

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102318\
 Data File : VU027746.D
 Acq On : 22 Oct 2018 17:32
 Operator : MD/SY
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Quant Time: Oct 23 04:04:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0102318DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 23 04:01:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.75	96	13611	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	5198	0.99	ug/l	0.00
Spiked Amount	1.000		Recovery	=	99.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	4671	0.96	ug/l	0.00
Spiked Amount	1.000		Recovery	=	96.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	2593	0.452	ug/l 99
3) Chloromethane	1.33	50	3015	0.489	ug/l 96
4) Vinyl Chloride	1.40	62	2813	0.488	ug/l 94
5) Bromomethane	1.63	94	1537	0.556	ug/l 87
7) Trichlorofluoromethane	1.89	101	3263	0.482	ug/l 95
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	1765	0.471	ug/l # 89
9) 1,1-Dichloroethene	2.29	96	1451	0.434	ug/l 81
10) Iodomethane	2.41	142	1468	0.326	ug/l 89
11) Allyl Chloride	2.59	41	4029	0.514	ug/l 87
12) Acrylonitrile	2.96	53	997	0.938	ug/l # 82
13) Acetone	2.35	43	2971	2.694	ug/l 97
14) Carbon Disulfide	2.48	76	5844	0.482	ug/l # 95
15) Methylene Chloride	2.70	84	2478	0.607	ug/l 96
16) trans-1,2-Dichloroethene	2.98	96	1648	0.440	ug/l 92
17) 1,1-Dichloroethane	3.45	63	3801	0.486	ug/l # 94
18) 2-Butanone	4.30	43	1400	0.973	ug/l 79
19) Cyclohexane	5.00	56	3484	0.487	ug/l 91
20) Methylcyclohexane	6.41	83	3270	0.467	ug/l 94
21) 2,2-Dichloropropane	4.23	77	3571	0.515	ug/l # 67
22) cis-1,2-Dichloroethene	4.23	96	2010	0.472	ug/l 96
23) Diethyl Ether	2.11	59	1493	0.474	ug/l 89
24) tert-Butyl Alcohol	2.87	59	562	1.863	ug/l # 1
25) Methyl tert-Butyl Ether	3.01	73	4837	0.457	ug/l 96
26) Bromochloromethane	4.55	128	794	0.461	ug/l 96
27) Chloroform	4.68	83	3566	0.462	ug/l 91
28) 1,1,1-Trichloroethane	4.92	97	3234	0.485	ug/l 95
29) 1,1-Dichloropropene	5.14	75	2726	0.464	ug/l 97
30) Carbon Tetrachloride	5.13	117	2909	0.490	ug/l 94
31) Isopropyl Ether	3.58	45	6649	0.452	ug/l 90
32) Ethyl-t-butyl ether	4.08	59	5964	0.460	ug/l 98
33) Tert-Amyl methyl ether	5.59	73	4948	0.454	ug/l # 97
34) Propionitrile	4.37	54	417	1.079	ug/l # 1
35) Benzene	5.39	78	7564	0.458	ug/l 99
36) 1,2-Dichloroethane	5.41	62	2523	0.479	ug/l # 79
37) Trichloroethene	6.19	130	2044	0.503	ug/l 94
38) 1,2-Dichloropropane	6.44	63	2077	0.446	ug/l 100
39) Methacrylonitrile	4.57	41	886	0.465	ug/l # 66
40) Methyl acrylate	4.44	55	1128	0.437	ug/l # 76
41) Tetrahydrofuran	4.66	42	471	0.460	ug/l # 57
42) 1-Chlorobutane	5.07	56	4202	0.457	ug/l 95
43) Dibromomethane	6.57	93	909	0.438	ug/l 97

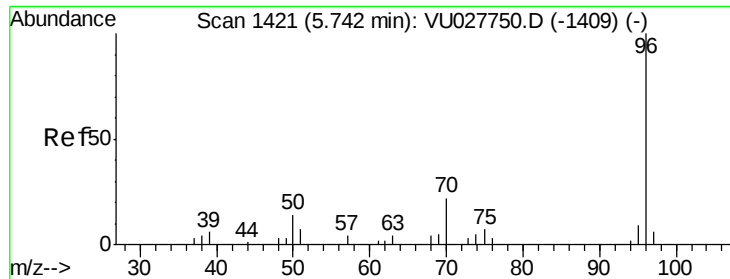
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U0102318\
 Data File : VU027746.D
 Acq On : 22 Oct 2018 17:32
 Operator : MD/SY
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Quant Time: Oct 23 04:04:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0102318DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 23 04:01:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Bromodichloromethane	6.76	83	2657	0.477	ug/l	86
45) 4-Methyl-2-Pentanone	7.47	43	7894	2.248	ug/l	99
46) t-1,4-Dichloro-2-butene	10.50	75	986	0.759	ug/l	91
47) Methyl methacrylate	6.64	69	1906	0.831	ug/l	92
48) Ethyl methacrylate	8.03	69	2049	0.417	ug/l	80
49) Toluene	7.64	92	4471	0.447	ug/l	98
50) t-1,3-Dichloropropene	7.89	75	2701	0.477	ug/l	92
51) cis-1,3-Dichloropropene	7.27	75	2960	0.441	ug/l	94
52) 1,1,2-Trichloroethane	8.07	97	1227	0.418	ug/l #	89
53) 1,3-Dichloropropane	8.25	76	2538	0.468	ug/l	94
54) 2-Hexanone	8.37	43	5550	2.145	ug/l	98
55) Dibromochloromethane	8.48	129	1617	0.453	ug/l	89
56) 1,2-Dibromoethane	8.59	107	1281	0.462	ug/l	93
58) Tetrachloroethene	8.23	164	1779	0.483	ug/l	97
59) Chlorobenzene	9.12	112	4788	0.457	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.21	131	1829	0.482	ug/l	91
61) Pentachloroethane	11.10	117	1091	0.371	ug/l	98
62) Hexachloroethane	12.15	117	1317	0.416	ug/l	95
63) Ethyl Benzene	9.25	91	8976	0.464	ug/l	96
64) m/p-Xylenes	9.37	106	6329	0.894	ug/l	94
65) o-Xylene	9.78	106	3314	0.469	ug/l	95
66) Styrene	9.79	104	4984	0.426	ug/l	95
67) Bromoform	9.96	173	913	0.441	ug/l #	88
69) Isopropylbenzene	10.17	105	8679	0.459	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	1700	0.446	ug/l #	92
71) 1,2,3-Trichloropropane	10.50	75	986	0.333	ug/l #	89
72) Bromobenzene	10.46	156	1788	0.423	ug/l	87
73) n-propylbenzene	10.59	120	2170	0.448	ug/l	95
74) 2-Chlorotoluene	10.66	126	1948	0.450	ug/l	92
75) 1,3,5-Trimethylbenzene	10.77	105	7196	0.456	ug/l	97
76) 4-Chlorotoluene	10.77	126	1815	0.435	ug/l	87
77) tert-Butylbenzene	11.10	119	7115	0.455	ug/l	100
78) 1,2,4-Trimethylbenzene	11.15	105	7304	0.449	ug/l	96
79) sec-Butylbenzene	11.32	105	9535	0.476	ug/l	99
80) Nitrobenzene	12.87	77	40	0.226	ug/l #	44
81) p-Isopropyltoluene	11.48	119	7498	0.459	ug/l	97
82) 1,3-Dichlorobenzene	11.42	146	3721	0.458	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	3898	0.486	ug/l	99
84) n-Butylbenzene	11.89	91	6774	0.440	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	3664	0.473	ug/l	96
86) 1,2-Dibromo-3-Chloropropan	12.66	75	322	0.478	ug/l #	71
87) 1,2,4-Trichlorobenzene	13.51	180	2292	0.403	ug/l	98
88) Hexachlorobutadiene	13.69	225	1539	0.455	ug/l	96
89) Naphthalene	13.75	128	4653	0.414	ug/l #	94
90) 1,2,3-Trichlorobenzene	13.99	180	2390	0.455	ug/l	96

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.75 min Scan# 1422

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 96 Resp: 13611

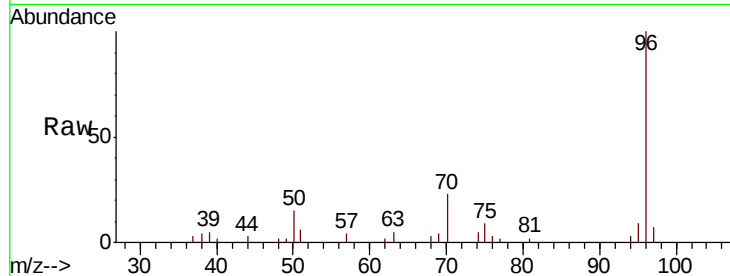
Ion Ratio Lower Upper

96 100

70 21.8 17.7 26.5

95 8.3 7.0 10.6

97 6.7 0.0 0.0#

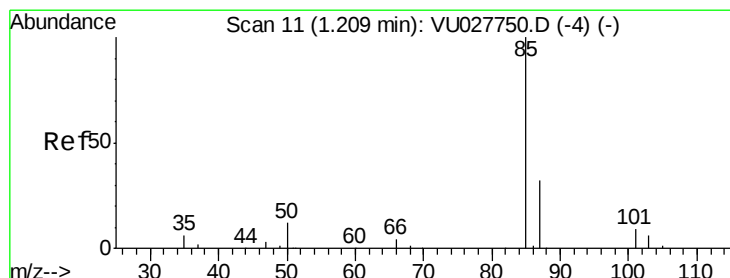
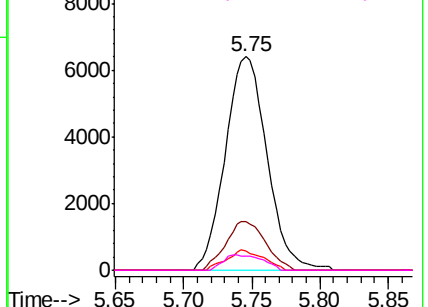
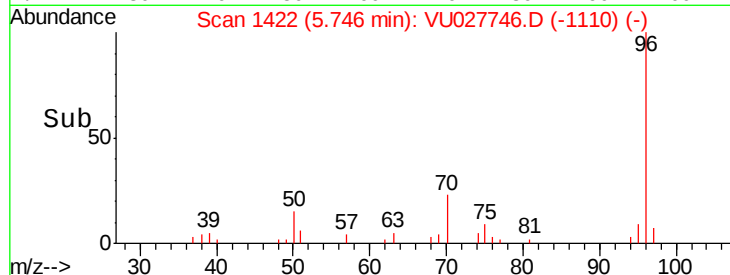


Abundance Ion 96.00 (95.70 to 96.70): VU027750.D (-1409) (-)

Ion 70.00 (69.70 to 70.70): VU027750.D (-1409) (-)

Ion 95.00 (94.70 to 95.70): VU027750.D (-1409) (-)

Ion 97.00 (96.70 to 97.70): VU027750.D (-1409) (-)



#2

Dichlorodifluoromethane

Concen: 0.452 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027746.D

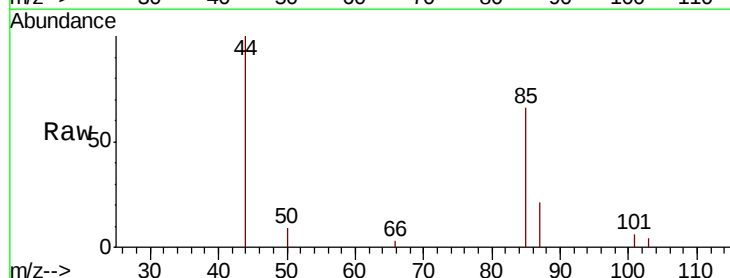
Acq: 22 Oct 2018 17:32

Tgt Ion: 85 Resp: 2593

Ion Ratio Lower Upper

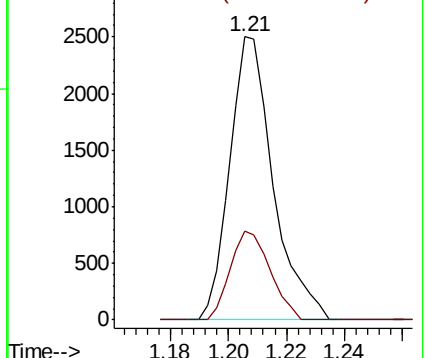
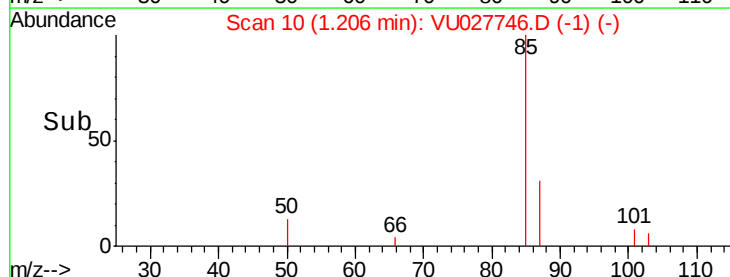
85 100

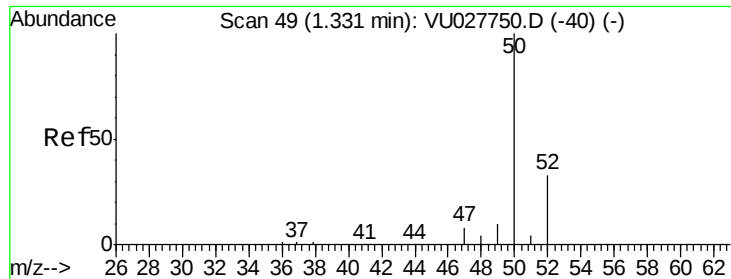
87 31.3 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VU027750.D (-4) (-)

Ion 87.00 (86.70 to 87.70): VU027750.D (-4) (-)





#3

Chloromethane

Concen: 0.489 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

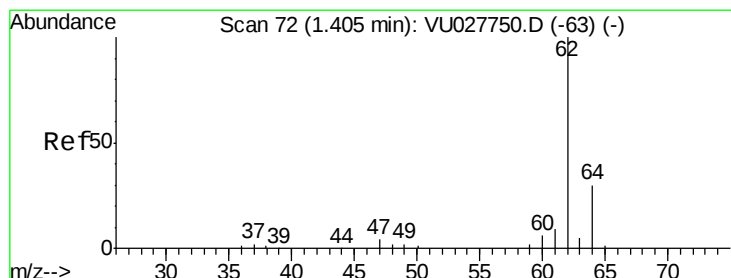
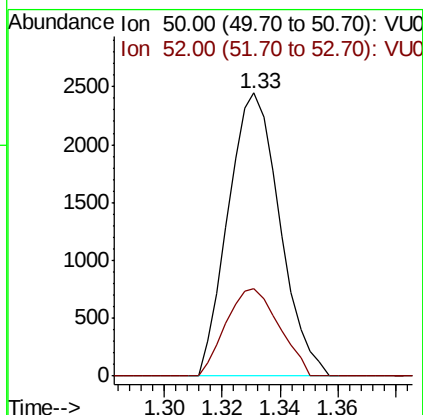
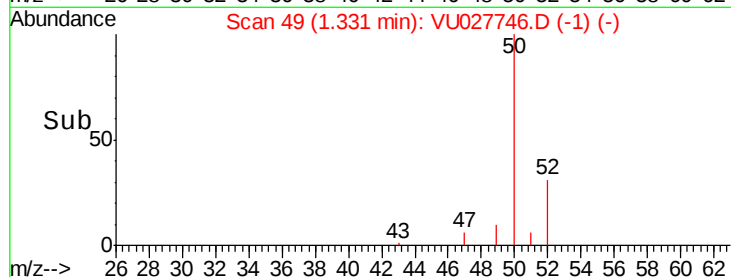
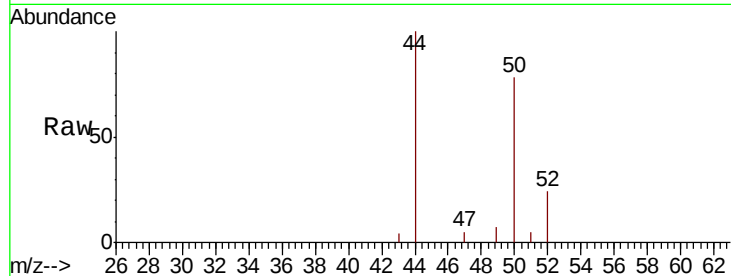
VSTDIC0.5

Tgt Ion: 50 Resp: 3015

Ion Ratio Lower Upper

50 100

52 31.2 26.6 40.0



#4

Vinyl Chloride

Concen: 0.488 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027746.D

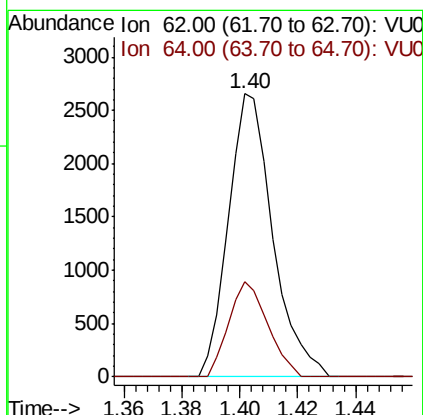
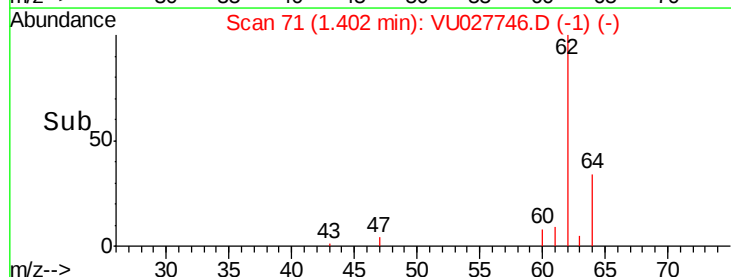
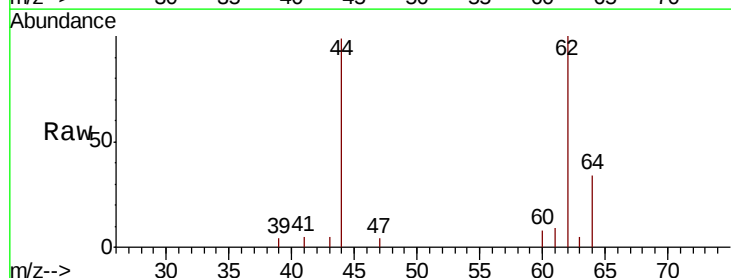
Acq: 22 Oct 2018 17:32

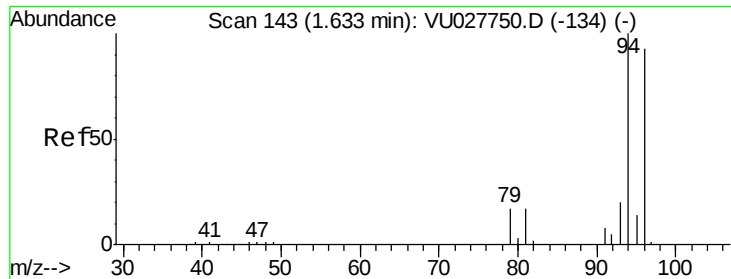
Tgt Ion: 62 Resp: 2813

Ion Ratio Lower Upper

62 100

64 33.5 24.3 36.5

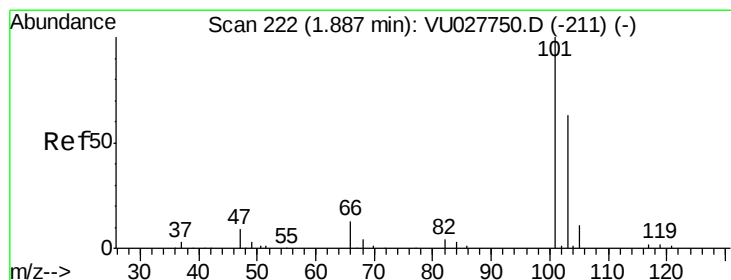
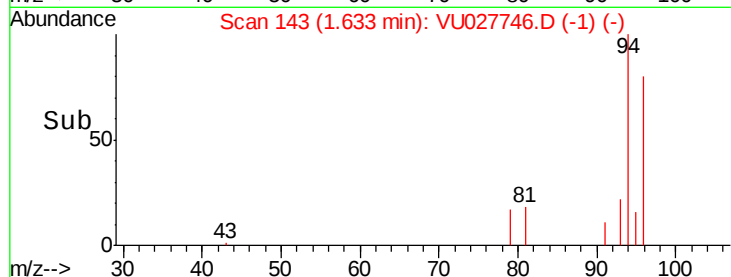
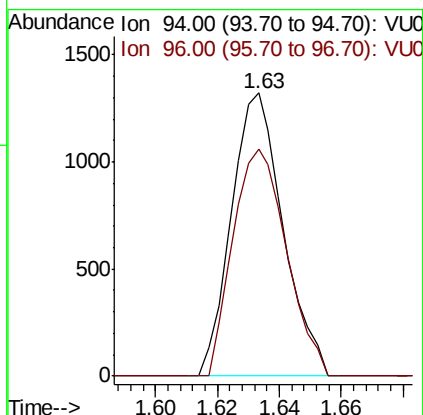
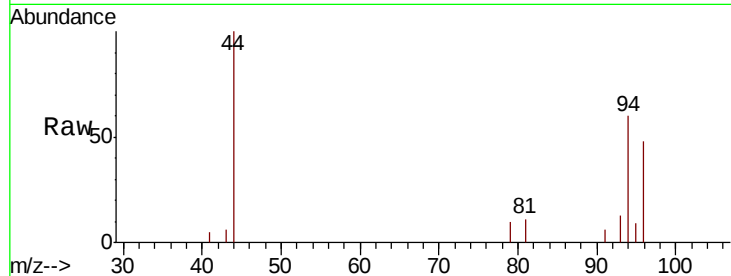




#5
Bromomethane
Concen: 0.556 ug/l
RT: 1.63 min Scan# 143
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

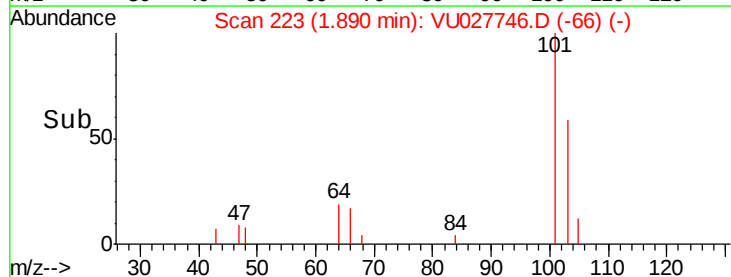
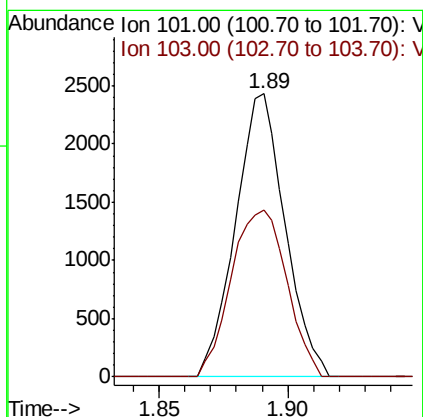
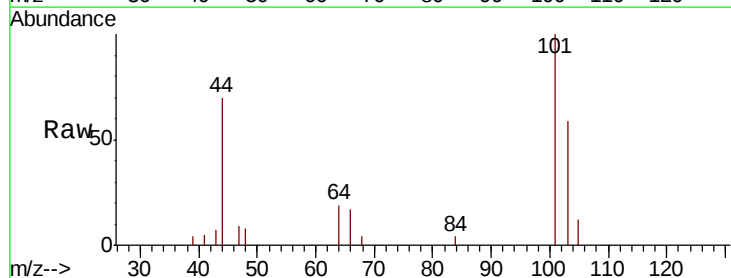
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

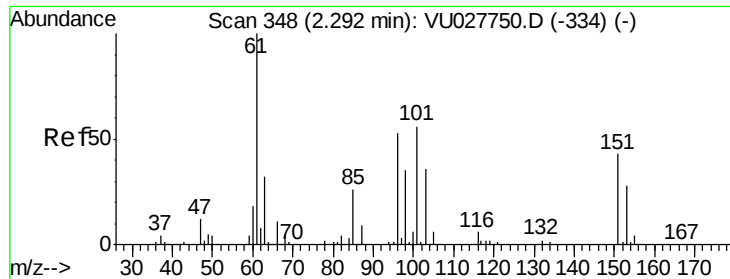
Tgt Ion: 94 Resp: 1537
Ion Ratio Lower Upper
94 100
96 80.2 74.2 111.4



#7
Trichlorofluoromethane
Concen: 0.482 ug/l
RT: 1.89 min Scan# 223
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion: 101 Resp: 3263
Ion Ratio Lower Upper
101 100
103 58.7 50.2 75.2





#8

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

Concen: 0.471 ug/l

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

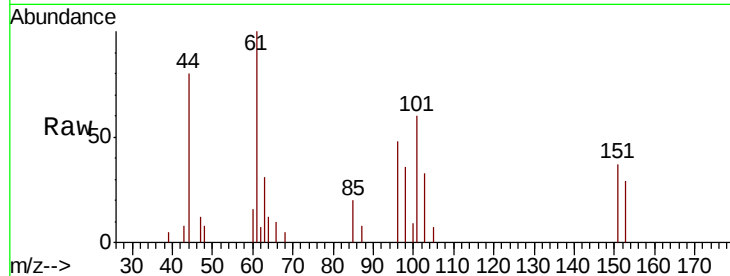
Tgt Ion:101 Resp: 1765

Ion Ratio Lower Upper

101 100

85 34.6 38.2 57.2#

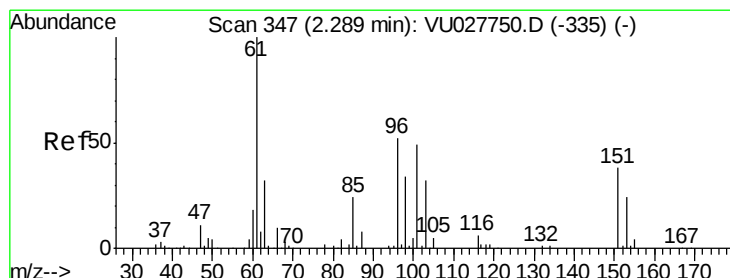
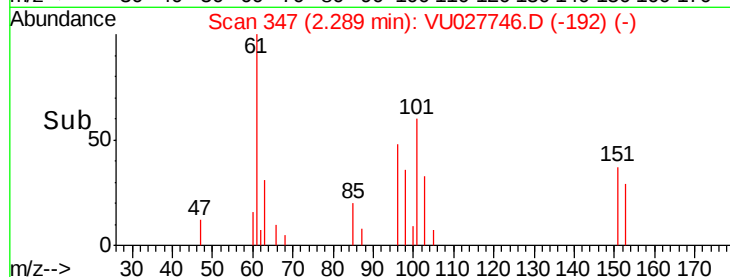
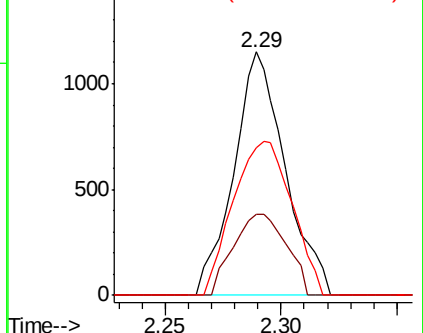
151 72.4 61.8 92.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#9

1,1-Dichloroethene

Concen: 0.434 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

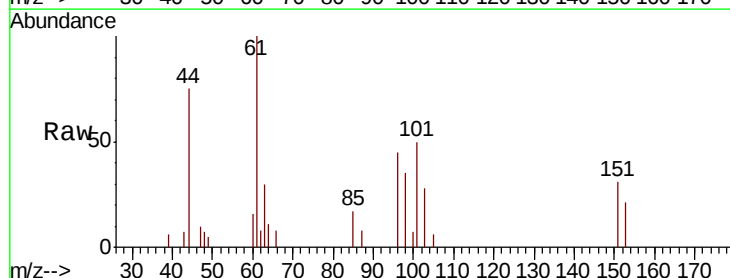
Tgt Ion: 96 Resp: 1451

Ion Ratio Lower Upper

96 100

61 224.3 0.0 581.4

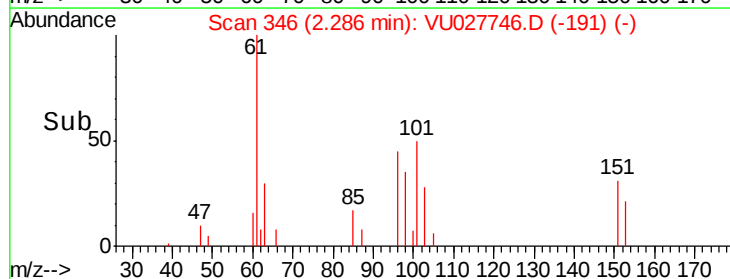
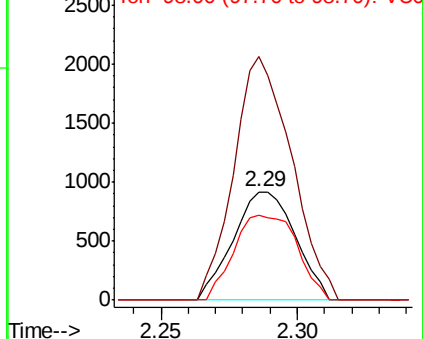
98 77.8 0.0 131.2

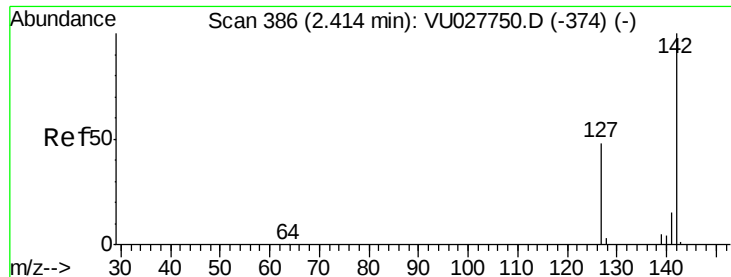


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#10

Iodomethane

Concen: 0.326 ug/l

RT: 2.41 min Scan# 386

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

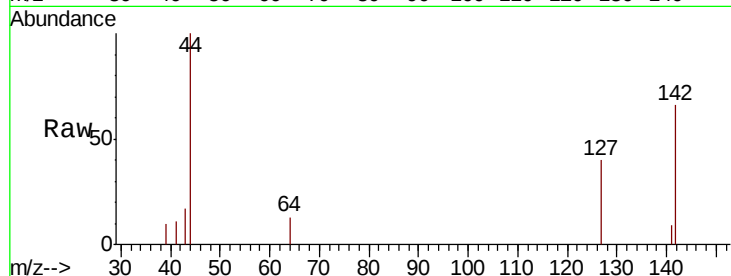
VSTDIC0.5

Tgt Ion:142 Resp: 1468

Ion Ratio Lower Upper

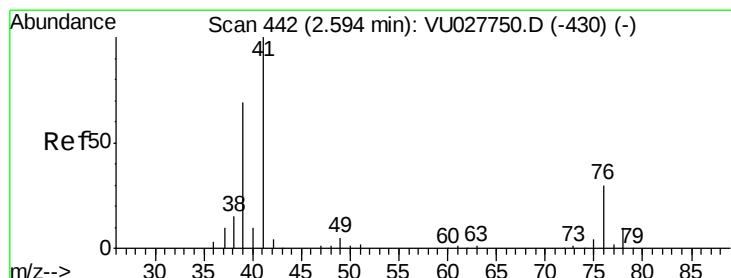
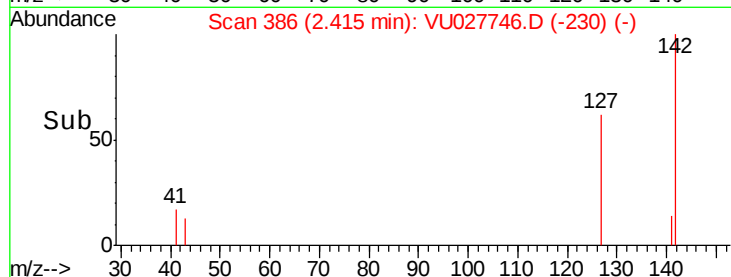
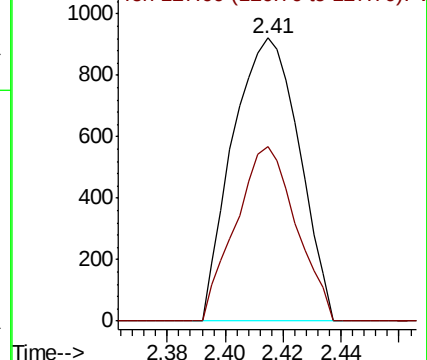
142 100

