

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102318\
 Data File : VU027747.D
 Acq On : 22 Oct 2018 18:21
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Quant Time: Oct 23 04:04:42 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	13311	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	4947	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	4809	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	5531	0.985 ug/l	95
3) Chloromethane	1.33	50	5960	0.988 ug/l	95
4) Vinyl Chloride	1.41	62	5349	0.949 ug/l	98
5) Bromomethane	1.63	94	2823	1.045 ug/l	100
6) Chloroethane	1.70	64	3092	0.559 ug/l	95
7) Trichlorofluoromethane	1.89	101	6681	1.008 ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	3432	0.937 ug/l	97
9) 1,1-Dichloroethene	2.29	96	3103	0.949 ug/l	99
10) Iodomethane	2.41	142	3801	0.864 ug/l	100
11) Allyl Chloride	2.59	41	7206	0.939 ug/l	98
12) Acrylonitrile	2.95	53	2065	1.986 ug/l #	83
13) Acetone	2.35	43	4915	5.397 ug/l	98
14) Carbon Disulfide	2.48	76	11633	0.982 ug/l	100
15) Methylene Chloride	2.70	84	3808	0.954 ug/l	98
16) trans-1,2-Dichloroethene	2.98	96	3315	0.904 ug/l	90
17) 1,1-Dichloroethane	3.45	63	7656	1.000 ug/l #	96
18) 2-Butanone	4.30	43	6923	4.919 ug/l	95
19) Cyclohexane	4.99	56	6424	0.917 ug/l	97
20) Methylcyclohexane	6.41	83	6624	0.968 ug/l	95
21) 2,2-Dichloropropane	4.23	77	7032	1.037 ug/l	95
22) cis-1,2-Dichloroethene	4.23	96	4226	1.015 ug/l	97
23) Diethyl Ether	2.11	59	3013	0.978 ug/l	96
24) tert-Butyl Alcohol	2.87	59	1380	4.677 ug/l #	80
25) Methyl tert-Butyl Ether	3.01	73	9549	0.923 ug/l	98
26) Bromochloromethane	4.56	128	1584	0.940 ug/l	98
27) Chloroform	4.68	83	7456	0.988 ug/l	92
28) 1,1,1-Trichloroethane	4.92	97	6373	0.978 ug/l	98
29) 1,1-Dichloropropene	5.14	75	5594	0.975 ug/l	97
30) Carbon Tetrachloride	5.13	117	5754	0.991 ug/l	95
31) Isopropyl Ether	3.58	45	13480	0.938 ug/l	92
32) Ethyl-t-butyl ether	4.08	59	12023	0.948 ug/l	95
33) Tert-Amyl methyl ether	5.59	73	10033	0.942 ug/l	98
34) Propionitrile	4.36	54	1617	4.278 ug/l #	80
35) Benzene	5.40	78	15759	0.976 ug/l	94
36) 1,2-Dichloroethane	5.41	62	5458	1.060 ug/l #	96
37) Trichloroethene	6.19	130	3865	0.972 ug/l	93
38) 1,2-Dichloropropane	6.44	63	4624	1.015 ug/l	94
39) Methacrylonitrile	4.56	41	1925	1.034 ug/l #	86
40) Methyl acrylate	4.45	55	2445	0.968 ug/l #	83
41) Tetrahydrofuran	4.68	42	2125	2.124 ug/l #	84
42) 1-Chlorobutane	5.07	56	9451	1.052 ug/l	98

