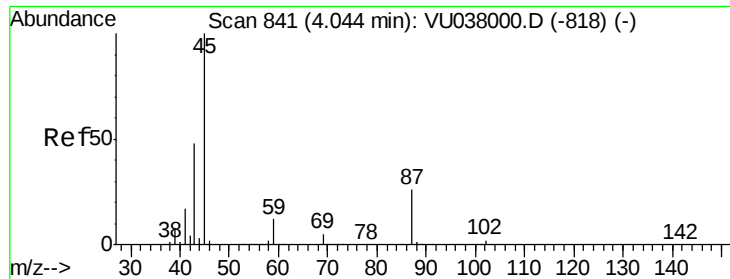
119 98.8 76.3 114.5

121 31.1 24.7 37.1



Abundance Ion 117.00 (116.70 to 117.70): VU038000.D (-1292) (-)





#31

Isopropyl Ether

Concen: 0.481 ug/l

RT: 4.04 min Scan# 841

Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

Instrument :

MSVOA_U

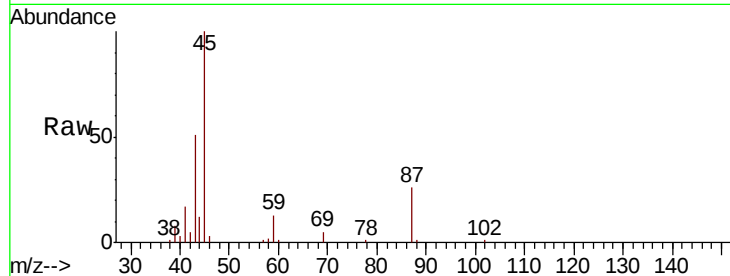
ClientSampleId :

Tot Ion: 45 Resp: 39216

Ion Ratio Lower Upper

45 100

43 52.4 24.2 72.6



Abundance Ion 45.00 (44.70 to 45.70): VU037996.D (-685) (-)

Ion 43.00 (42.70 to 43.70): VU037996.D (-685) (-)

4.04

15000

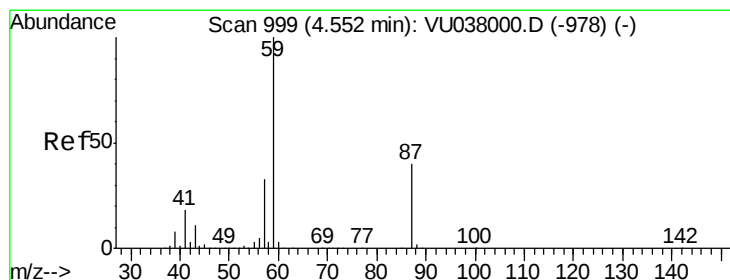
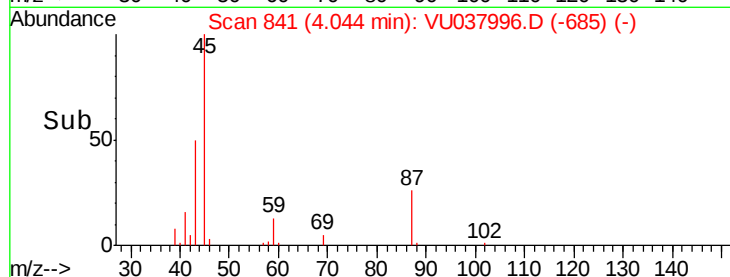
10000

5000

0

4.00 4.10

Time-->



#32

Ethyl-t-butyl ether

Concen: 0.469 ug/l

RT: 4.56 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VU037996.D

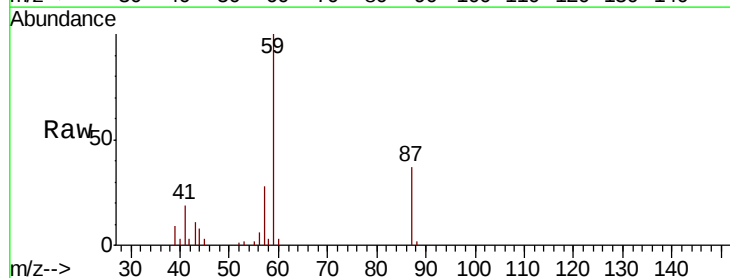
Acq: 04 May 2020 10:44

Tgt Ion: 59 Resp: 35819

Ion Ratio Lower Upper

59 100

87 40.6 32.4 48.6



Abundance Ion 59.00 (58.70 to 59.70): VU037996.D (-843) (-)

Ion 87.00 (86.70 to 87.70): VU037996.D (-843) (-)

4.56

15000

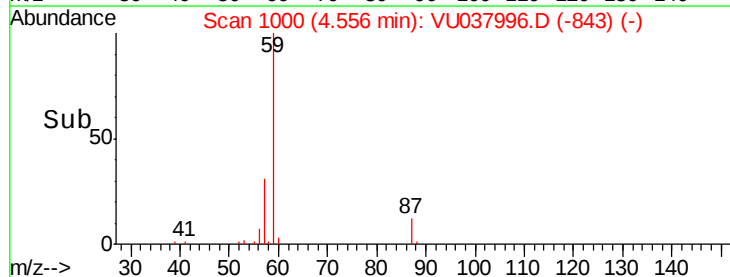
10000

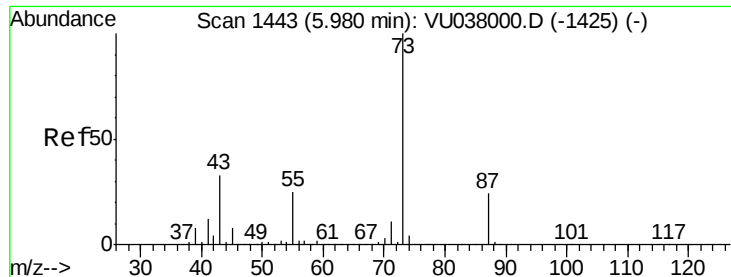
5000

0

4.45 4.50 4.55 4.60 4.65

Time-->

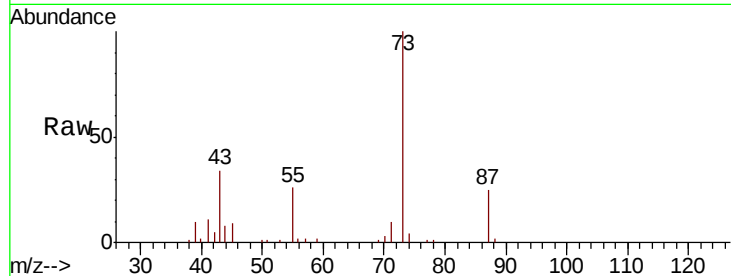




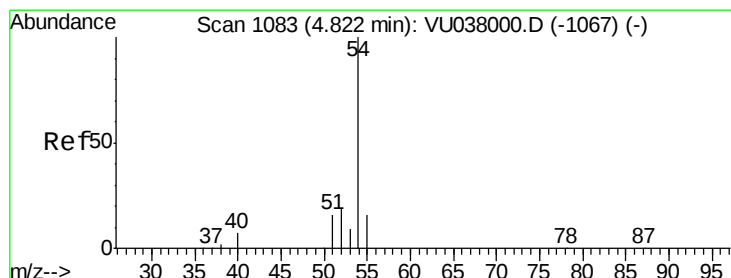
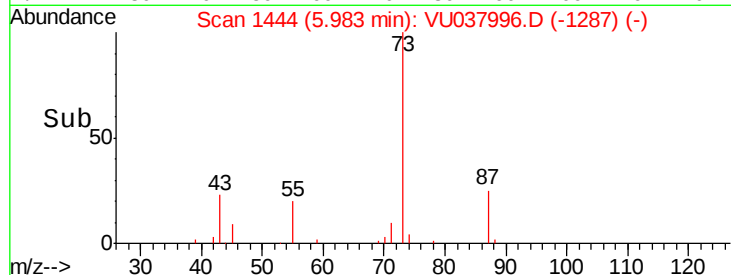
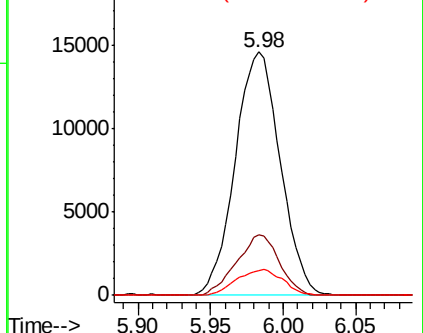
#33
Tert-Butyl methyl ether
Concen: 0.481 ug/l
RT: 5.98 min Scan# 1444
Delta R.T. 0.00 min
Lab File: VU037996.D
Acq: 04 May 2020 10:44

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 31467
Ion Ratio Lower Upper
73 100
87 23.5 18.9 28.3
71 10.9 9.1 13.7

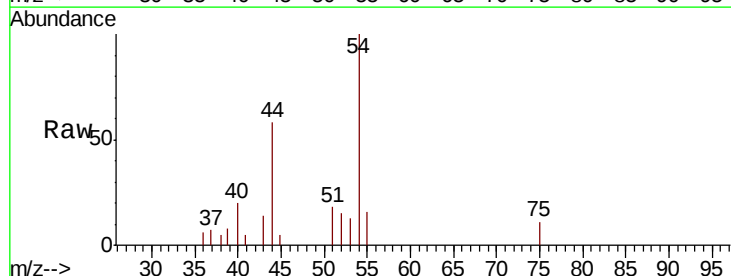


Abundance Ion 73.00 (72.70 to 73.70): VU038000.D (-1425) (-)
Ion 87.00 (86.70 to 87.70): VU038000.D (-1425) (-)
Ion 71.00 (70.70 to 71.70): VU038000.D (-1425) (-)

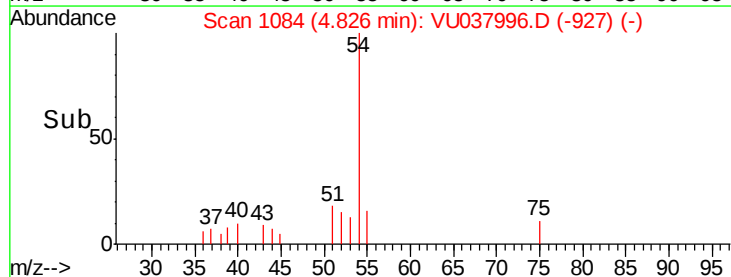
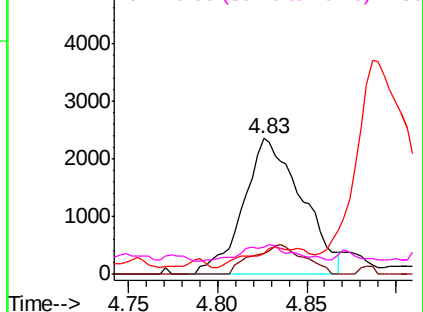


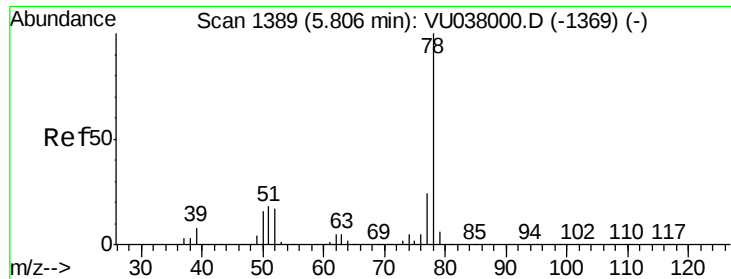
#34
Propionitrile
Concen: 2.435 ug/l
RT: 4.83 min Scan# 1084
Delta R.T. 0.00 min
Lab File: VU037996.D
Acq: 04 May 2020 10:44

Tgt Ion: 54 Resp: 5333
Ion Ratio Lower Upper
54 100
52 18.9 15.8 23.8
55 9.7 13.2 19.8#
40 10.7 5.2 7.8#



Abundance Ion 54.00 (53.70 to 54.70): VU038000.D (-1067) (-)
Ion 52.00 (51.70 to 52.70): VU038000.D (-1067) (-)
Ion 55.00 (54.70 to 55.70): VU038000.D (-1067) (-)
Ion 40.00 (39.70 to 40.70): VU038000.D (-1067) (-)





#35

Benzene

Concen: 0.502 ug/l

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

Instrument :

MSVOA_U

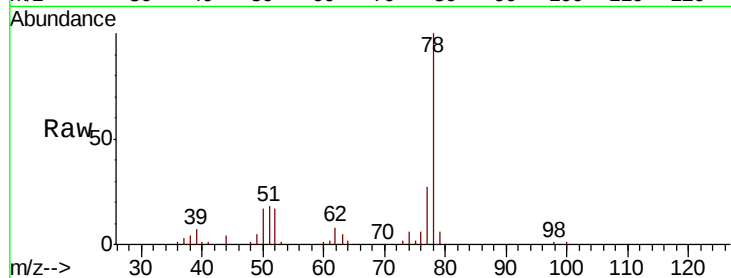
ClientSampled :

Tot Ion: 78 Resp: 54337

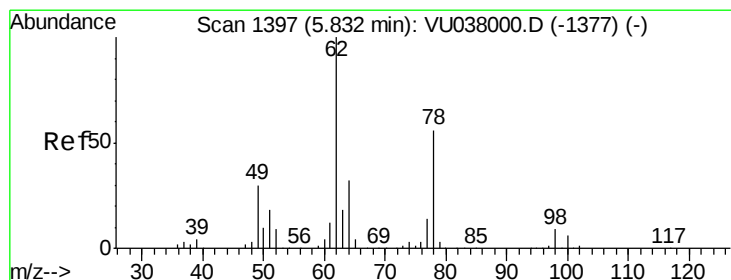
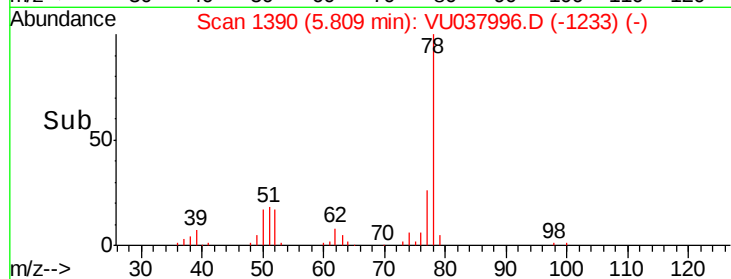
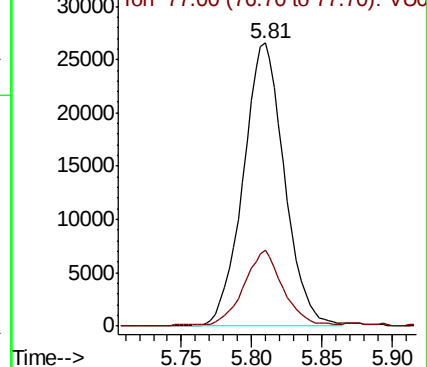
Ion Ratio Lower Upper

78 100

77 26.2 19.3 28.9



Abundance Ion 78.10 (77.80 to 78.80): VU037996.D (-1233) (-)



#36

1,2-Dichloroethane

Concen: 0.414 ug/l

RT: 5.83 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VU037996.D

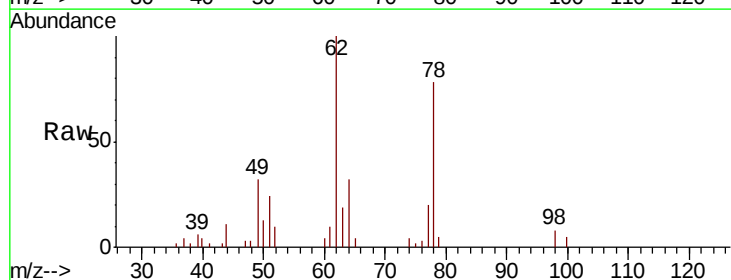
Acq: 04 May 2020 10:44

Tgt Ion: 62 Resp: 15840

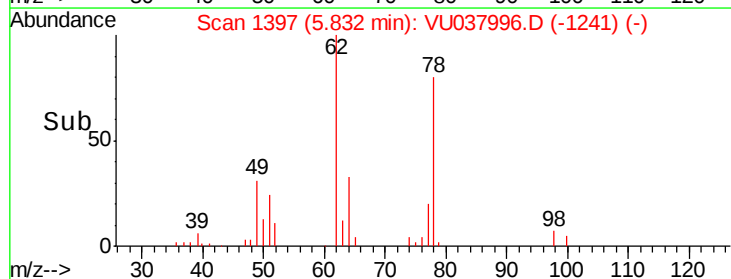
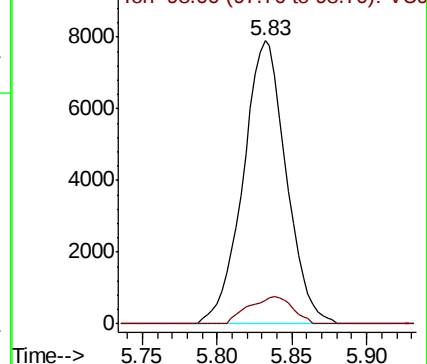
Ion Ratio Lower Upper

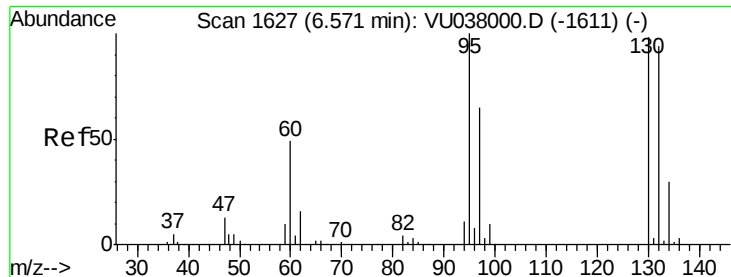
62 100

98 9.8 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VU037996.D (-1241) (-)

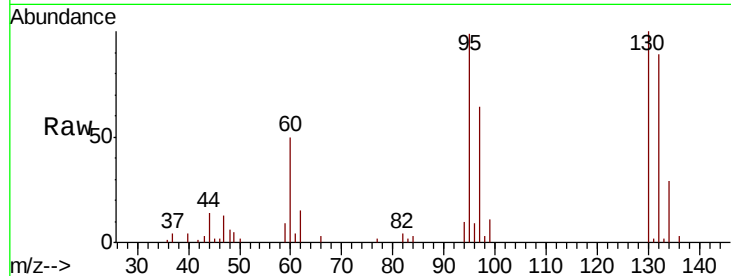




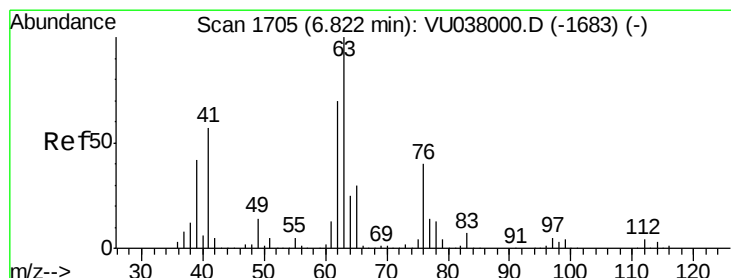
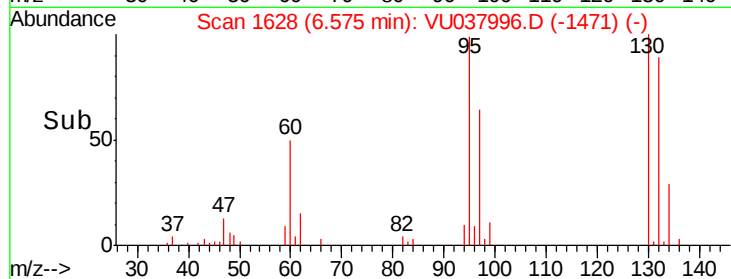
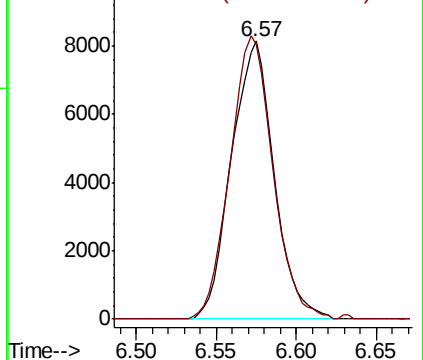
#37
 Trichloroethene
 Concen: 0.521 ug/l
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU037996.D
 Acq: 04 May 2020 10:44

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:130 Resp: 14823
 Ion Ratio Lower Upper
 130 100
 95 98.9 81.6 122.4