127 56.2 39.2 58.8



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V



#11

Allyl Chloride

Concen: 0.514 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027746.D

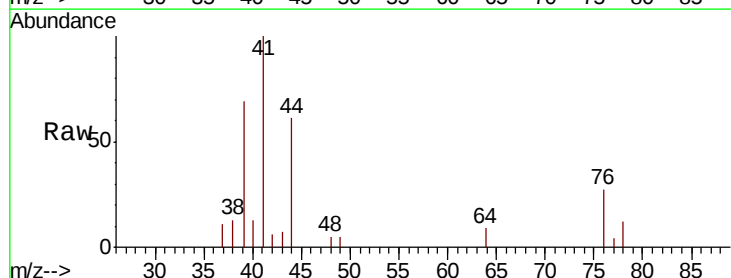
Acq: 22 Oct 2018 17:32

Tgt Ion: 41 Resp: 4029

Ion Ratio Lower Upper

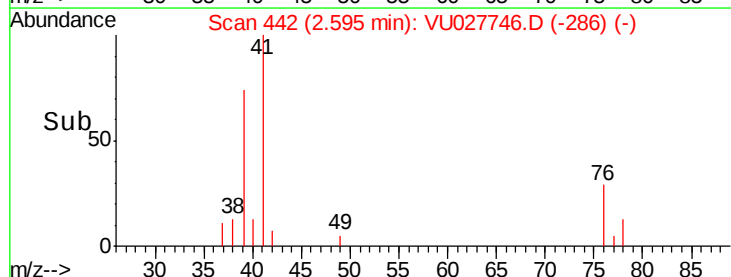
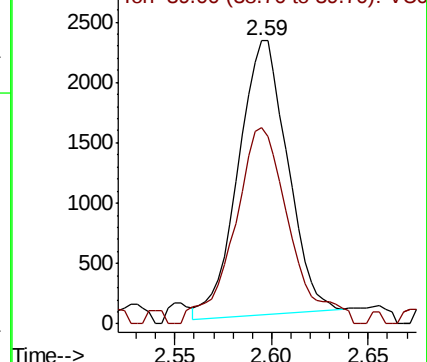
41 100

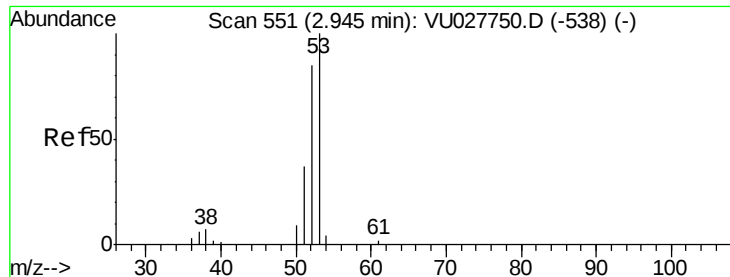
39 79.5 55.4 83.0



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#12

Acrylonitrile

Concen: 0.938 ug/l

RT: 2.96 min Scan# 555

Delta R.T. 0.01 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

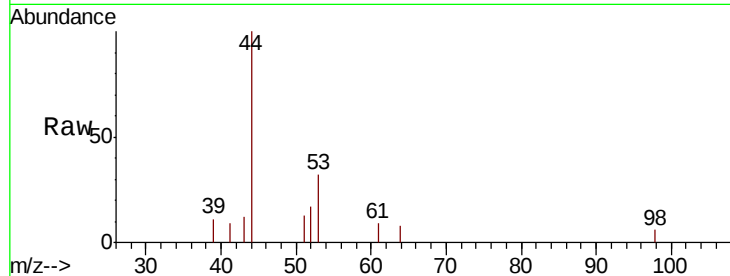
Tgt Ion: 53 Resp: 997

Ion Ratio Lower Upper

53 100

52 66.8 67.9 101.9#

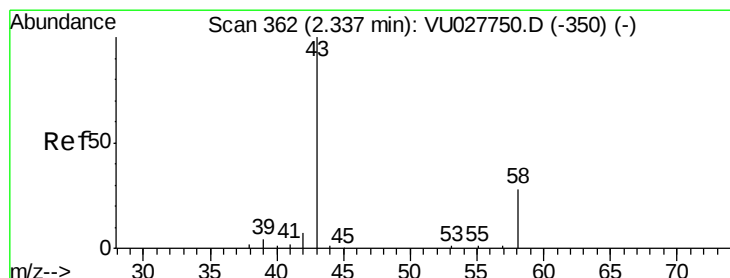
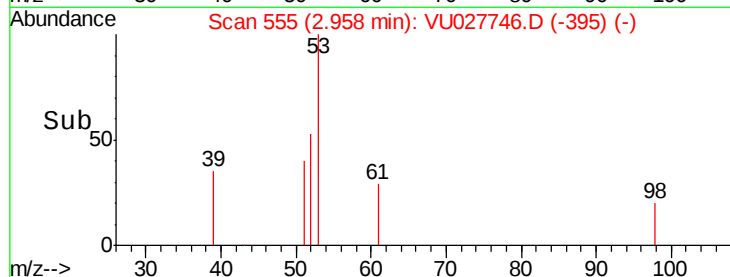
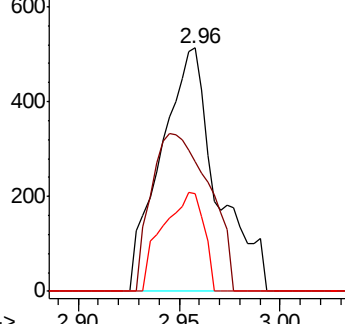
51 30.0 30.0 45.0#



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#13

Acetone

Concen: 2.694 ug/l

RT: 2.35 min Scan# 366

Delta R.T. 0.01 min

Lab File: VU027746.D

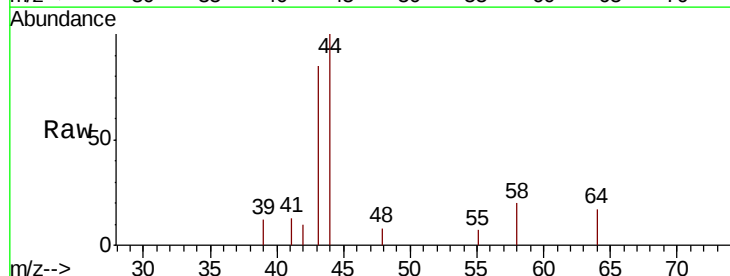
Acq: 22 Oct 2018 17:32

Tgt Ion: 43 Resp: 2971

Ion Ratio Lower Upper

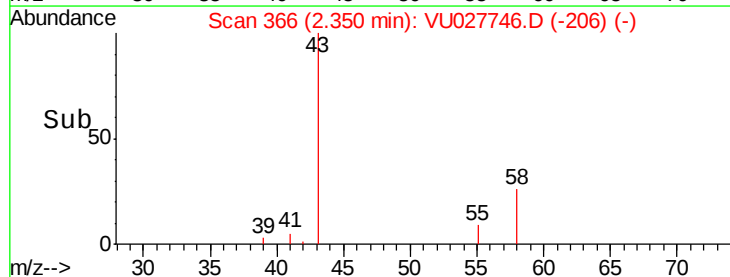
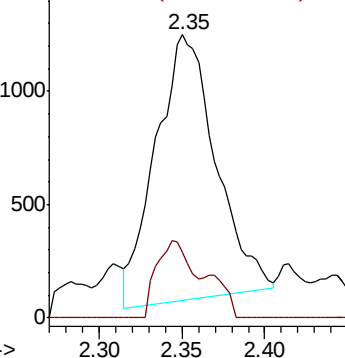
43 100

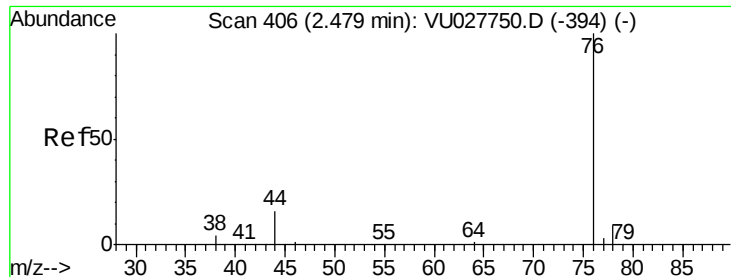
58 26.5 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#14

Carbon Disulfide

Concen: 0.482 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

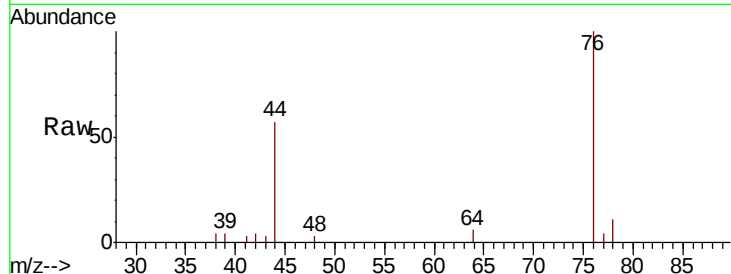
VSTDIC0.5

Tgt Ion: 76 Resp: 5844

Ion Ratio Lower Upper

76 100

78 10.8 7.1 10.7#



Abundance Ion 76.00 (75.70 to 76.70): VU027750.D (-394) (-)

Ion 78.00 (77.70 to 78.70): VU027750.D (-394) (-)

2.48

4000

3000

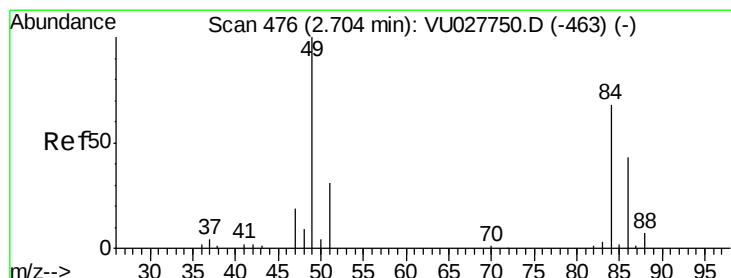
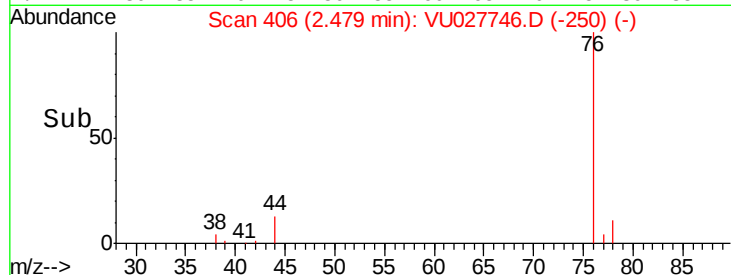
2000

1000

0

Time-->

2.45 2.50 2.55



#15

Methylene Chloride

Concen: 0.607 ug/l

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Tgt Ion: 84 Resp: 2478

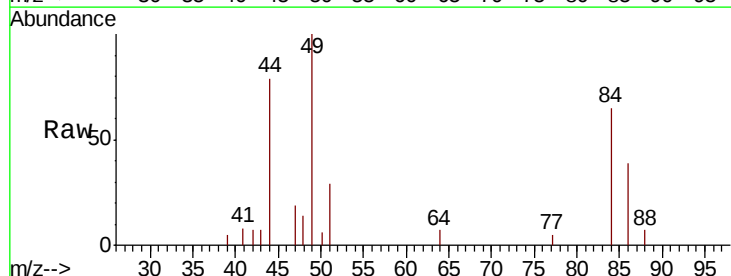
Ion Ratio Lower Upper

84 100

49 155.0 118.5 177.7

51 45.0 0.0 91.0

86 59.9 50.7 76.1



Abundance Ion 84.00 (83.70 to 84.70): VU027750.D (-463) (-)

Ion 49.00 (48.70 to 49.70): VU027750.D (-463) (-)

Ion 51.00 (50.70 to 51.70): VU027750.D (-463) (-)

Ion 86.00 (85.70 to 86.70): VU027750.D (-463) (-)

3000

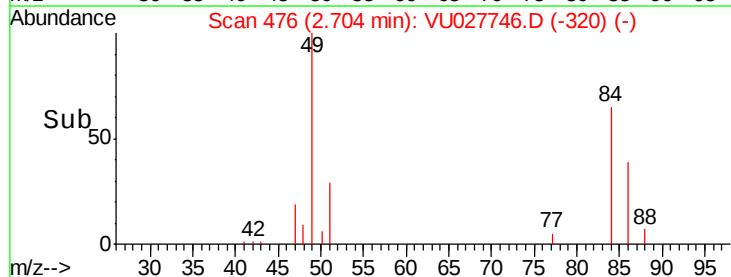
2000

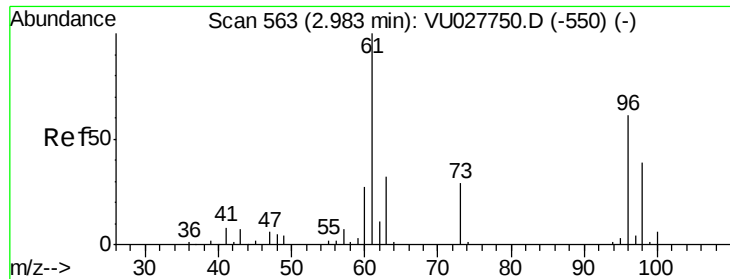
1000

0

Time-->

2.65 2.70 2.75





#16

trans-1,2-Dichloroethene

Concen: 0.440 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

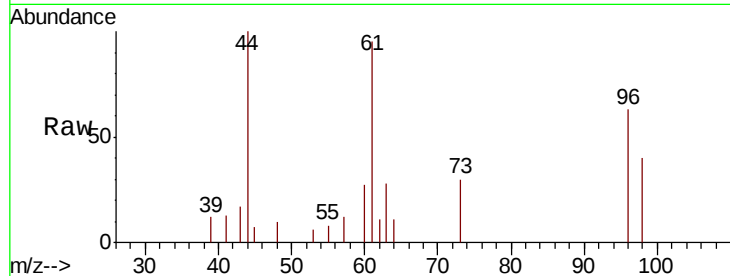
Tgt Ion: 96 Resp: 1648

Ion Ratio Lower Upper

96 100

61 150.8 131.8 197.6

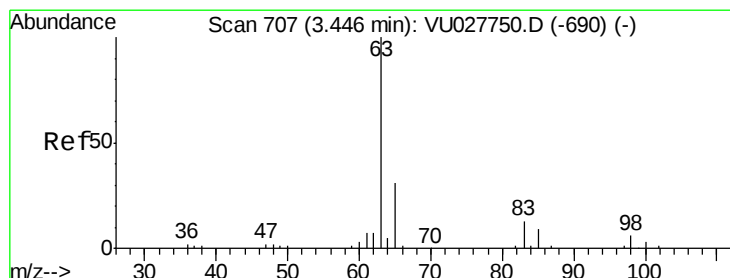
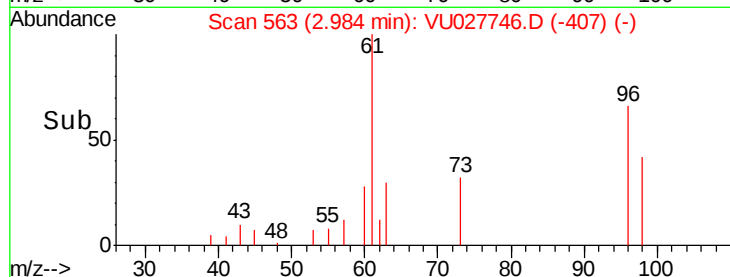
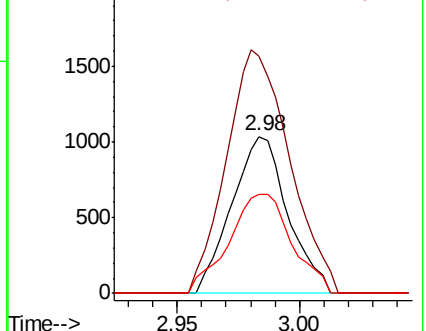
98 63.5 51.2 76.8



Abundance Ion 96.00 (95.70 to 96.70): VU027750.D (-550) (-)

Ion 61.00 (60.70 to 61.70): VU027750.D (-550) (-)

Ion 98.00 (97.70 to 98.70): VU027750.D (-550) (-)



#17

1,1-Dichloroethane

Concen: 0.486 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

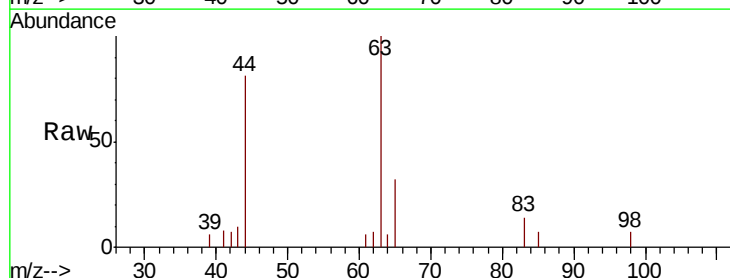
Tgt Ion: 63 Resp: 3801

Ion Ratio Lower Upper

63 100

98 6.8 2.8 8.4

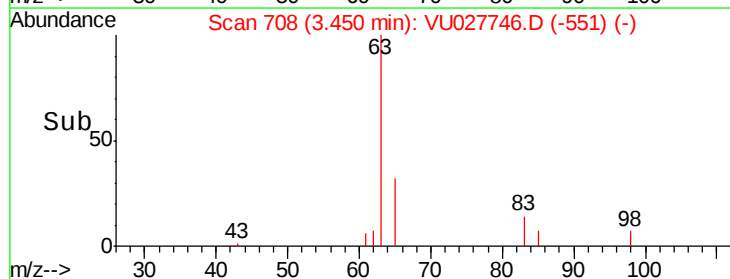
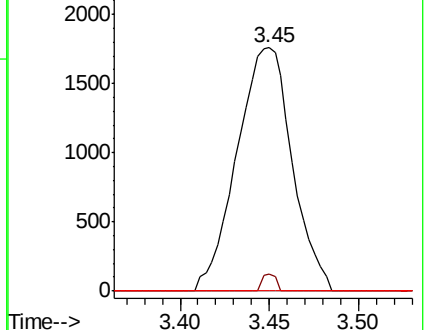
100 0.0 1.5 4.5#

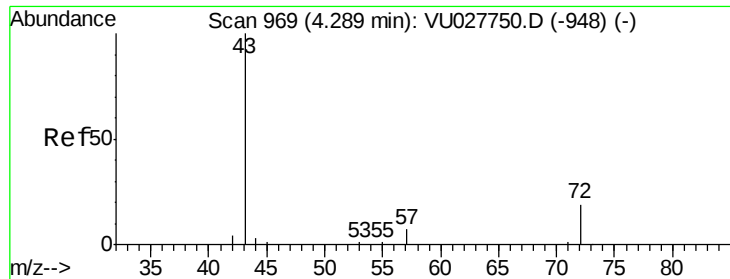


Abundance Ion 63.00 (62.70 to 63.70): VU027750.D (-690) (-)

Ion 98.00 (97.70 to 98.70): VU027750.D (-690) (-)

Ion 100.00 (99.70 to 100.70): VU027750.D (-690) (-)





#18

2-Butanone

Concen: 0.973 ug/l

RT: 4.30 min Scan# 972

Delta R.T. 0.01 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

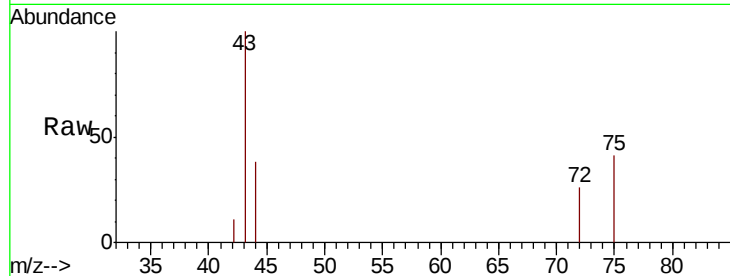
VSTDIC0.5

Tgt Ion: 43 Resp: 1400

Ion Ratio Lower Upper

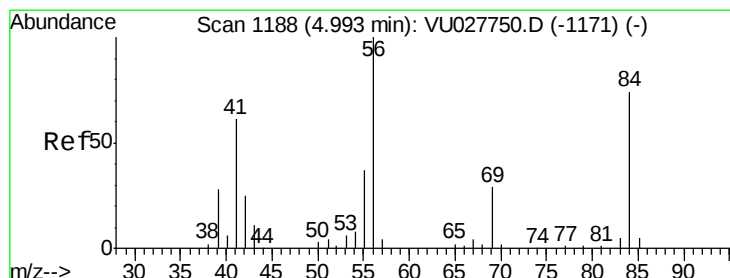
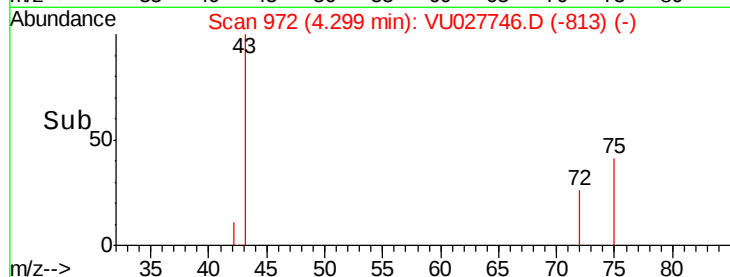
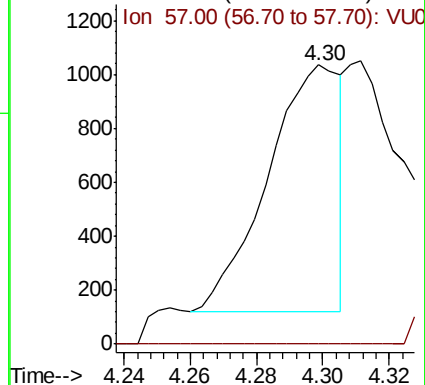
43 100

57 0.0 0.0 14.4



Abundance Ion 43.00 (42.70 to 43.70): VU027750.D (-948) (-)

Ion 57.00 (56.70 to 57.70): VU027750.D (-948) (-)



#19

Cyclohexane

Concen: 0.487 ug/l

RT: 5.00 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

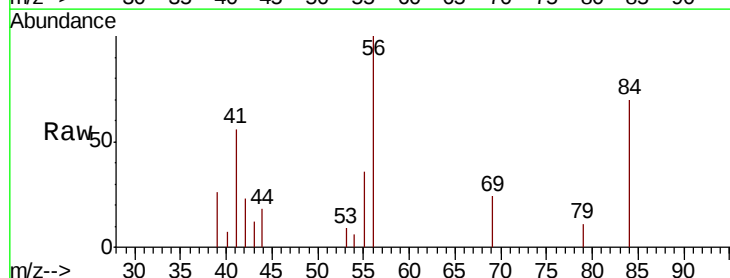
Tgt Ion: 56 Resp: 3484

Ion Ratio Lower Upper

56 100

69 28.0 25.9 38.9

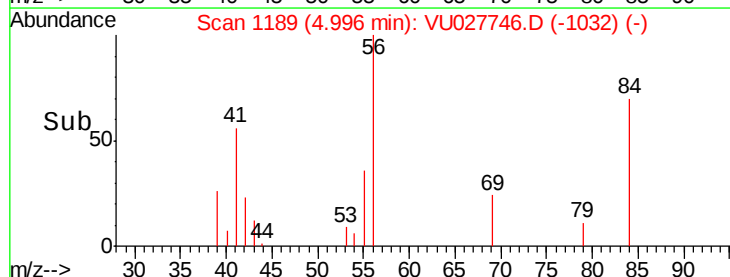
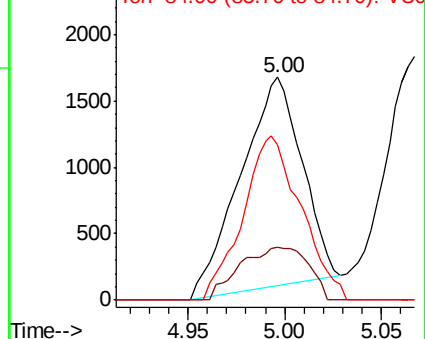
84 74.0 65.9 98.9

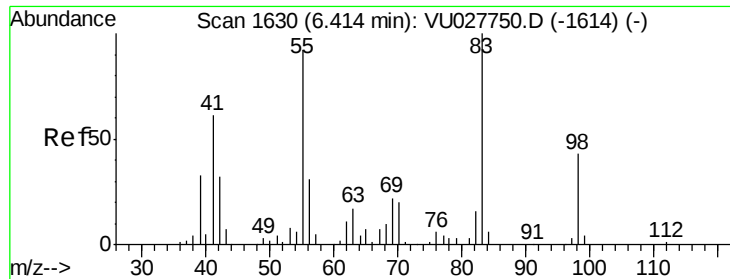


Abundance Ion 56.00 (55.70 to 56.70): VU027750.D (-1171) (-)

Ion 69.00 (68.70 to 69.70): VU027750.D (-1171) (-)

Ion 84.00 (83.70 to 84.70): VU027750.D (-1171) (-)

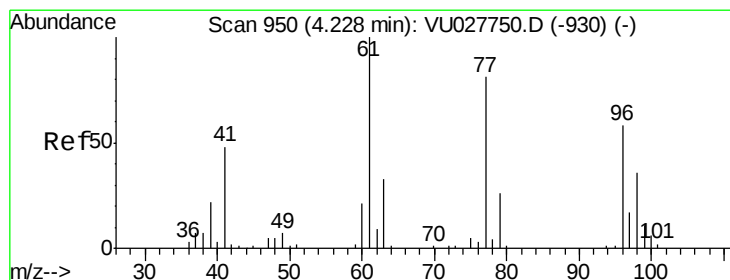
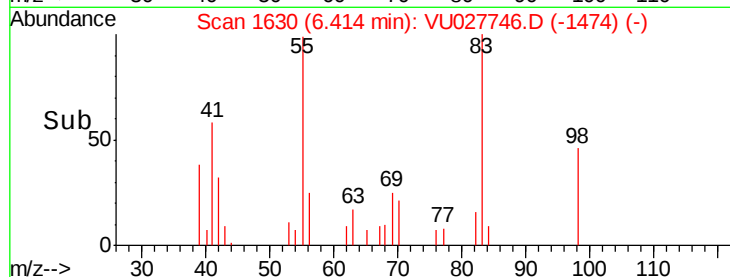
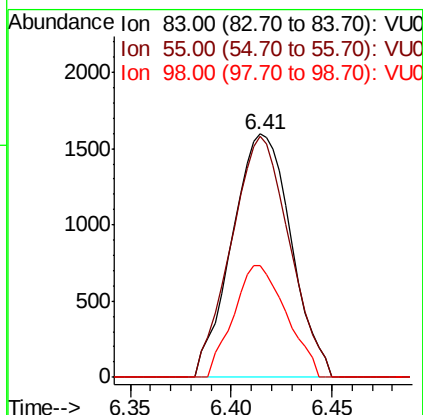
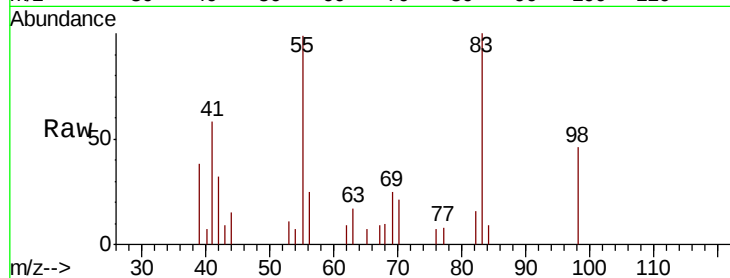




#20
Methylcyclohexane
Concen: 0.467 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

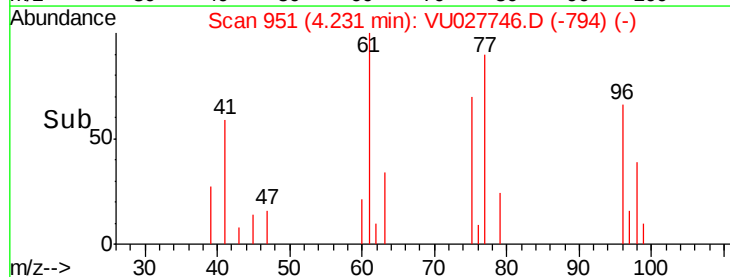
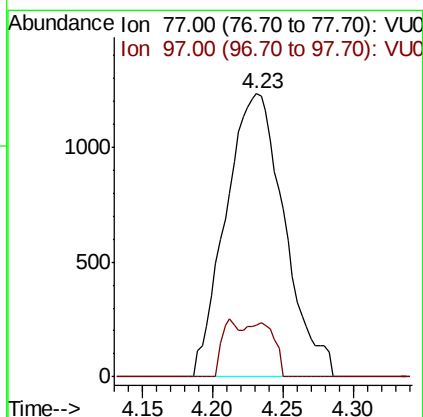
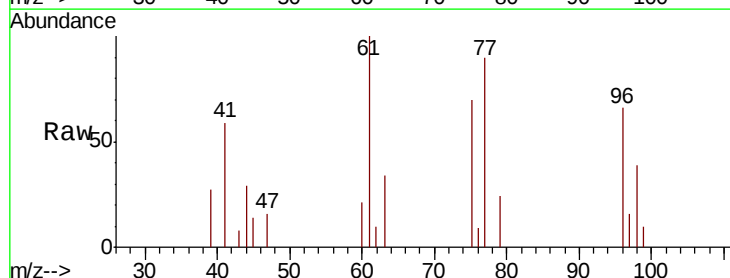
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