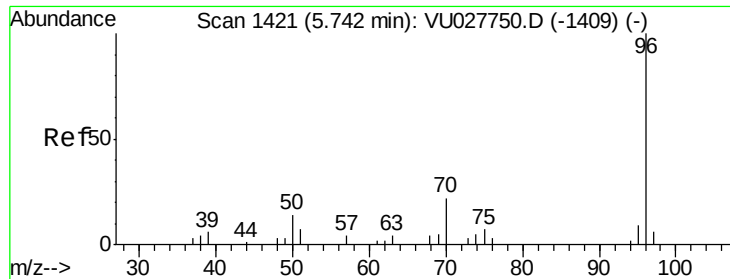
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U0102318\
 Data File : VU027747.D
 Acq On : 22 Oct 2018 18:21
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Quant Time: Oct 23 04:04:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0102318DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 23 04:01:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	1956	0.964	ug/l	98
44) Bromodichloromethane	6.76	83	5369	0.985	ug/l	91
45) 4-Methyl-2-Pentanone	7.47	43	16386	4.771	ug/l	97
46) t-1,4-Dichloro-2-butene	10.50	75	2437	1.919	ug/l #	85
47) Methyl methacrylate	6.63	69	4153	1.850	ug/l	98
48) Ethyl methacrylate	8.03	69	4018	0.836	ug/l	88
49) Toluene	7.64	92	9171	0.938	ug/l	97
50) t-1,3-Dichloropropene	7.89	75	5246	0.947	ug/l	95
51) cis-1,3-Dichloropropene	7.27	75	6436	0.980	ug/l	94
52) 1,1,2-Trichloroethane	8.07	97	2638	0.919	ug/l	94
53) 1,3-Dichloropropane	8.24	76	5232	0.987	ug/l	99
54) 2-Hexanone	8.37	43	11494	4.543	ug/l	96
55) Dibromochloromethane	8.48	129	3256	0.932	ug/l	96
56) 1,2-Dibromoethane	8.59	107	2588	0.955	ug/l	99
58) Tetrachloroethene	8.23	164	3811	1.059	ug/l	97
59) Chlorobenzene	9.12	112	10256	1.001	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	3505	0.944	ug/l	98
61) Pentachloroethane	11.10	117	2744	0.955	ug/l	99
62) Hexachloroethane	12.14	117	2765	0.893	ug/l	94
63) Ethyl Benzene	9.25	91	18795	0.993	ug/l	99
64) m/p-Xylenes	9.38	106	13263	1.916	ug/l	96
65) o-Xylene	9.78	106	6740	0.975	ug/l	99
66) Styrene	9.79	104	10889	0.952	ug/l	100
67) Bromoform	9.96	173	1828	0.902	ug/l #	94
69) Isopropylbenzene	10.17	105	18658	1.009	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.46	83	3521	0.946	ug/l #	98
71) 1,2,3-Trichloropropane	10.50	75	2437	0.842	ug/l #	93
72) Bromobenzene	10.45	156	3933	0.951	ug/l	91
73) n-propylbenzene	10.59	120	4412	0.931	ug/l	81
74) 2-Chlorotoluene	10.67	126	3961	0.936	ug/l	89
75) 1,3,5-Trimethylbenzene	10.77	105	14913	0.966	ug/l	97
76) 4-Chlorotoluene	10.77	126	4231	1.038	ug/l	93
77) tert-Butylbenzene	11.10	119	15340	1.002	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	15167	0.953	ug/l	96
79) sec-Butylbenzene	11.32	105	19654	1.003	ug/l	99
80) Nitrobenzene	12.87	77	387	2.237	ug/l #	44
81) p-Isopropyltoluene	11.48	119	15885	0.995	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	8228	1.035	ug/l	96
83) 1,4-Dichlorobenzene	11.51	146	8153	1.039	ug/l	98
84) n-Butylbenzene	11.89	91	14865	0.986	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	7692	1.015	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	586	0.890	ug/l	96
87) 1,2,4-Trichlorobenzene	13.50	180	5054	0.910	ug/l	93
88) Hexachlorobutadiene	13.69	225	3294	0.996	ug/l	99
89) Naphthalene	13.75	128	9690	0.882	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	5142	1.002	ug/l	98