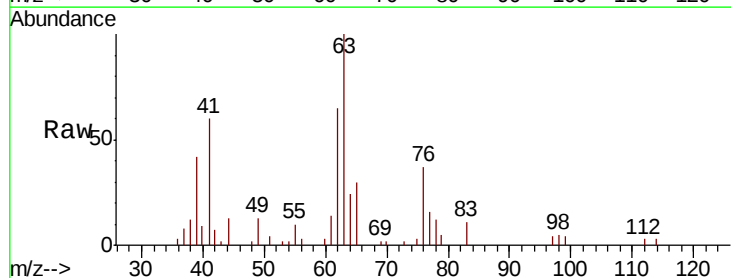


Abundance Ion 129.90 (129.60 to 130.60): VU038000.D (-1611) (-)
 Ion 94.90 (94.60 to 95.60): VU038000.D (-1611) (-)

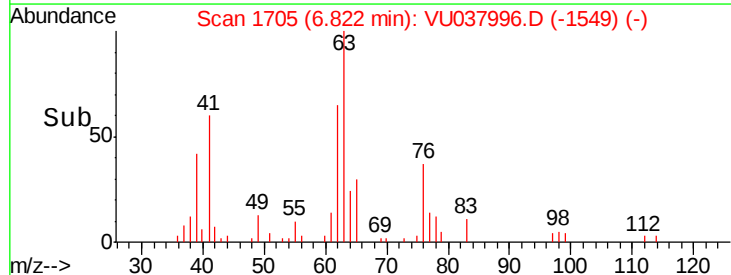
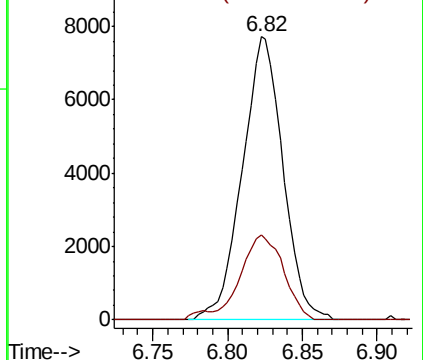


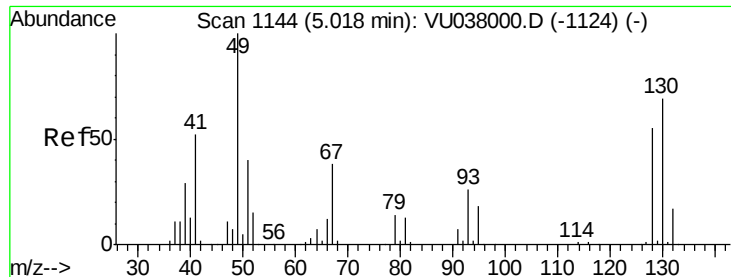
#38
 1,2-Dichloropropane
 Concen: 0.493 ug/l
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU037996.D
 Acq: 04 May 2020 10:44

Tgt Ion: 63 Resp: 14587
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.1 36.1



Abundance Ion 63.00 (62.70 to 63.70): VU038000.D (-1683) (-)
 Ion 65.00 (64.70 to 65.70): VU038000.D (-1683) (-)

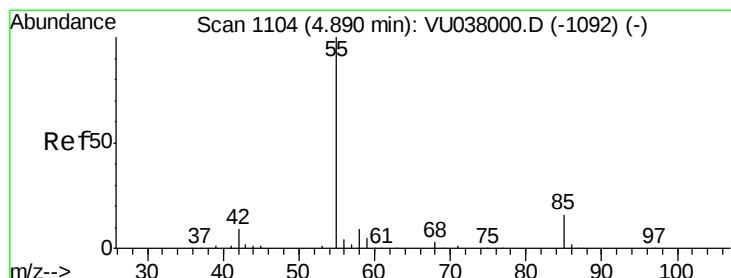
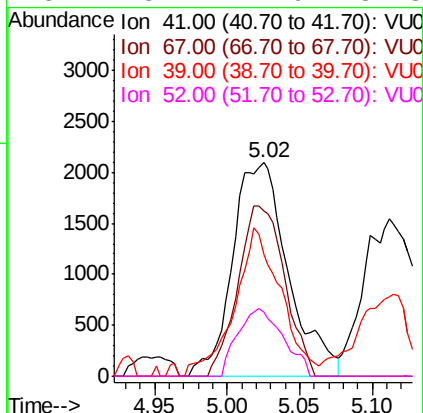
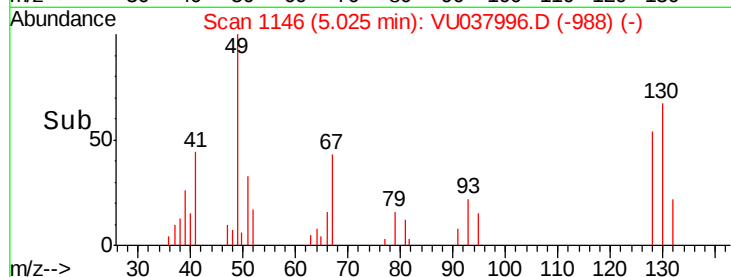
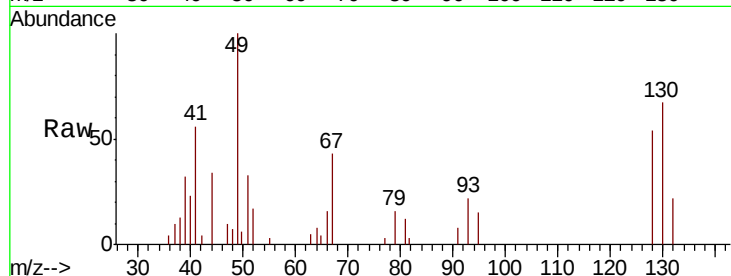




#39
Methacrylonitrile
Concen: 0.536 ug/l
RT: 5.02 min Scan# 1146
Delta R.T. 0.01 min
Lab File: VU037996.D
Acq: 04 May 2020 10:44

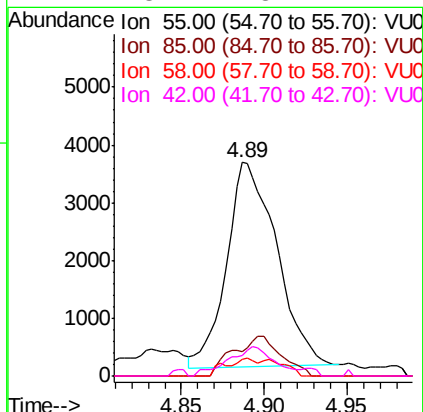
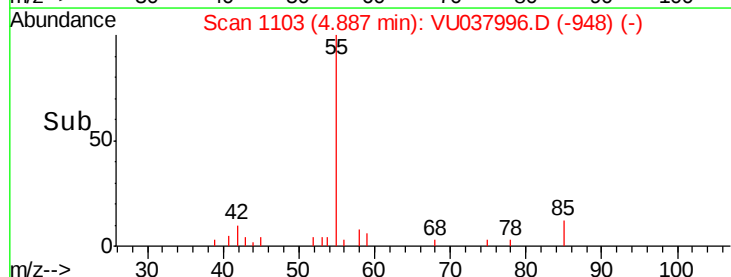
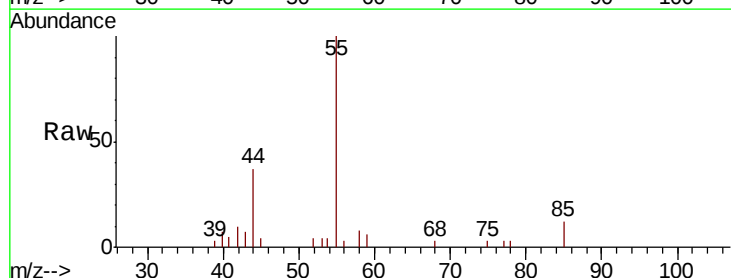
Instrument :
MSVOA_U
ClientSampled :

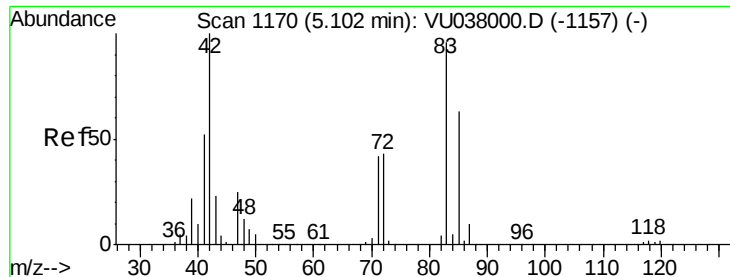
Tot Ion: 41 Resp: 5603
Ion Ratio Lower Upper
41 100
67 66.7 58.0 87.0
39 57.4 43.2 64.8
52 25.7 22.9 34.3



#40
Methyl acrylate
Concen: 0.502 ug/l
RT: 4.89 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VU037996.D
Acq: 04 May 2020 10:44

Tgt Ion: 55 Resp: 7419
Ion Ratio Lower Upper
55 100
85 18.4 12.9 19.3
58 1.6 7.2 10.8#
42 13.2 8.1 12.1#





#41

Tetrahydrofuran

Concen: 1.077 ug/l

RT: 5.11 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

Instrument :
MSVOA_U
ClientSampleId :

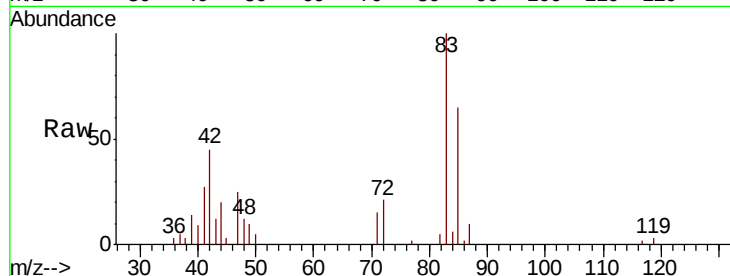
Tot Ion: 42 Resp: 5617

Ion Ratio Lower Upper

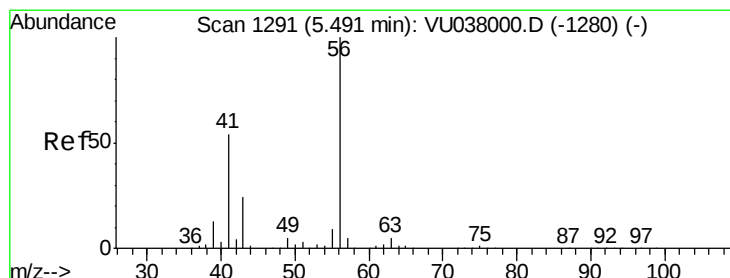
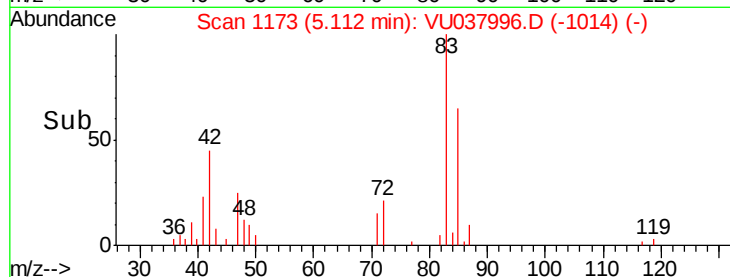
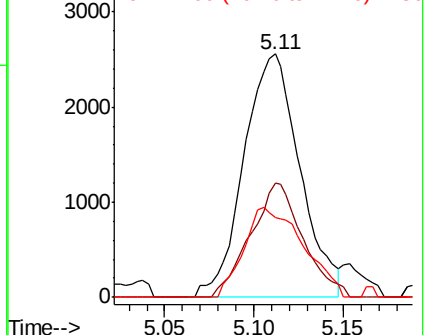
42 100

72 44.0 37.4 56.2

71 39.2 32.8 49.2



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: 0.500 ug/l

RT: 5.49 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VU037996.D

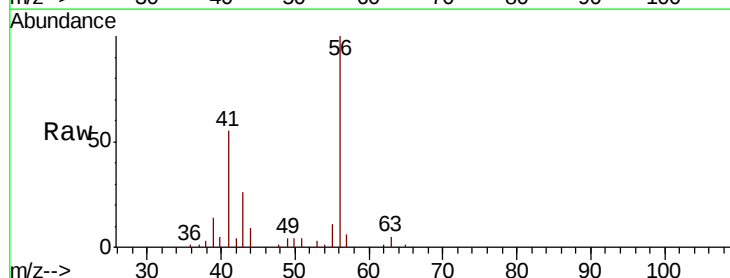
Acq: 04 May 2020 10:44

Tgt Ion: 56 Resp: 27411

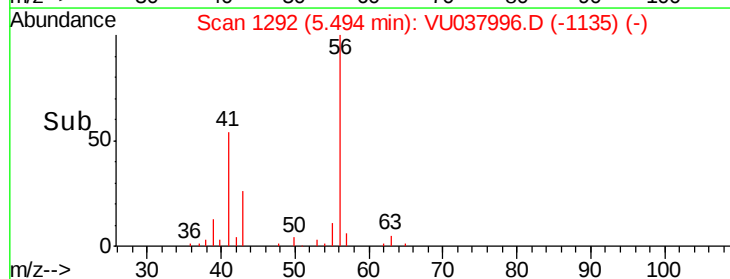
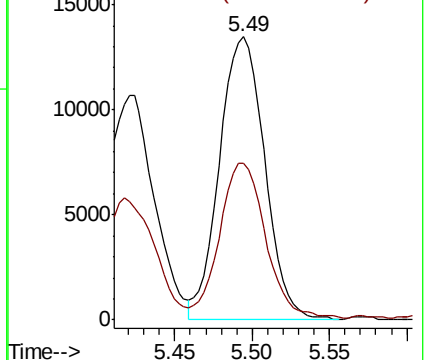
Ion Ratio Lower Upper

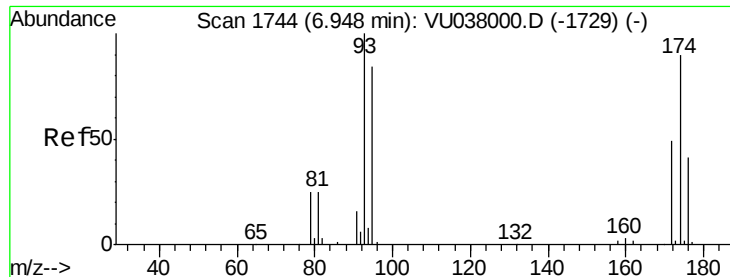
56 100

41 55.4 26.8 80.4



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 0.473 ug/l

RT: 6.95 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

Instrument :

MSVOA_U

ClientSampleId :

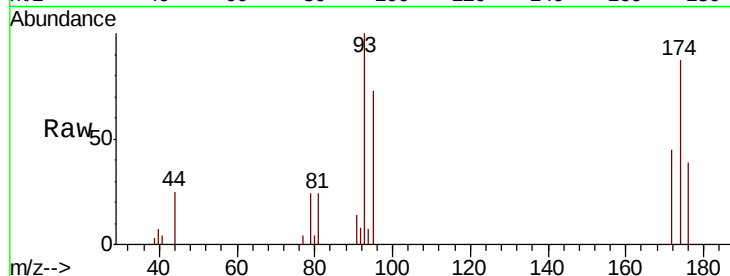
Tot Ion: 93 Resp: 7059

Ion Ratio Lower Upper

93 100

95 77.4 66.1 99.1

174 84.1 72.8 109.2



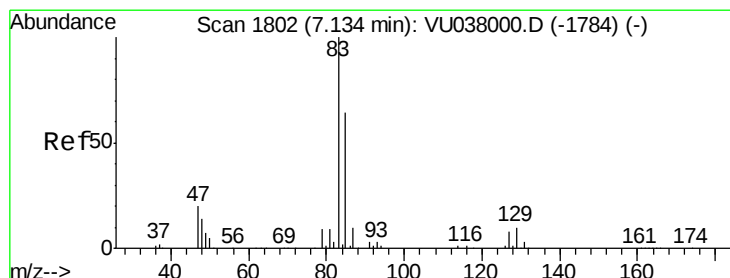
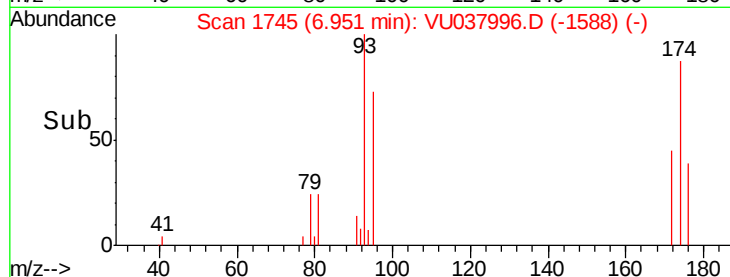
Abundance Ion 93.00 (92.70 to 93.70): VU038000.D (-1729) (-)

Ion 95.00 (94.70 to 95.70): VU038000.D (-1729) (-)

Ion 174.00 (173.70 to 174.70): VU038000.D (-1729) (-)

6.95

Time-->



#44

Bromodichloromethane

Concen: 0.429 ug/l

RT: 7.14 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

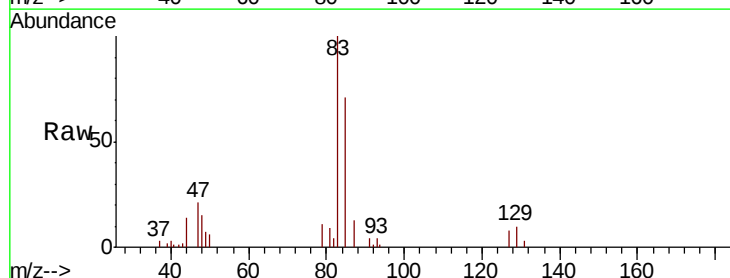
Tgt Ion: 83 Resp: 16614

Ion Ratio Lower Upper

83 100

85 71.2 51.4 77.0

127 7.9 6.2 9.2



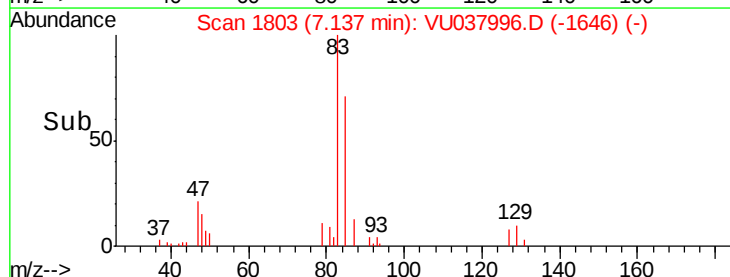
Abundance Ion 83.00 (82.70 to 83.70): VU038000.D (-1784) (-)

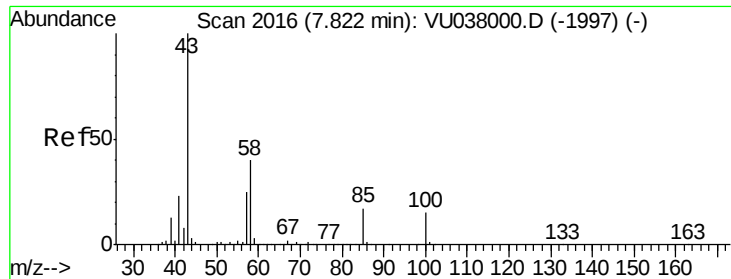
Ion 85.00 (84.70 to 85.70): VU038000.D (-1784) (-)

Ion 127.00 (126.70 to 127.70): VU038000.D (-1784) (-)

7.14

Time-->

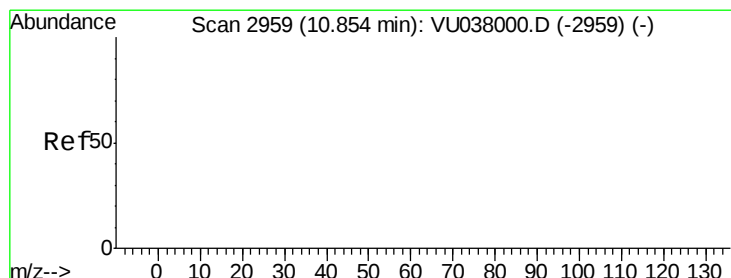
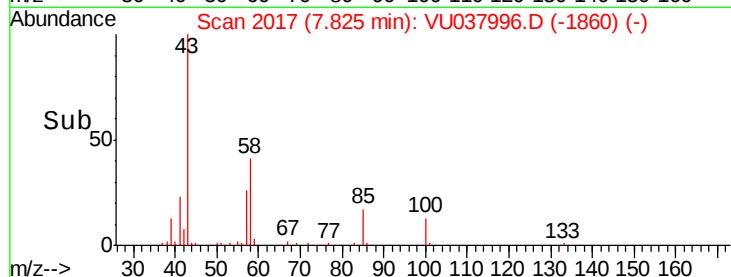
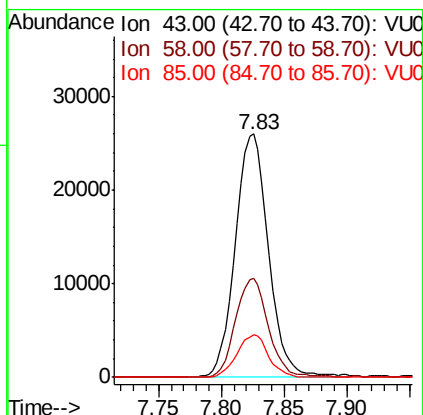
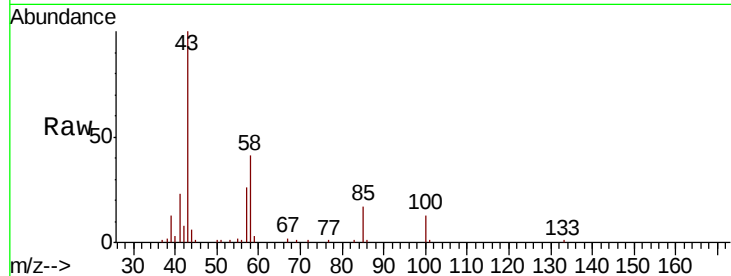