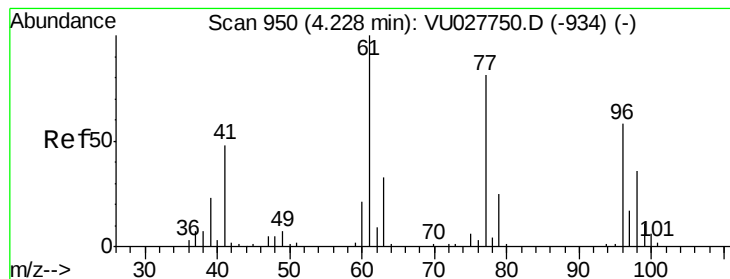
Tgt Ion: 83 Resp: 3270
Ion Ratio Lower Upper
83 100
55 97.3 72.6 108.8
98 40.9 35.0 52.4



#21
2,2-Dichloropropane
Concen: 0.515 ug/l
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion: 77 Resp: 3571
Ion Ratio Lower Upper
77 100
97 5.7 16.9 25.3#



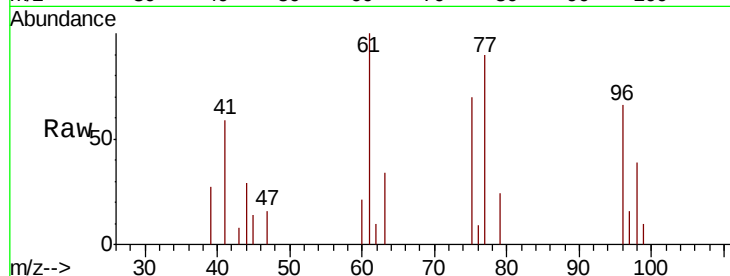


#22

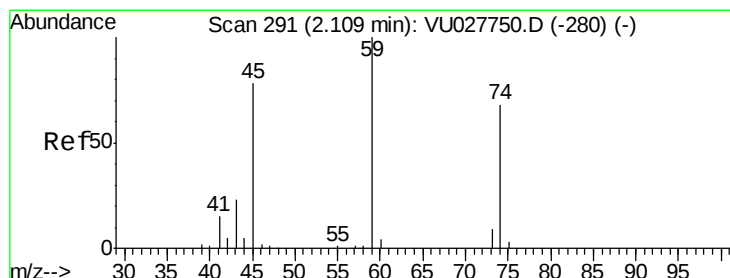
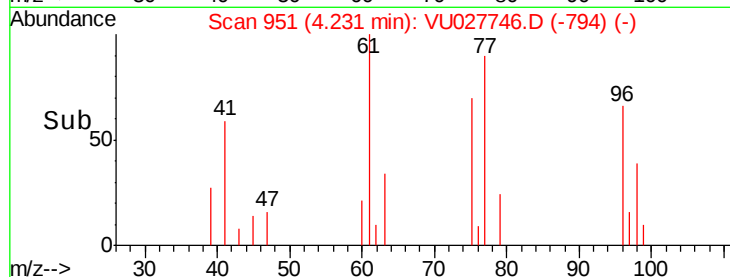
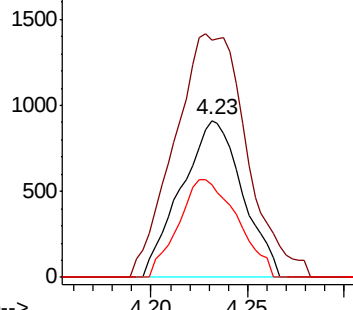
cis-1,2-Dichloroethene
 Concen: 0.472 ug/l
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 96 Resp: 2010
 Ion Ratio Lower Upper
 96 100
 61 183.2 0.0 444.0
 98 60.1 31.9 95.5



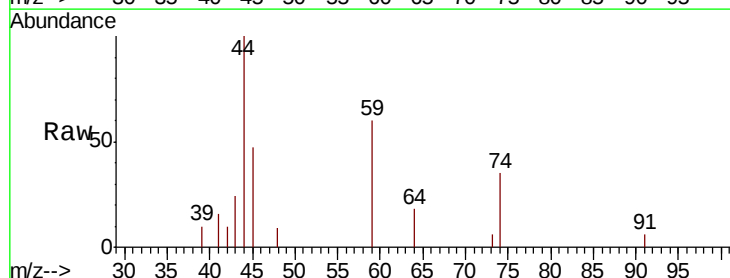
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0



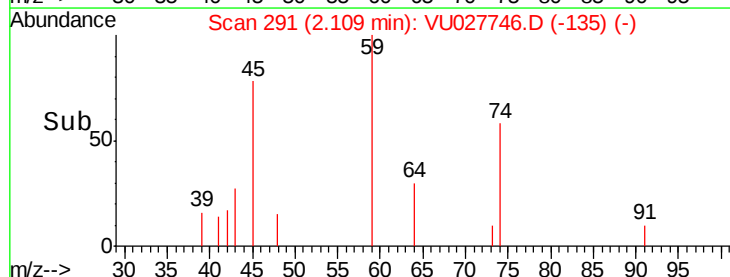
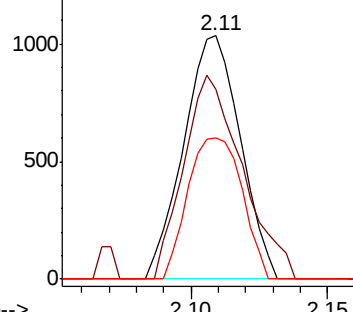
#23

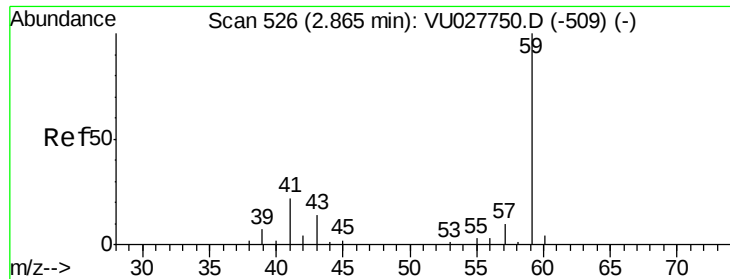
Diethyl Ether
 Concen: 0.474 ug/l
 RT: 2.11 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Tgt Ion: 59 Resp: 1493
 Ion Ratio Lower Upper
 59 100
 45 86.6 64.6 96.8
 74 55.6 54.8 82.2



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



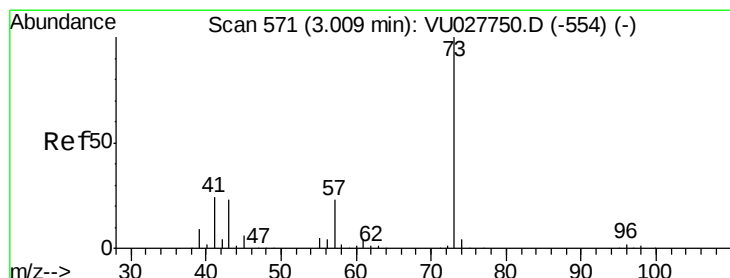
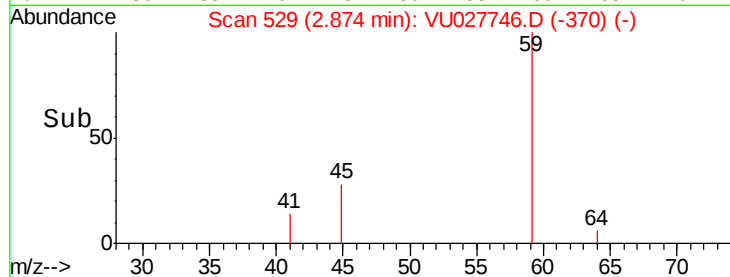
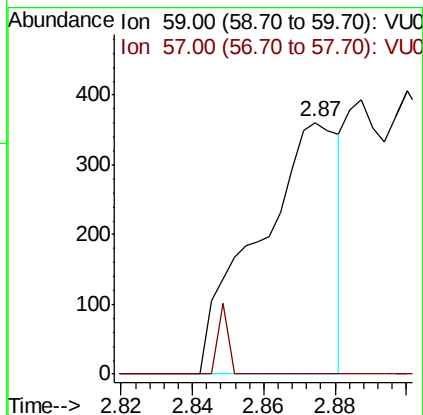
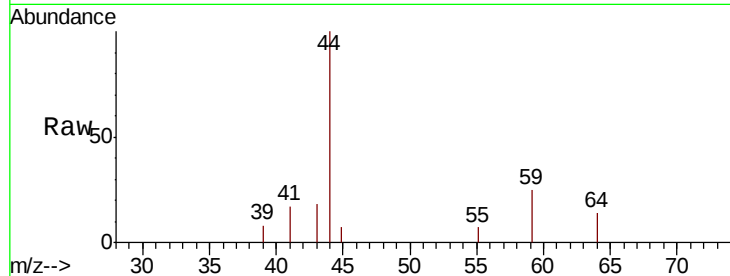


#24

tert-Butyl Alcohol
 Concen: 1.863 ug/l
 RT: 2.87 min Scan# 529
 Delta R.T. 0.01 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

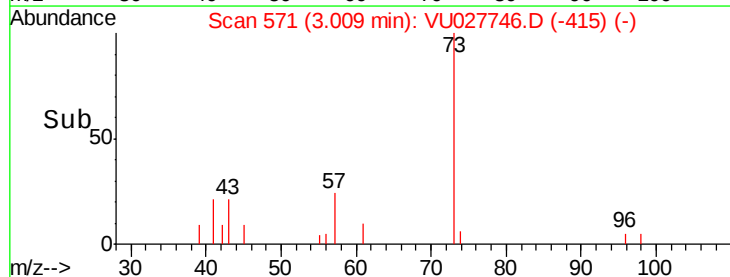
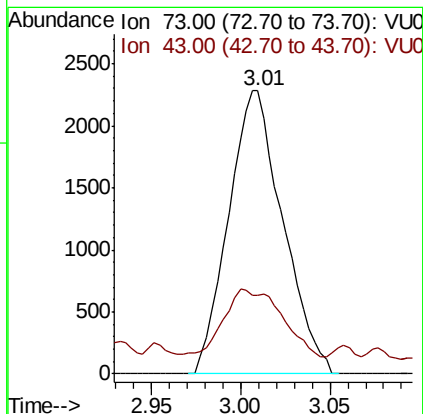
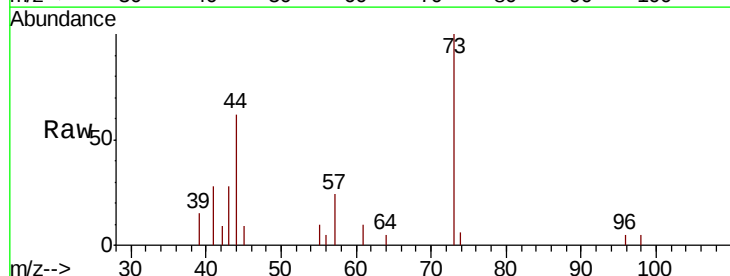
Tgt Ion: 59 Resp: 562
 Ion Ratio Lower Upper
 59 100
 57 234.5 4.4 6.6#

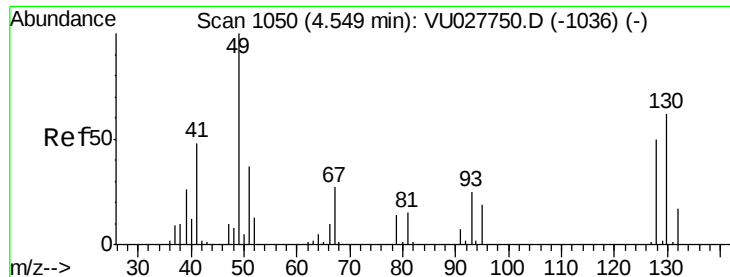


#25

Methyl tert-Butyl Ether
 Concen: 0.457 ug/l
 RT: 3.01 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Tgt Ion: 73 Resp: 4837
 Ion Ratio Lower Upper
 73 100
 43 25.3 18.6 27.8





#26

Bromochloromethane

Concen: 0.461 ug/l

RT: 4.55 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

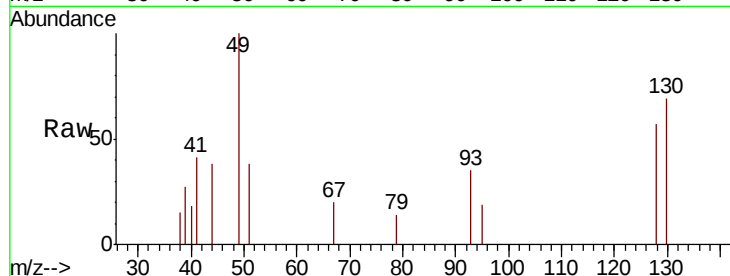
Tgt Ion: 128 Resp: 794

Ion Ratio Lower Upper

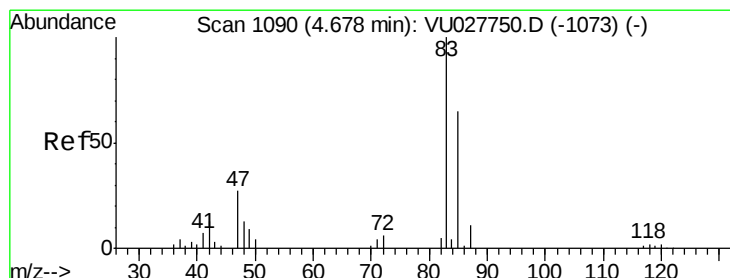
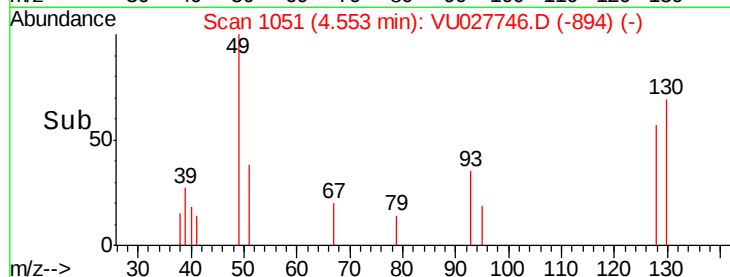
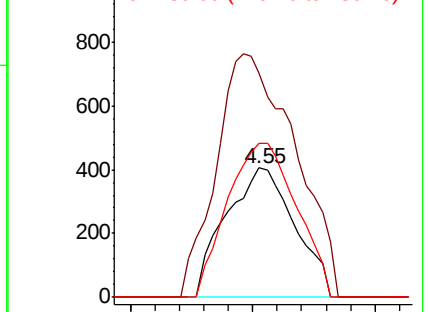
128 100

49 215.0 0.0 427.6

130 119.5 103.4 155.0



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



#27

Chloroform

Concen: 0.462 ug/l

RT: 4.68 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VU027746.D

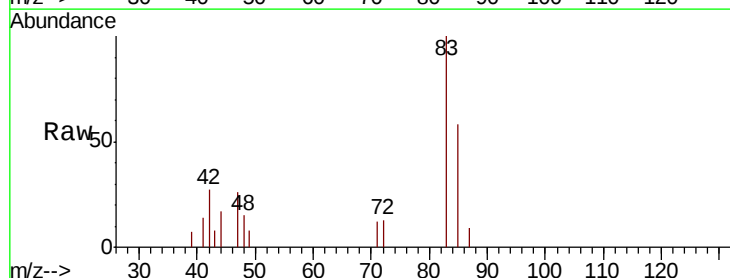
Acq: 22 Oct 2018 17:32

Tgt Ion: 83 Resp: 3566

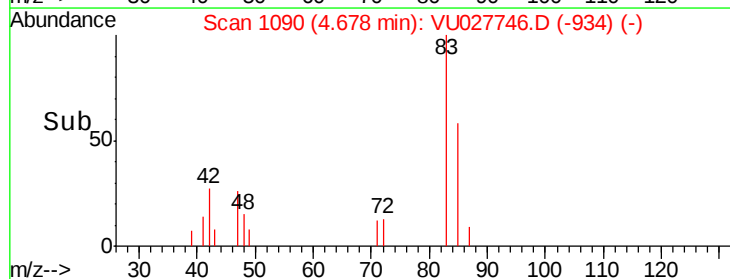
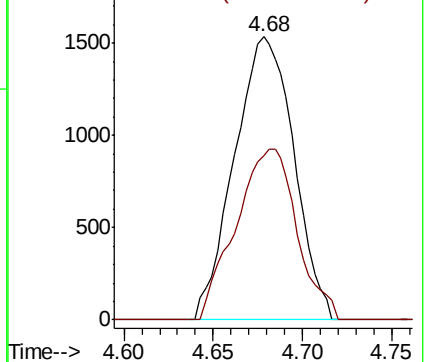
Ion Ratio Lower Upper

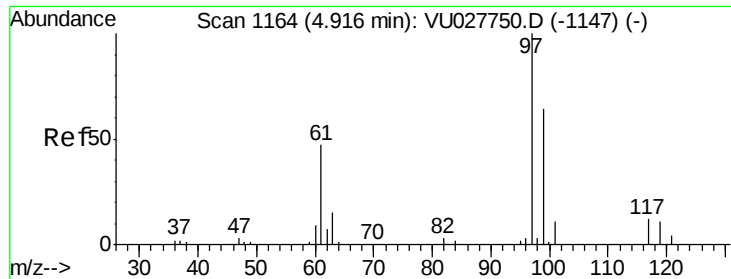
83 100

85 58.3 0.0 130.2



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

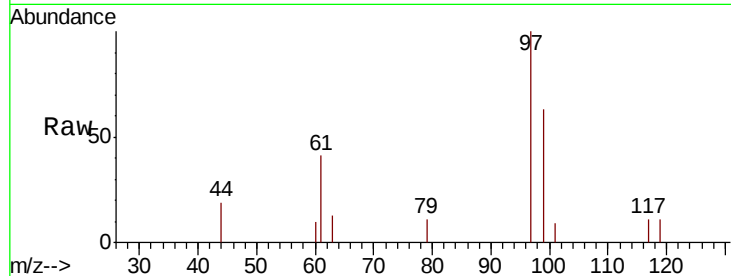




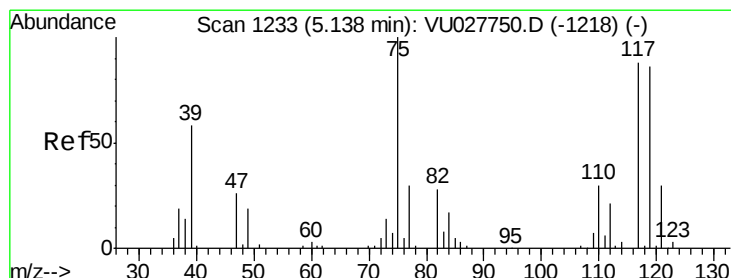
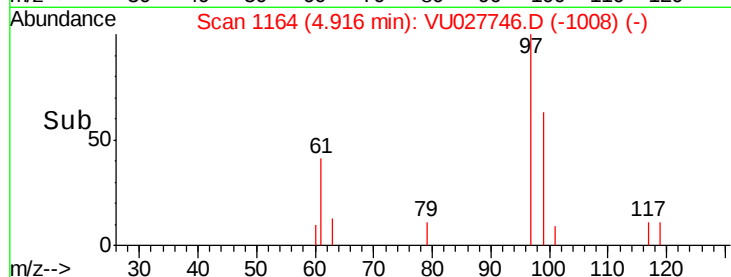
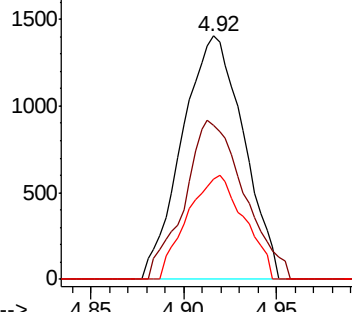
#28
 1,1,1-Trichloroethane
 Concen: 0.485 ug/l
 RT: 4.92 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 97 Resp: 3234
 Ion Ratio Lower Upper
 97 100
 99 63.5 31.8 95.4
 61 39.6 23.6 70.8

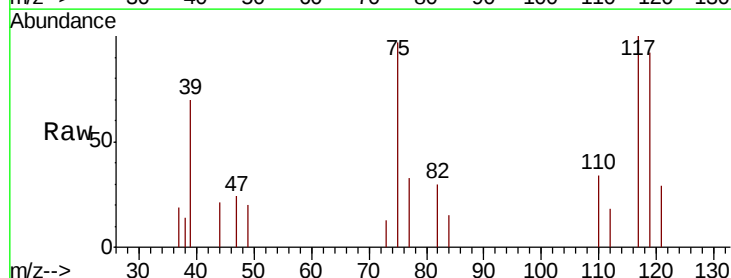


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0

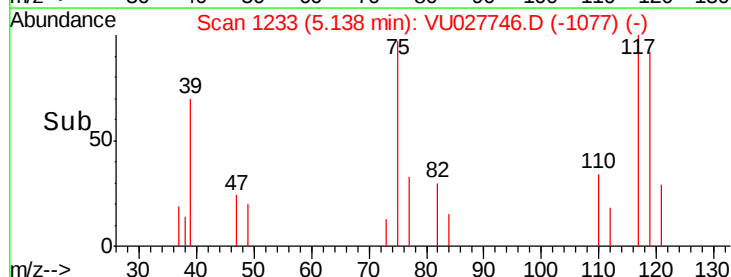
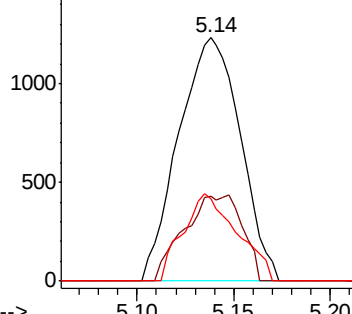


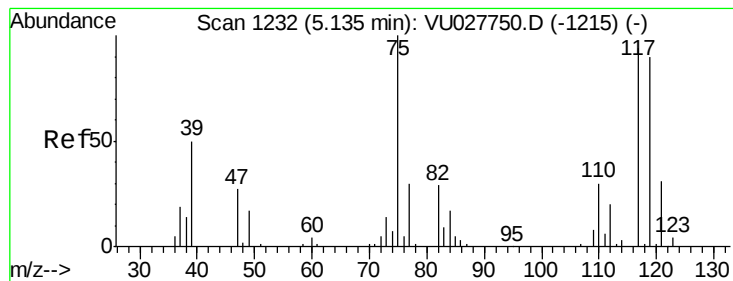
#29
 1,1-Dichloropropene
 Concen: 0.464 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Tgt Ion: 75 Resp: 2726
 Ion Ratio Lower Upper
 75 100
 110 33.2 15.6 46.8
 77 31.6 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VU0





#30

Carbon Tetrachloride

Concen: 0.490 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

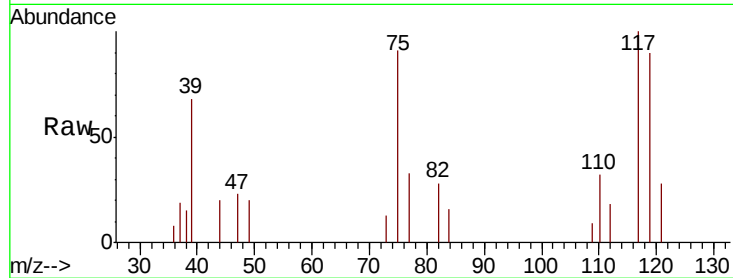
Tgt Ion:117 Resp: 2909

Ion Ratio Lower Upper

117 100

119 89.6 76.2 114.4

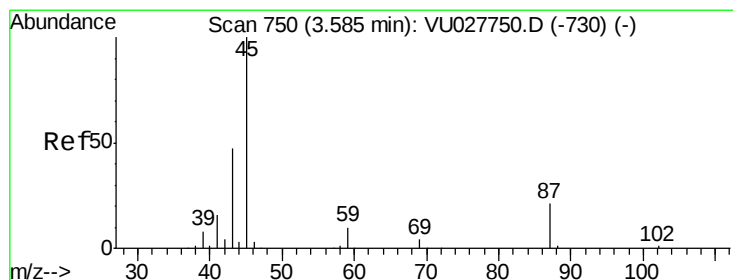
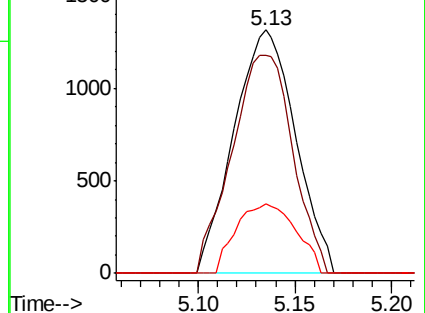
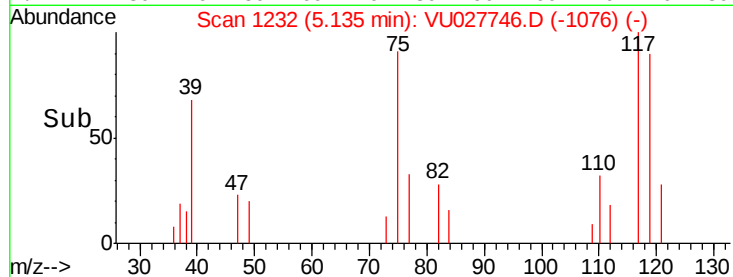
121 28.3 26.4 39.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#31

Isopropyl Ether

Concen: 0.452 ug/l

RT: 3.58 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU027746.D

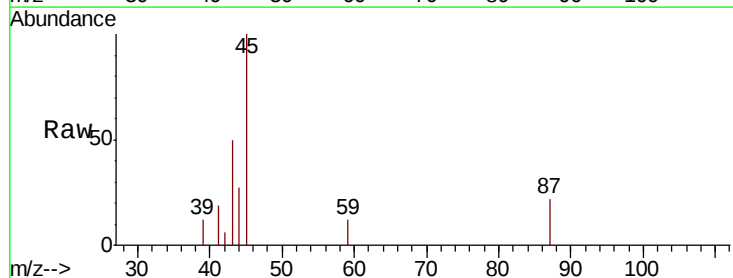
Acq: 22 Oct 2018 17:32

Tgt Ion: 45 Resp: 6649

Ion Ratio Lower Upper

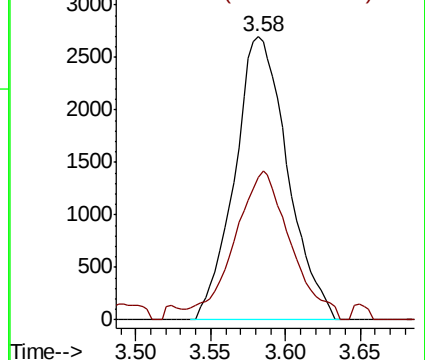
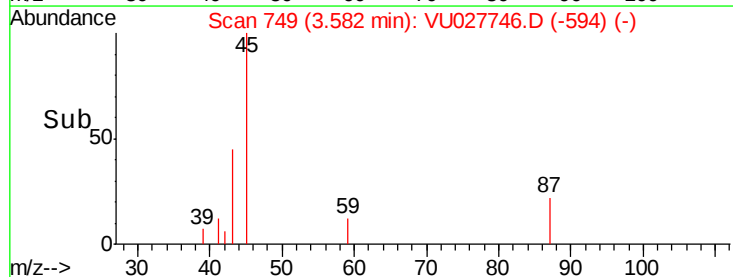
45 100

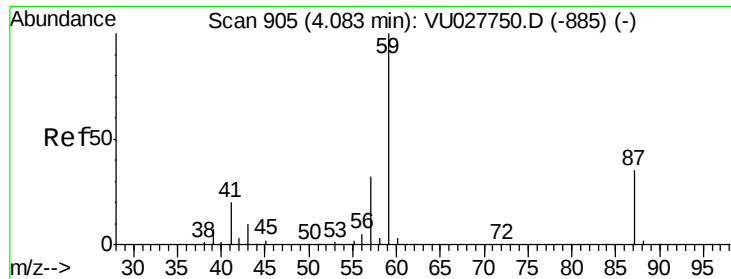
43 55.8 24.5 73.5



Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0





#32

Ethyl-t-butyl ether

Concen: 0.460 ug/l

RT: 4.08 min Scan# 904

Delta R.T. -0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

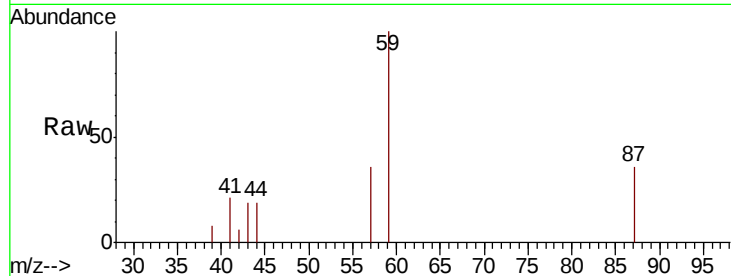
VSTDIC0.5

Tgt Ion: 59 Resp: 5964

Ion Ratio Lower Upper

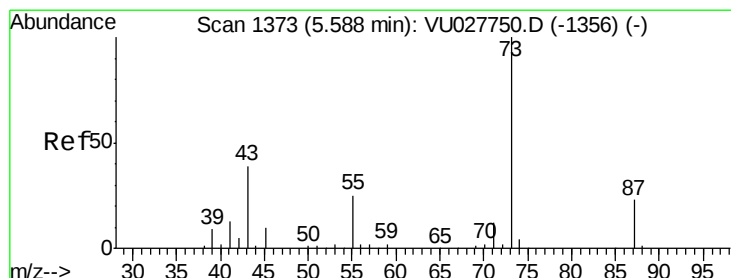
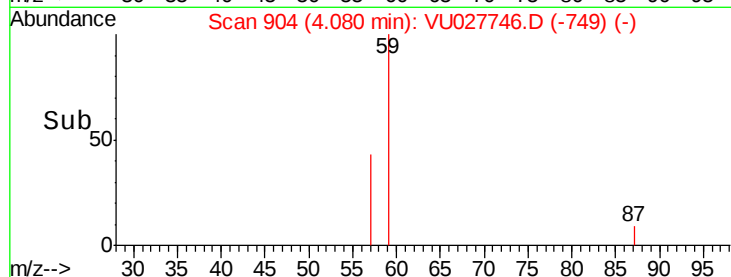
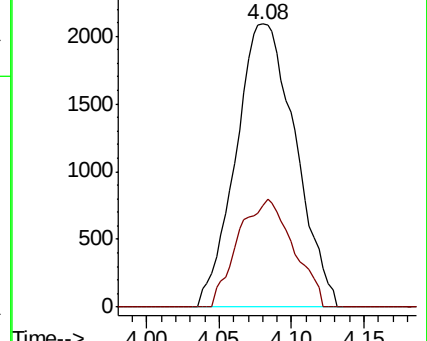
59 100

87 35.3 29.4 44.0



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#33

Tert-Amyl methyl ether

Concen: 0.454 ug/l

RT: 5.59 min Scan# 1373

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

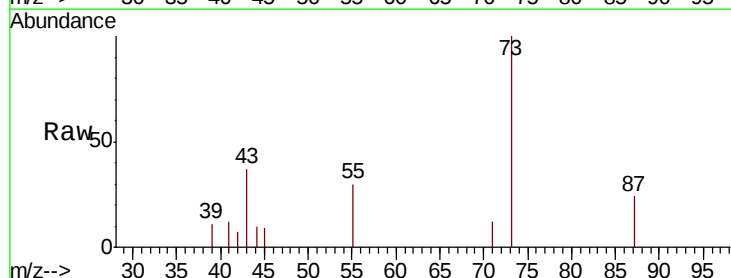
Tgt Ion: 73 Resp: 4948

Ion Ratio Lower Upper

73 100

87 23.8 18.5 27.7

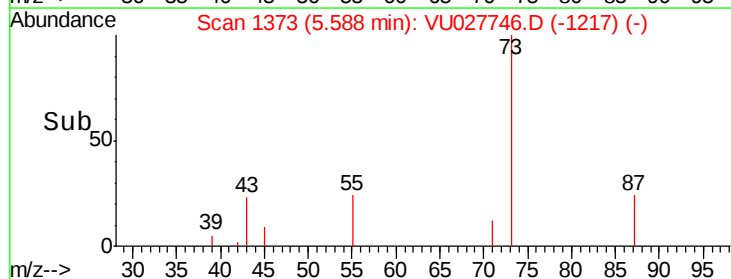
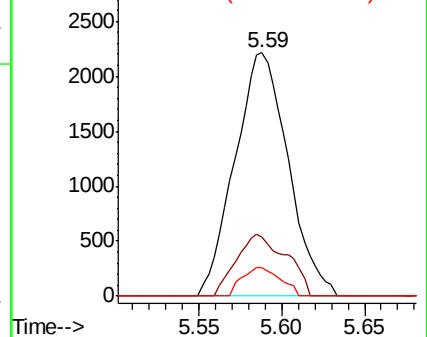
71 8.4 9.1 13.7#

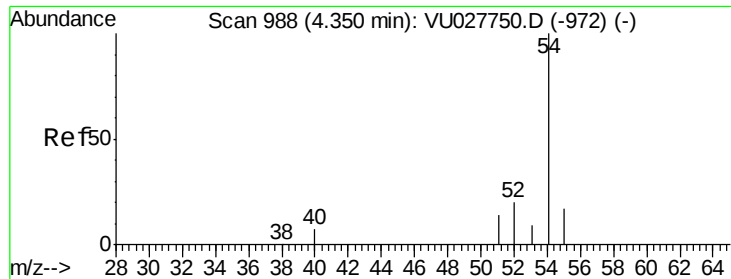


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 71.00 (70.70 to 71.70): VU0

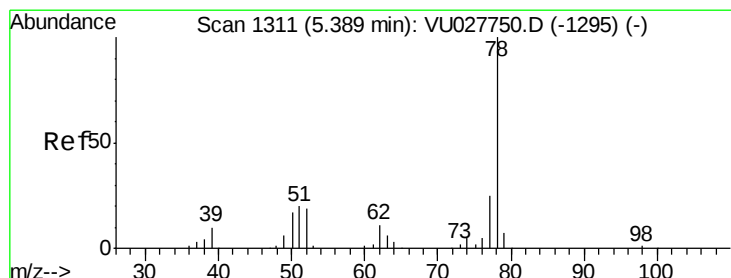
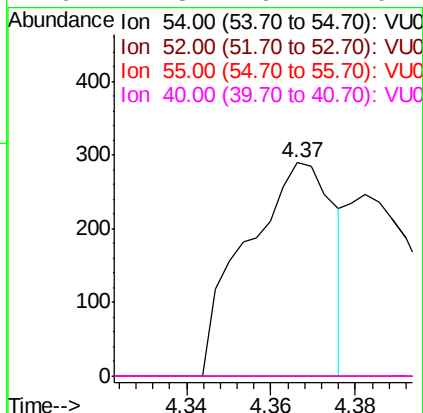
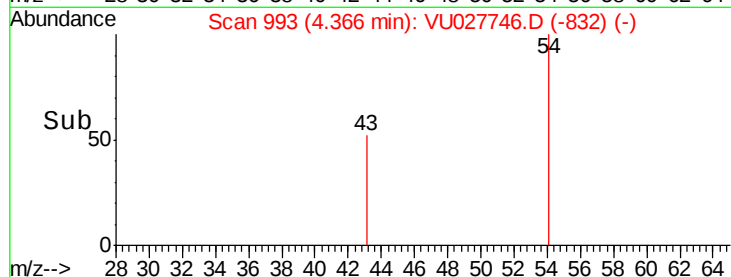
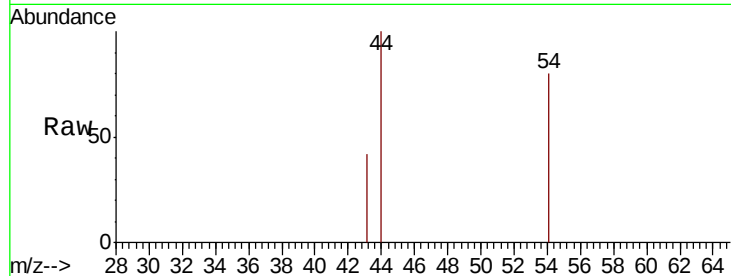




#34
 Propionitrile
 Concen: 1.079 ug/l
 RT: 4.37 min Scan# 993
 Delta R.T. 0.02 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

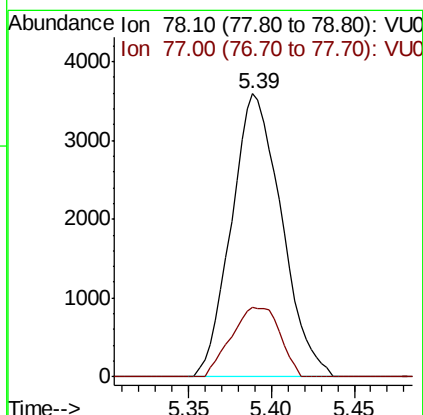
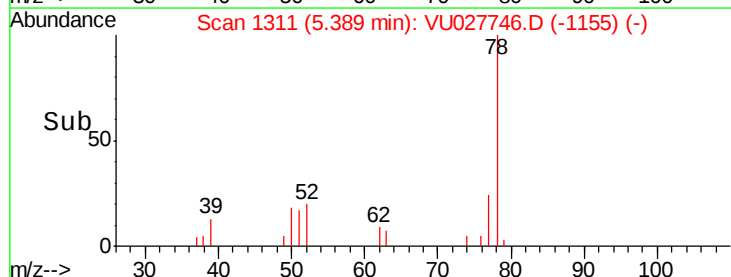
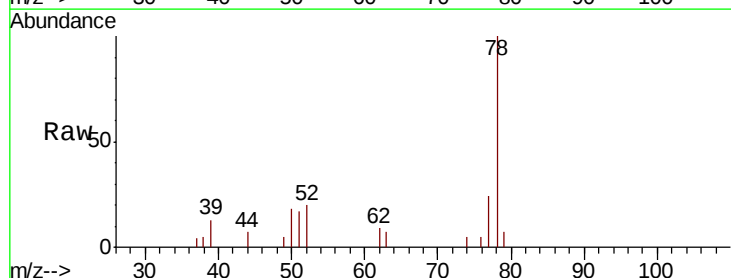
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

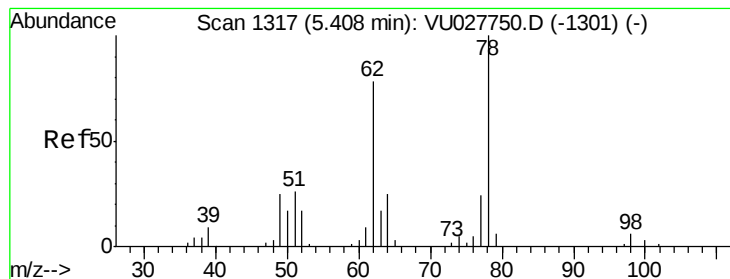
Tgt Ion: 54 Resp: 417
 Ion Ratio Lower Upper
 54 100
 52 0.0 15.5 23.3#
 55 270.5 12.6 18.8#
 40 21.3 6.1 9.1#



#35
 Benzene
 Concen: 0.458 ug/l
 RT: 5.39 min Scan# 1311
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Tgt Ion: 78 Resp: 7564
 Ion Ratio Lower Upper
 78 100
 77 24.4 19.9 29.9





#36

1,2-Dichloroethane

Concen: 0.479 ug/l

RT: 5.41 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

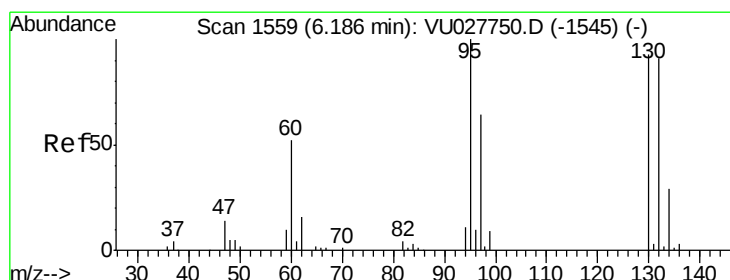
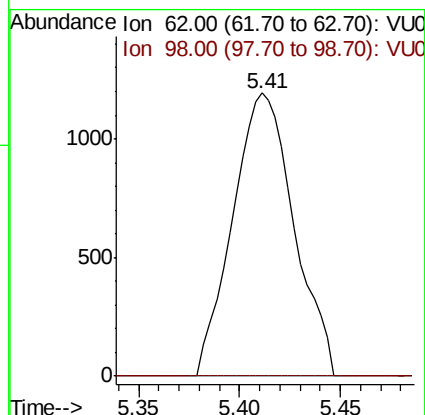
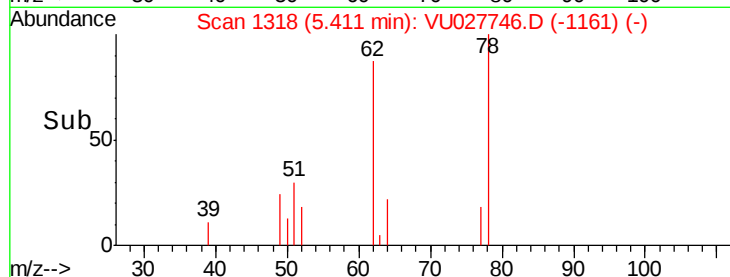
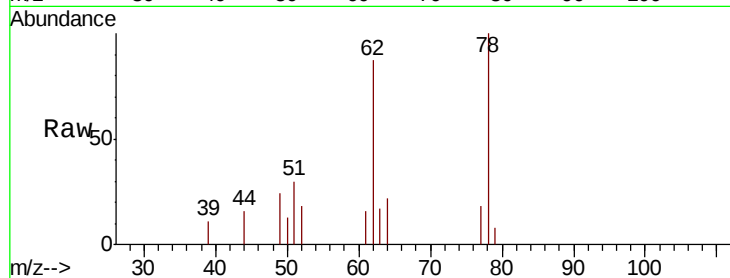
VSTDIC0.5

Tgt Ion: 62 Resp: 2523

Ion Ratio Lower Upper

62 100

98 0.0 5.8 8.6#



#37

Trichloroethene

Concen: 0.503 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027746.D

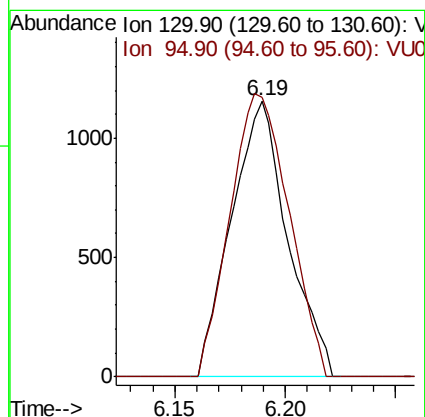
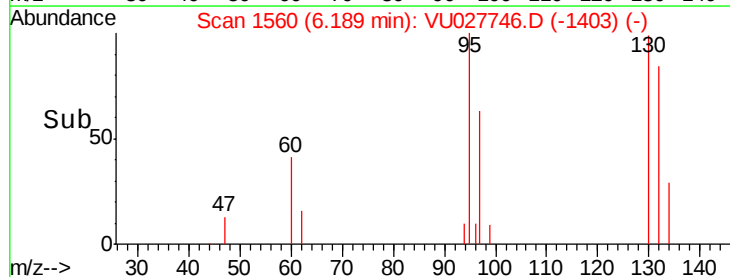
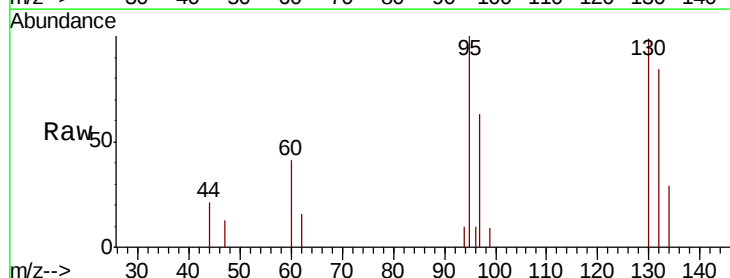
Acq: 22 Oct 2018 17:32

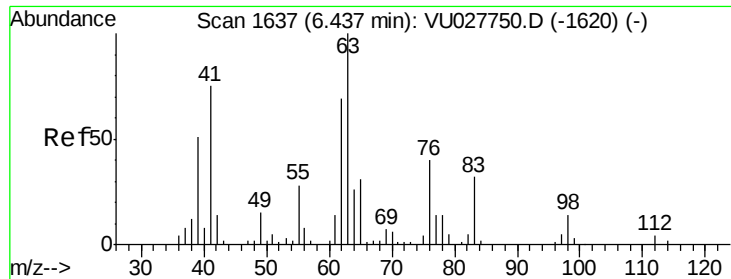
Tgt Ion: 130 Resp: 2044

Ion Ratio Lower Upper

130 100

95 101.5 86.4 129.6

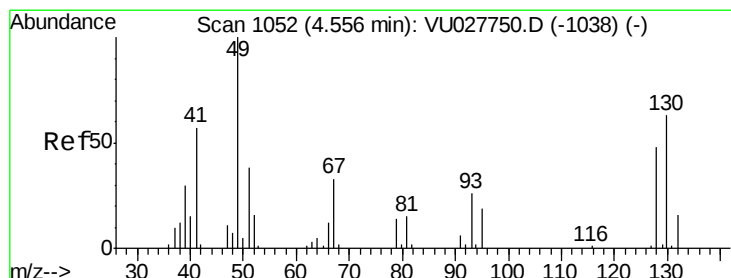
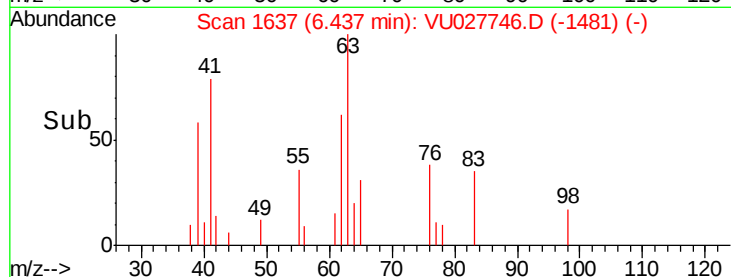
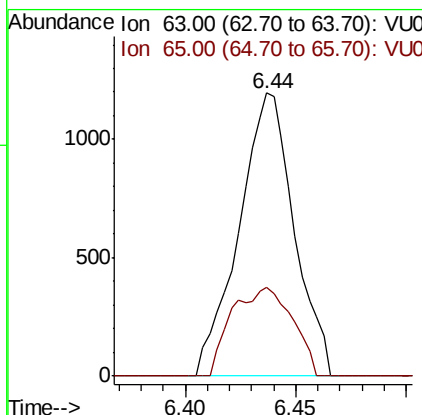
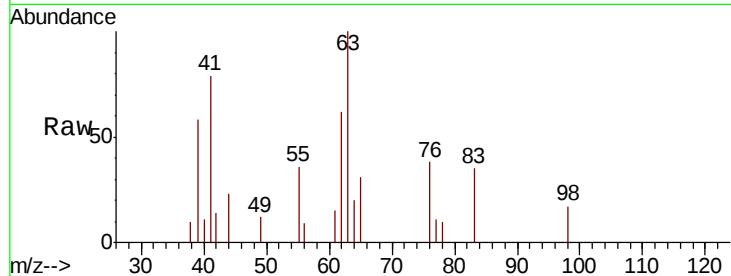




#38
 1,2-Dichloropropane
 Concen: 0.446 ug/l
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

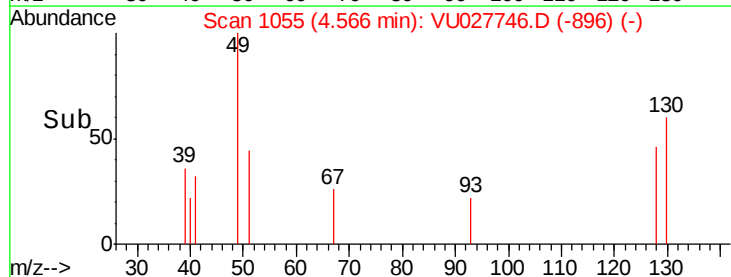
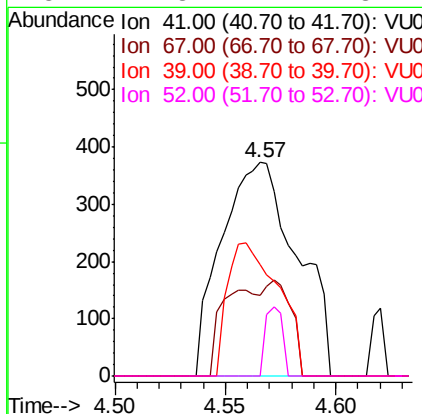
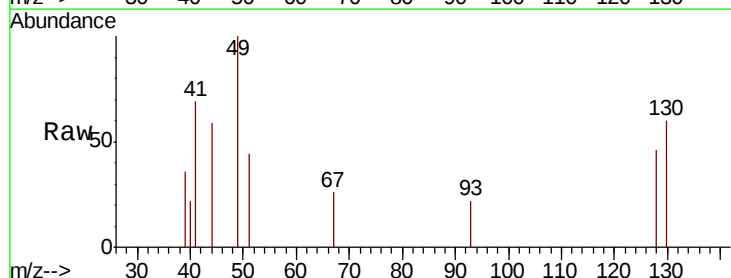
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

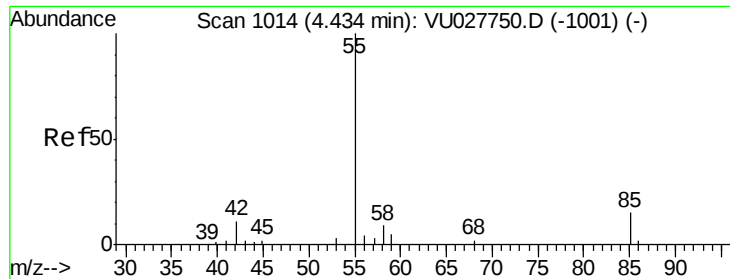
Tgt Ion: 63 Resp: 2077
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.9 37.3



#39
 Methacrylonitrile
 Concen: 0.465 ug/l
 RT: 4.57 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Tgt Ion: 41 Resp: 886
 Ion Ratio Lower Upper
 41 100
 67 21.2 46.1 69.1#
 39 42.0 43.6 65.4#
 52 7.3 21.4 32.2#

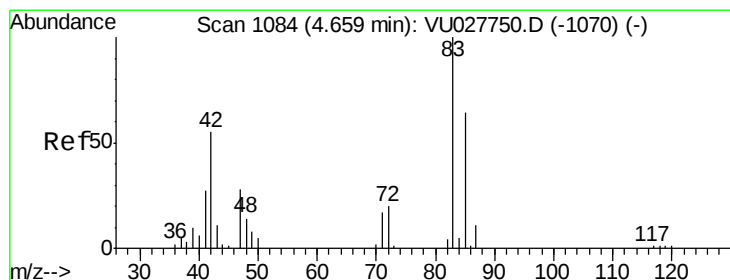
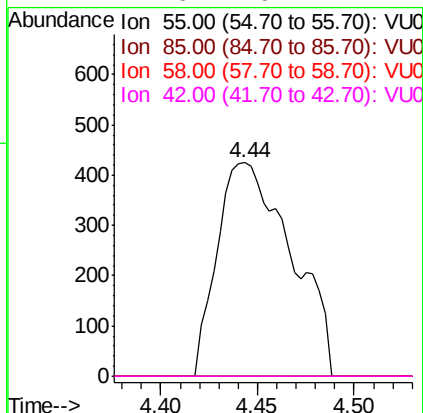
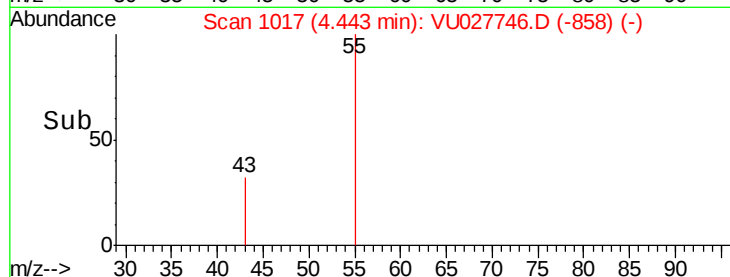
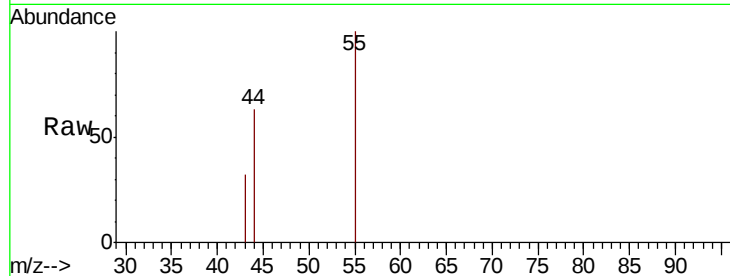




#40
Methyl acrylate
Concen: 0.437 ug/l
RT: 4.44 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

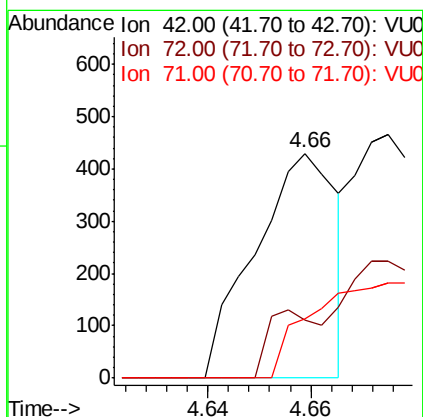
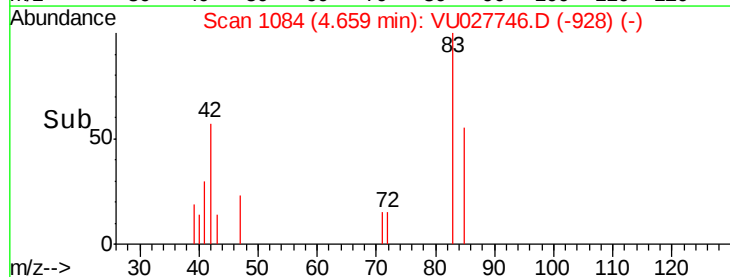
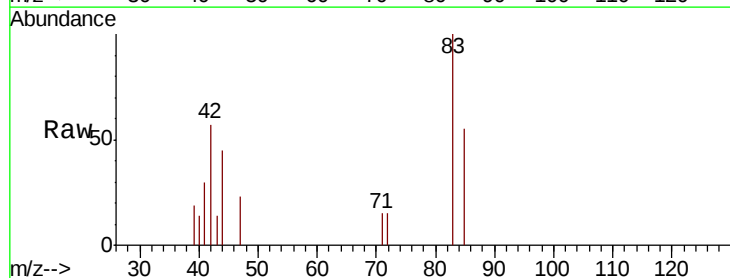
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

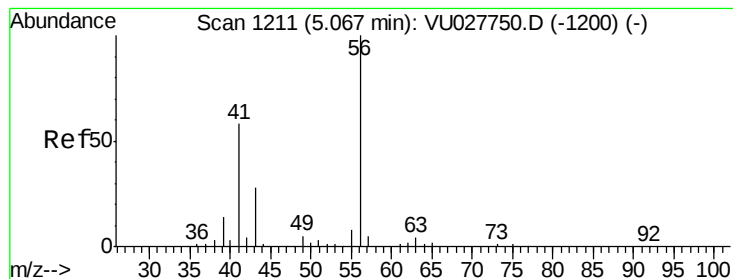
Tgt Ion:	55	Resp:	1128
Ion	Ratio	Lower	Upper
55	100		
85	0.0	11.8	17.6#
58	0.0	7.0	10.4#
42	7.6	9.4	14.2#



#41
Tetrahydrofuran
Concen: 0.460 ug/l
RT: 4.66 min Scan# 1084
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion:	42	Resp:	471
Ion	Ratio	Lower	Upper
42	100		
72	18.9	30.6	45.8#
71	0.0	25.2	37.8#





#42

1-Chlorobutane

Concen: 0.457 ug/l

RT: 5.07 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

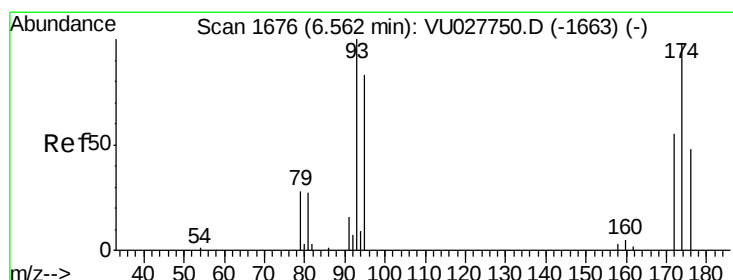
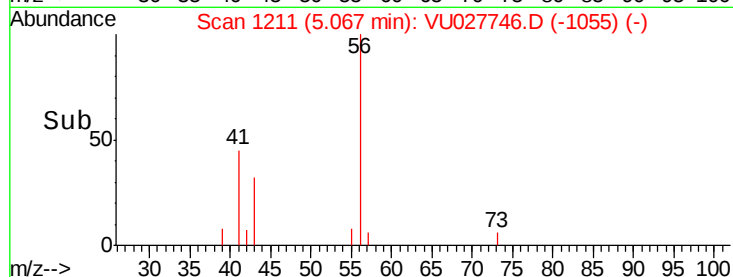
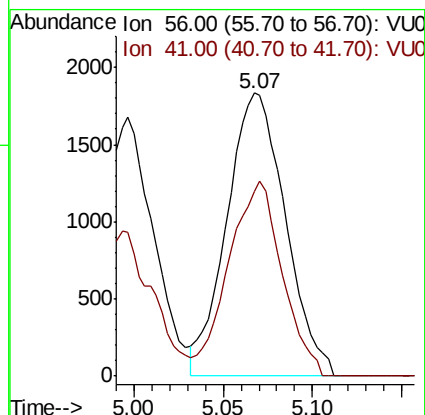
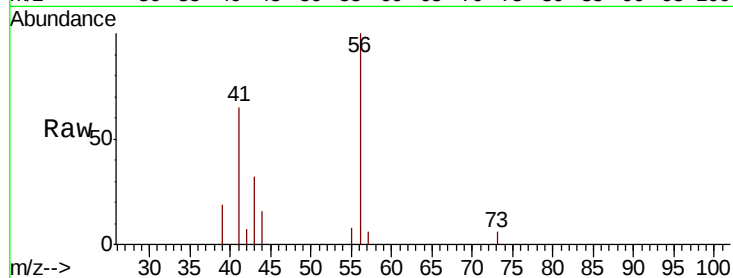
VSTDIC0.5

Tgt Ion: 56 Resp: 4202

Ion Ratio Lower Upper

56 100

41 62.8 29.4 88.2



#43

Dibromomethane

Concen: 0.438 ug/l

RT: 6.57 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

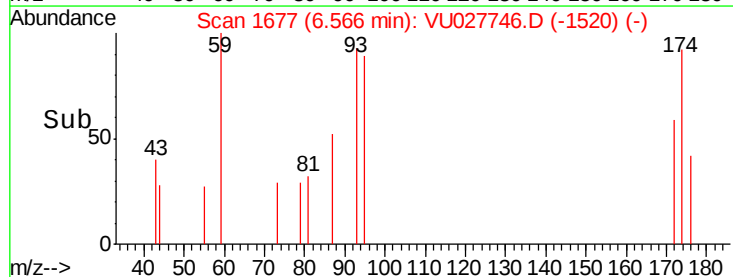
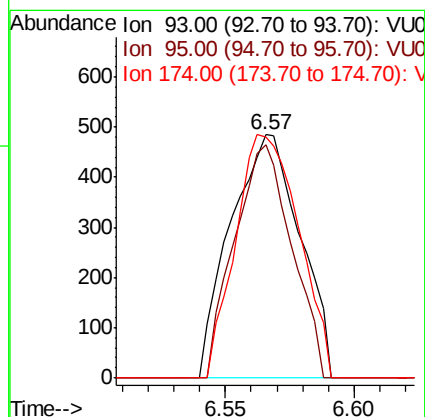
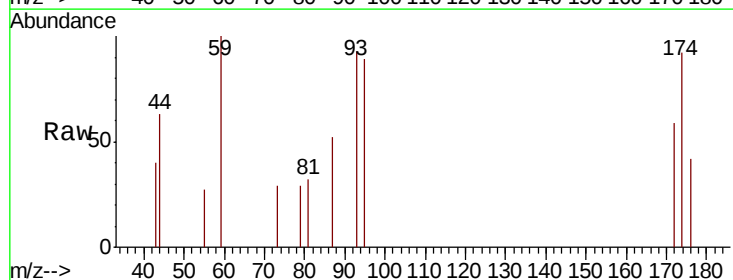
Tgt Ion: 93 Resp: 909

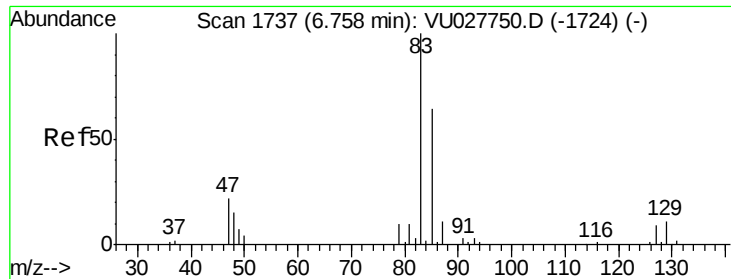
Ion Ratio Lower Upper

93 100

95 79.2 64.2 96.2

174 91.1 76.7 115.1

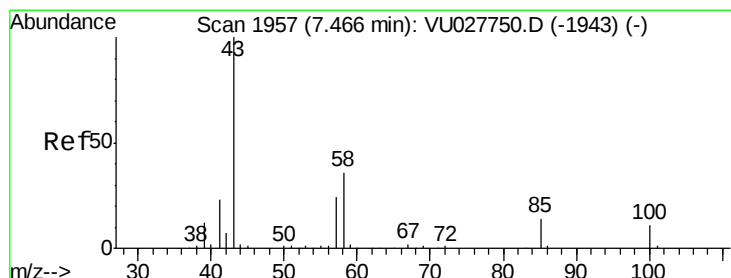
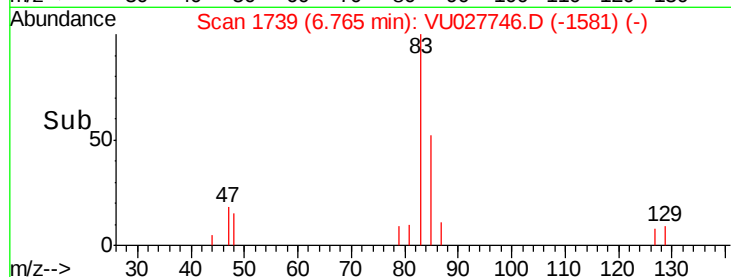
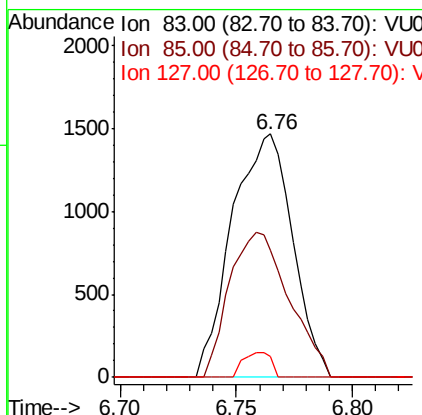
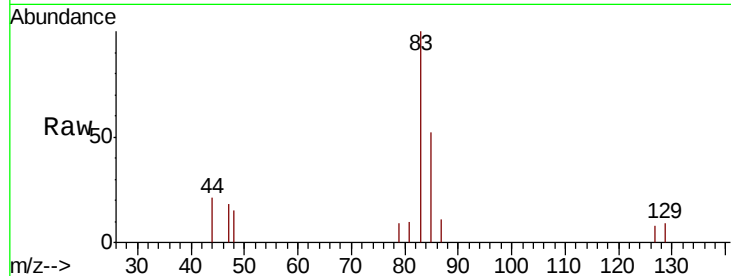