#45
4-Methyl-2-Pentanone
Concen: 2.383 ug/l
RT: 7.83 min Scan# 2017
Delta R.T. 0.00 min
Lab File: VU037996.D
Acq: 04 May 2020 10:44

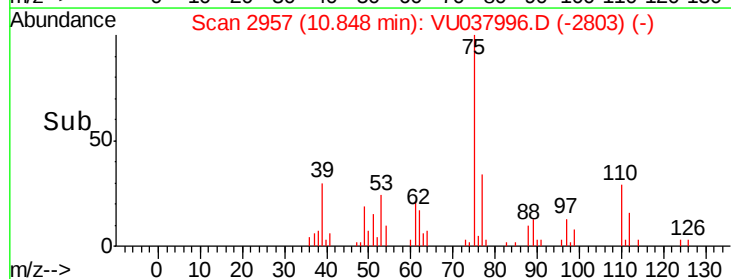
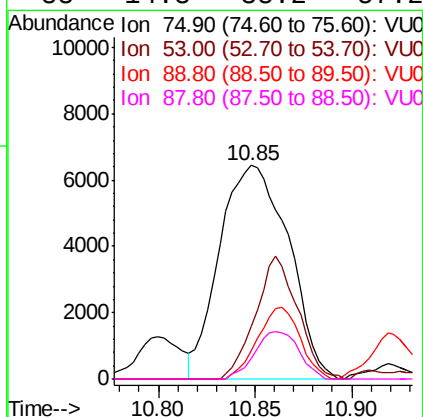
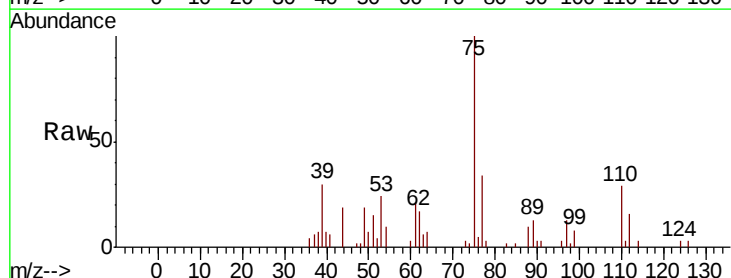
Instrument :
MSVOA_U
ClientSampled :

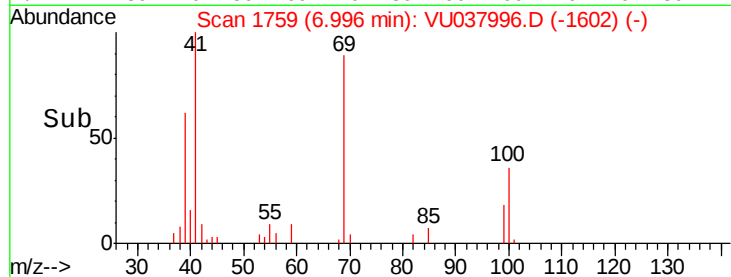
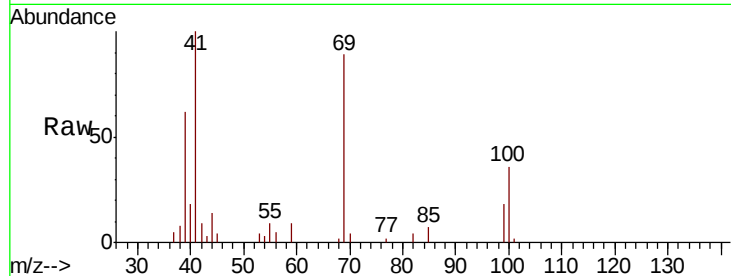
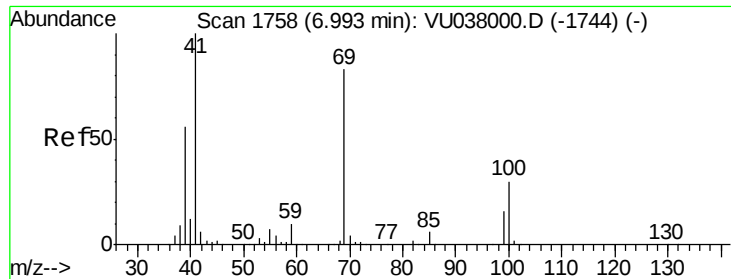
Tot Ion	Ratio	Lower	Upper
43	100		
58	40.2	20.1	60.3
85	16.6	13.7	20.5



#46
t-1,4-Dichloro-2-butene
Concen: 2.918 ug/l
RT: 10.85 min Scan# 2957
Delta R.T. -0.01 min
Lab File: VU037996.D
Acq: 04 May 2020 10:44

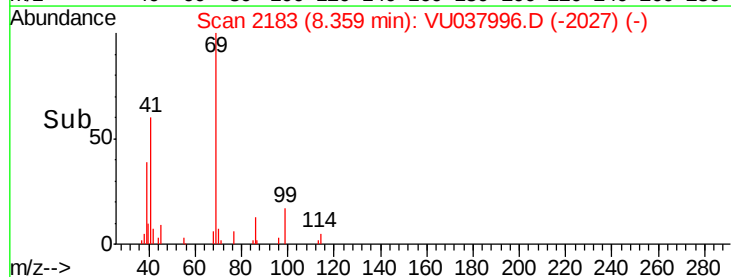
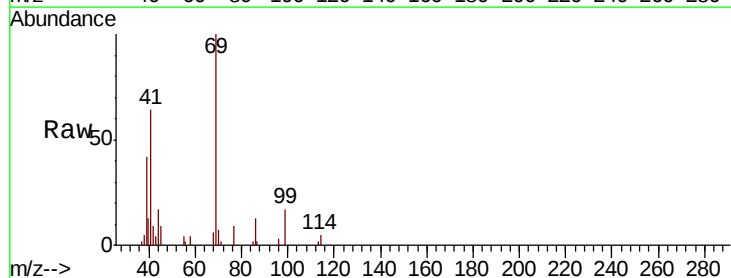
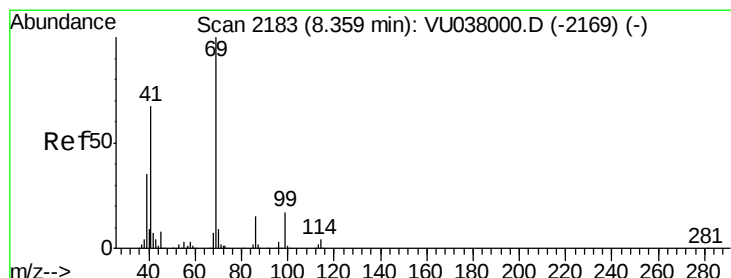
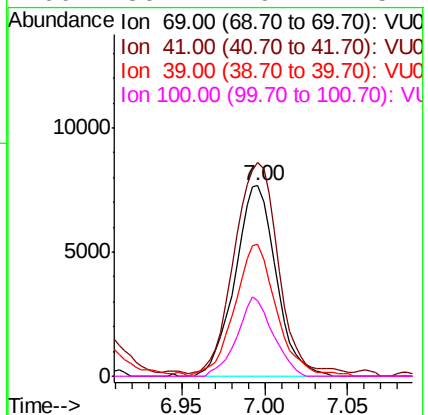
Tgt Ion	Ratio	Lower	Upper
75	100		
53	35.1	81.1	121.7#
89	20.7	53.2	79.8#
88	14.3	38.2	57.2#





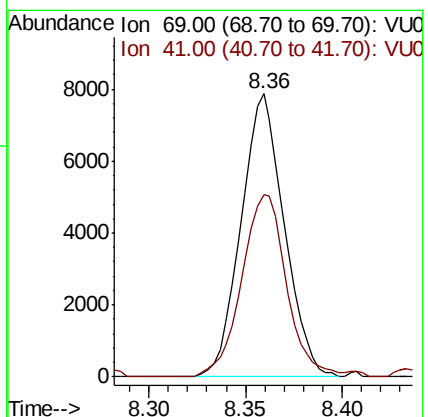
#47
Methyl methacrylate
Concen: 1.051 ug/l
RT: 7.00 min Scan# 1759
Delta R.T. 0.00 min
Lab File: VU037996.D
Acq: 04 May 2020 10:44

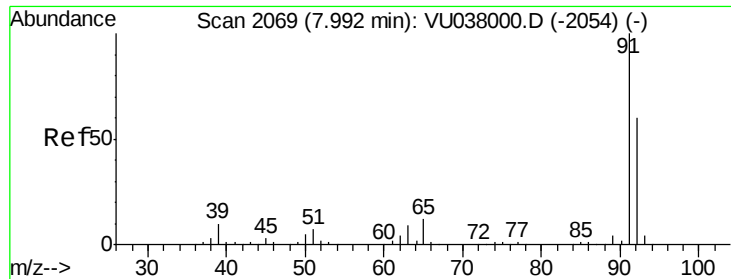
Tot Ion: 69 Resp: 13264
Ion Ratio Lower Upper
69 100
41 117.4 0.0 241.6
39 70.5 52.9 79.3
100 36.1 29.1 43.7



#48
Ethyl methacrylate
Concen: 0.491 ug/l
RT: 8.36 min Scan# 2183
Delta R.T. 0.00 min
Lab File: VU037996.D
Acq: 04 May 2020 10:44

Tgt Ion: 69 Resp: 12229
Ion Ratio Lower Upper
69 100
41 66.8 33.6 100.8





#49

Toluene

Concen: 0.514 ug/l

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

Instrument :

MSVOA_U

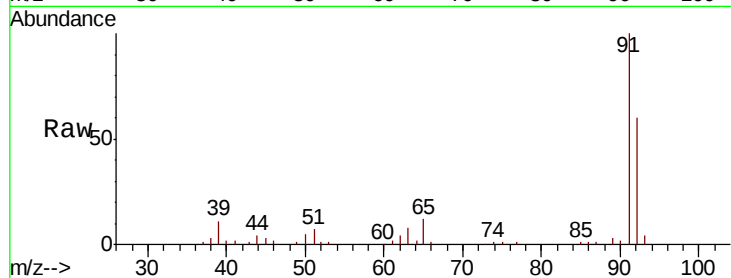
ClientSampleId :

Tot Ion: 92 Resp: 33558

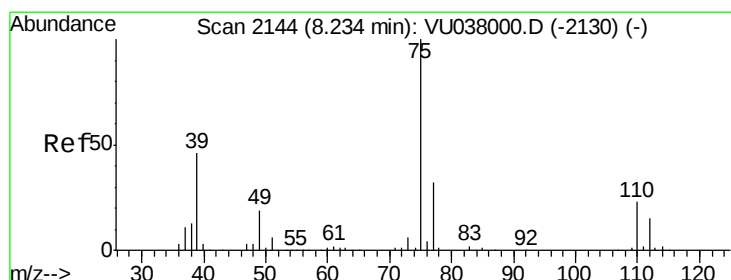
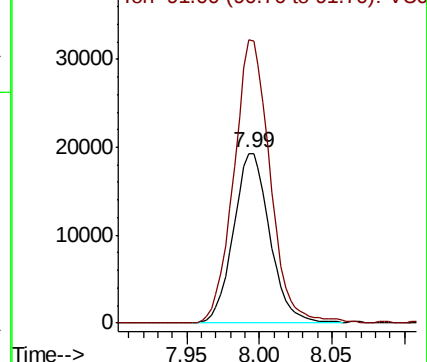
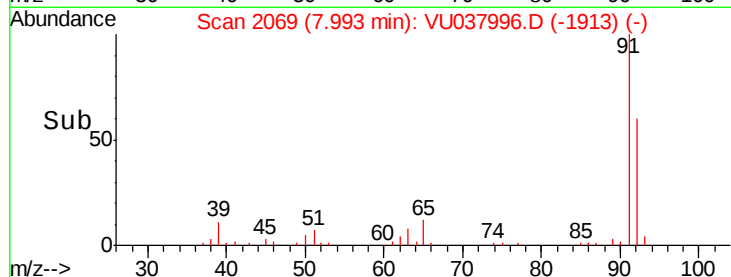
Ion Ratio Lower Upper

92 100

91 167.0 134.4 201.6



Abundance Ion 92.00 (91.70 to 92.70): VU037996.D (-1913) (-)



#50

t-1,3-Dichloropropene

Concen: 0.471 ug/l

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037996.D

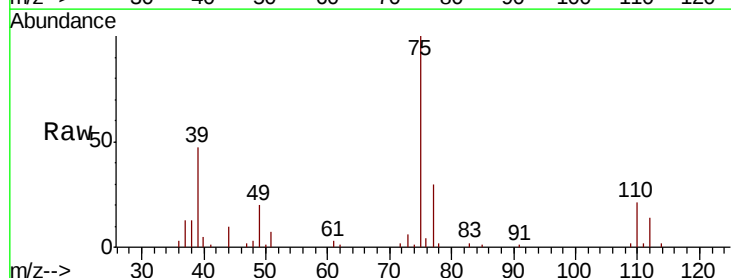
Acq: 04 May 2020 10:44

Tgt Ion: 75 Resp: 16750

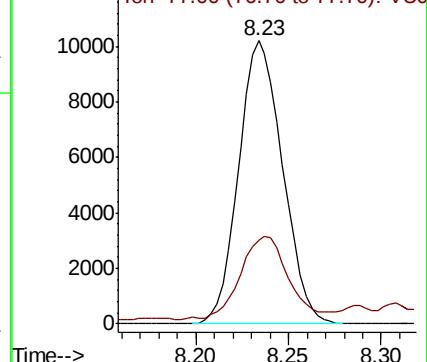
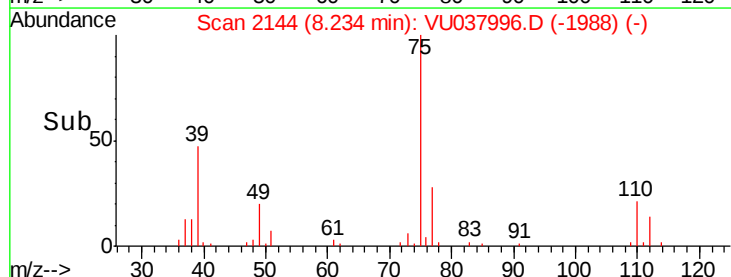
Ion Ratio Lower Upper

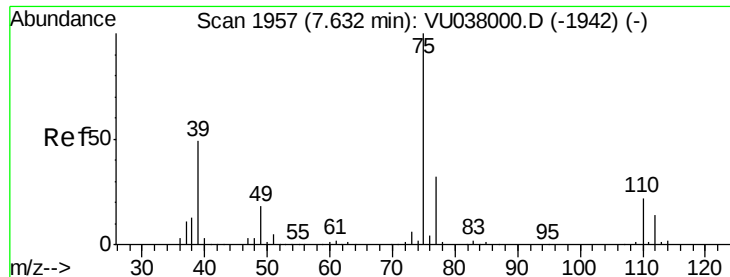
75 100

77 27.4 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU037996.D (-1988) (-)



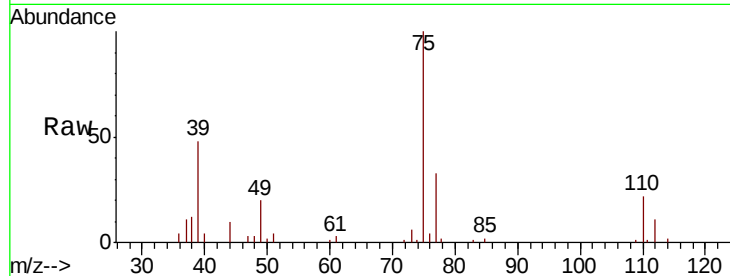


#51

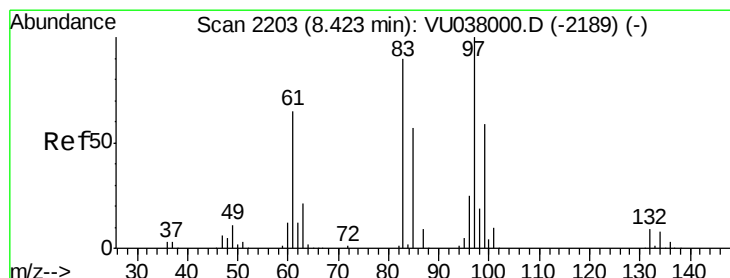
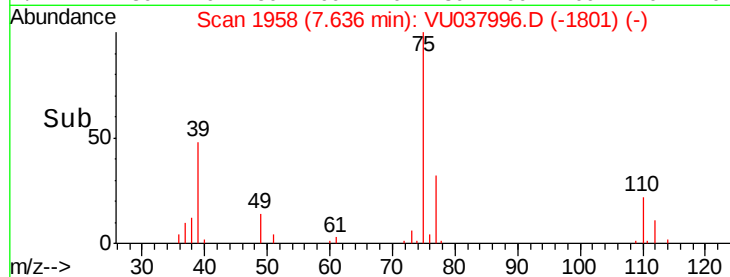
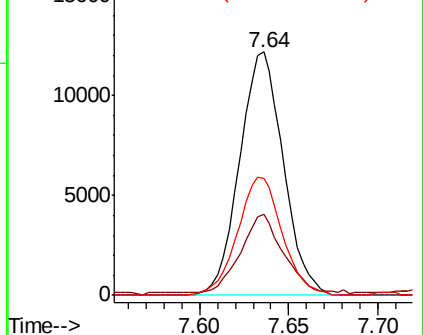
cis-1,3-Dichloropropene
 Concen: 0.509 ug/l
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU037996.D
 Acq: 04 May 2020 10:44

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 20851
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.5 38.3
 39 48.0 39.0 58.4



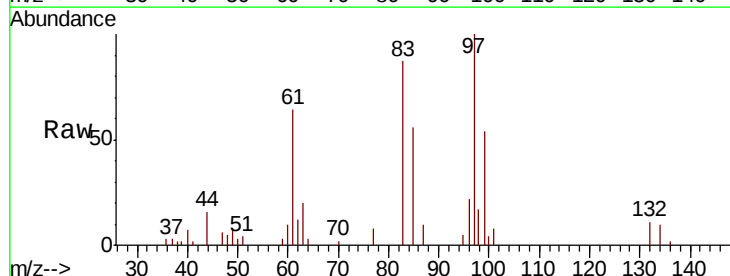
Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0



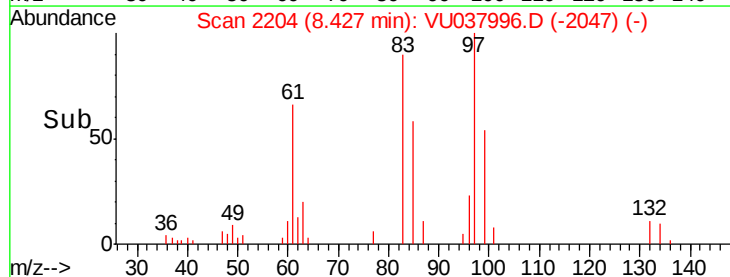
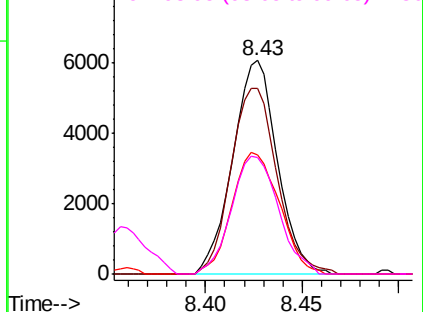
#52

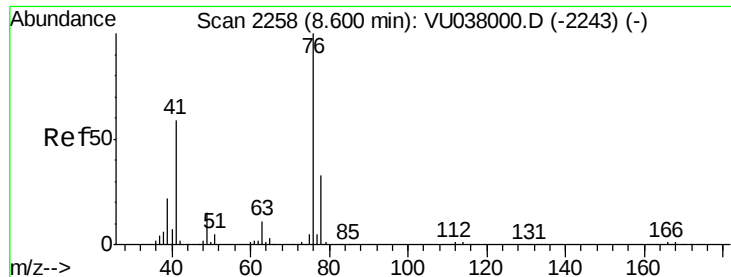
1,1,2-Trichloroethane
 Concen: 0.485 ug/l
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU037996.D
 Acq: 04 May 2020 10:44