#44
 Bromodichloromethane
 Concen: 0.477 ug/l
 RT: 6.76 min Scan# 1739
 Delta R.T. 0.01 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

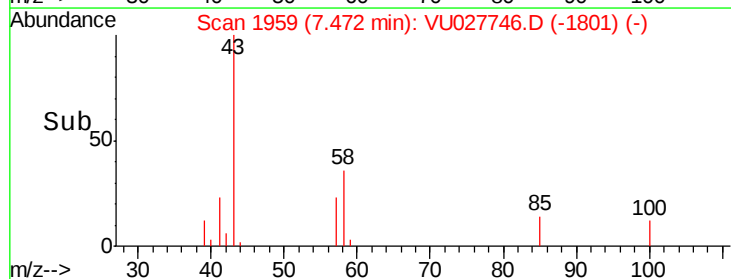
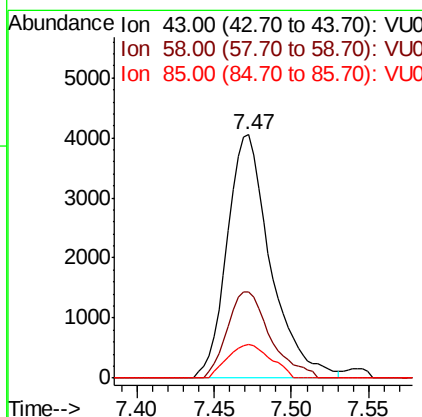
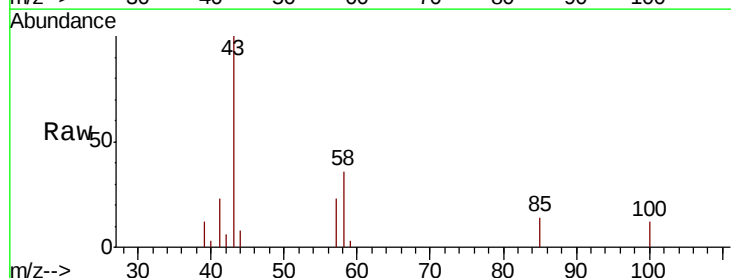
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

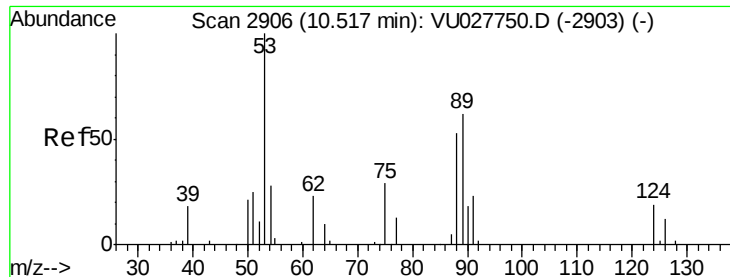
Tgt Ion: 83 Resp: 2657
 Ion Ratio Lower Upper
 83 100
 85 52.1 51.5 77.3
 127 8.4 7.0 10.4



#45
 4-Methyl-2-Pentanone
 Concen: 2.248 ug/l
 RT: 7.47 min Scan# 1959
 Delta R.T. 0.01 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Tgt Ion: 43 Resp: 7894
 Ion Ratio Lower Upper
 43 100
 58 35.1 17.9 53.8
 85 13.7 11.4 17.0

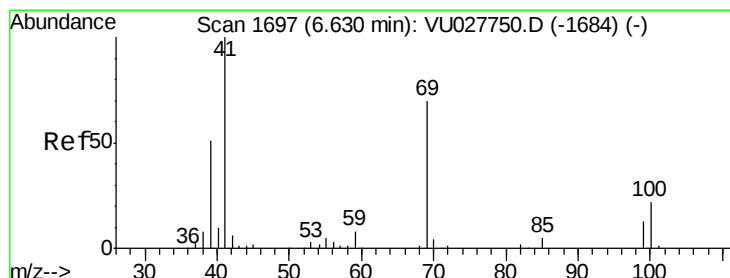
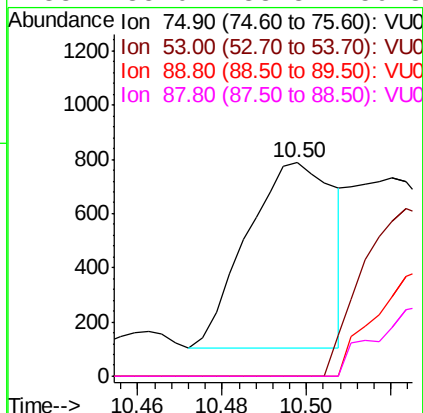
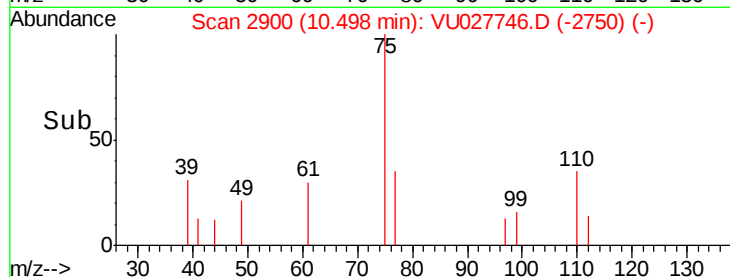
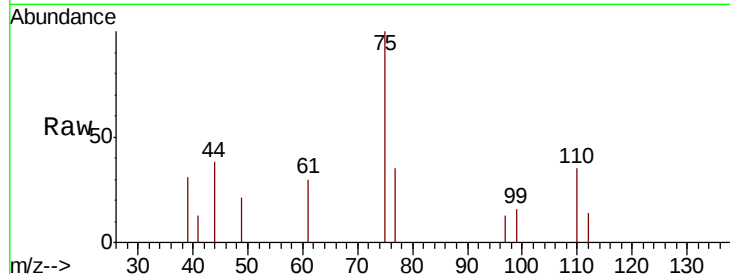




#46
t-1,4-Dichloro-2-butene
Concen: 0.759 ug/l
RT: 10.50 min Scan# 2906
Delta R.T. -0.02 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

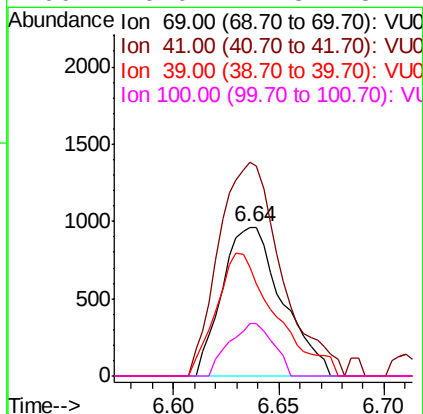
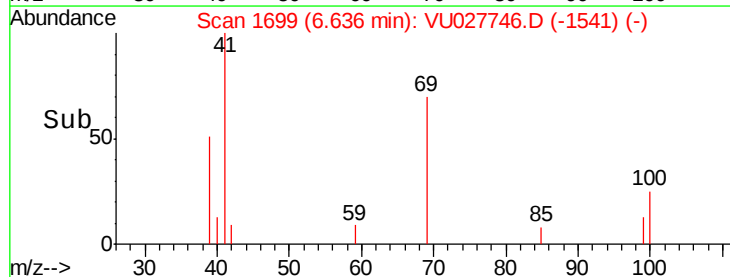
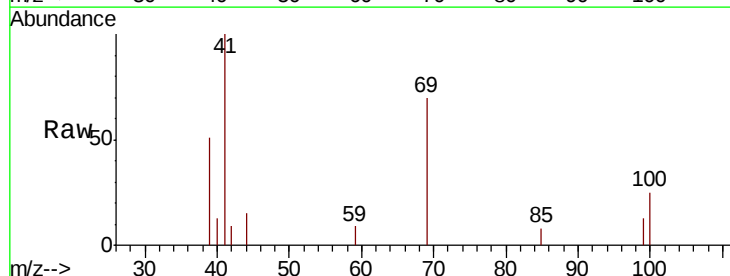
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

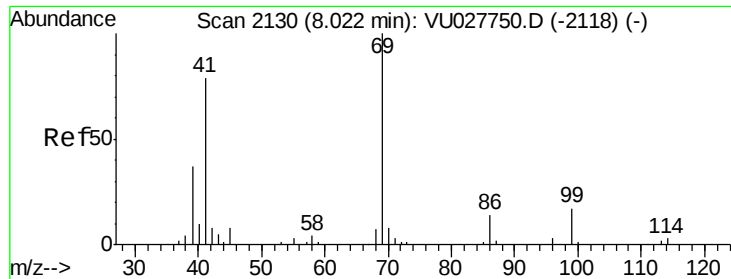
Tgt Ion: 75 Resp: 986
Ion Ratio Lower Upper
75 100
53 94.2 68.2 102.4
89 48.1 41.8 62.6
88 35.0 33.8 50.8



#47
Methyl methacrylate
Concen: 0.831 ug/l
RT: 6.64 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion: 69 Resp: 1906
Ion Ratio Lower Upper
69 100
41 149.8 0.0 281.2
39 81.4 58.6 88.0
100 26.0 24.8 37.2

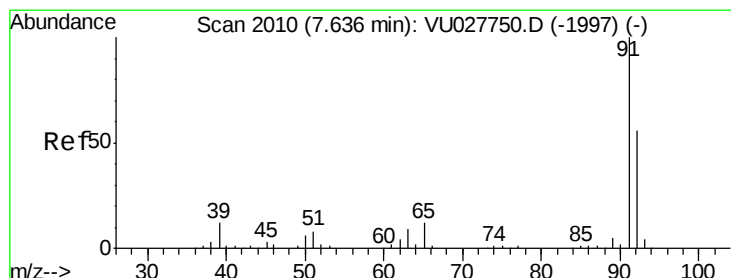
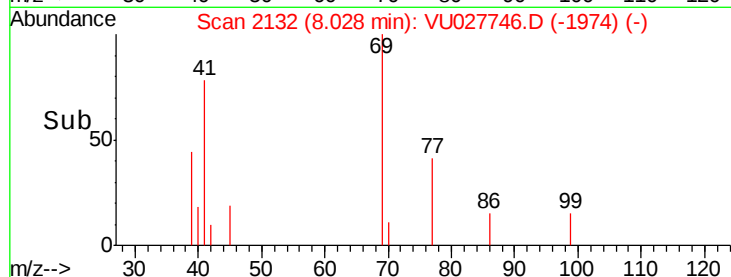
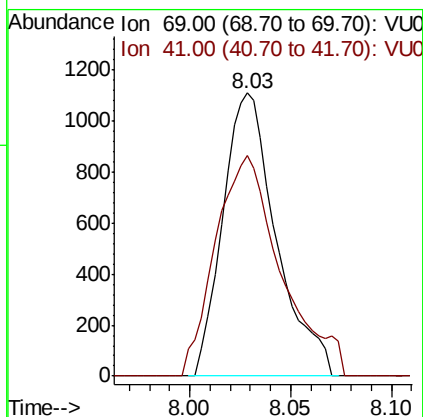
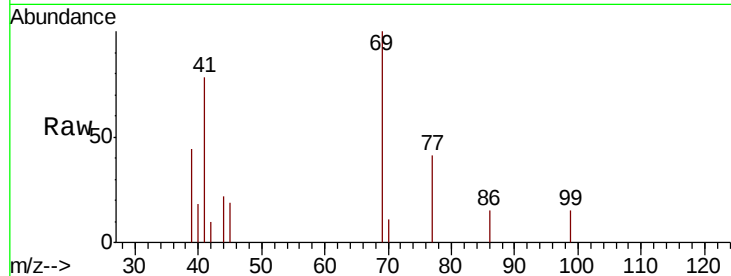




#48
Ethyl methacrylate
Concen: 0.417 ug/l
RT: 8.03 min Scan# 2132
Delta R.T. 0.01 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

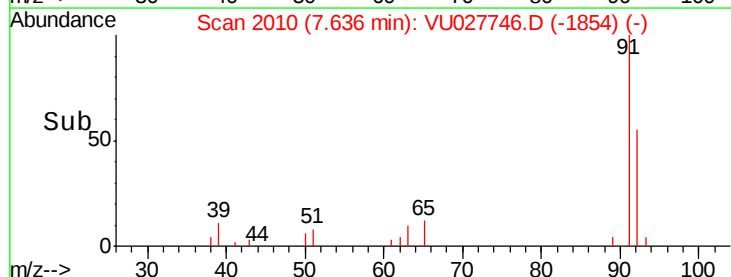
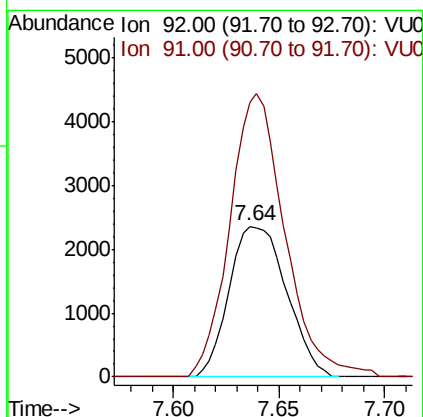
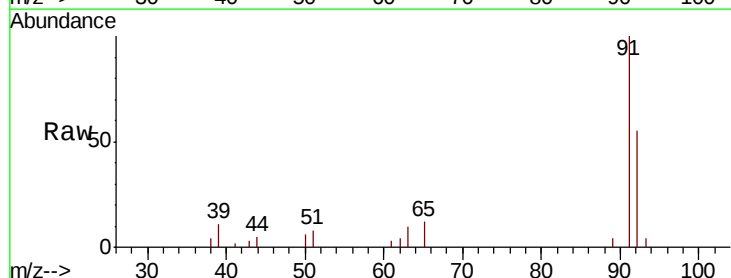
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

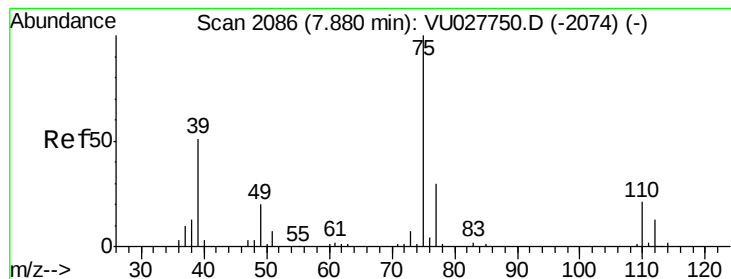
Tgt Ion: 69 Resp: 2049
Ion Ratio Lower Upper
69 100
41 95.6 39.1 117.2



#49
Toluene
Concen: 0.447 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion: 92 Resp: 4471
Ion Ratio Lower Upper
92 100
91 180.4 141.8 212.8





#50

t-1,3-Dichloropropene

Concen: 0.477 ug/l

RT: 7.89 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

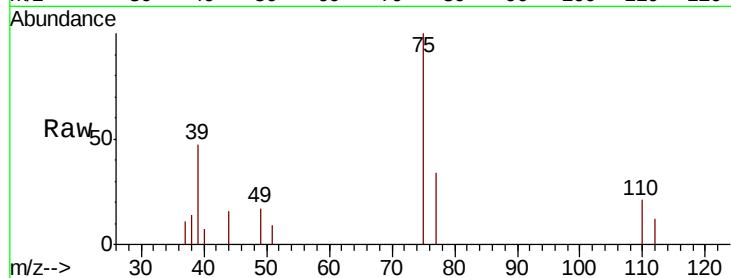
VSTDIC0.5

Tgt Ion: 75 Resp: 2701

Ion Ratio Lower Upper

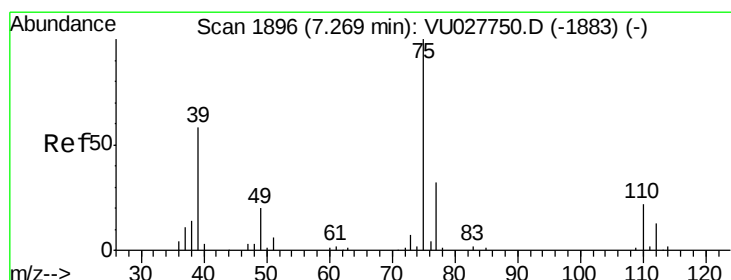
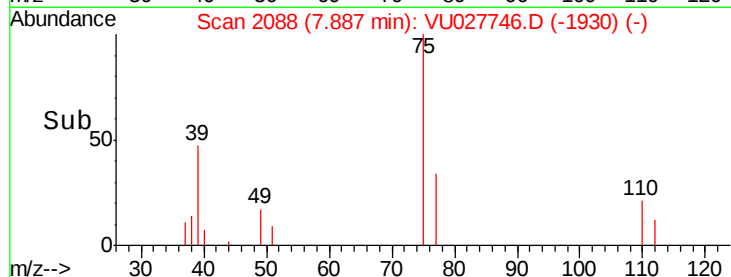
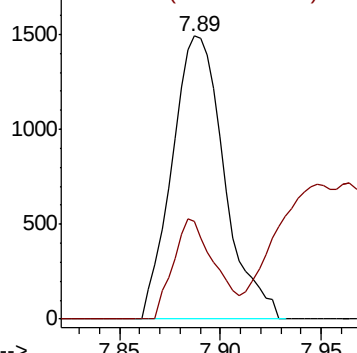
75 100

77 34.3 24.1 36.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#51

cis-1,3-Dichloropropene

Concen: 0.441 ug/l

RT: 7.27 min Scan# 1897

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

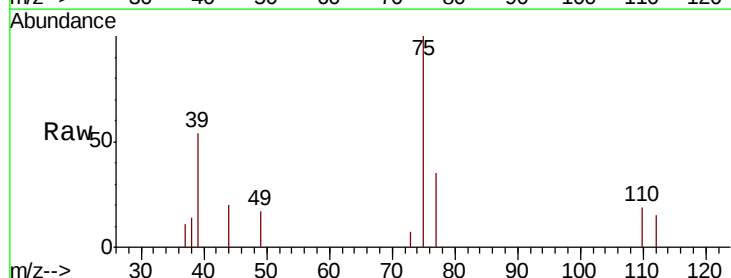
Tgt Ion: 75 Resp: 2960

Ion Ratio Lower Upper

75 100

77 35.1 25.3 37.9

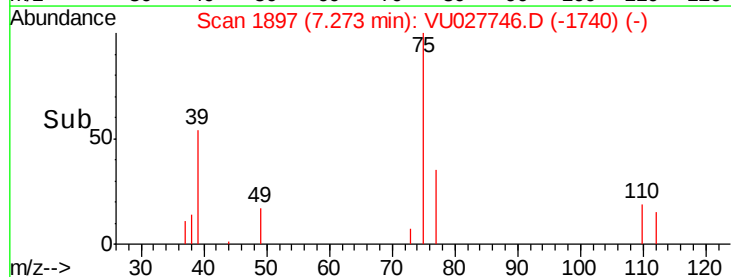
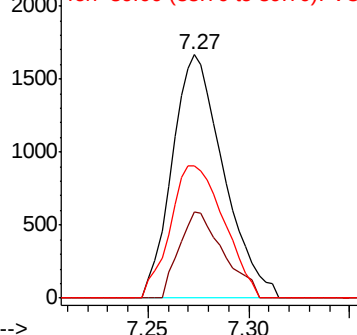
39 54.1 46.4 69.6

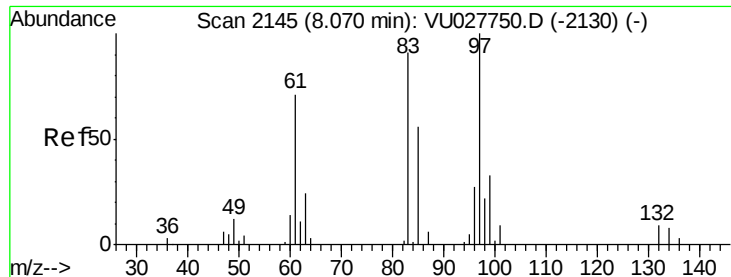


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

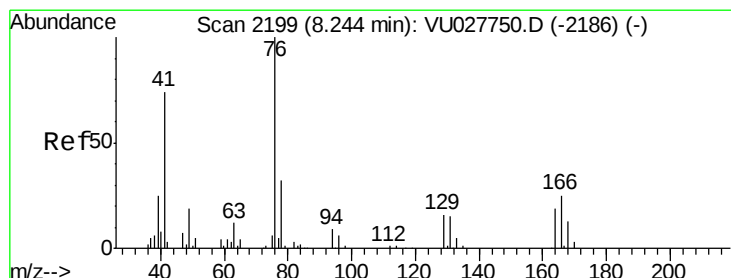
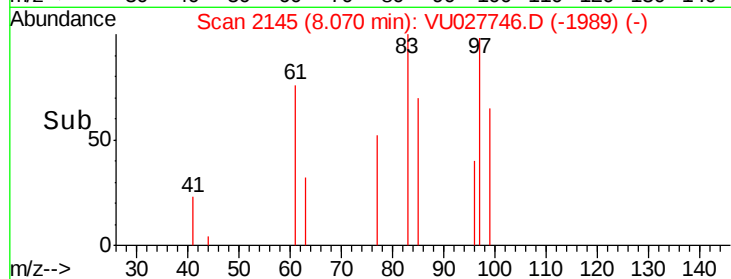
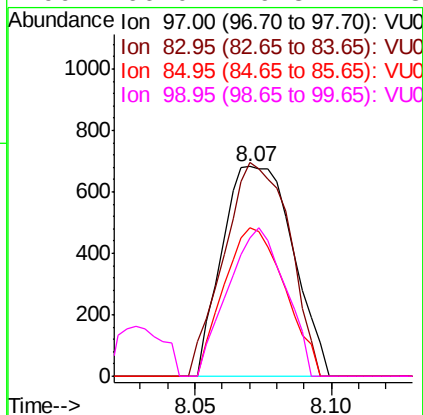
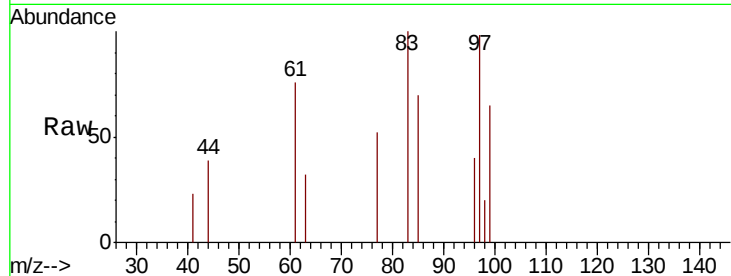




#52
 1,1,2-Trichloroethane
 Concen: 0.418 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

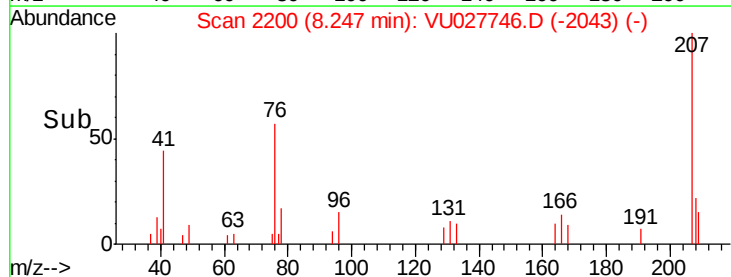
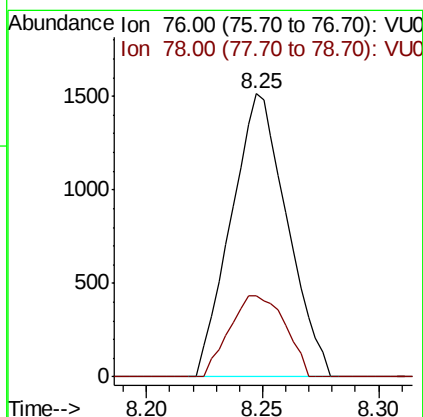
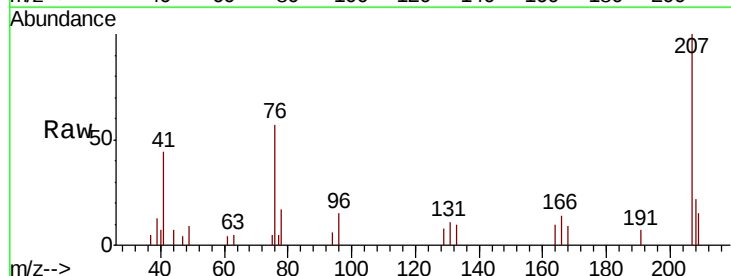
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

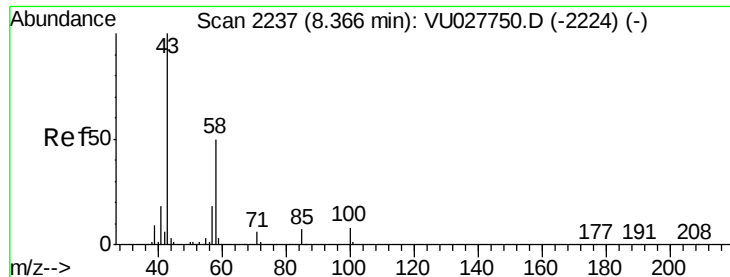
Tgt Ion: 97 Resp: 1227
 Ion Ratio Lower Upper
 97 100
 83 101.9 73.0 109.6
 85 71.1 46.5 69.7#
 99 66.0 49.8 74.8



#53
 1,3-Dichloropropane
 Concen: 0.468 ug/l
 RT: 8.25 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Tgt Ion: 76 Resp: 2538
 Ion Ratio Lower Upper
 76 100
 78 28.4 25.4 38.0

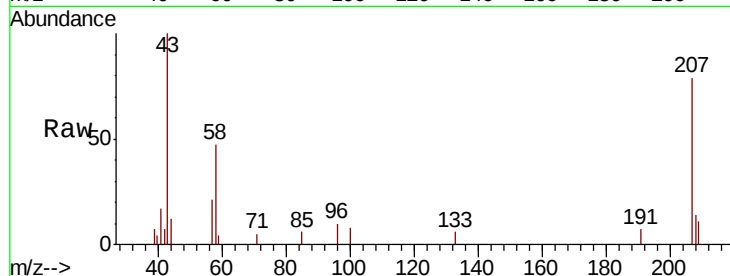




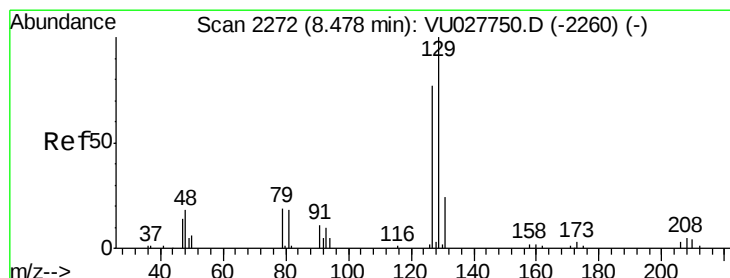
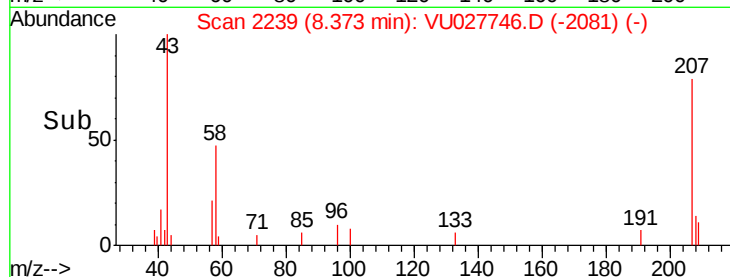
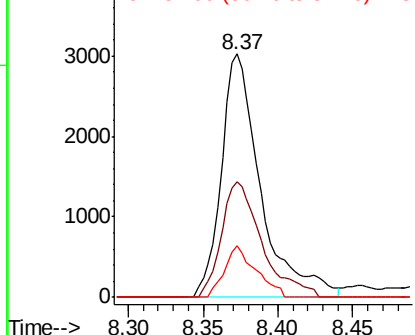
#54
2-Hexanone
Concen: 2.145 ug/l
RT: 8.37 min Scan# 2239
Delta R.T. 0.01 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 5550
Ion Ratio Lower Upper
43 100
58 48.6 30.0 70.0
57 16.8 0.0 37.7

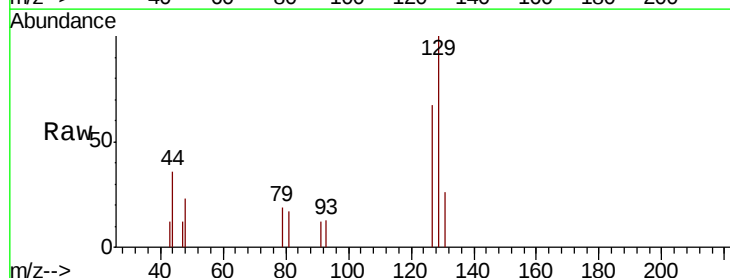


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

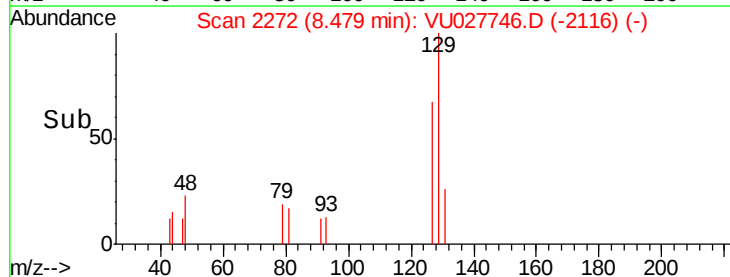
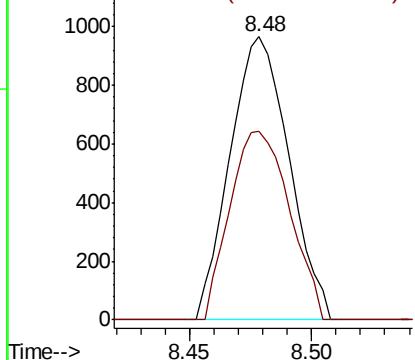


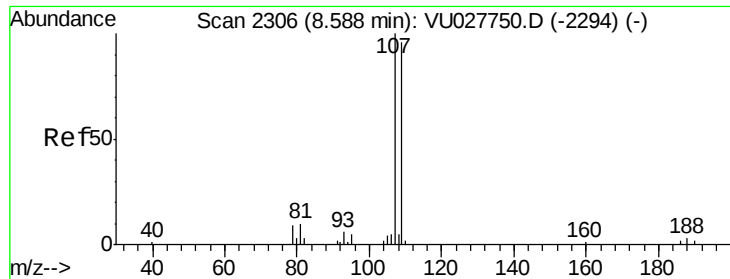
#55
Dibromochloromethane
Concen: 0.453 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion: 129 Resp: 1617
Ion Ratio Lower Upper
129 100
127 67.7 61.9 92.9



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

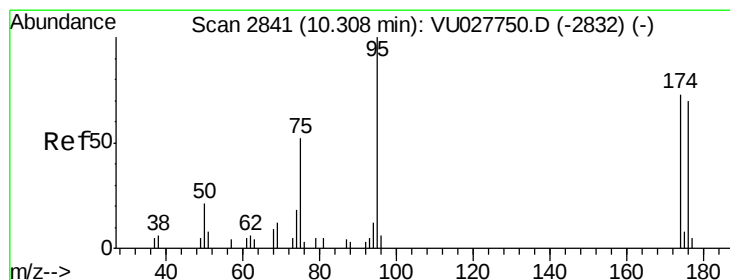
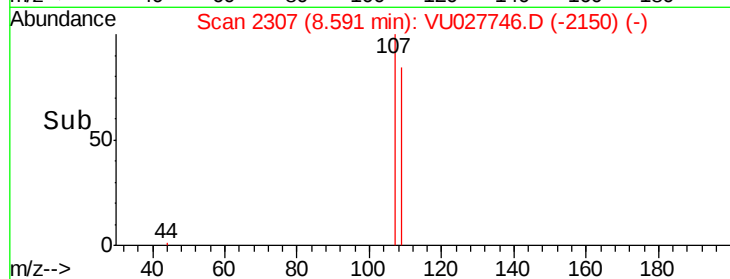
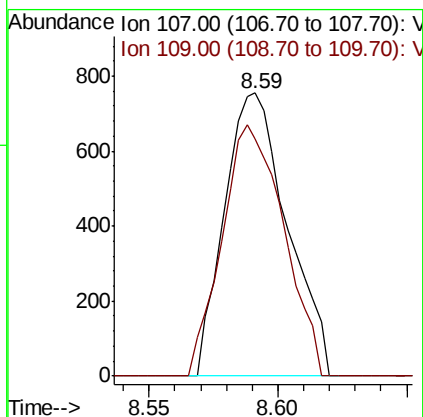
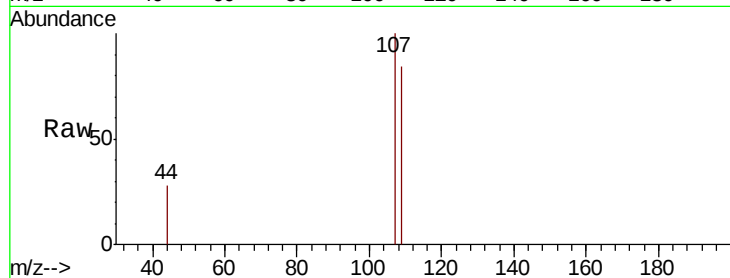




#56
 1,2-Dibromoethane
 Concen: 0.462 ug/l
 RT: 8.59 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

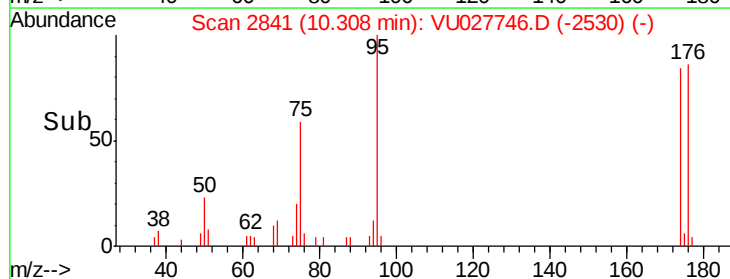
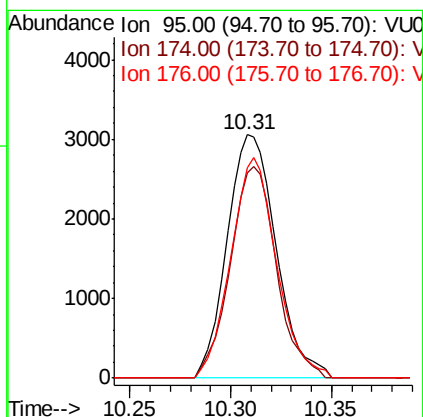
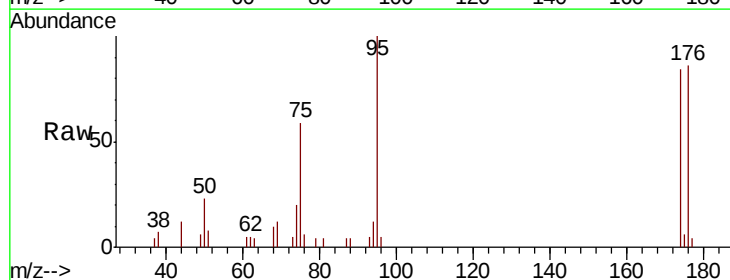
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

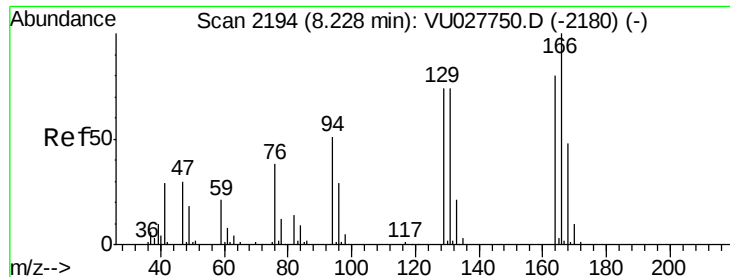
Tgt Ion: 107 Resp: 1281
 Ion Ratio Lower Upper
 107 100
 109 87.2 0.0 188.4



#57
 4-Bromofluorobenzene
 Concen: 0.462 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Tgt Ion: 95 Resp: 5198
 Ion Ratio Lower Upper
 95 100
 174 81.7 64.5 96.7
 176 84.6 58.3 87.5





#58

Tetrachloroethene

Concen: 0.483 ug/l

RT: 8.23 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:164 Resp: 1779

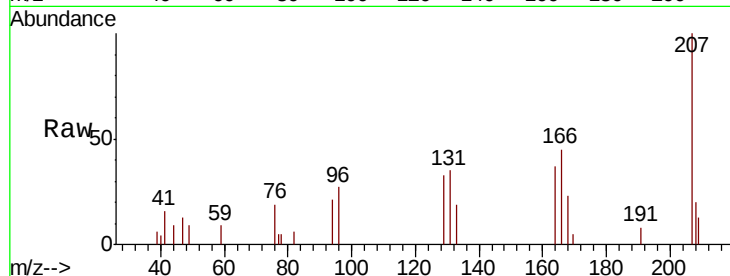
Ion Ratio Lower Upper

164 100

166 121.0 100.2 150.4

129 88.1 73.7 110.5

131 93.1 73.8 110.6

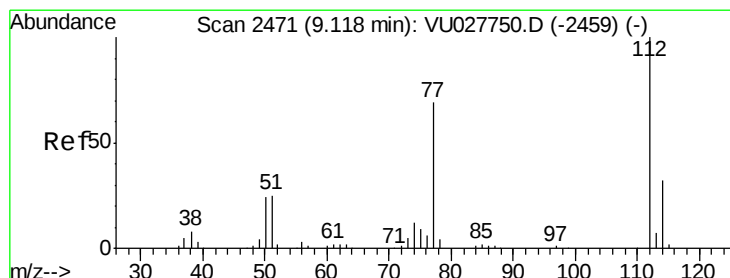
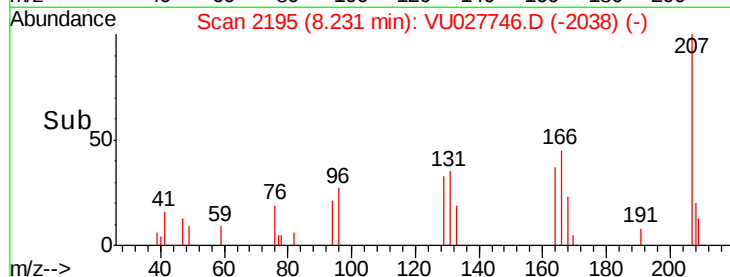
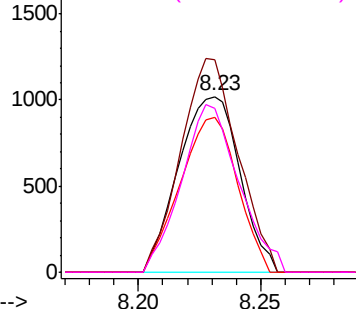


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#59

Chlorobenzene

Concen: 0.457 ug/l

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU027746.D

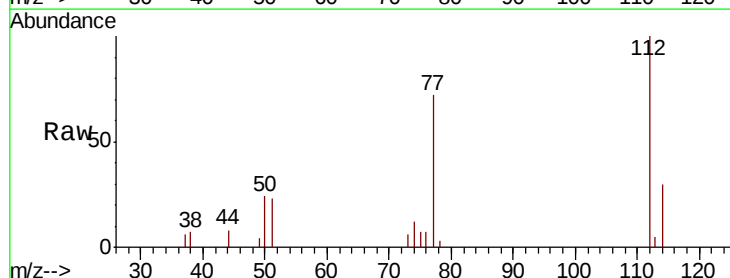
Acq: 22 Oct 2018 17:32

Tgt Ion:112 Resp: 4788

Ion Ratio Lower Upper

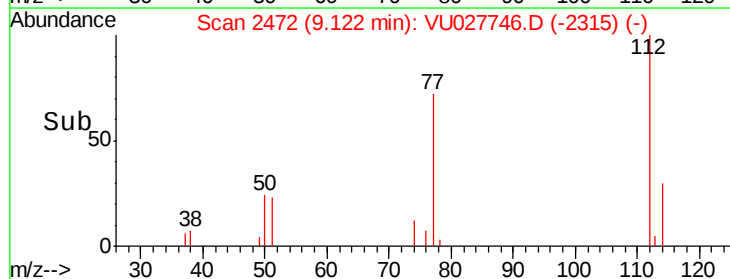
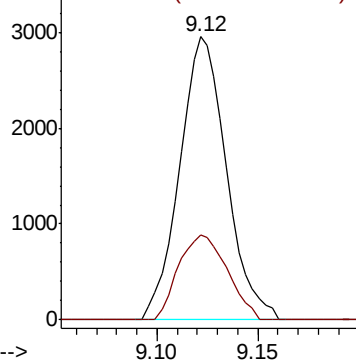
112 100

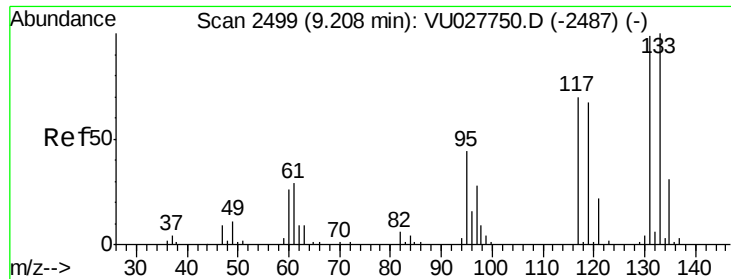
114 29.8 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

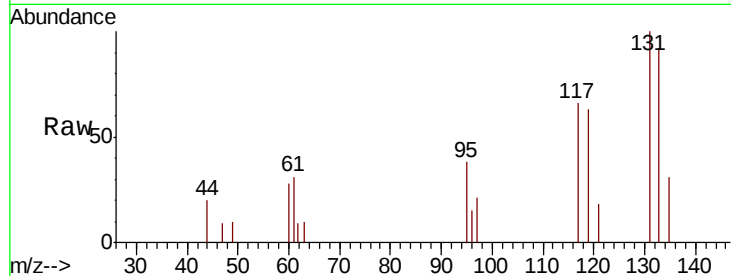




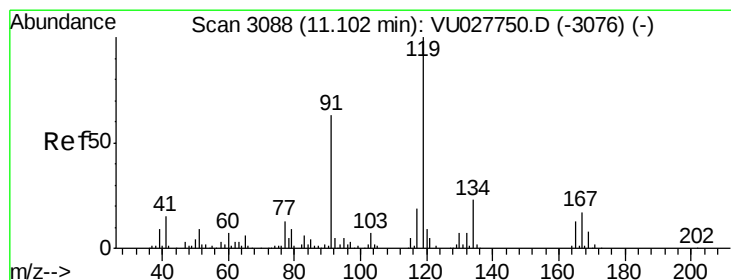
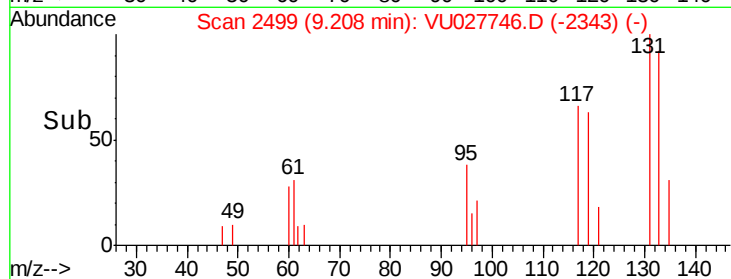
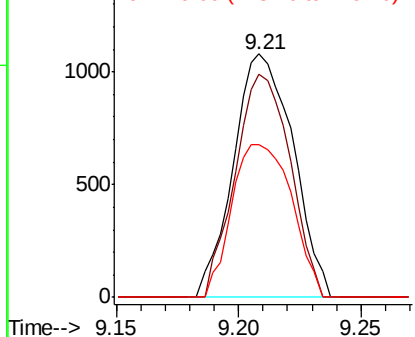
#60
 1,1,1,2-Tetrachloroethane
 Concen: 0.482 ug/l
 RT: 9.21 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:131 Resp: 1829
 Ion Ratio Lower Upper
 131 100
 133 84.4 77.5 116.3
 119 63.3 52.0 78.0

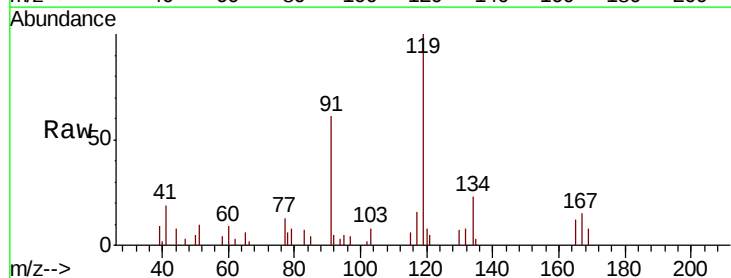


Abundance Ion 131.00 (130.70 to 131.70): V
 Ion 133.00 (132.70 to 133.70): V
 Ion 119.00 (118.70 to 119.70): V

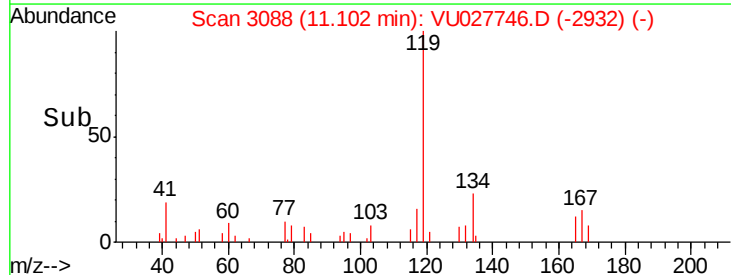
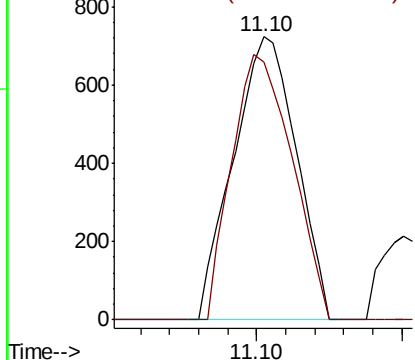


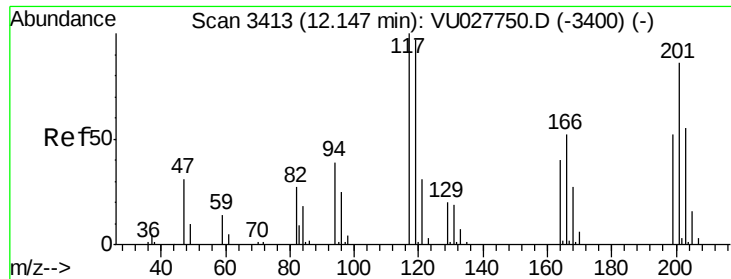
#61
 Pentachloroethane
 Concen: 0.371 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Tgt Ion:117 Resp: 1091
 Ion Ratio Lower Upper
 117 100
 167 89.8 70.1 105.1



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 166.70 (166.40 to 167.40): V





#62

Hexachloroethane

Concen: 0.416 ug/l

RT: 12.15 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

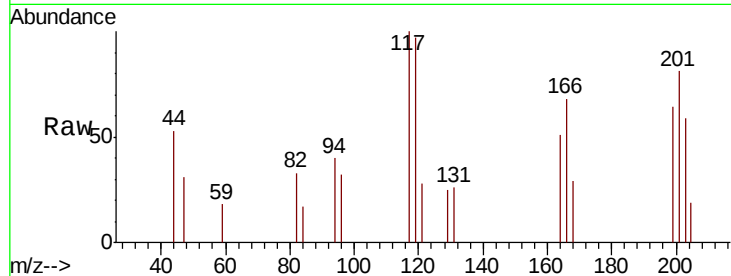
VSTDIC0.5

Tgt Ion: 117 Resp: 1317

Ion Ratio Lower Upper

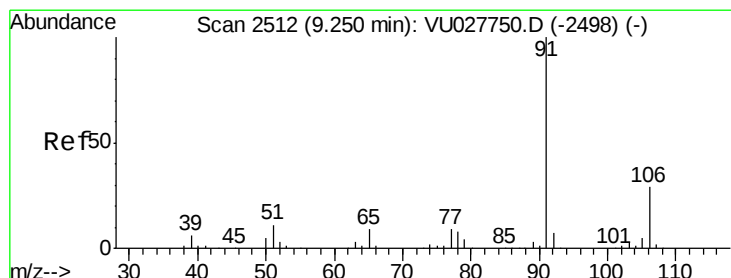
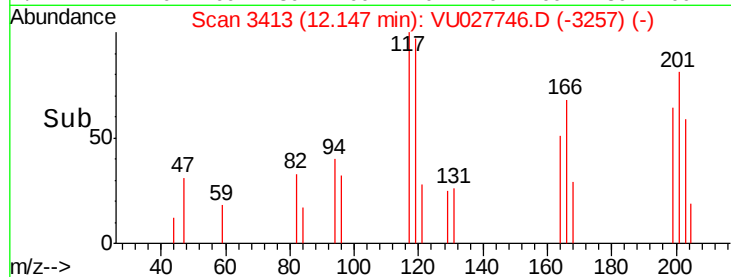
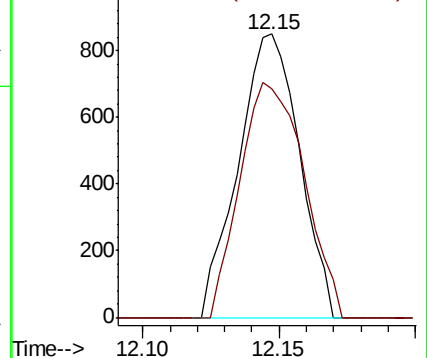
117 100

201 87.2 66.0 99.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V



#63

Ethyl Benzene

Concen: 0.464 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027746.D

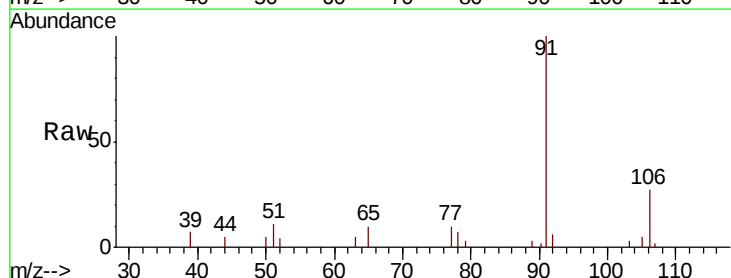
Acq: 22 Oct 2018 17:32

Tgt Ion: 91 Resp: 8976

Ion Ratio Lower Upper

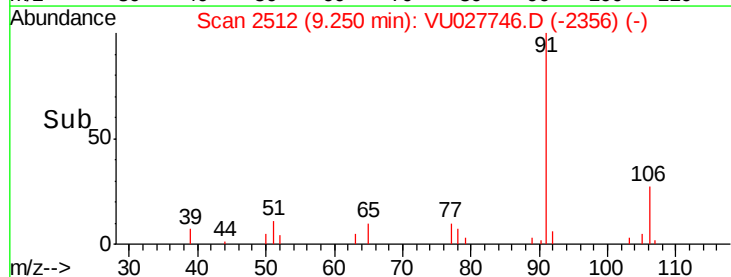
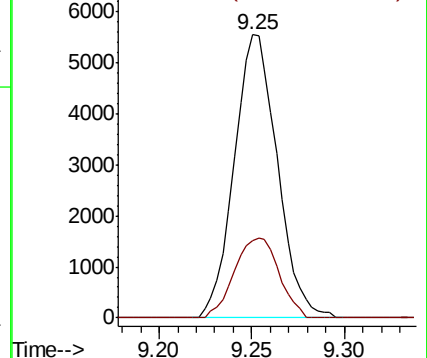
91 100

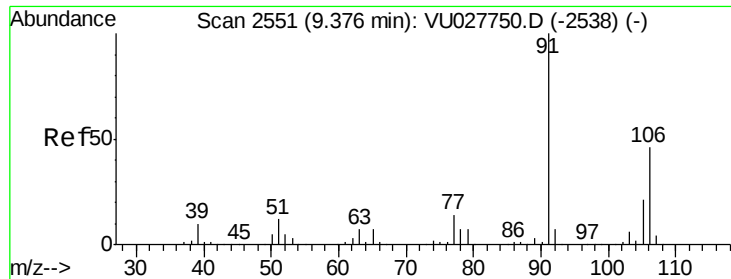
106 27.3 23.5 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

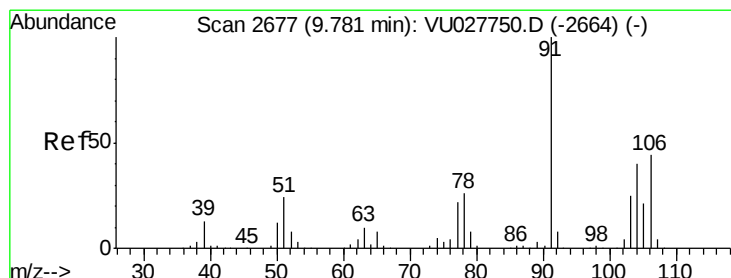
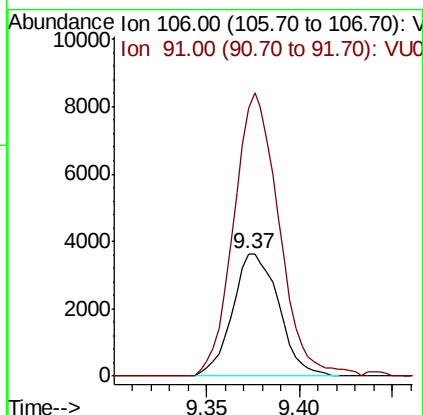
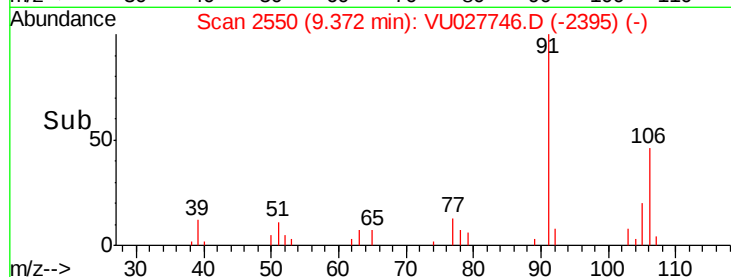
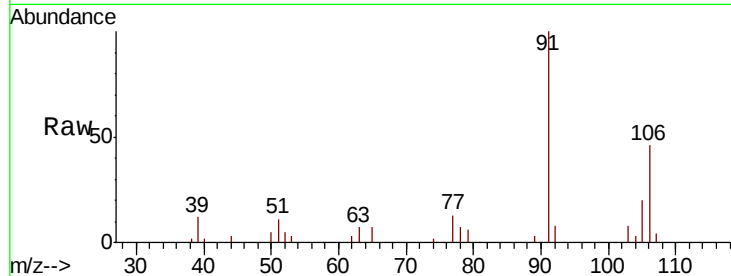




#64
m/p-Xylenes
Concen: 0.894 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

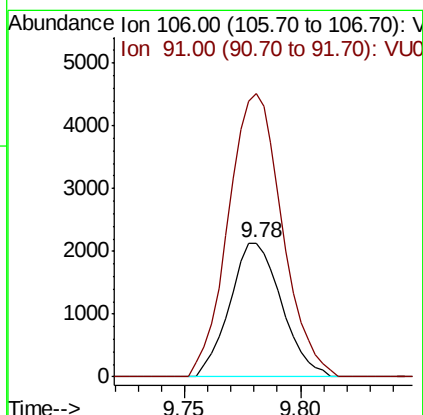
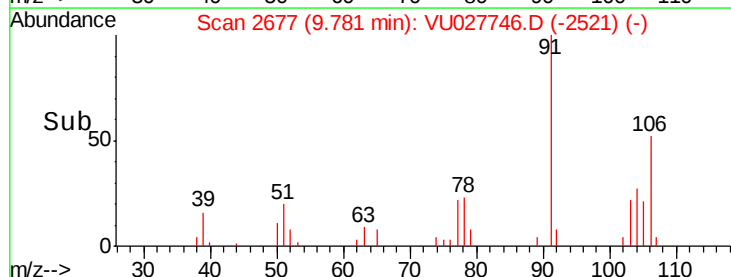
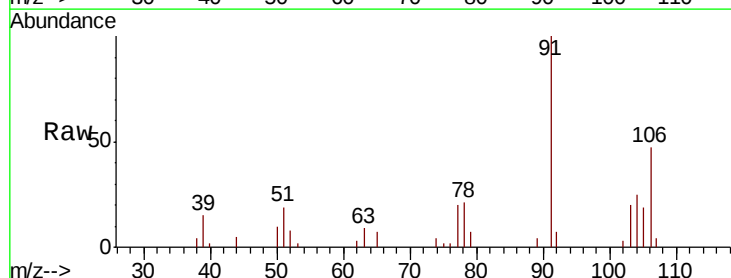
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

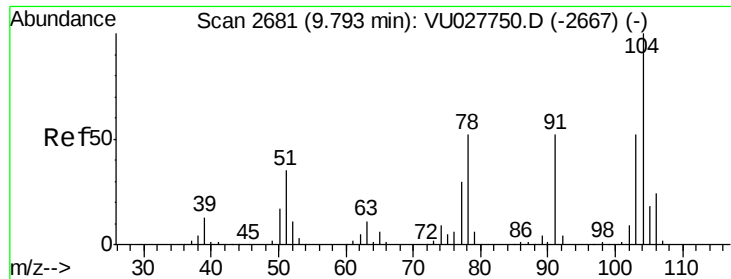
Tgt Ion:106 Resp: 6329
Ion Ratio Lower Upper
106 100
91 225.9 173.3 259.9



#65
o-Xylene
Concen: 0.469 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion:106 Resp: 3314
Ion Ratio Lower Upper
106 100
91 219.1 113.4 340.2

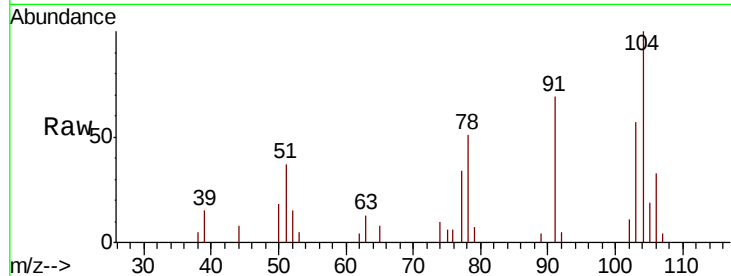




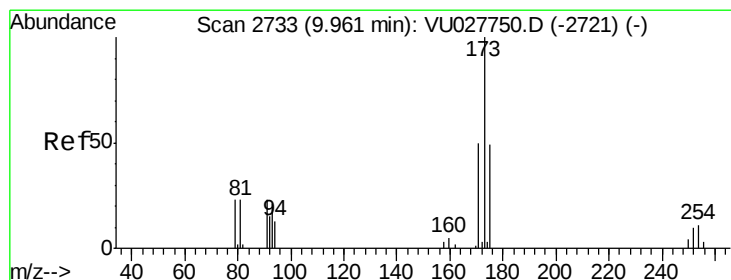
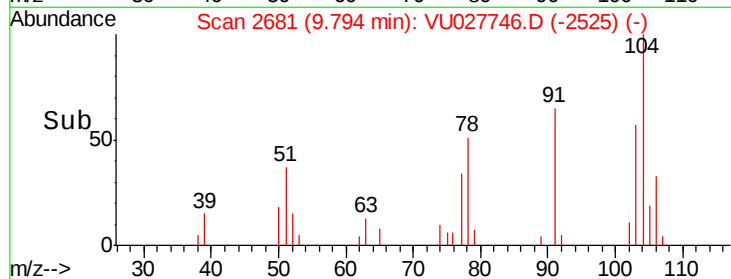
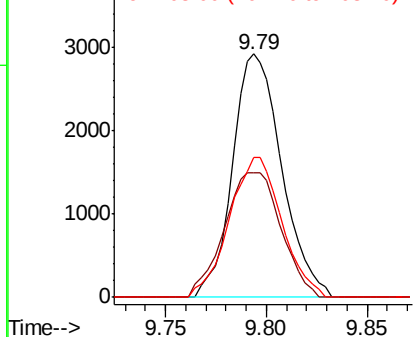
#66
Styrene
Concen: 0.426 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:104 Resp: 4984
Ion Ratio Lower Upper
104 100
78 58.9 45.2 67.8
103 61.3 44.8 67.2