Tgt Ion: 97 Resp: 9732
 Ion Ratio Lower Upper
 97 100
 83 86.7 72.4 108.6
 85 56.0 46.0 69.0
 99 54.4 50.4 75.6



Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 84.95 (84.65 to 85.65): VU0
 Ion 98.95 (98.65 to 99.65): VU0

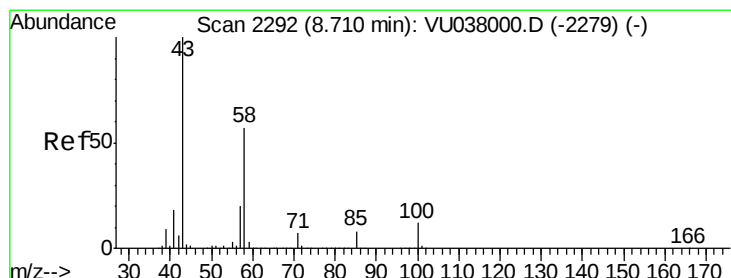
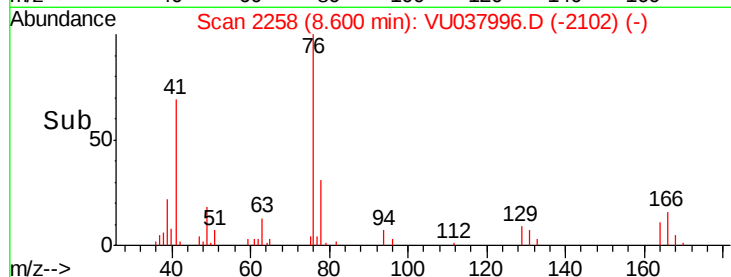
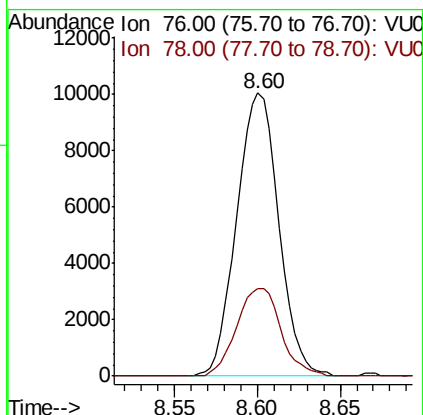
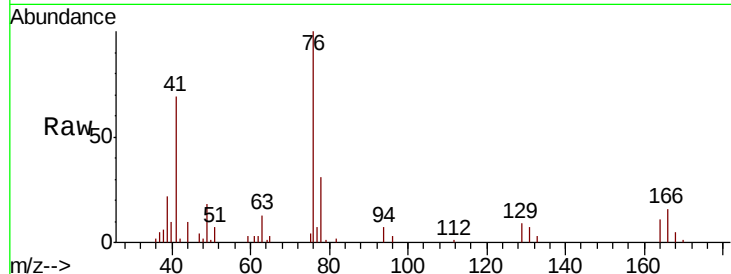




#53
 1,3-Dichloropropane
 Concen: 0.493 ug/l
 RT: 8.60 min Scan# 2258
 Delta R.T. 0.00 min
 Lab File: VU037996.D
 Acq: 04 May 2020 10:44

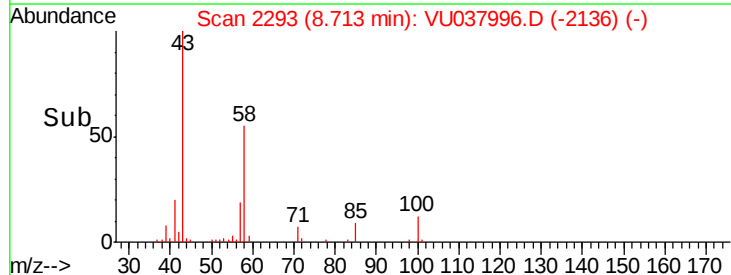
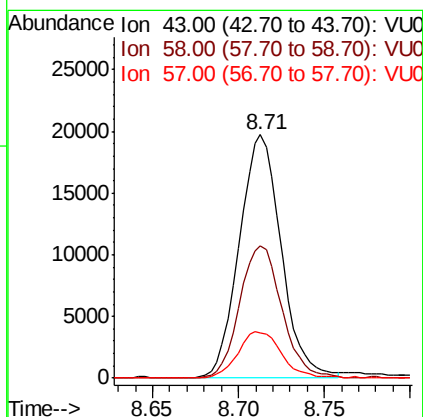
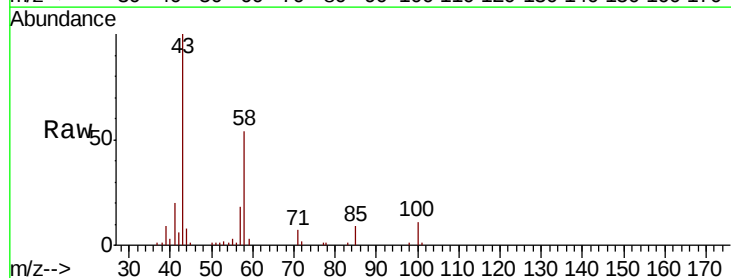
Instrument :
 MSVOA_U
 ClientSampleId :

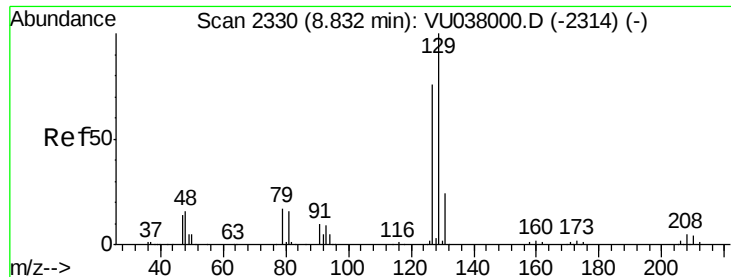
Tot Ion: 76 Resp: 17765
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.6



#54
 2-Hexanone
 Concen: 2.430 ug/l
 RT: 8.71 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: VU037996.D
 Acq: 04 May 2020 10:44

Tgt Ion: 43 Resp: 33547
 Ion Ratio Lower Upper
 43 100
 58 54.5 36.5 76.5
 57 19.9 0.0 39.5





#55

Dibromochloromethane

Concen: 0.408 ug/l

RT: 8.84 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

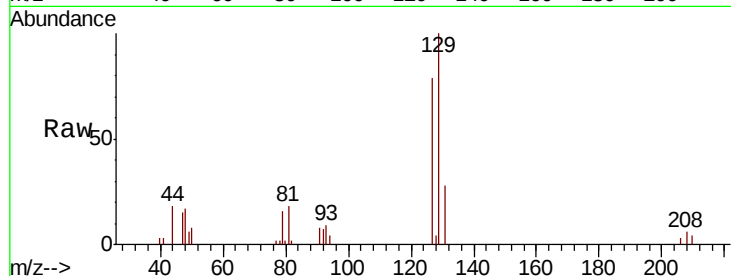
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:129 Resp: 9983

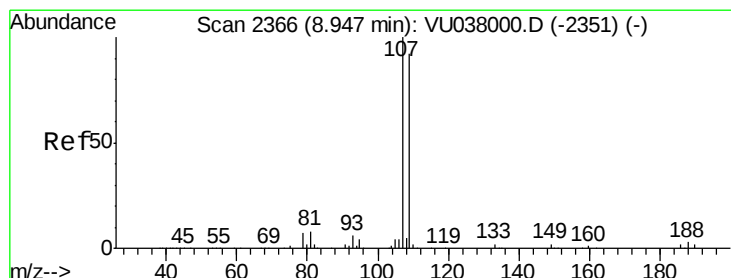
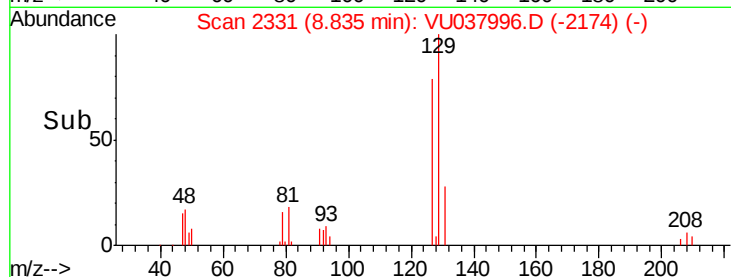
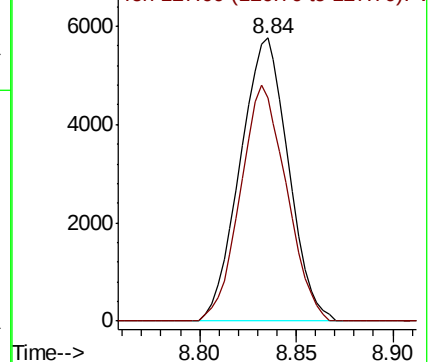
Ion Ratio Lower Upper

129 100

127 79.7 62.2 93.2



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



#56

1,2-Dibromoethane

Concen: 0.488 ug/l

RT: 8.95 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VU037996.D

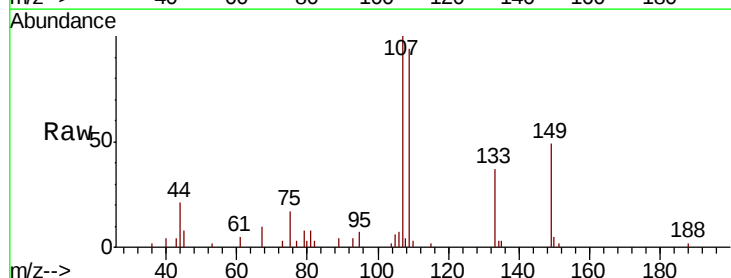
Acq: 04 May 2020 10:44

Tgt Ion:107 Resp: 9185

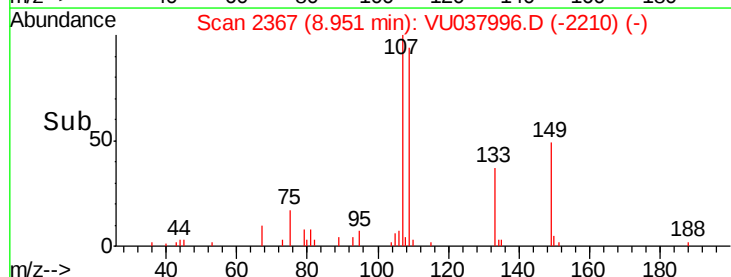
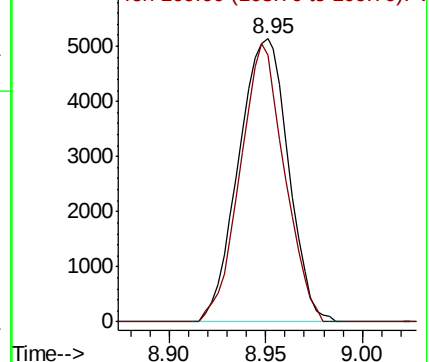
Ion Ratio Lower Upper

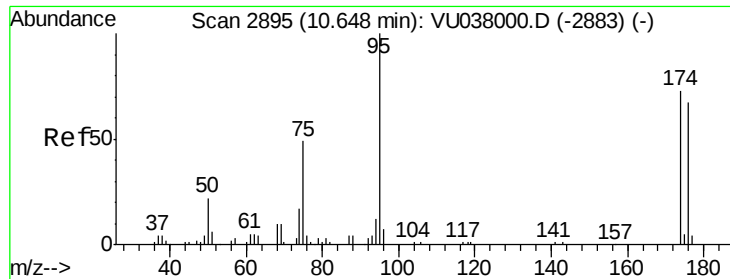
107 100

109 87.6 0.0 184.6



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

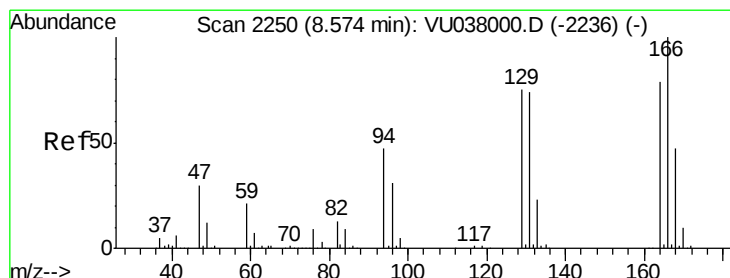
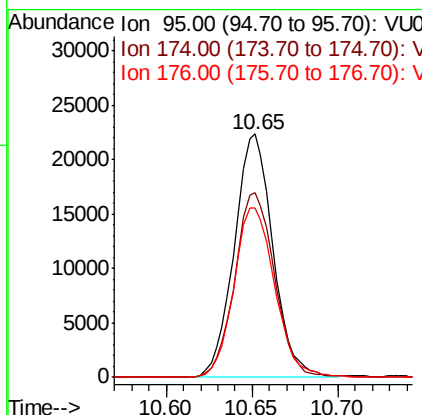
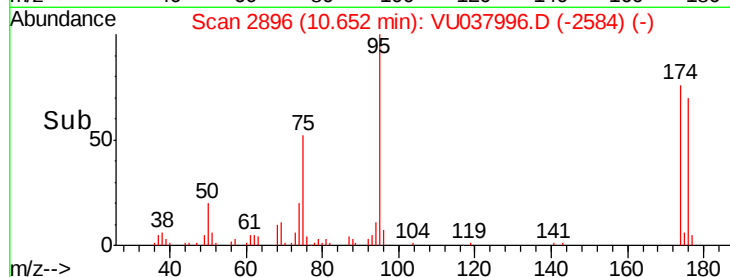
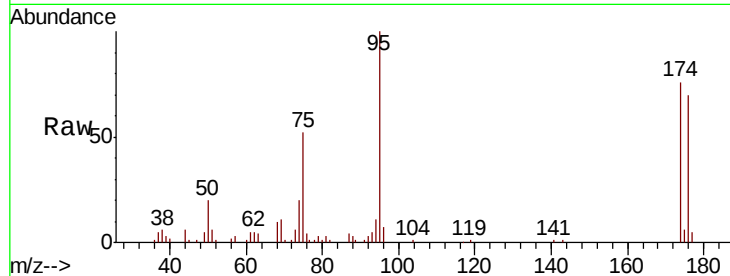




#57
4-Bromofluorobenzene
Concen: 1.003 ug/l
RT: 10.65 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VU037996.D
Acq: 04 May 2020 10:44

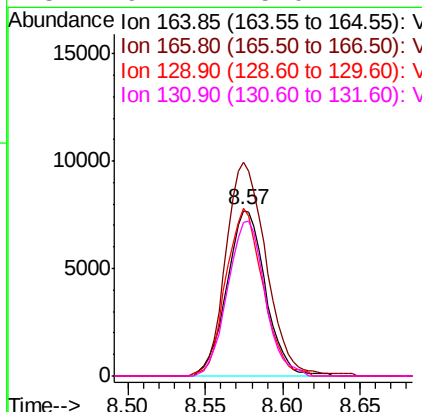
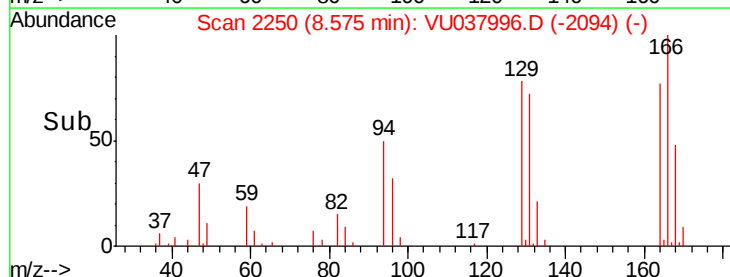
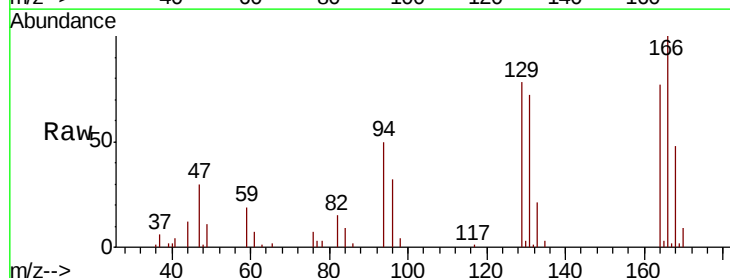
Instrument :
MSVOA_U
ClientSampleId :

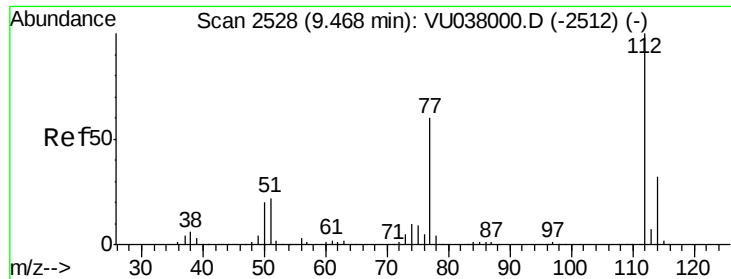
Tot Ion: 95 Resp: 34976
Ion Ratio Lower Upper
95 100
174 77.8 61.2 91.8
176 73.4 57.1 85.7



#58
Tetrachloroethene
Concen: 0.499 ug/l
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU037996.D
Acq: 04 May 2020 10:44

Tgt Ion: 164 Resp: 13314
Ion Ratio Lower Upper
164 100
166 129.2 101.5 152.3
129 101.3 76.6 114.8
131 92.7 75.0 112.4





#59

Chlorobenzene

Concen: 0.488 ug/l

RT: 9.47 min Scan# 2528

Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

Instrument :

MSVOA_U

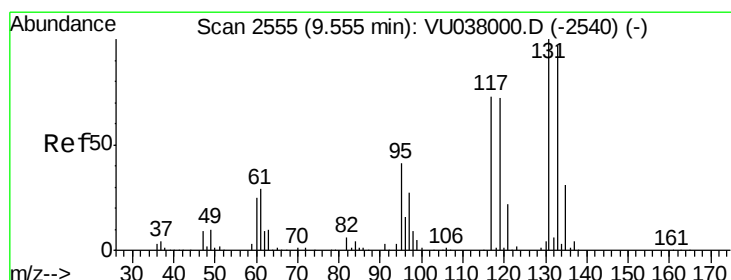
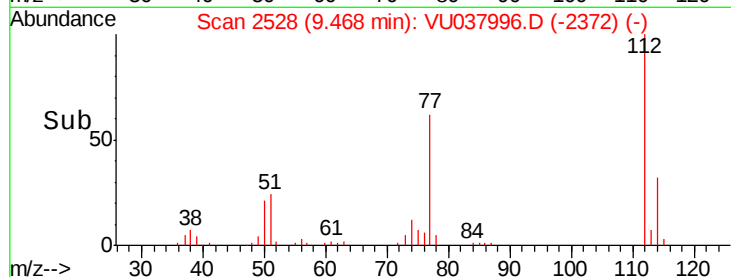
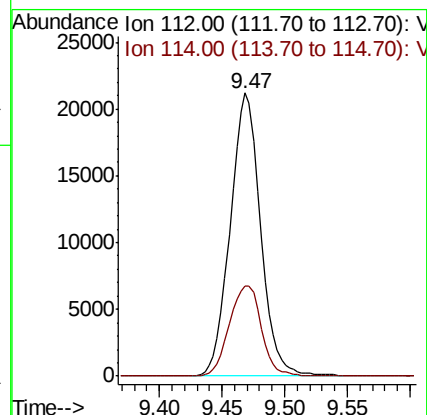
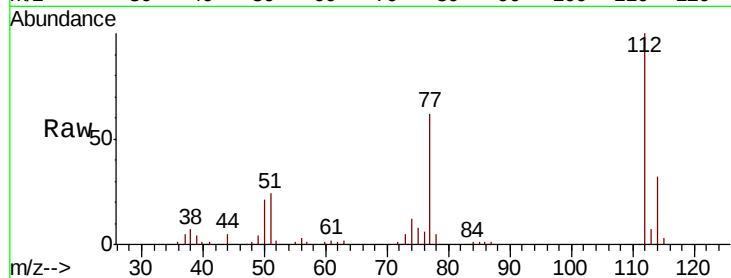
ClientSampleId :