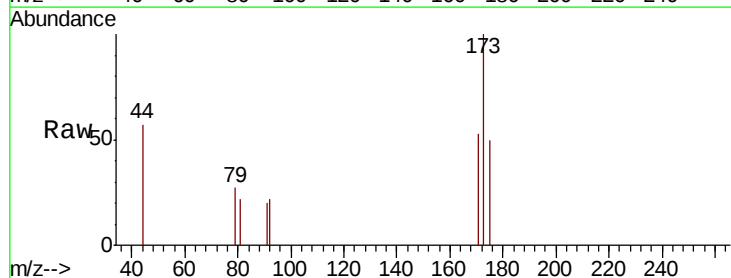


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V

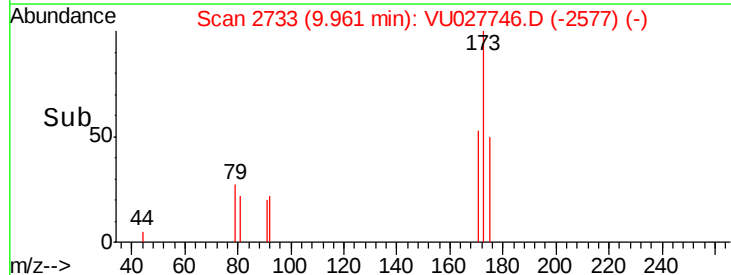
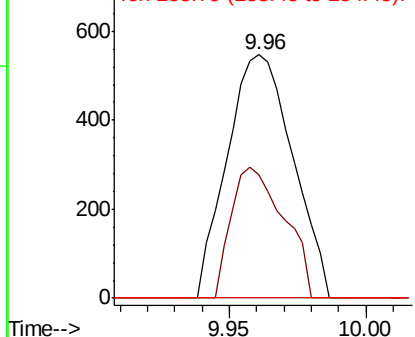


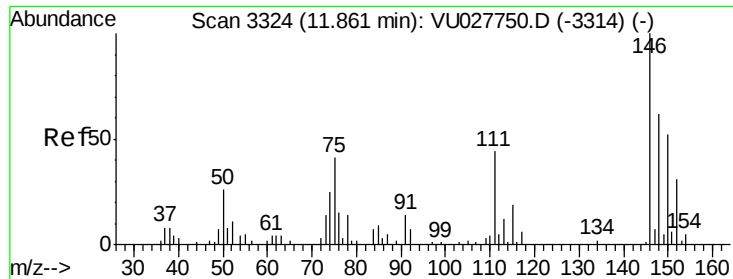
#67
Bromoform
Concen: 0.441 ug/l
RT: 9.96 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion:173 Resp: 913
Ion Ratio Lower Upper
173 100
175 43.6 39.6 59.4
254 0.0 7.8 11.6#



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

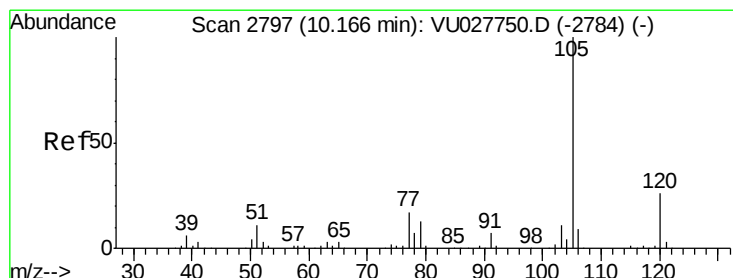
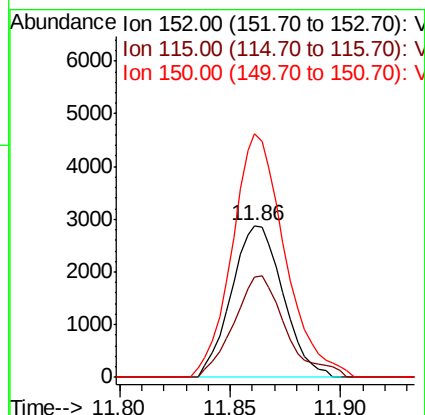
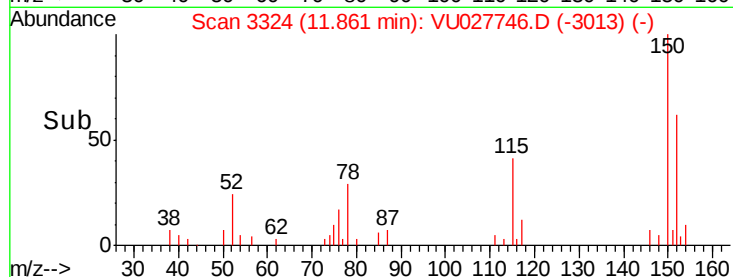
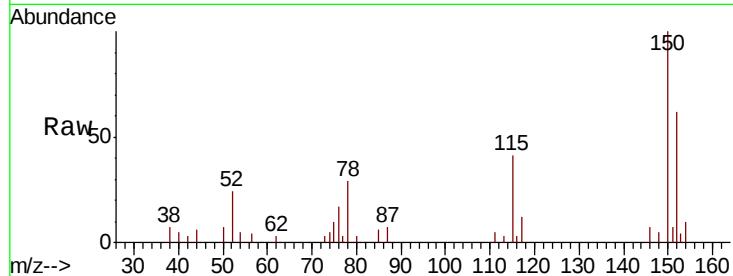




#68
 1,2-Dichlorobenzene-d4
 Concen: 0.441 ug/l
 RT: 11.86 min Scan# 3324
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

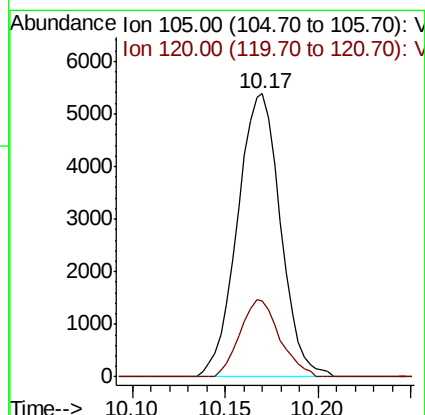
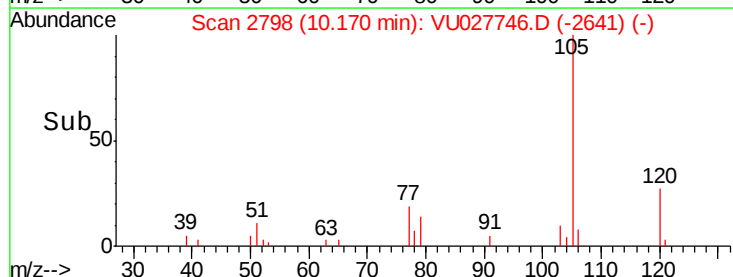
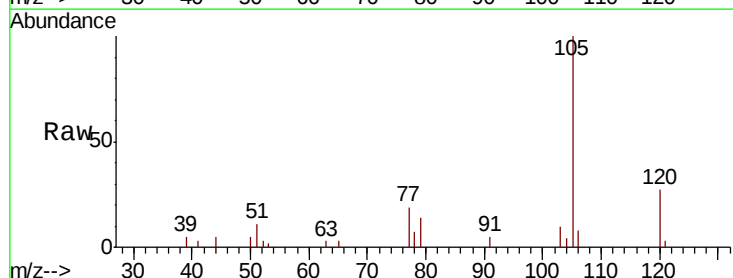
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

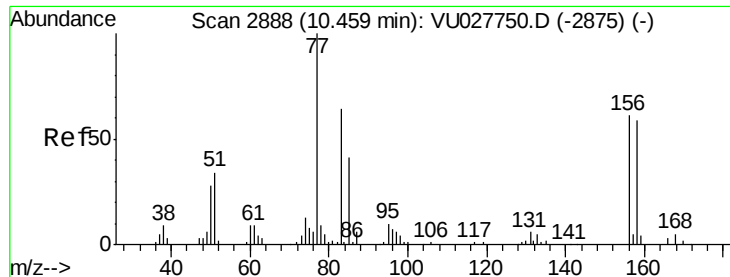
Tgt Ion:152 Resp: 4671
 Ion Ratio Lower Upper
 152 100
 115 67.5 0.0 130.2
 150 164.2 0.0 650.6



#69
 Isopropylbenzene
 Concen: 0.459 ug/l
 RT: 10.17 min Scan# 2798
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Tgt Ion:105 Resp: 8679
 Ion Ratio Lower Upper
 105 100
 120 25.2 12.8 38.3

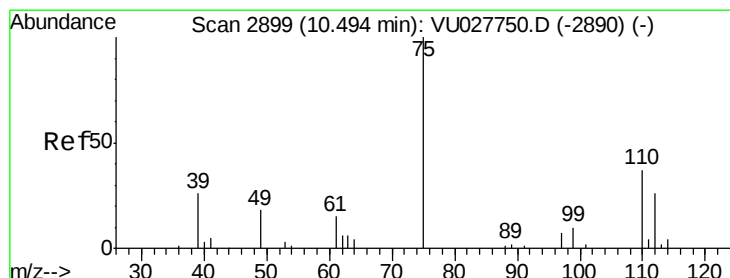
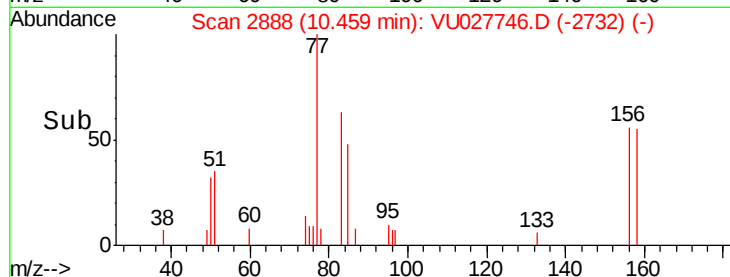
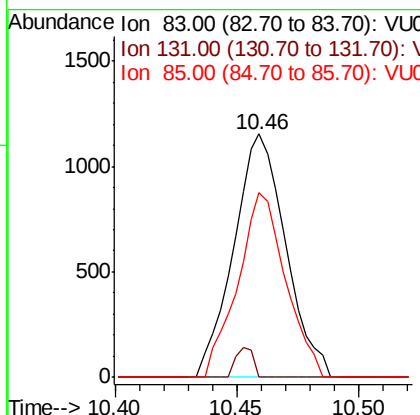
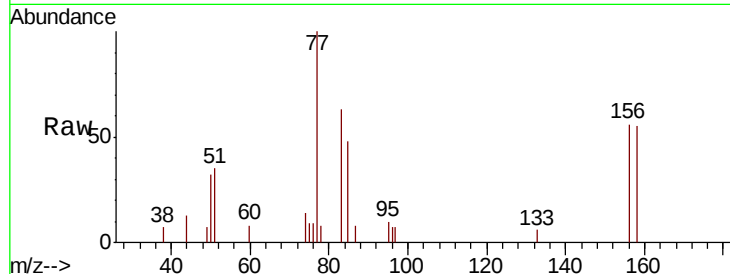




#70
 1,1,2,2-Tetrachloroethane
 Concen: 0.446 ug/l
 RT: 10.46 min Scan# 2888
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

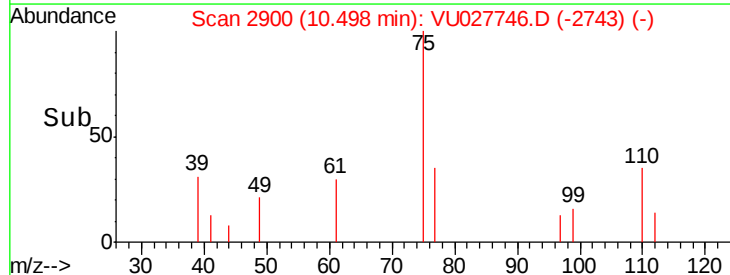
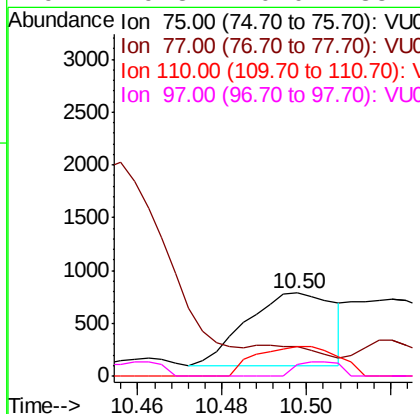
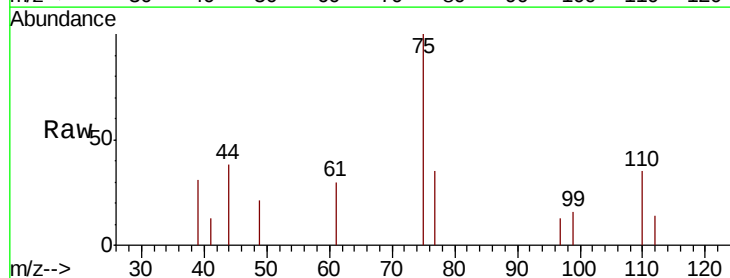
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

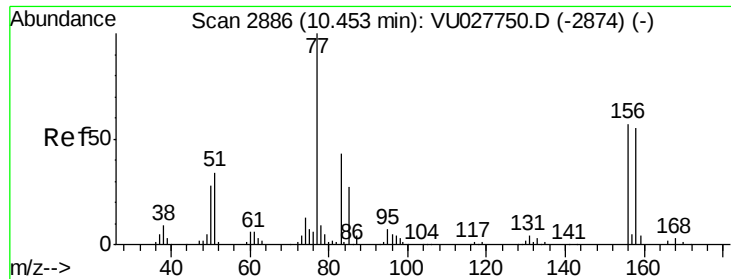
Tgt Ion: 83 Resp: 1700
 Ion Ratio Lower Upper
 83 100
 131 4.2 7.7 11.5#
 85 69.8 51.2 76.8



#71
 1,2,3-Trichloropropane
 Concen: 0.333 ug/l
 RT: 10.50 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Tgt Ion: 75 Resp: 986
 Ion Ratio Lower Upper
 75 100
 77 43.5 0.0 0.0#
 110 38.3 0.0 68.2
 97 9.8 0.0 35.2





#72

Bromobenzene

Concen: 0.423 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

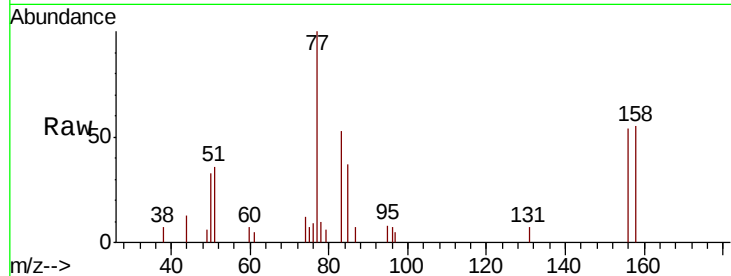
Tgt Ion:156 Resp: 1788

Ion Ratio Lower Upper

156 100

77 198.4 0.0 349.4

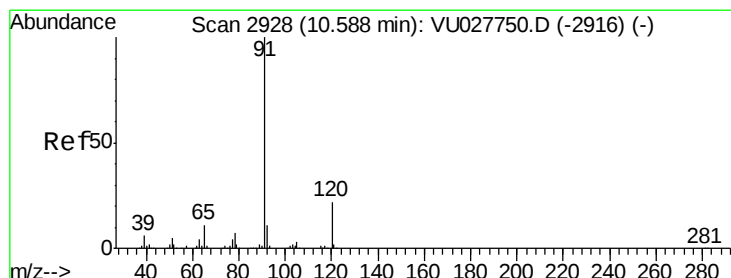
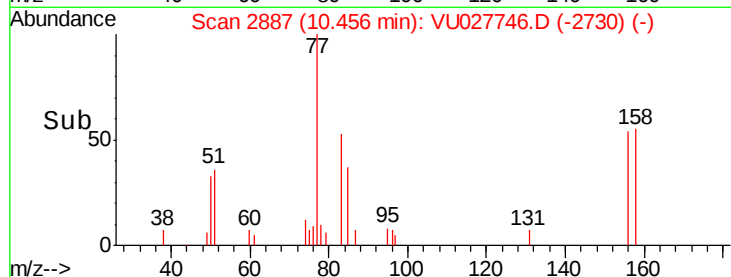
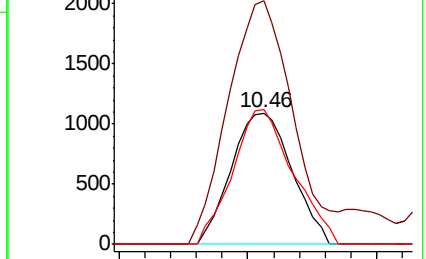
158 102.1 0.0 191.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V



#73

n-propylbenzene

Concen: 0.448 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VU027746.D

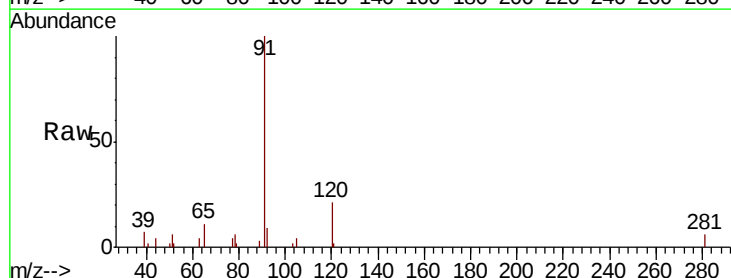
Acq: 22 Oct 2018 17:32

Tgt Ion:120 Resp: 2170

Ion Ratio Lower Upper

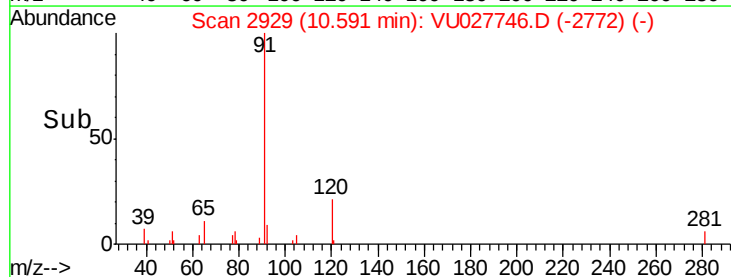
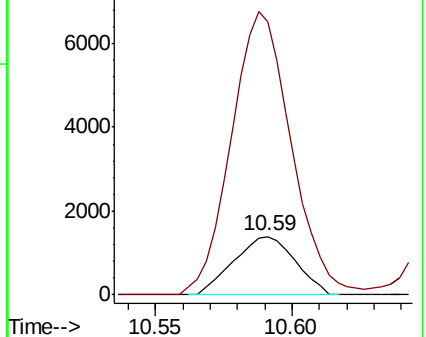
120 100

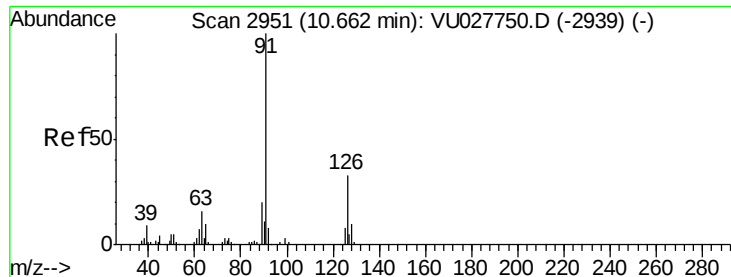
91 475.1 369.0 553.6



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0





#74

2-Chlorotoluene

Concen: 0.450 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

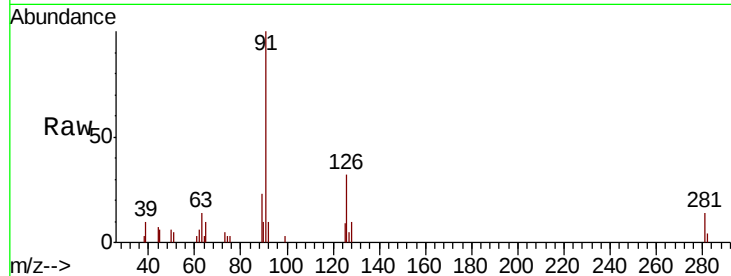
VSTDIC0.5

Tgt Ion:126 Resp: 1948

Ion Ratio Lower Upper

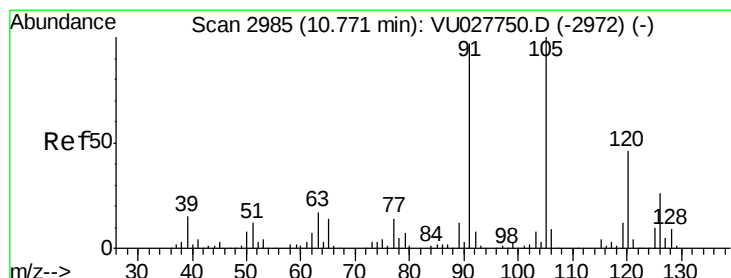
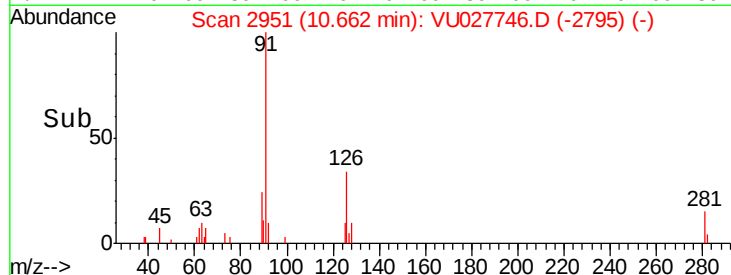
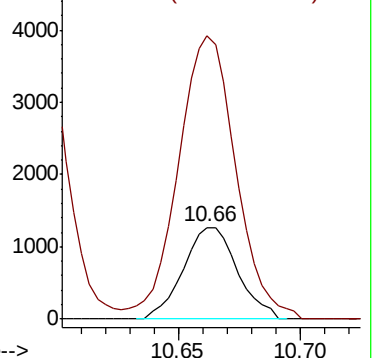
126 100

91 329.6 0.0 628.8



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: 0.456 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU027746.D

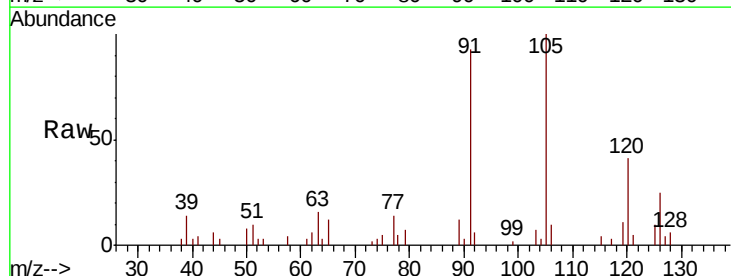
Acq: 22 Oct 2018 17:32

Tgt Ion:105 Resp: 7196

Ion Ratio Lower Upper

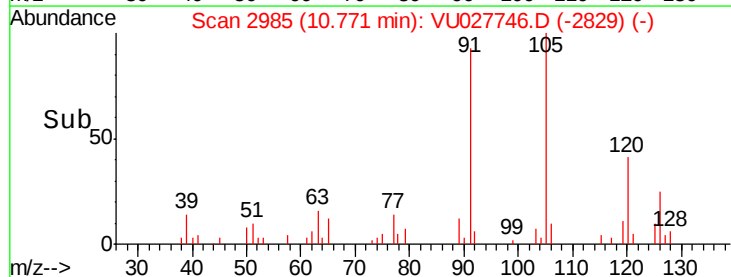
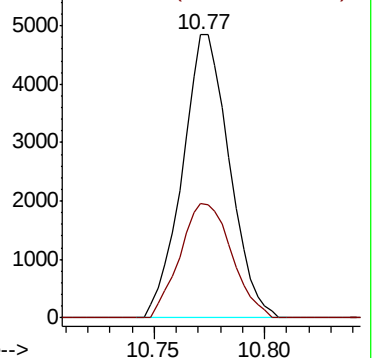
105 100

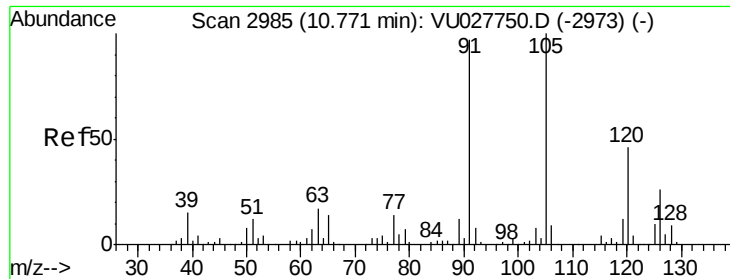
120 44.2 37.2 55.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

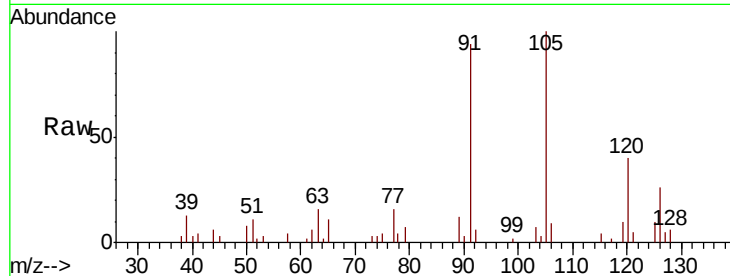




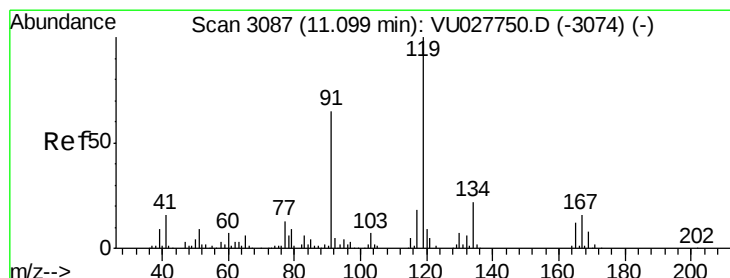
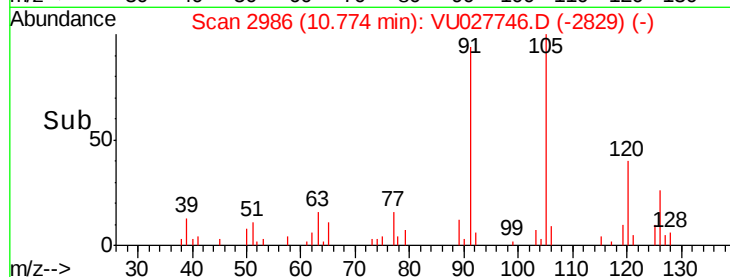
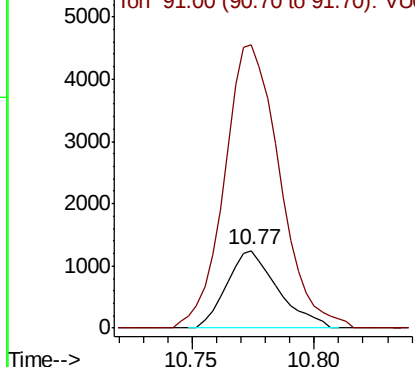
#76
4-Chlorotoluene
Concen: 0.435 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:126 Resp: 1815
Ion Ratio Lower Upper
126 100
91 396.2 0.0 734.4

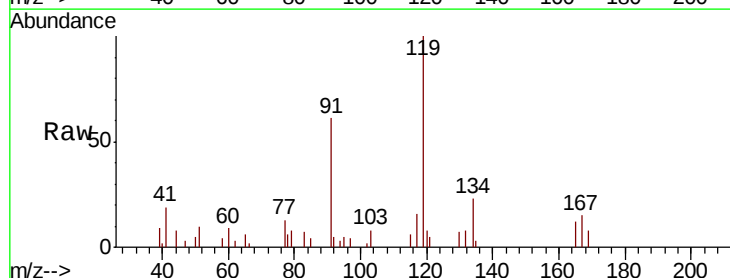


Abundance Ion 126.00 (125.70 to 126.70): V
Ion 91.00 (90.70 to 91.70): VU0

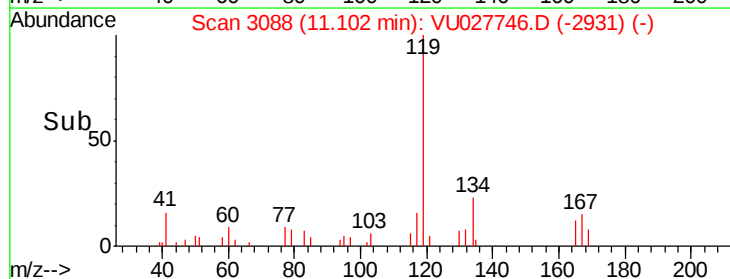
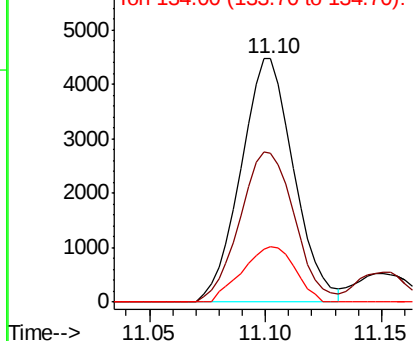


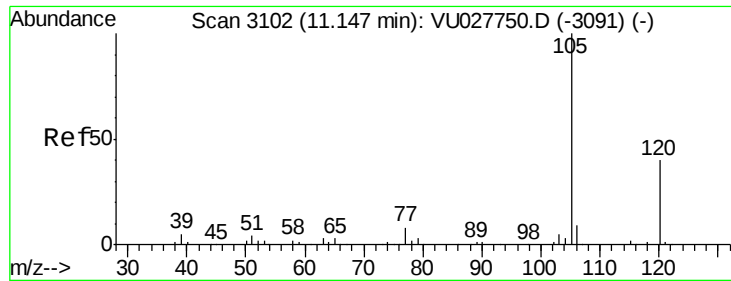
#77
tert-Butylbenzene
Concen: 0.455 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion:119 Resp: 7115
Ion Ratio Lower Upper
119 100
91 63.7 31.8 95.4
134 22.6 17.7 26.5



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

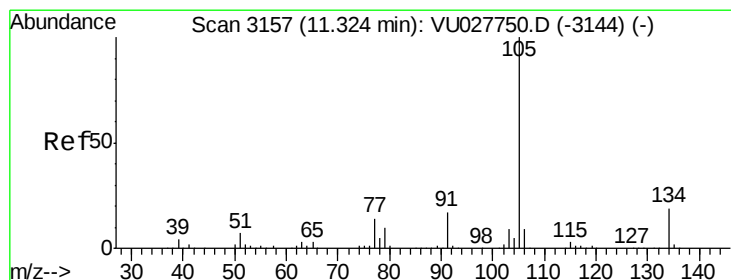
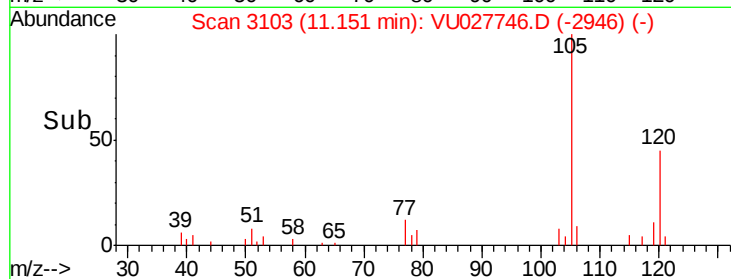
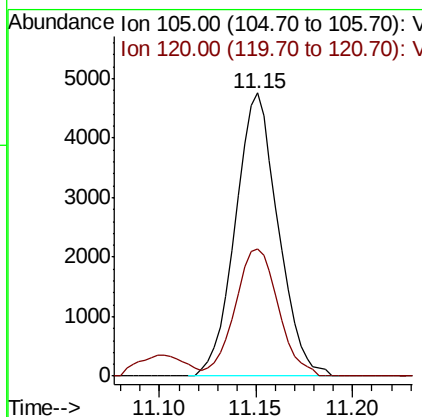
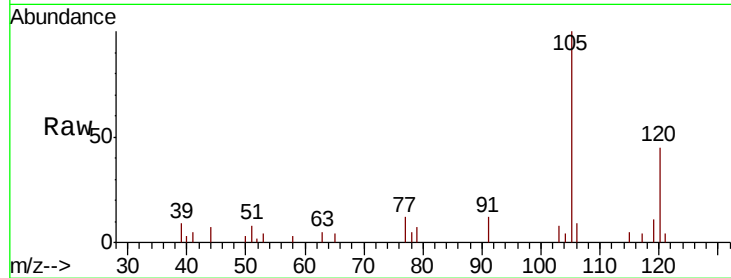




#78
 1,2,4-Trimethylbenzene
 Concen: 0.449 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

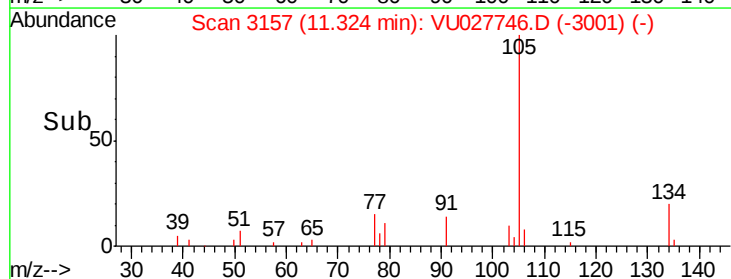
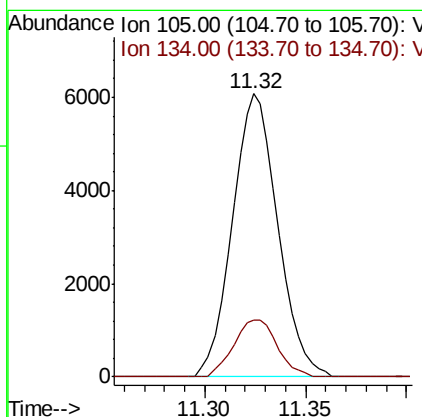
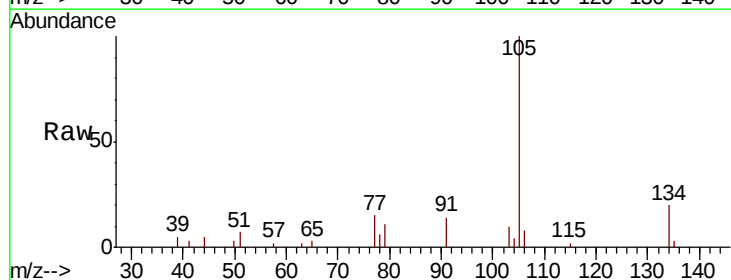
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

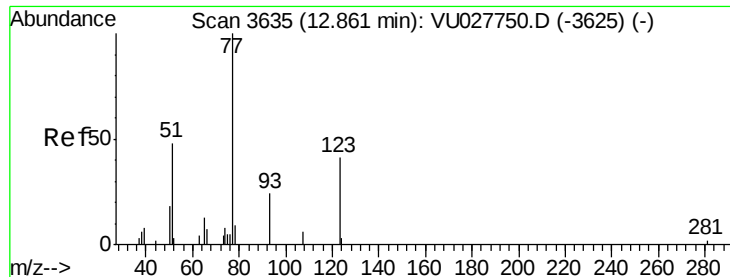
Tgt Ion:105 Resp: 7304
 Ion Ratio Lower Upper
 105 100
 120 45.6 21.6 64.6



#79
 sec-Butylbenzene
 Concen: 0.476 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Tgt Ion:105 Resp: 9535
 Ion Ratio Lower Upper
 105 100
 134 19.4 15.2 22.8





#80

Nitrobenzene

Concen: 0.226 ug/l

RT: 12.87 min Scan# 3639

Delta R.T. 0.01 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

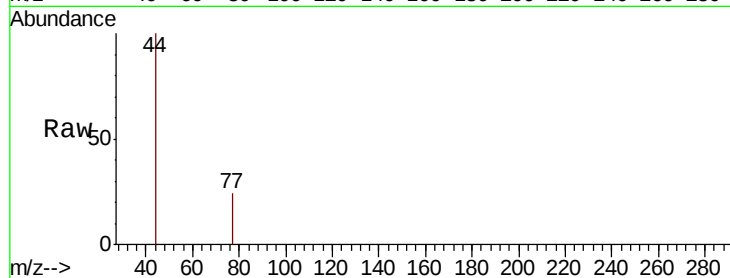
Tgt Ion: 77 Resp: 40

Ion Ratio Lower Upper

77 100

123 0.0 16.9 59.9#

65 0.0 13.1 16.7#



Abundance Ion 77.00 (76.70 to 77.70): VU027750.D (-3625) (-)

Ion 123.00 (122.70 to 123.70): VU027750.D (-3625) (-)

Ion 65.00 (64.70 to 65.70): VU027750.D (-3625) (-)

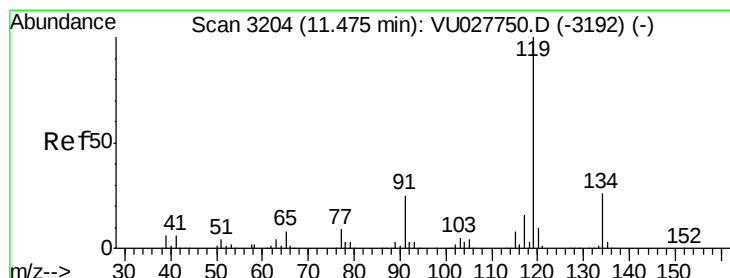
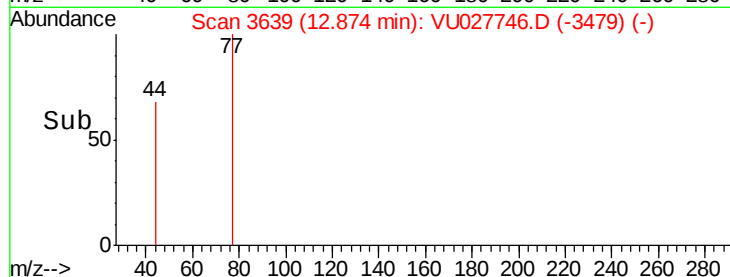
12.87

100

50

0

Time--> 12.86 12.87 12.88



#81

p-Isopropyltoluene

Concen: 0.459 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

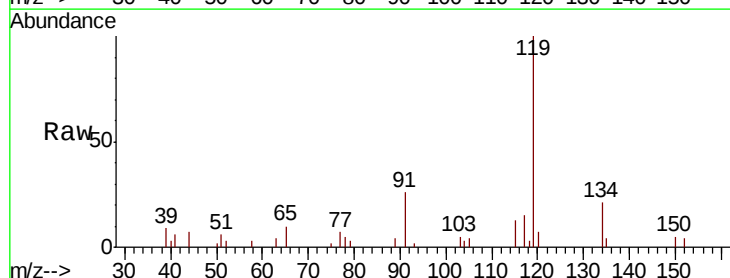
Tgt Ion: 119 Resp: 7498

Ion Ratio Lower Upper

119 100

134 23.5 20.3 30.5

91 24.5 20.2 30.4



Abundance Ion 119.00 (118.70 to 119.70): VU027750.D (-3192) (-)

Ion 134.00 (133.70 to 134.70): VU027750.D (-3192) (-)

Ion 91.00 (90.70 to 91.70): VU027750.D (-3192) (-)

11.48

6000

5000

4000

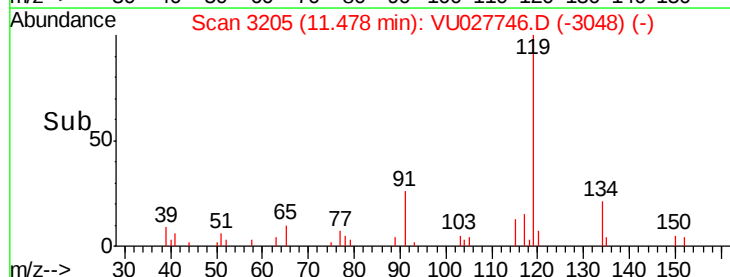
3000

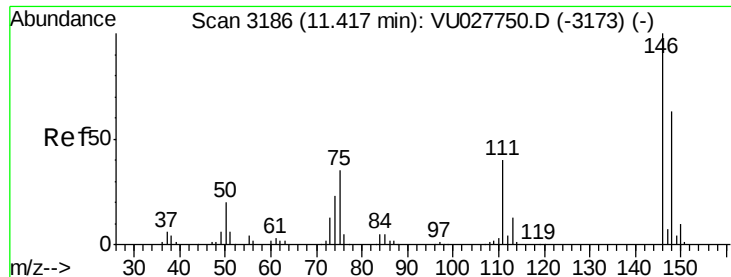
2000

1000

0

Time--> 11.45 11.50





#82

1,3-Dichlorobenzene

Concen: 0.458 ug/l

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

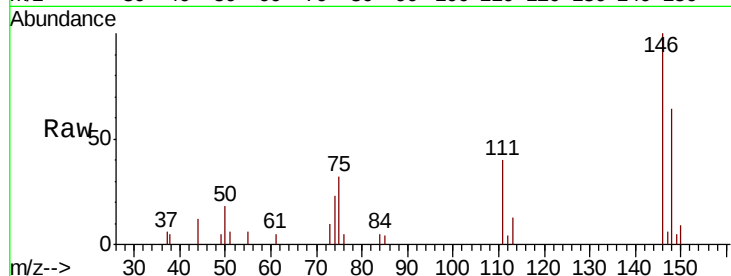
Tgt Ion:146 Resp: 3721

Ion Ratio Lower Upper

146 100

111 42.1 32.7 49.1

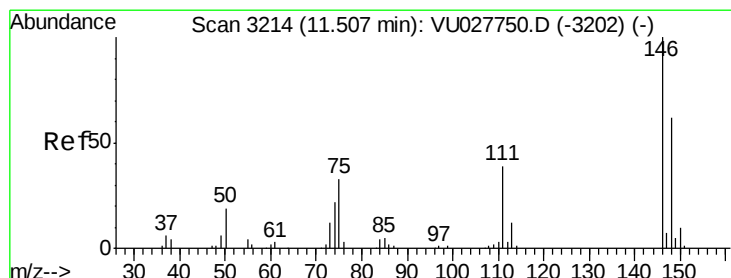
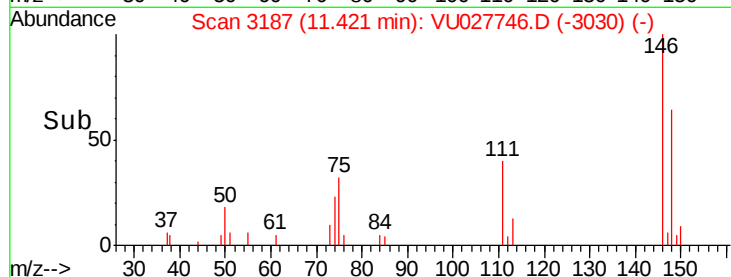
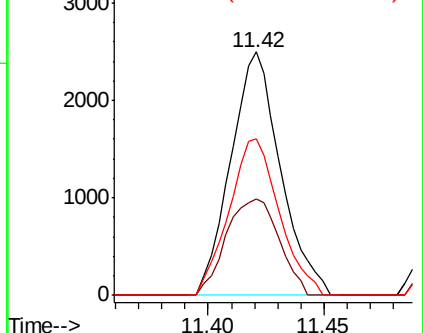
148 64.7 50.6 75.8



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: 0.486 ug/l

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

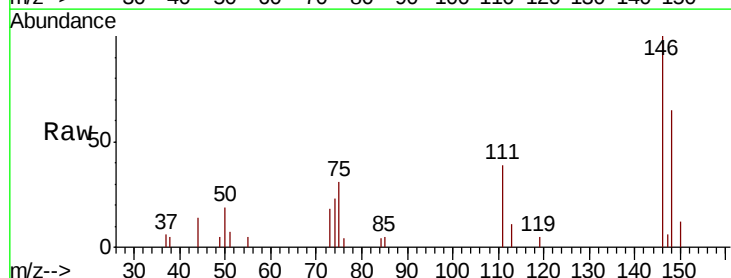
Tgt Ion:146 Resp: 3898

Ion Ratio Lower Upper

146 100

111 38.7 32.0 48.0

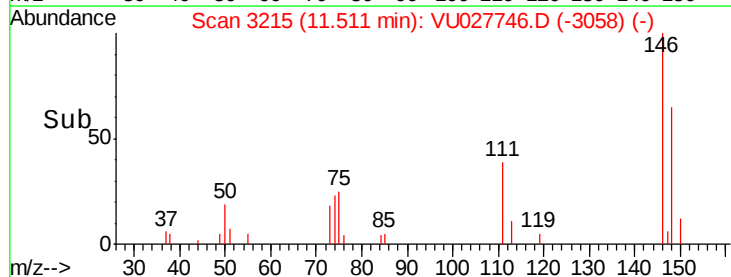
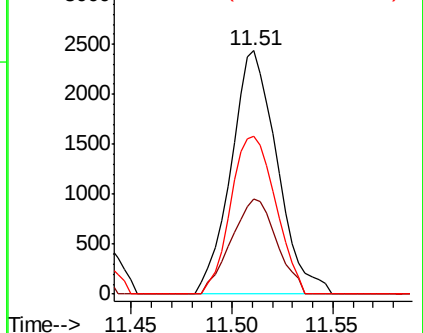
148 63.4 50.9 76.3

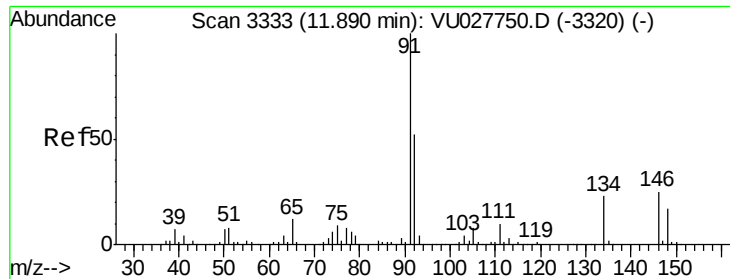


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

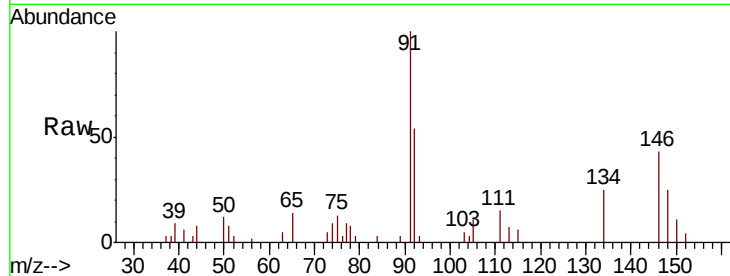




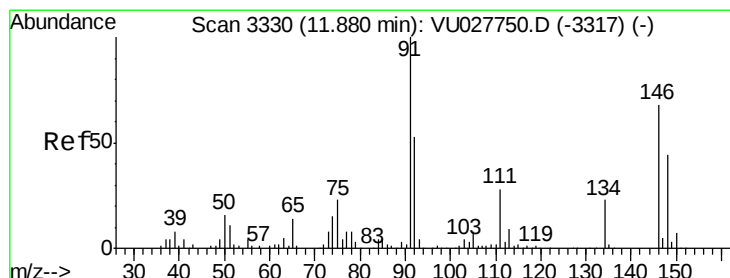
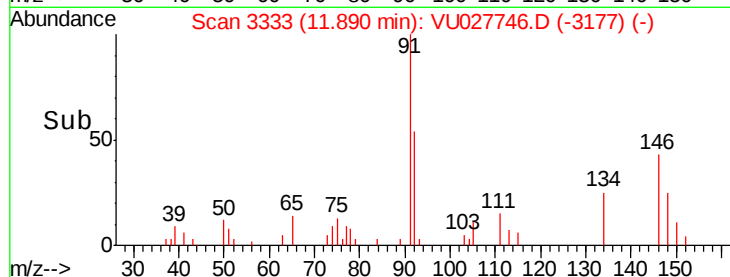
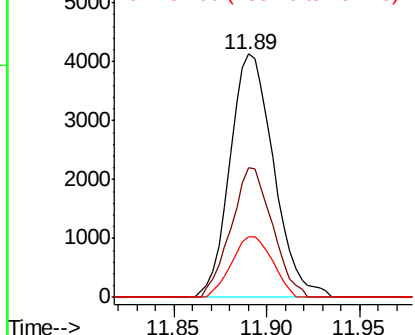
#84
n-Butylbenzene
Concen: 0.440 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tgt Ion: 91 Resp: 6774
Ion Ratio Lower Upper
91 100
92 50.3 42.1 63.1
134 23.4 18.6 28.0

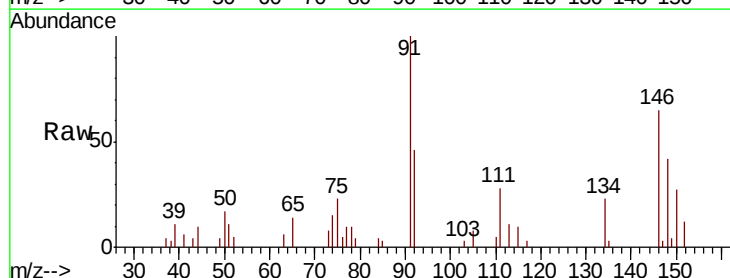


Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0
Ion 134.00 (133.70 to 134.70): V

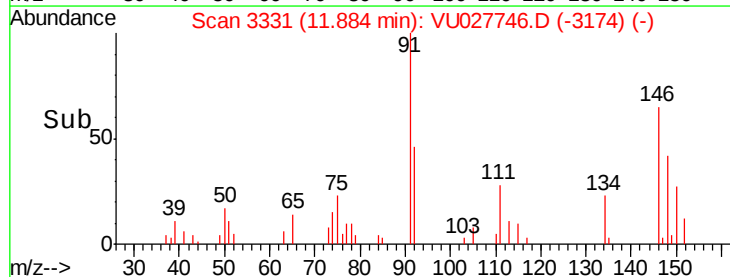
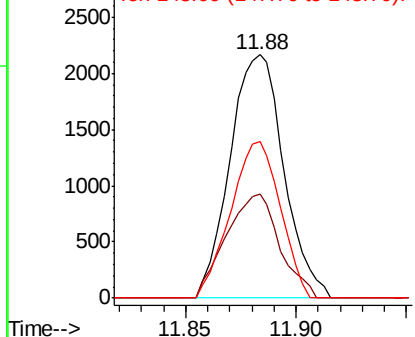


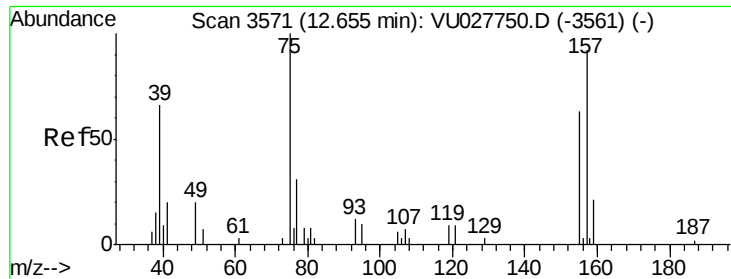
#85
1,2-Dichlorobenzene
Concen: 0.473 ug/l
RT: 11.88 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

Tgt Ion: 146 Resp: 3664
Ion Ratio Lower Upper
146 100
111 42.4 21.2 63.6
148 59.3 32.2 96.6



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

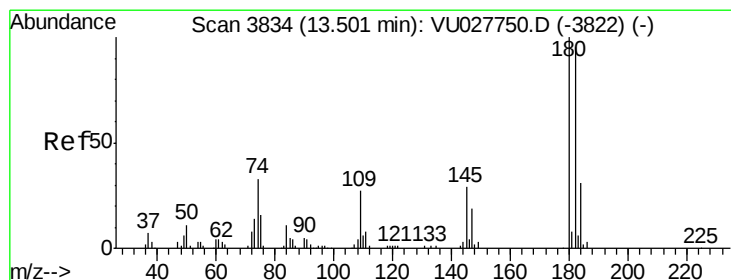
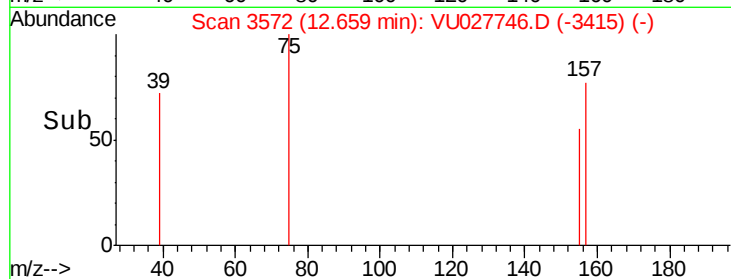
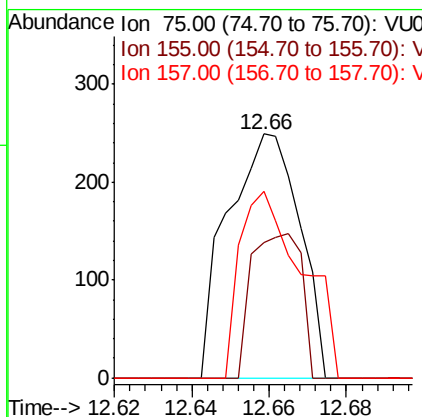
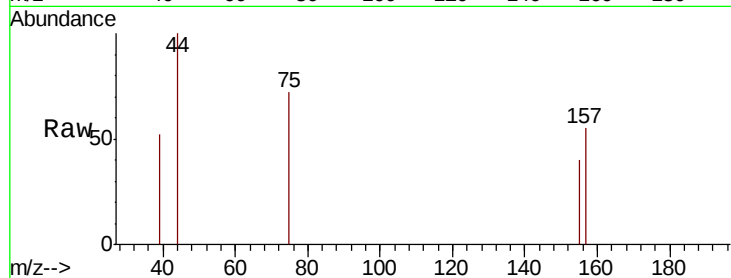




#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.478 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

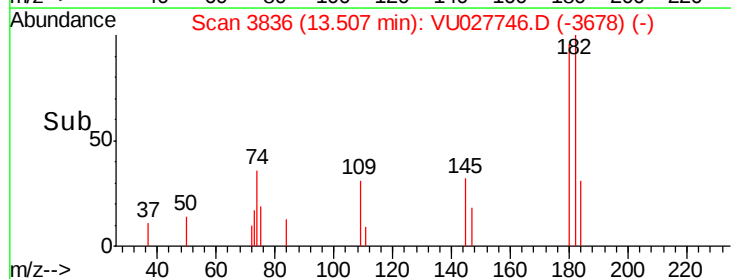
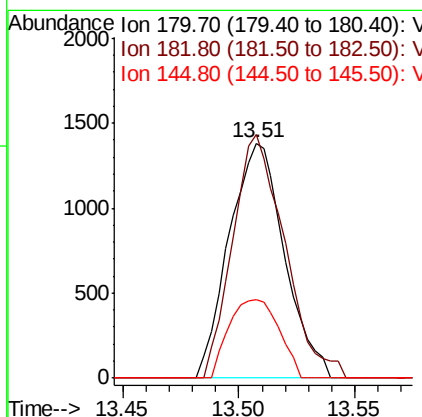
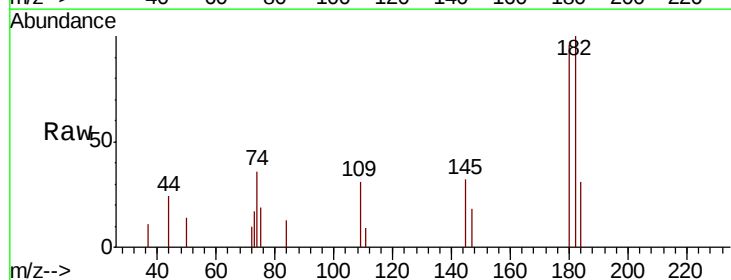
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

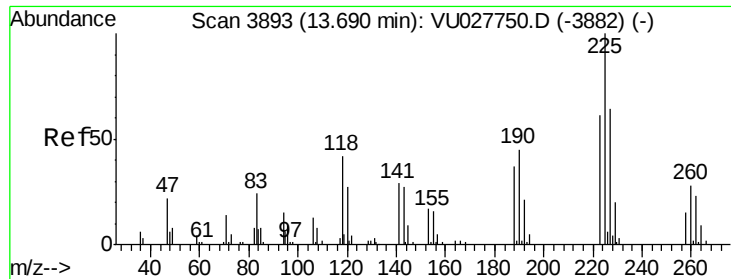
Tgt Ion: 75 Resp: 322
 Ion Ratio Lower Upper
 75 100
 155 41.0 55.5 83.3#
 157 66.1 71.0 106.4#



#87
 1,2,4-Trichlorobenzene
 Concen: 0.403 ug/l
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.01 min
 Lab File: VU027746.D
 Acq: 22 Oct 2018 17:32

Tgt Ion: 180 Resp: 2292
 Ion Ratio Lower Upper
 180 100
 182 97.5 75.9 113.9
 145 30.2 23.6 35.4

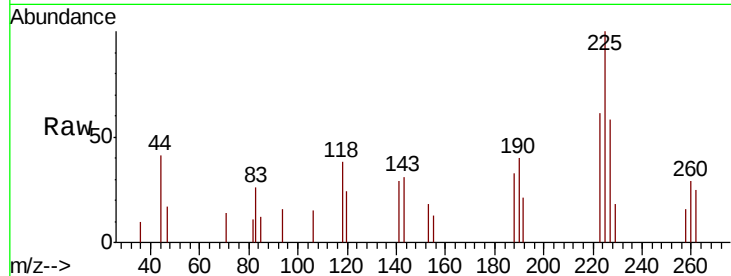




#88
Hexachlorobutadiene
Concen: 0.455 ug/l
RT: 13.69 min Scan# 3894
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

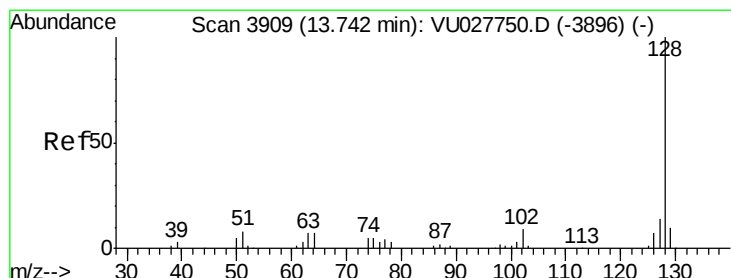
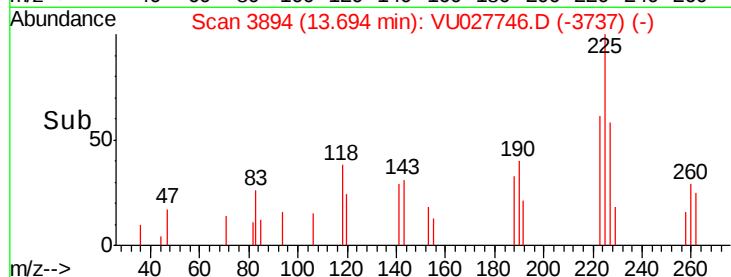
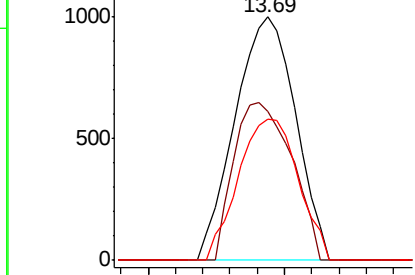
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:225 Resp: 1539
Ion Ratio Lower Upper
225 100
223 62.3 49.6 74.4
227 57.4 51.1 76.7



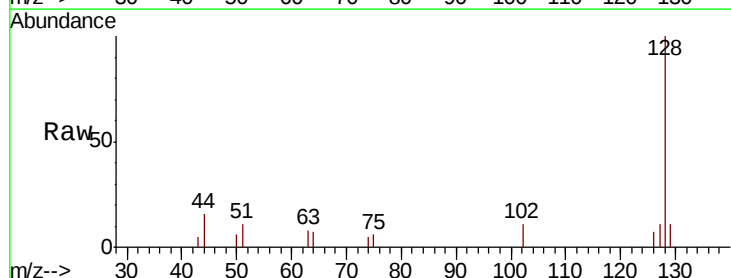
Abundance Ion 224.60 (224.30 to 225.30): V
Ion 222.60 (222.30 to 223.30): V
Ion 226.60 (226.30 to 227.30): V

13.69



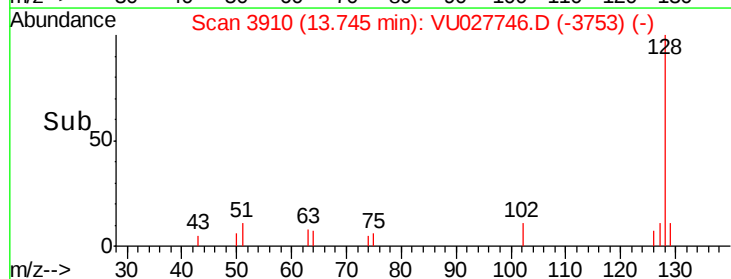
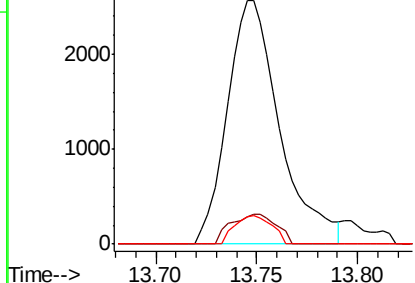
#89
Naphthalene
Concen: 0.414 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027746.D
Acq: 22 Oct 2018 17:32

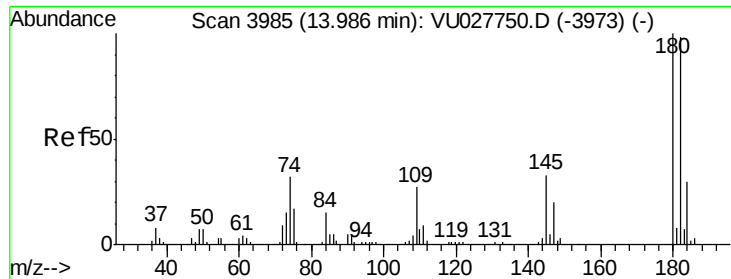
Tgt Ion:128 Resp: 4653
Ion Ratio Lower Upper
128 100
127 10.7 10.7 16.1
129 8.4 8.5 12.7#



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

13.75





#90

1,2,3-Trichlorobenzene

Concen: 0.455 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027746.D

Acq: 22 Oct 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

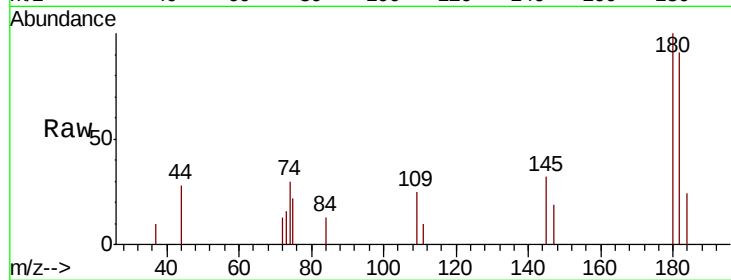
Tgt Ion:180 Resp: 2390

Ion Ratio Lower Upper

180 100

182 91.0 77.0 115.6

145 31.2 25.4 38.2



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