Tot Ion:112 Resp: 35497

Ion Ratio Lower Upper

112 100

114 31.8 25.7 38.5



#60

1,1,1,2-Tetrachloroethane

Concen: 0.408 ug/l

RT: 9.56 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

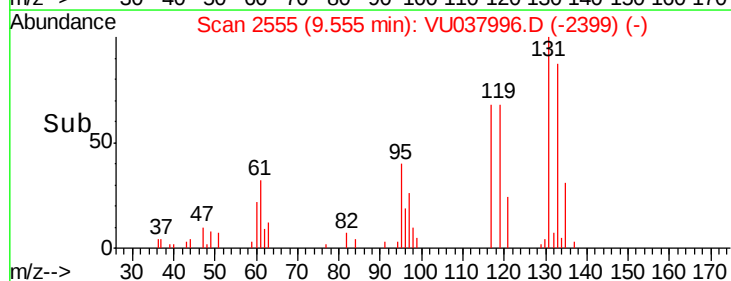
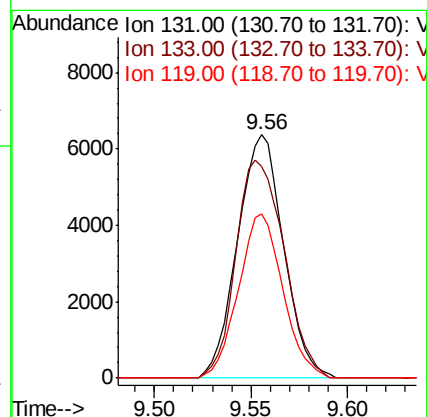
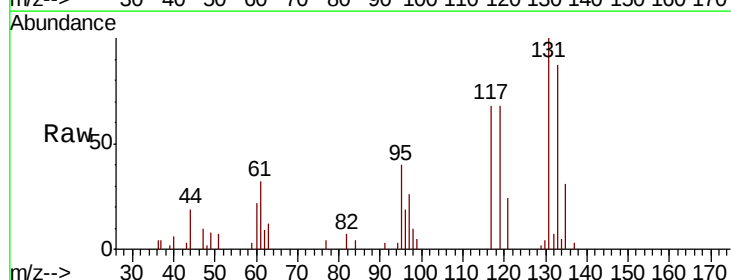
Tgt Ion:131 Resp: 10559

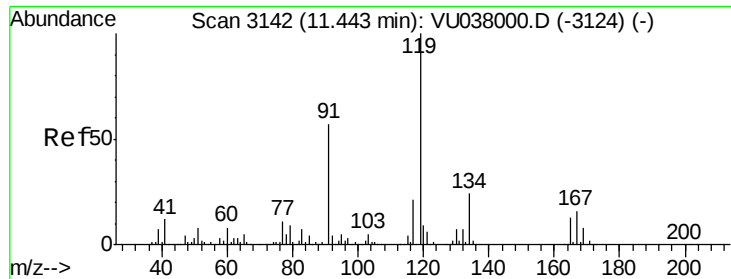
Ion Ratio Lower Upper

131 100

133 93.5 76.8 115.2

119 64.9 56.7 85.1

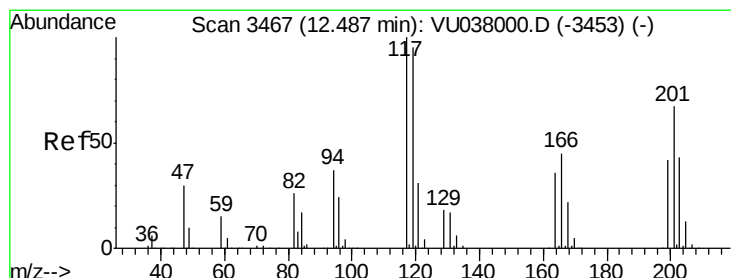
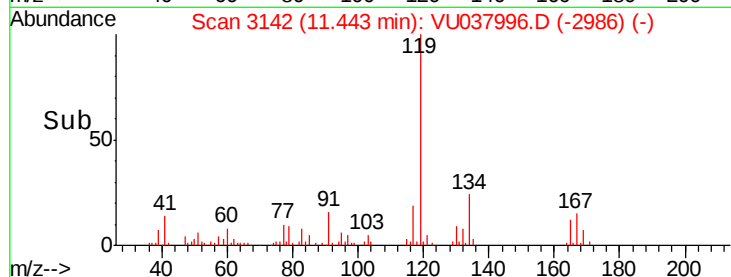
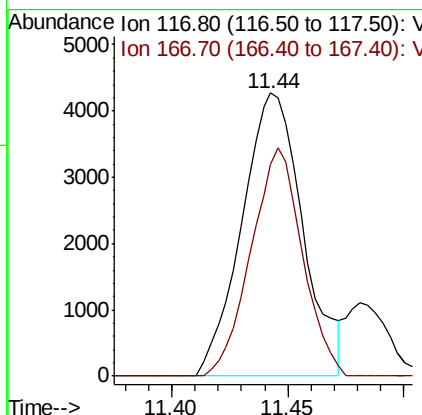
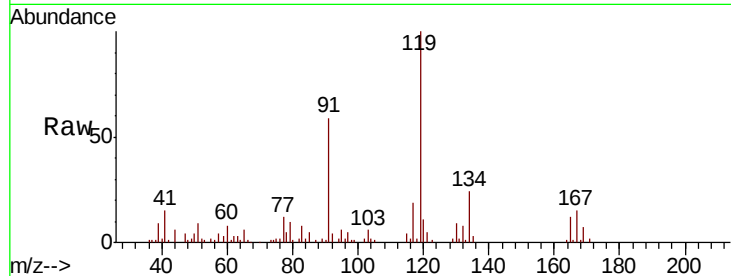




#61
 Pentachloroethane
 Concen: 0.396 ug/l
 RT: 11.44 min Scan# 3142
 Delta R.T. 0.00 min
 Lab File: VU037996.D
 Acq: 04 May 2020 10:44

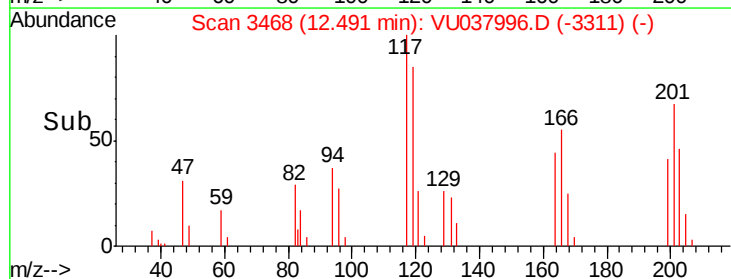
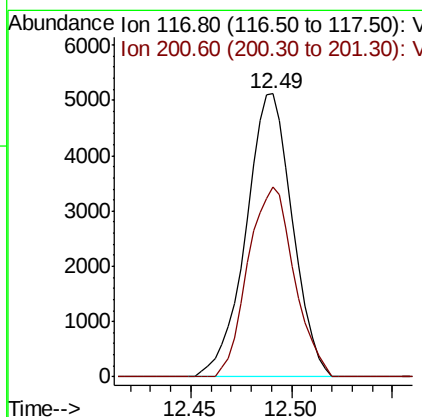
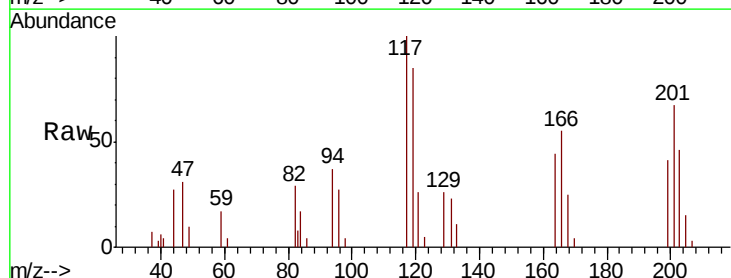
Instrument :
 MSVOA_U
 ClientSampleId :

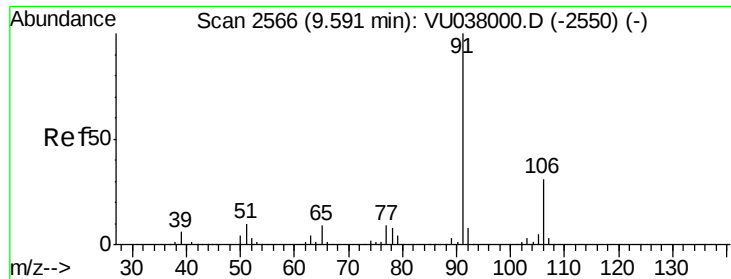
Tot Ion:117 Resp: 7817
 Ion Ratio Lower Upper
 117 100
 167 67.7 60.3 90.5



#62
 Hexachloroethane
 Concen: 0.393 ug/l
 RT: 12.49 min Scan# 3468
 Delta R.T. 0.00 min
 Lab File: VU037996.D
 Acq: 04 May 2020 10:44

Tgt Ion:117 Resp: 8250
 Ion Ratio Lower Upper
 117 100
 201 66.6 54.7 82.1

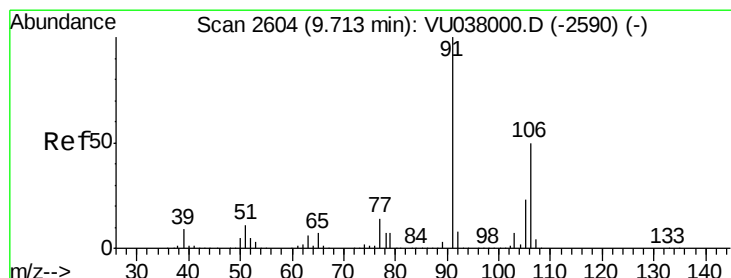
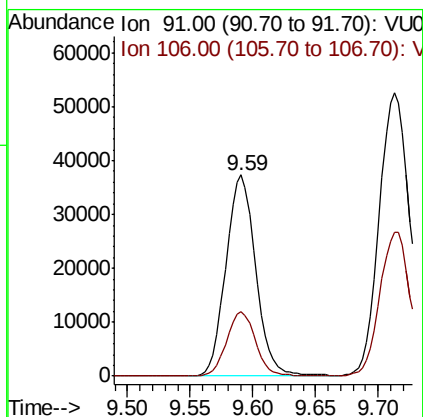
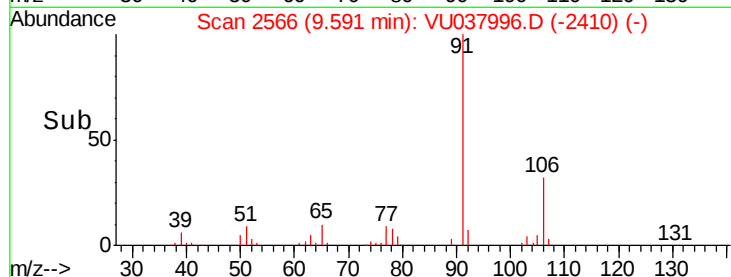
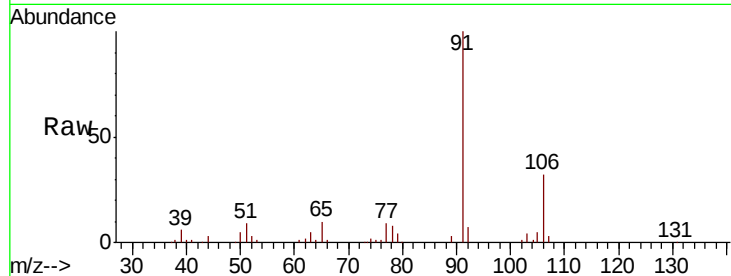




#63
Ethyl Benzene
Concen: 0.498 ug/l
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU037996.D
Acq: 04 May 2020 10:44

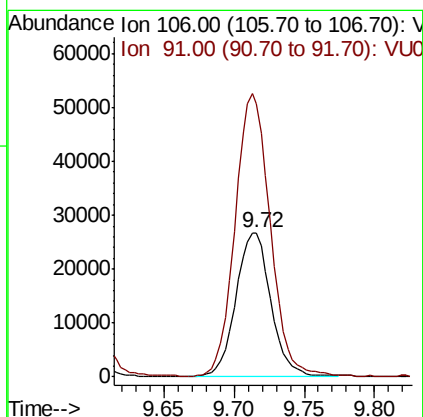
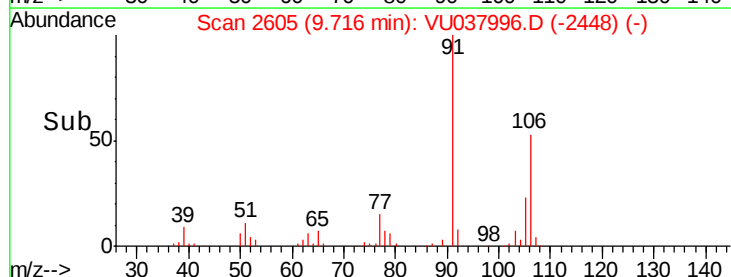
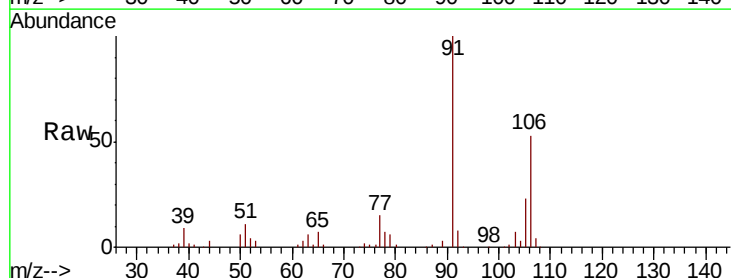
Instrument :
MSVOA_U
ClientSampled :

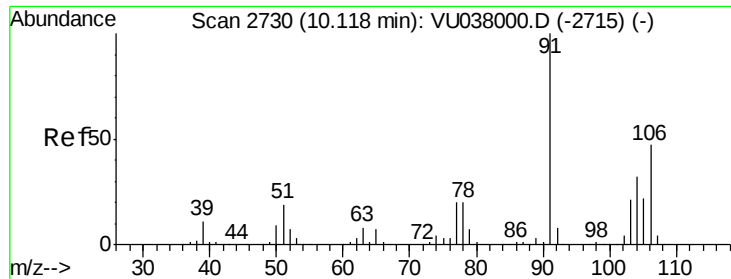
Tot Ion: 91 Resp: 61821
Ion Ratio Lower Upper
91 100
106 31.9 24.9 37.3



#64
m/p-Xylenes
Concen: 0.992 ug/l
RT: 9.72 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VU037996.D
Acq: 04 May 2020 10:44

Tgt Ion: 106 Resp: 46658
Ion Ratio Lower Upper
106 100
91 195.8 159.5 239.3

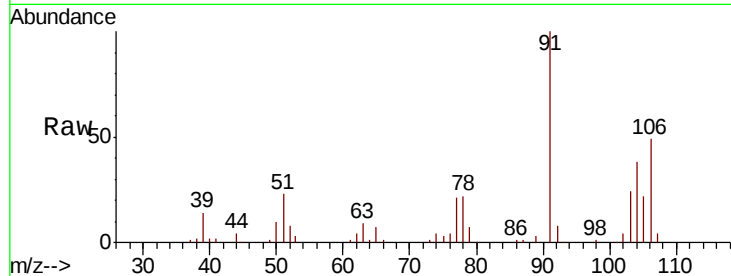




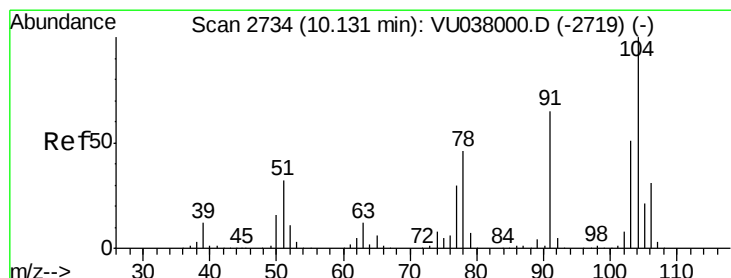
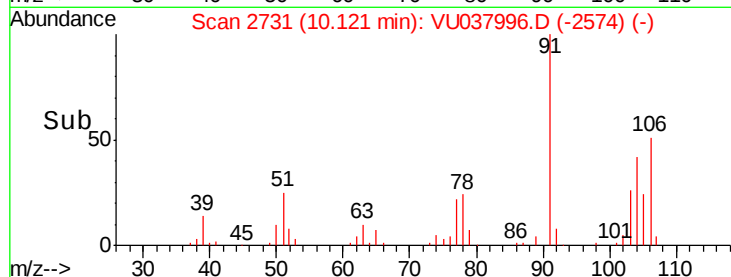
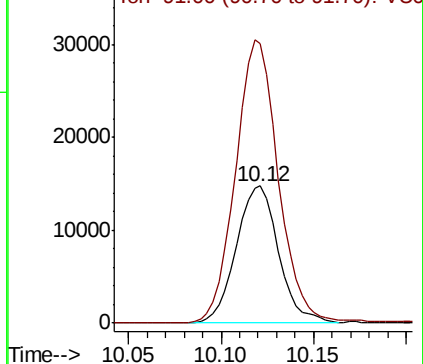
#65
o-Xylene
Concen: 0.514 ug/l
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU037996.D
Acq: 04 May 2020 10:44

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 23398
Ion Ratio Lower Upper
106 100
91 209.7 105.7 317.0

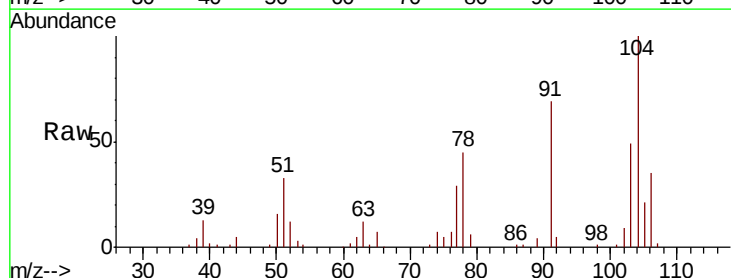


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

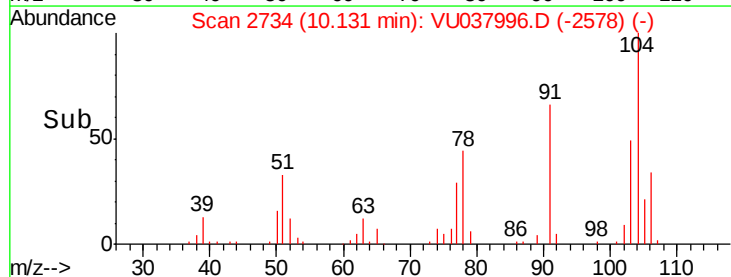
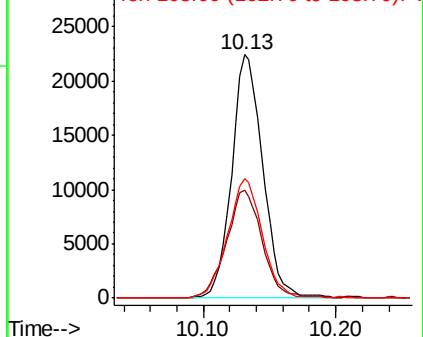


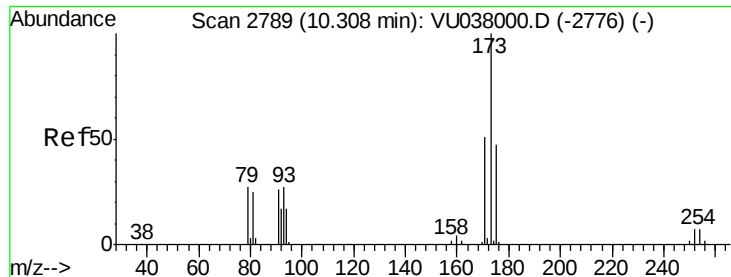
#66
Styrene
Concen: 0.491 ug/l
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU037996.D
Acq: 04 May 2020 10:44

Tgt Ion:104 Resp: 36505
Ion Ratio Lower Upper
104 100
78 50.2 39.9 59.9
103 54.6 43.4 65.2



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: 0.424 ug/l

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

Instrument :

MSVOA_U

ClientSampleId :

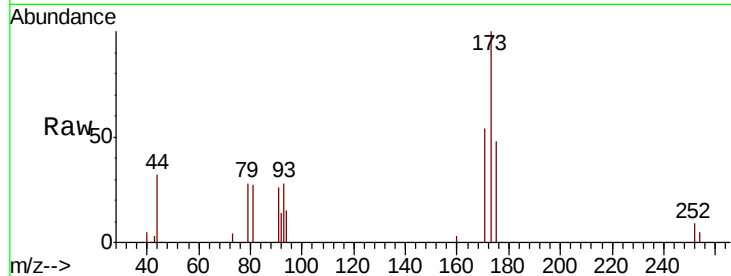
Tot Ion:173 Resp: 5437

Ion Ratio Lower Upper

173 100

175 48.3 37.6 56.4

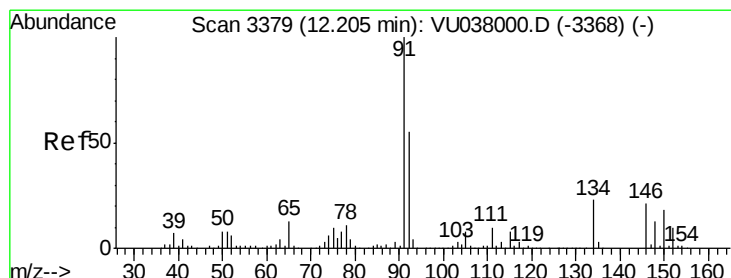
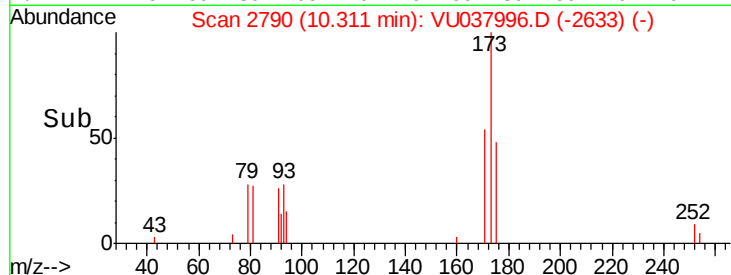
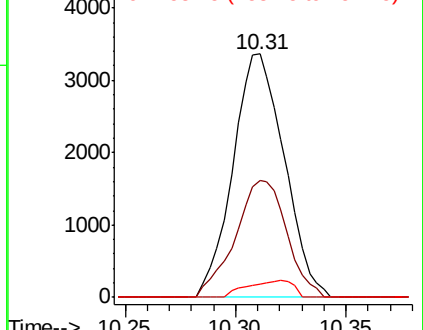
254 6.3 5.5 8.3



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: 0.967 ug/l

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

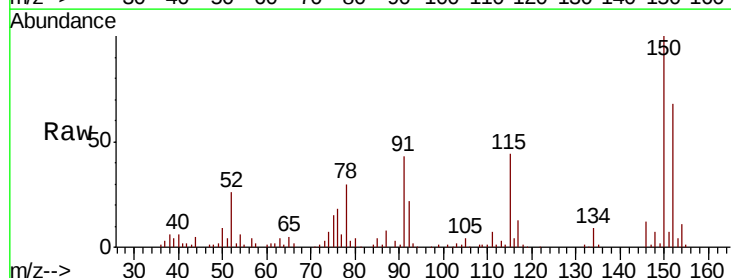
Tgt Ion:152 Resp: 33882

Ion Ratio Lower Upper

152 100

115 70.3 0.0 261.0

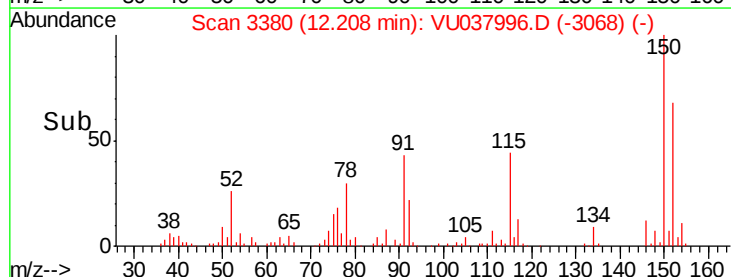
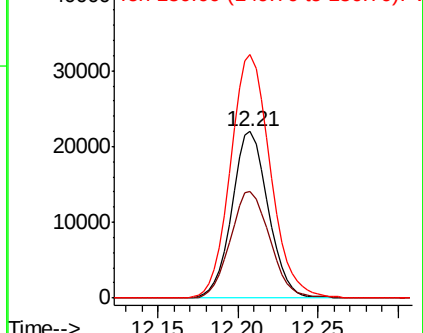
150 160.7 0.0 650.2

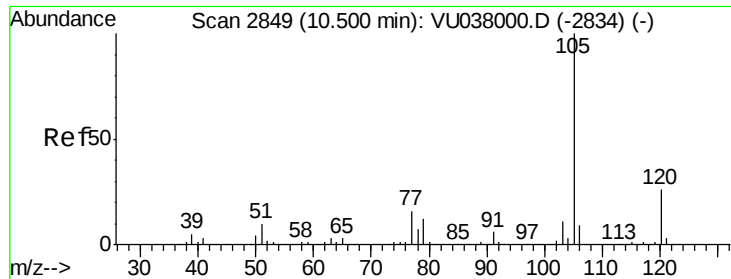


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.483 ug/l

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

Instrument :

MSVOA_U

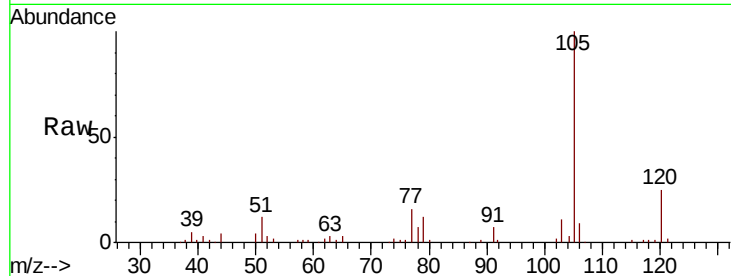
ClientSampleId :

Tot Ion:105 Resp: 59641

Ion Ratio Lower Upper

105 100

120 25.7 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.50

40000

30000

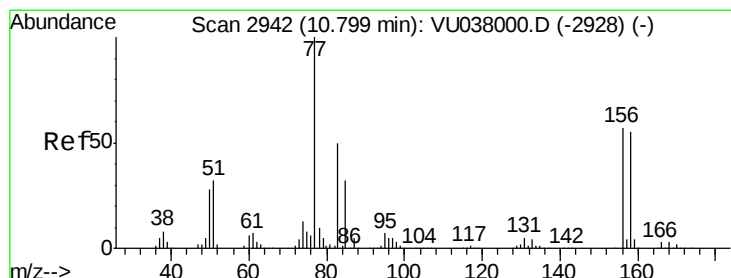
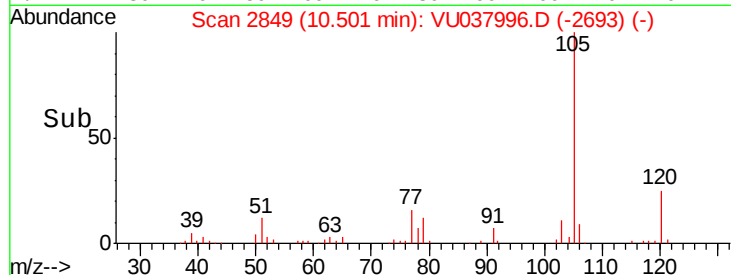
20000

10000

0

Time-->

10.45 10.50 10.55



#70

1,1,2,2-Tetrachloroethane

Concen: 0.475 ug/l

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

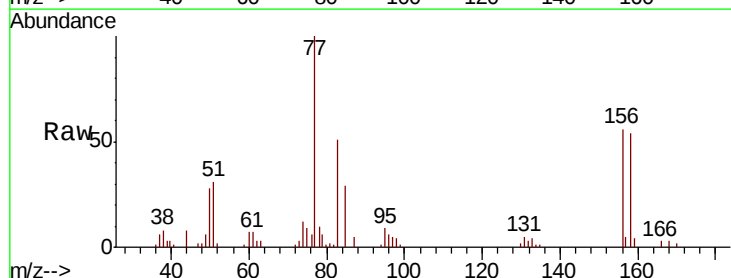
Tgt Ion: 83 Resp: 12507

Ion Ratio Lower Upper

83 100

131 10.4 7.2 10.8

85 59.2 50.0 75.0



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

10000

8000

6000

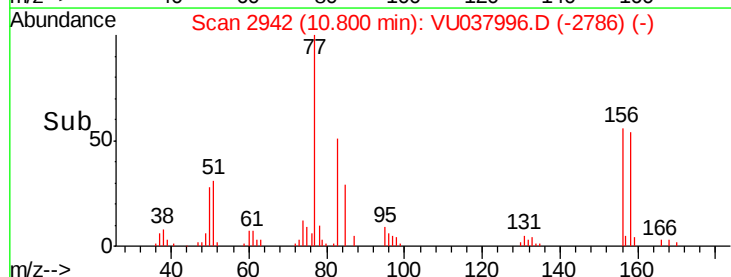
4000

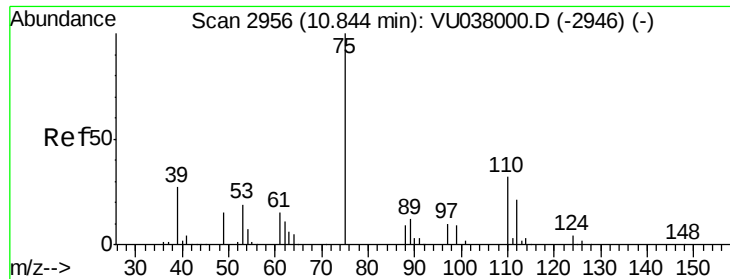
2000

0

Time-->

10.75 10.80 10.85

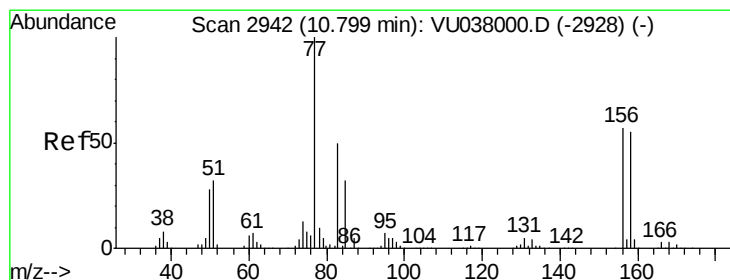
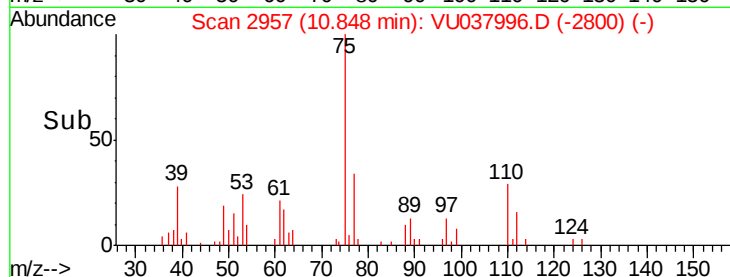
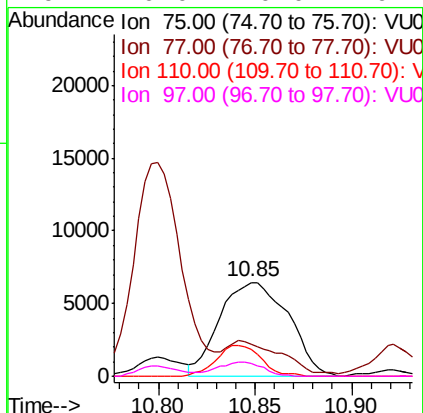
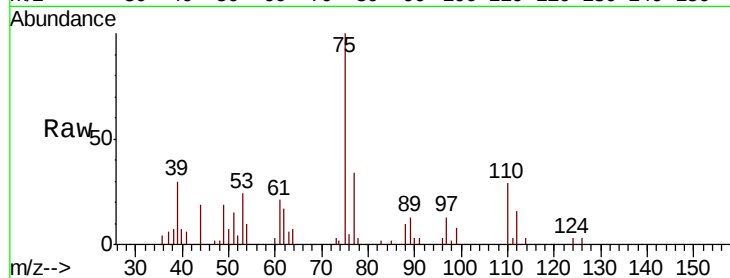




#71
 1,2,3-Trichloropropane
 Concen: 0.771 ug/l
 RT: 10.85 min Scan# 2957
 Delta R.T. 0.00 min
 Lab File: VU037996.D
 Acq: 04 May 2020 10:44

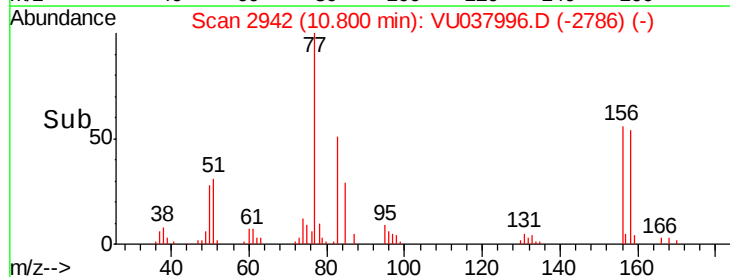
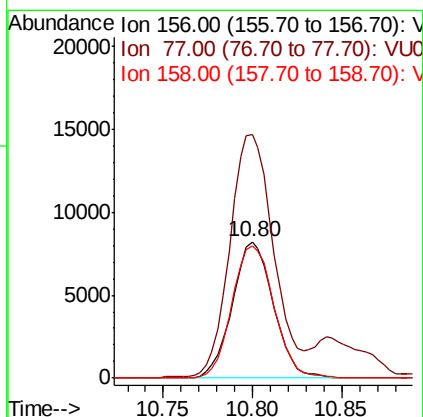
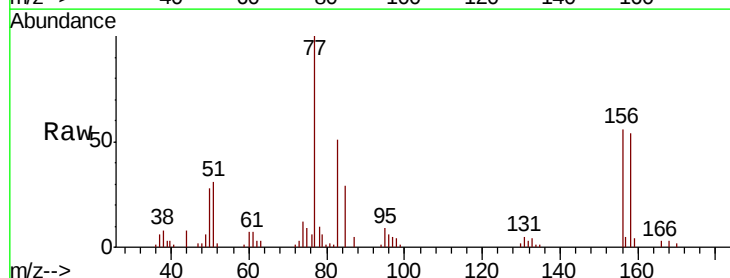
Instrument :
 MSVOA_U
 ClientSampleId :

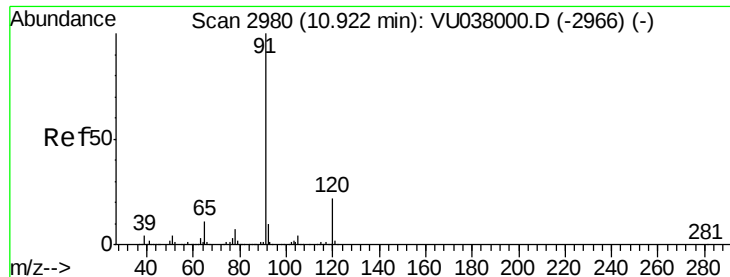
Tot Ion:	75	Resp:	16000
Ion	Ratio	Lower	Upper
75	100		
77	29.0	0.0	108.6
110	21.5	0.0	79.4
97	10.0	0.0	40.4



#72
 Bromobenzene
 Concen: 0.443 ug/l
 RT: 10.80 min Scan# 2942
 Delta R.T. 0.00 min
 Lab File: VU037996.D
 Acq: 04 May 2020 10:44

Tgt Ion:	156	Resp:	13242
Ion	Ratio	Lower	Upper
156	100		
77	187.1	0.0	355.6
158	99.3	0.0	194.0





#73

n-propylbenzene

Concen: 0.479 ug/l

RT: 10.92 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

Instrument :

MSVOA_U

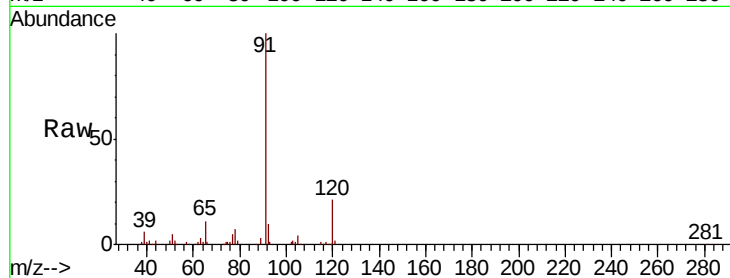
ClientSampleId :

Tot Ion:120 Resp: 15715

Ion Ratio Lower Upper

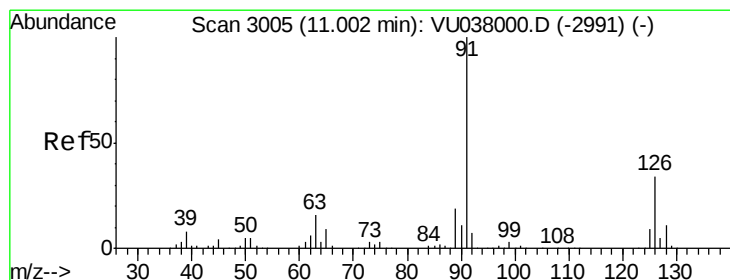
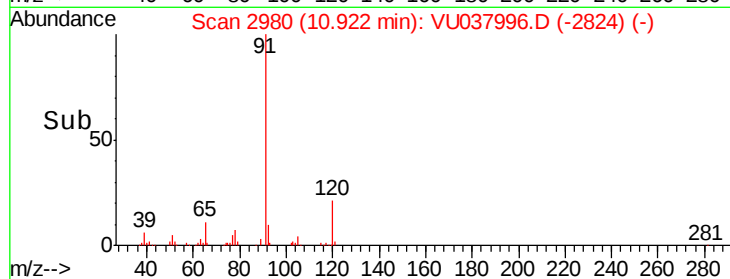
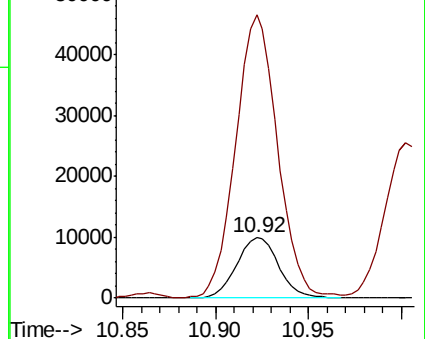
120 100

91 462.5 355.4 533.0



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.463 ug/l

RT: 11.00 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU037996.D

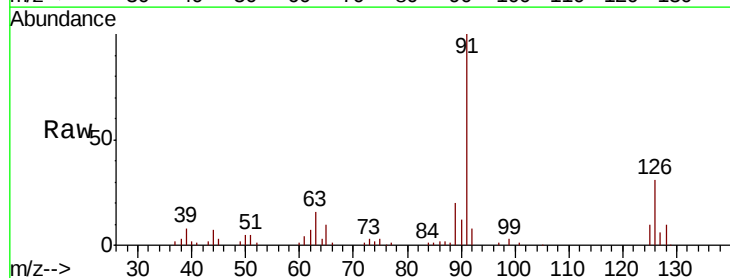
Acq: 04 May 2020 10:44

Tgt Ion:126 Resp: 13607

Ion Ratio Lower Upper

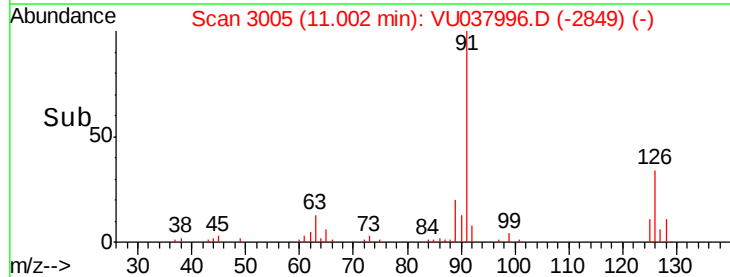
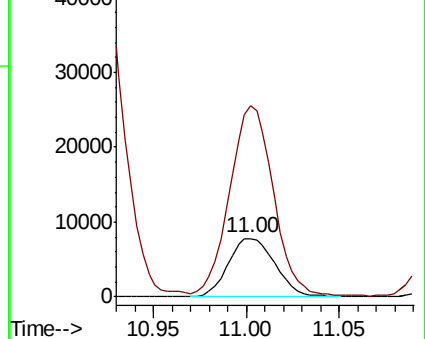
126 100

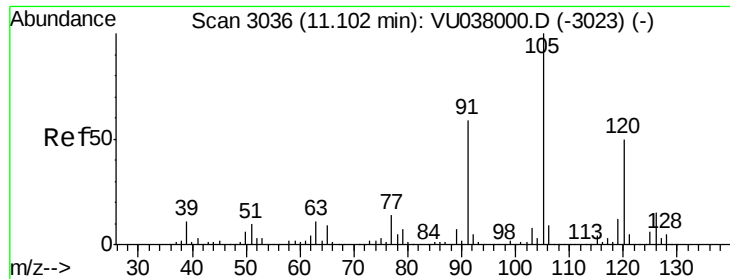
91 305.4 0.0 625.8



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: 0.461 ug/l

RT: 11.11 min Scan# 3037

Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

Instrument :

MSVOA_U

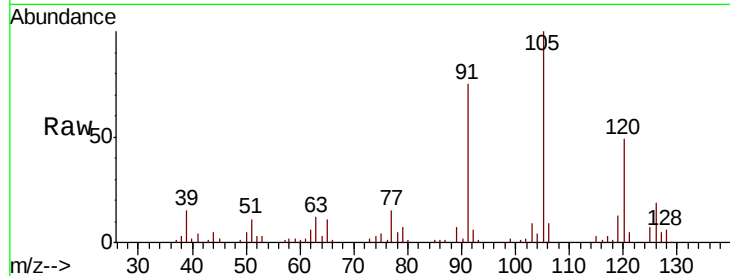
ClientSampled :

Tot Ion:105 Resp: 48748

Ion Ratio Lower Upper

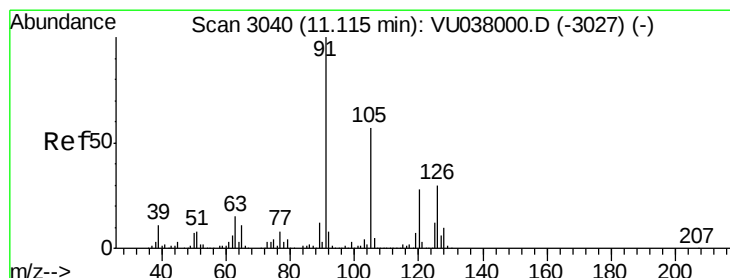
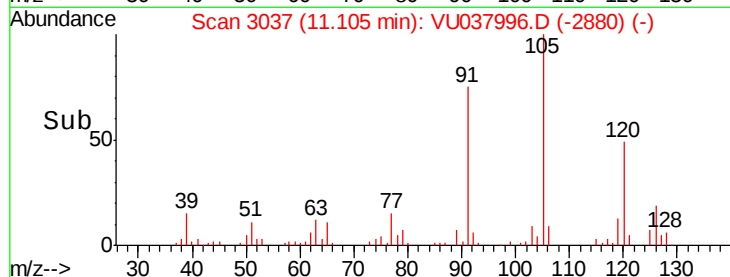
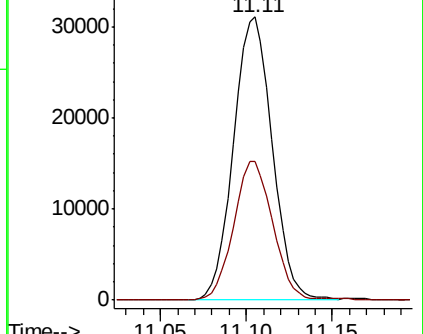
105 100

120 49.7 39.8 59.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.468 ug/l

RT: 11.11 min Scan# 3040

Delta R.T. 0.00 min

Lab File: VU037996.D

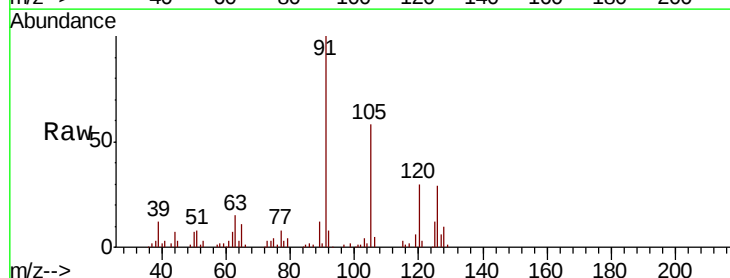
Acq: 04 May 2020 10:44

Tgt Ion:126 Resp: 13890

Ion Ratio Lower Upper

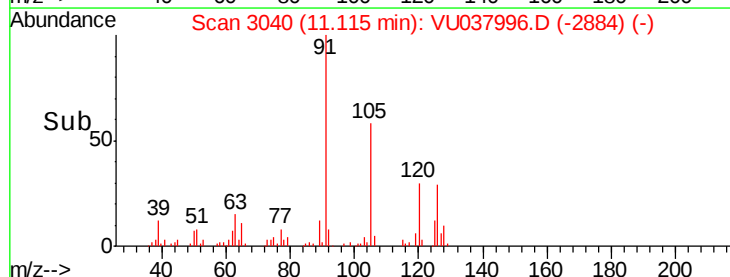
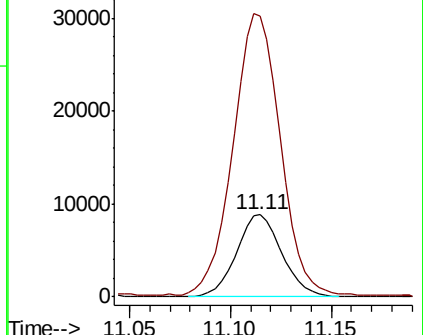
126 100

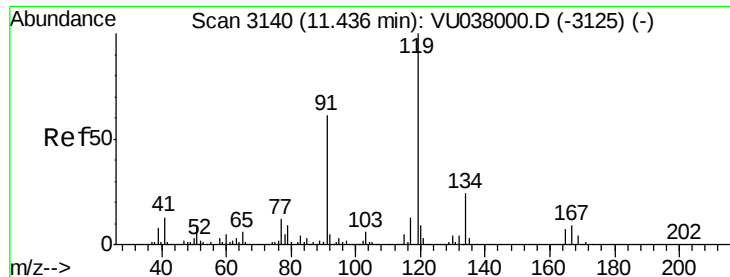
91 358.5 0.0 698.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 0.449 ug/l

RT: 11.44 min Scan# 3140

Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

Instrument :

MSVOA_U

ClientSampled :

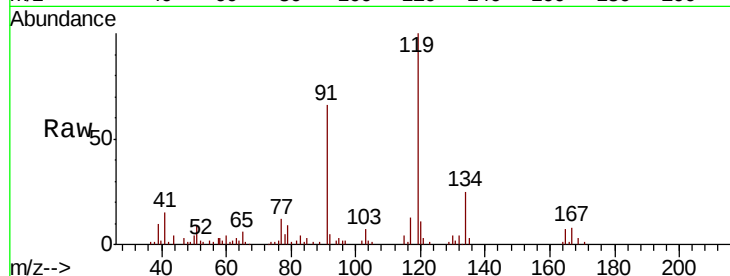
Tot Ion:119 Resp: 46346

Ion Ratio Lower Upper

119 100

91 62.2 30.1 90.5

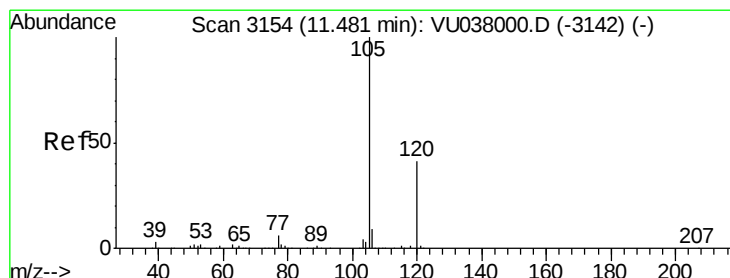
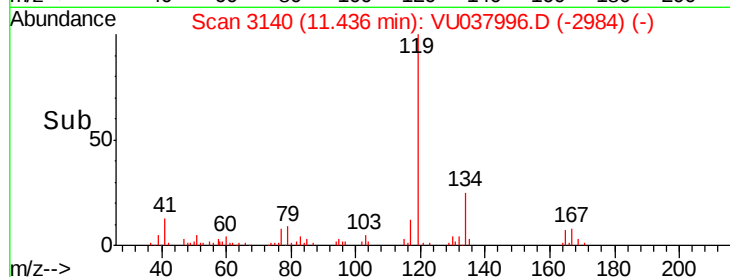
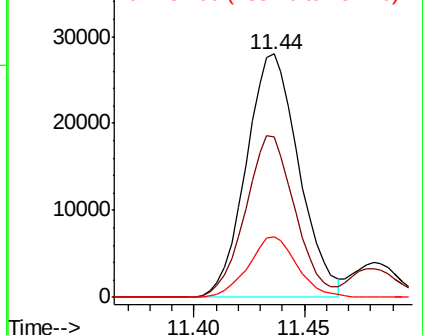
134 22.9 19.0 28.6



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: 0.467 ug/l

RT: 11.48 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VU037996.D

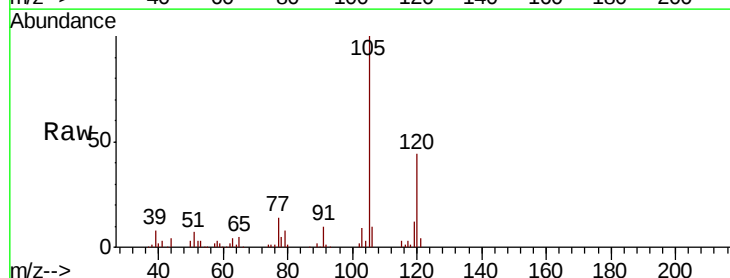
Acq: 04 May 2020 10:44

Tgt Ion:105 Resp: 49750

Ion Ratio Lower Upper

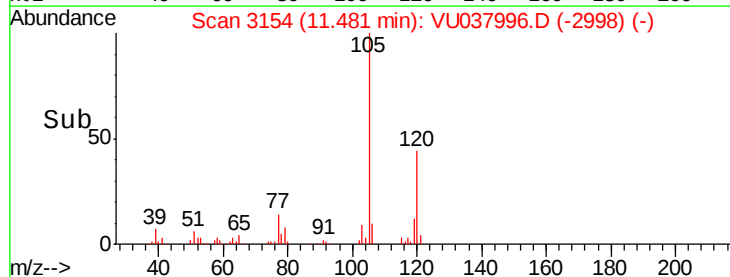
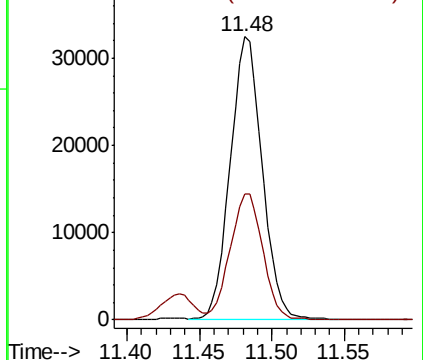
105 100

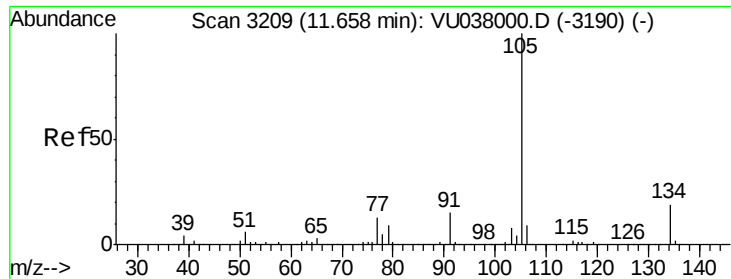
120 45.2 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 0.467 ug/l

RT: 11.66 min Scan# 3209

Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

Instrument :

MSVOA_U

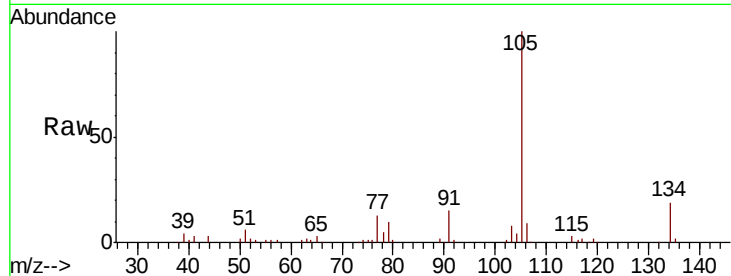
ClientSampleId :

Tot Ion:105 Resp: 66148

Ion Ratio Lower Upper

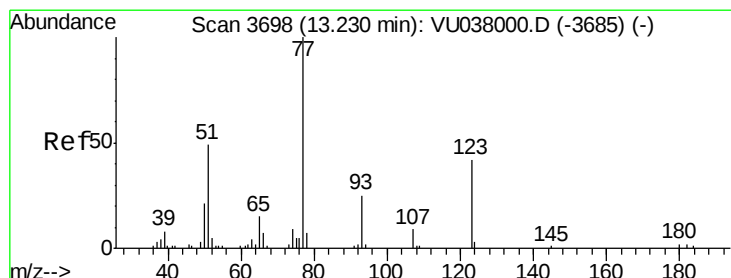
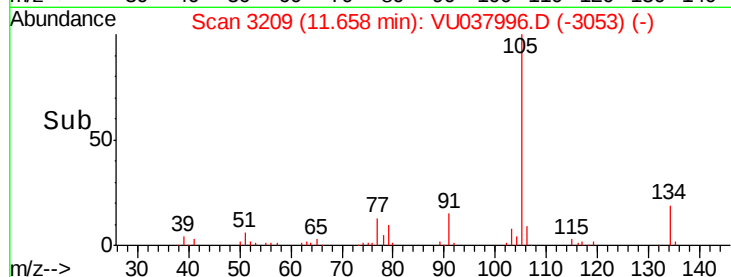
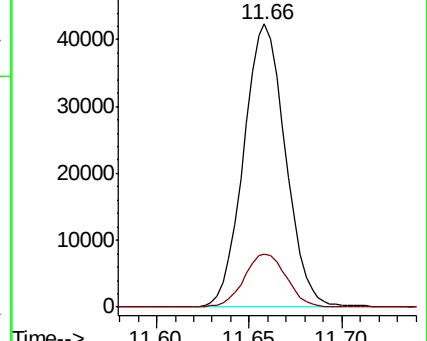
105 100

134 19.0 15.4 23.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 3.402 ug/l

RT: 13.23 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

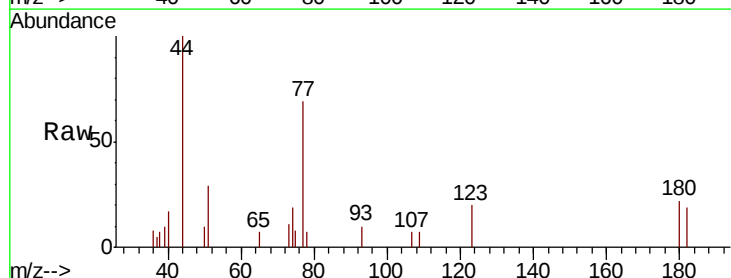
Tgt Ion: 77 Resp: 2042

Ion Ratio Lower Upper

77 100

123 15.7 17.6 62.6#

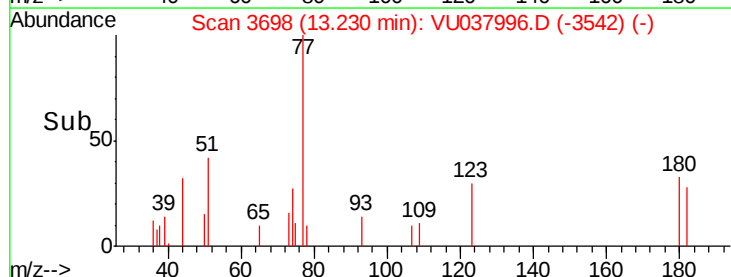
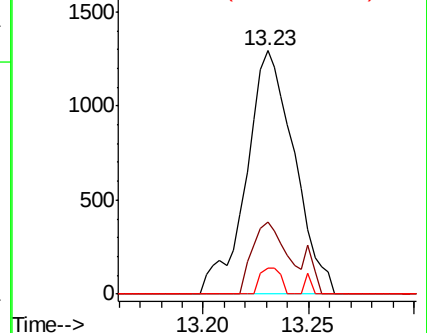
65 4.6 13.2 16.8#

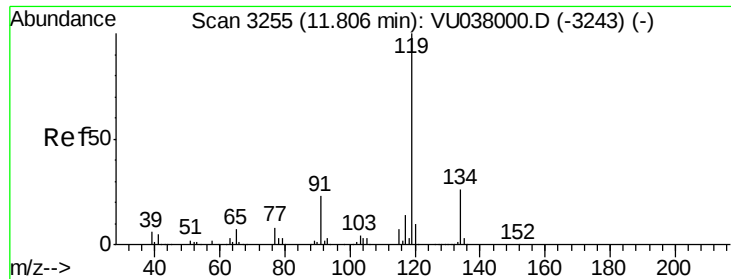


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

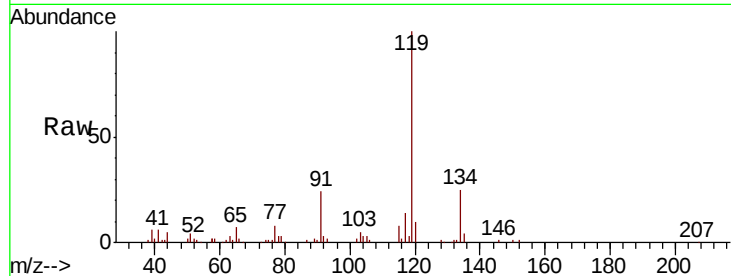




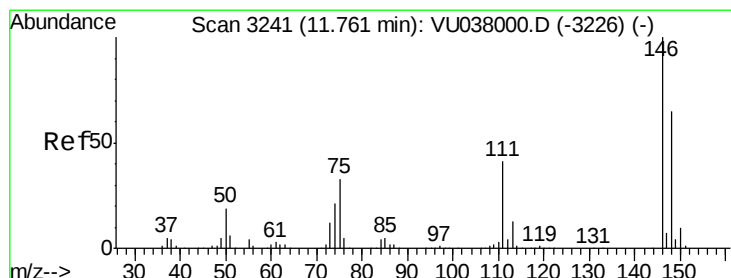
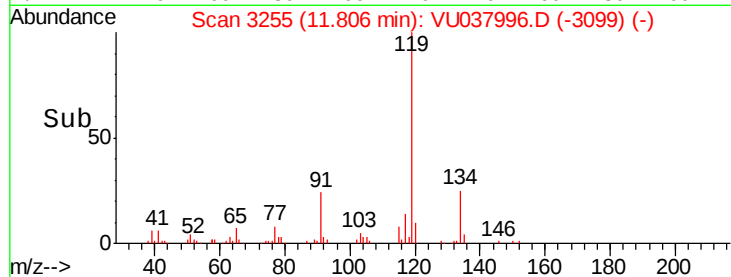
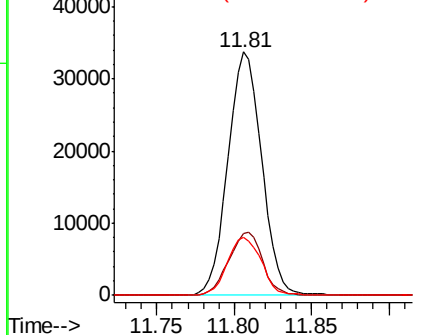
#81
 p-Isopropyltoluene
 Concen: 0.459 ug/l
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.00 min
 Lab File: VU037996.D
 Acq: 04 May 2020 10:44

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	31.0
91	23.9	18.6	28.0

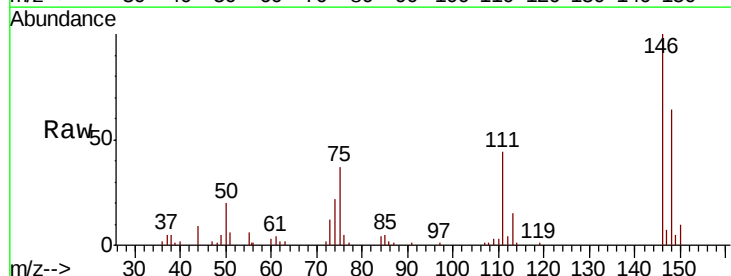


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

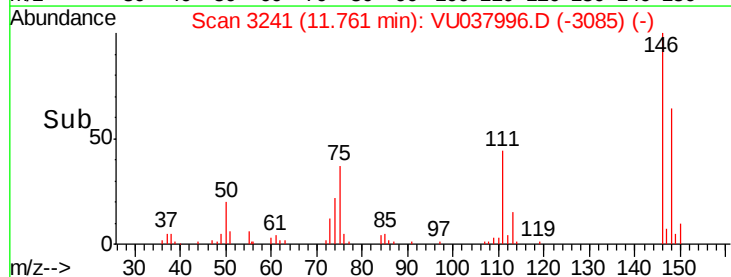
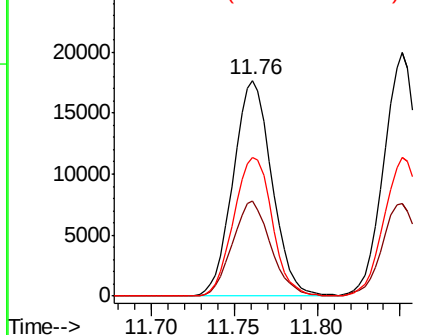


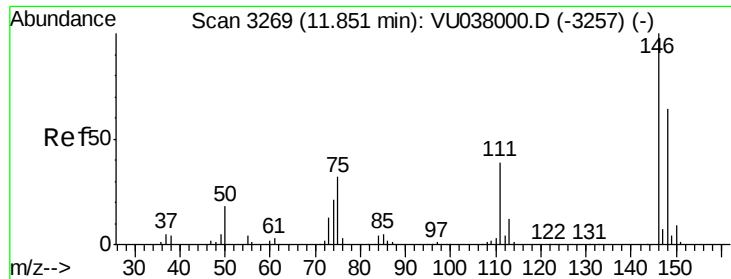
#82
 1,3-Dichlorobenzene
 Concen: 0.485 ug/l
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037996.D
 Acq: 04 May 2020 10:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	33.0	49.4
148	63.7	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

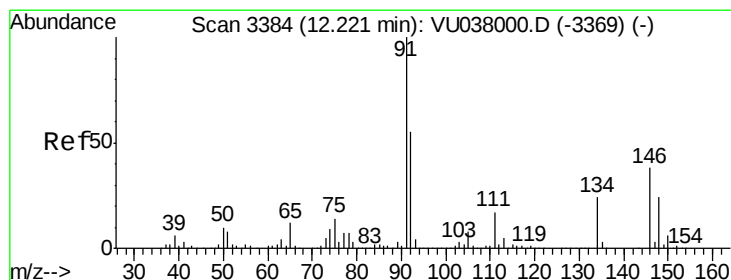
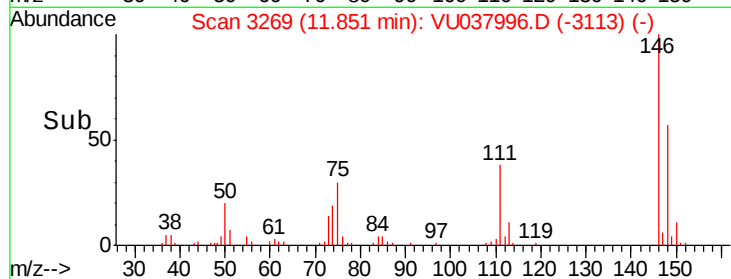
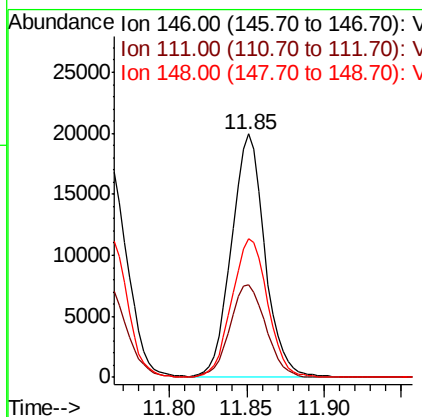
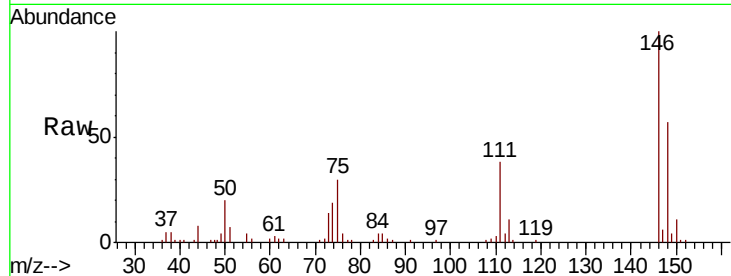




#83
 1,4-Dichlorobenzene
 Concen: 0.500 ug/l
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037996.D
 Acq: 04 May 2020 10:44

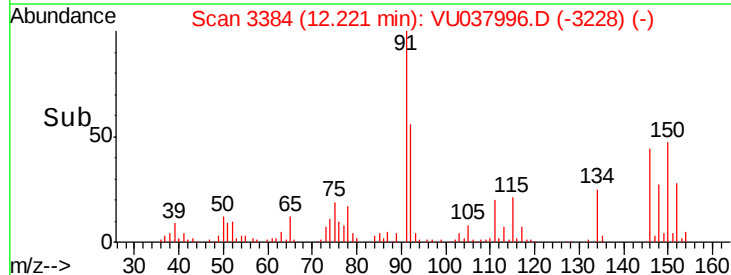
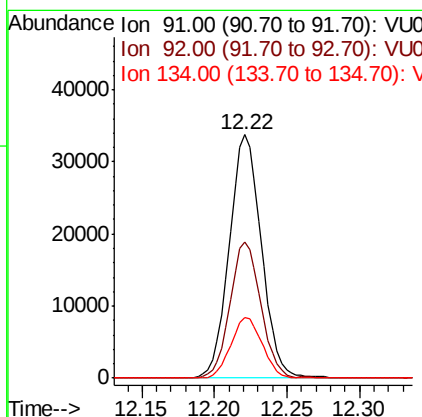
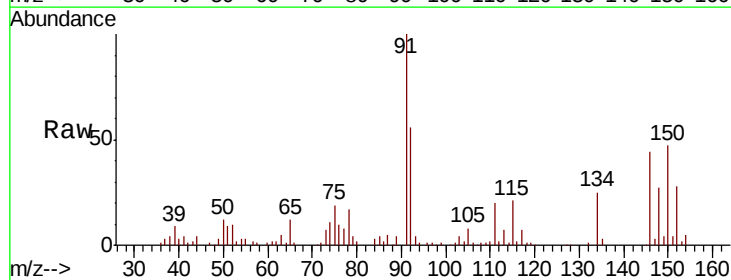
Instrument :
 MSVOA_U
 ClientSampled :

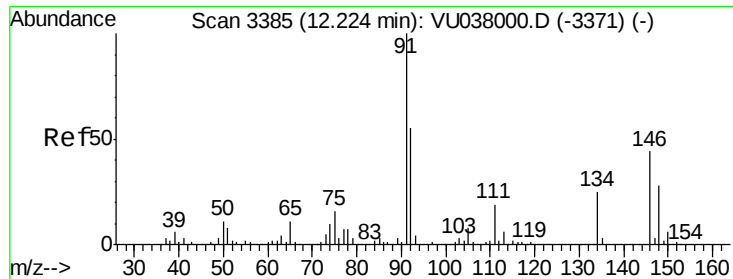
Tot Ion:146 Resp: 29872
 Ion Ratio Lower Upper
 146 100
 111 40.6 31.8 47.6
 148 61.1 51.2 76.8



#84
 n-Butylbenzene
 Concen: 0.486 ug/l
 RT: 12.22 min Scan# 3384
 Delta R.T. 0.00 min
 Lab File: VU037996.D
 Acq: 04 May 2020 10:44

Tgt Ion: 91 Resp: 51769
 Ion Ratio Lower Upper
 91 100
 92 53.5 43.8 65.6
 134 24.2 19.4 29.2

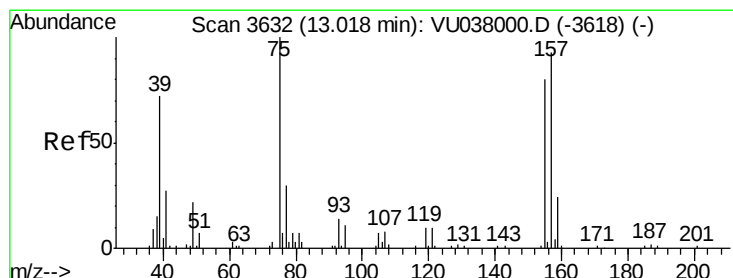
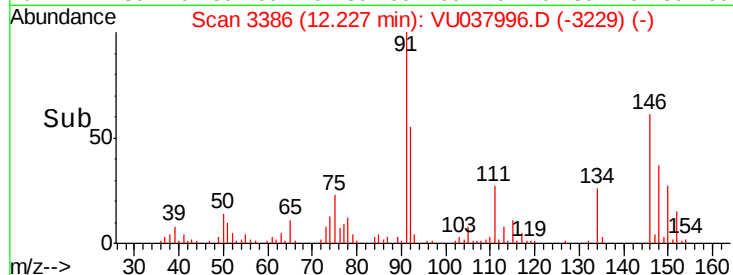
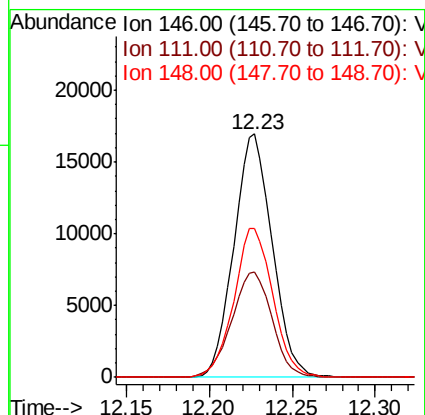
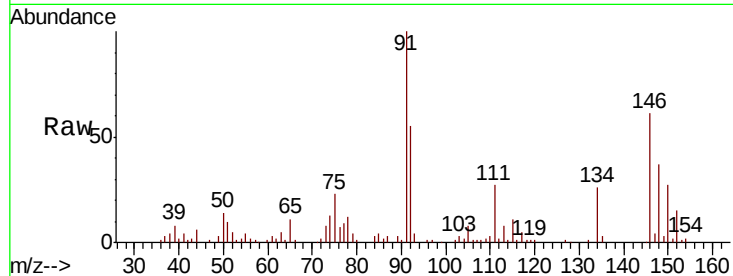




#85
 1,2-Dichlorobenzene
 Concen: 0.477 ug/l
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU037996.D
 Acq: 04 May 2020 10:44

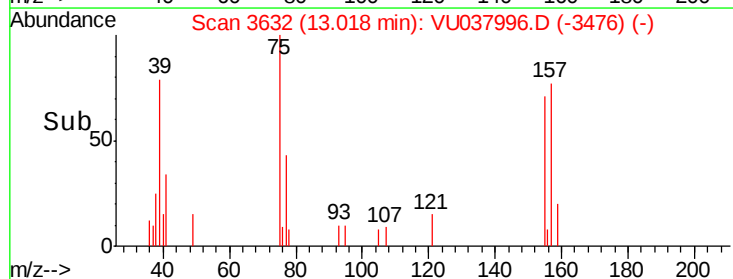
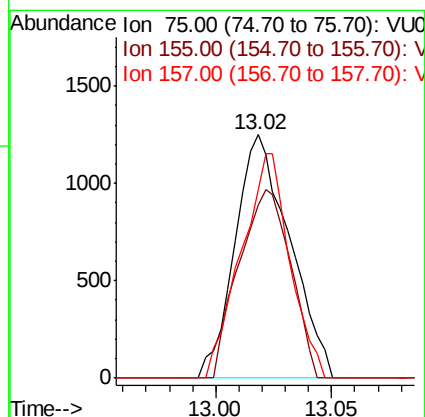
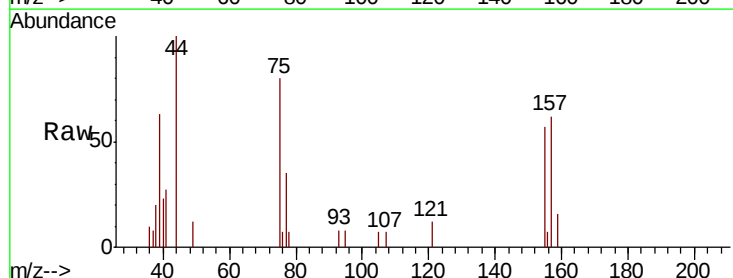
Instrument :
 MSVOA_U
 ClientSampleId :

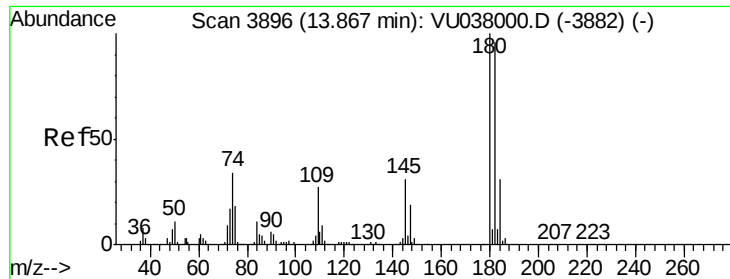
Tot Ion:146 Resp: 27200
 Ion Ratio Lower Upper
 146 100
 111 45.4 21.9 65.8
 148 62.2 31.8 95.4



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.454 ug/l
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU037996.D
 Acq: 04 May 2020 10:44

Tgt Ion: 75 Resp: 2042
 Ion Ratio Lower Upper
 75 100
 155 73.5 60.9 91.3
 157 82.2 78.1 117.1





#87

1,2,4-Trichlorobenzene

Concen: 0.668 ug/l

RT: 13.87 min Scan# 3897

Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

Instrument :

MSVOA_U

ClientSampleId :

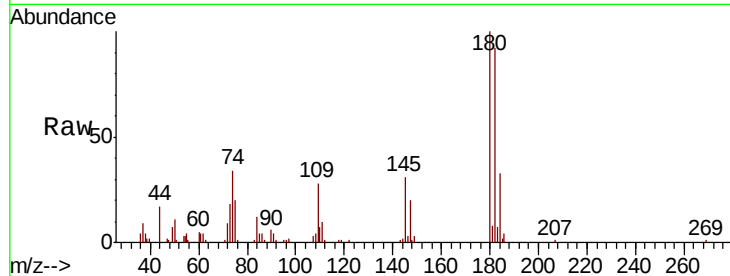
Tot Ion:180 Resp: 20027

Ion Ratio Lower Upper

180 100

182 95.6 76.9 115.3

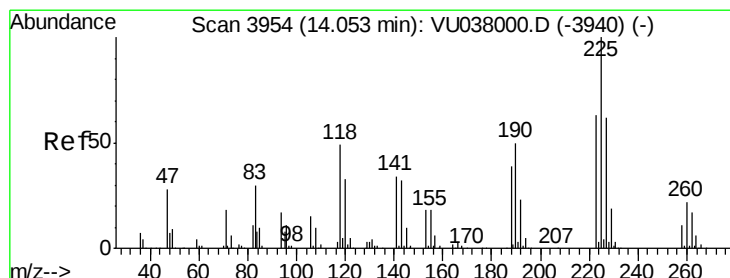
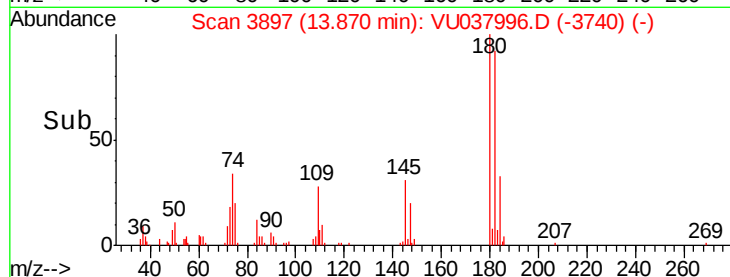
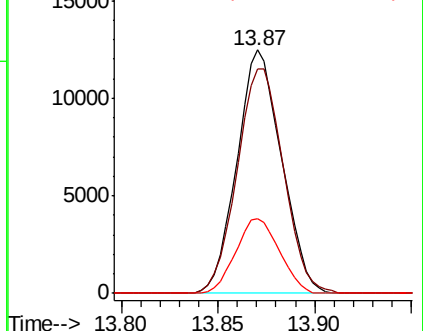
145 30.0 24.7 37.1



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: 0.479 ug/l

RT: 14.06 min Scan# 3955

Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

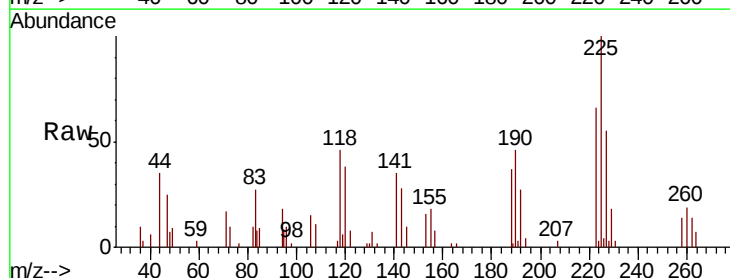
Tgt Ion:225 Resp: 8570

Ion Ratio Lower Upper

225 100

223 70.2 51.3 76.9

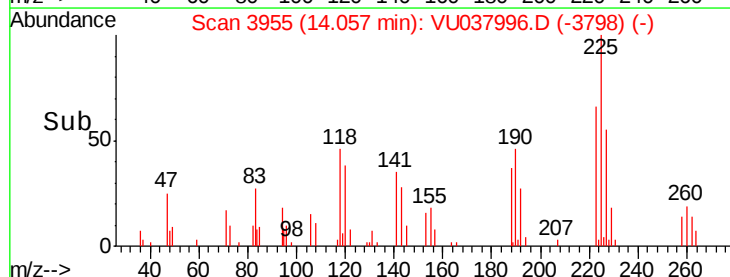
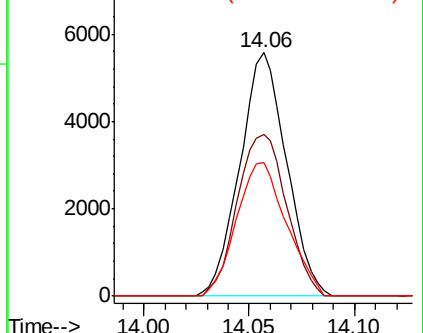
227 58.6 49.2 73.8

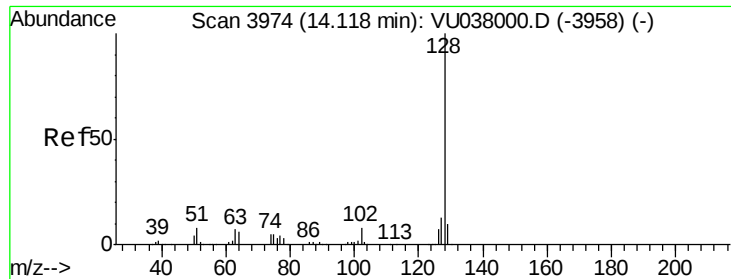


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 0.735 ug/l

RT: 14.12 min Scan# 3975

Delta R.T. 0.00 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

Instrument :

MSVOA_U

ClientSampleId :

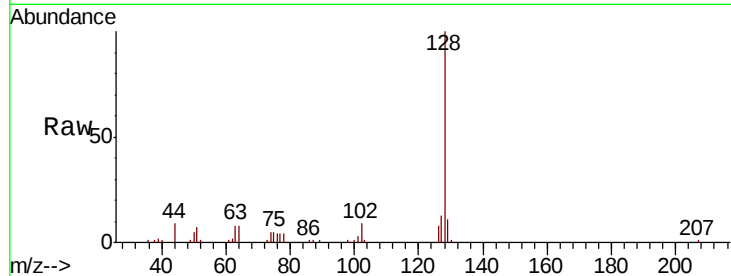
Tot Ion:128 Resp: 38202

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

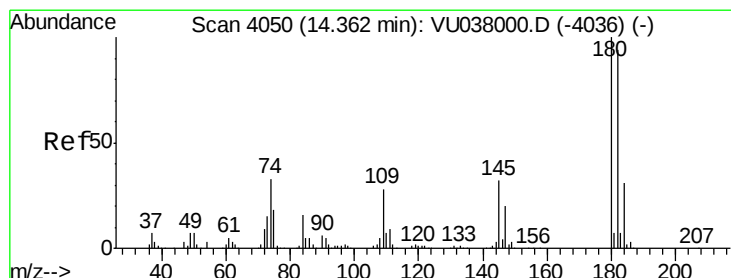
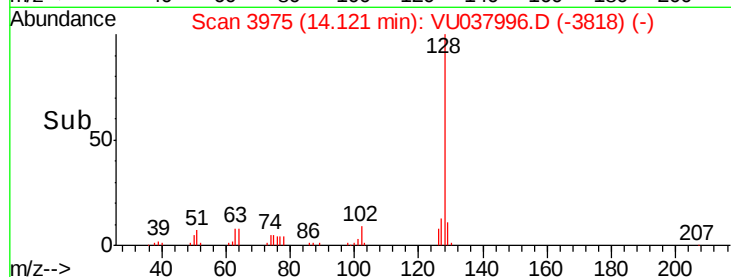
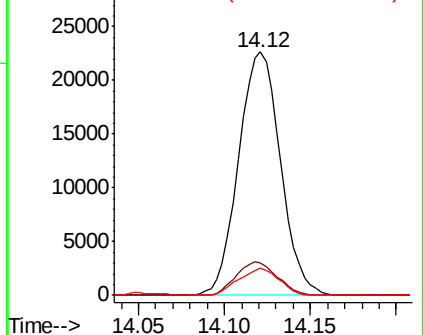
129 10.6 8.6 12.8



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: 0.627 ug/l

RT: 14.37 min Scan# 4052

Delta R.T. 0.01 min

Lab File: VU037996.D

Acq: 04 May 2020 10:44

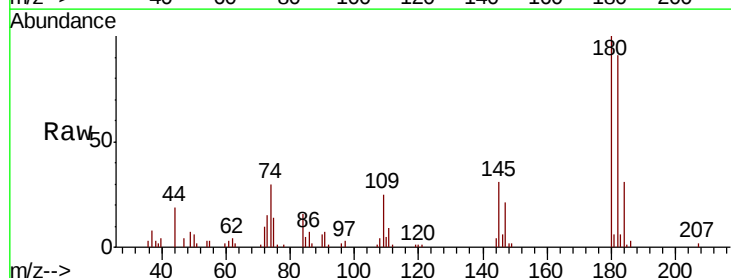
Tgt Ion:180 Resp: 18099

Ion Ratio Lower Upper

180 100

182 88.5 75.9 113.9

145 29.9 26.0 39.0



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