(#) = 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: VU027747.D

Acq: 22 Oct 2018 18:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 13311

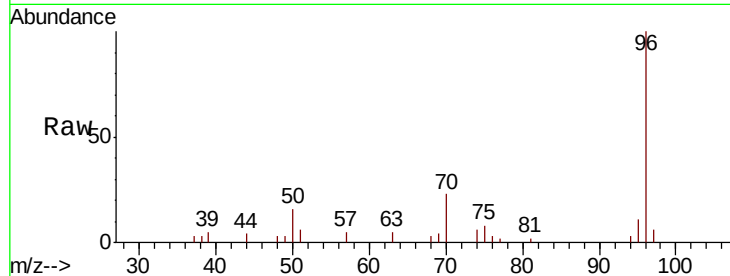
Ion Ratio Lower Upper

96 100

70 23.7 17.7 26.5

95 9.2 7.0 10.6

97 5.8 0.0 0.0#

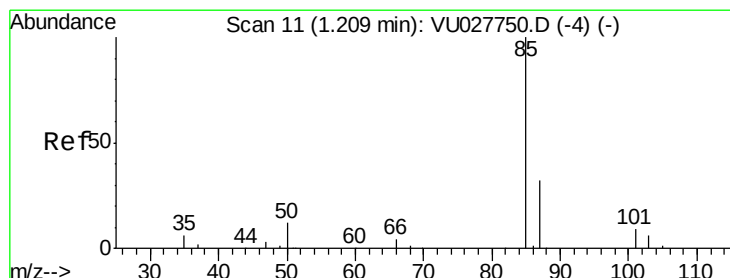
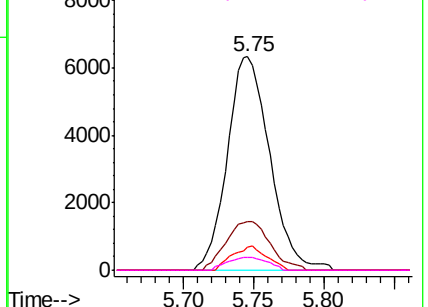
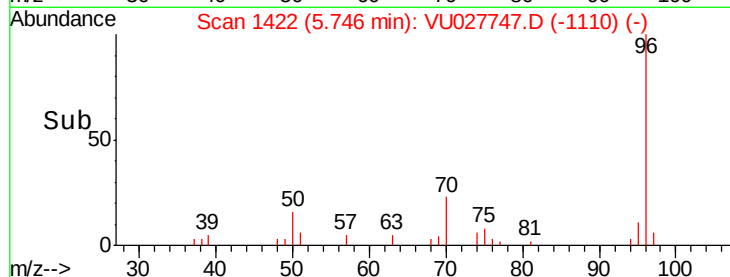


Abundance Ion 96.00 (95.70 to 96.70): VU027750.D (-1409) (-)

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: 0.985 ug/l

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027747.D

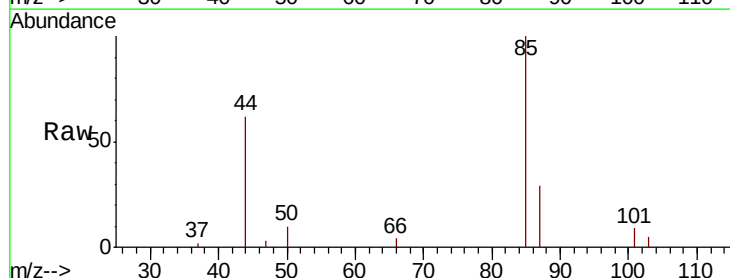
Acq: 22 Oct 2018 18:21

Tgt Ion: 85 Resp: 5531

Ion Ratio Lower Upper

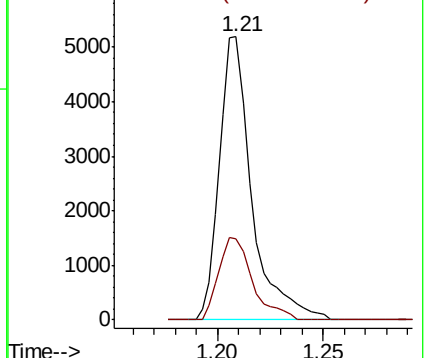
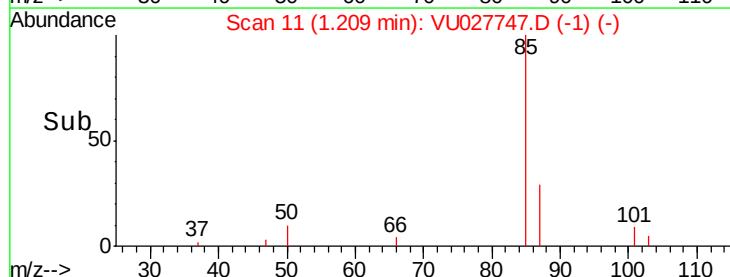
85 100

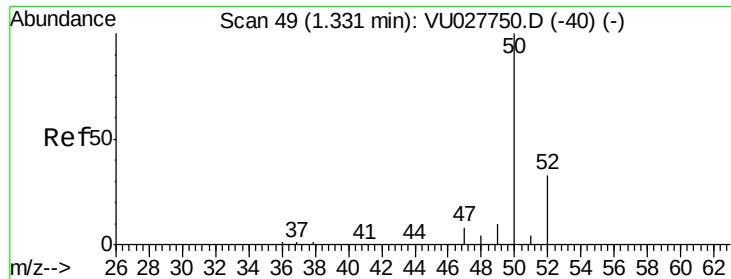
87 28.7 15.9 47.6



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: 0.988 ug/l

RT: 1.33 min Scan# 50

Delta R.T. 0.00 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

Instrument :

MSVOA_U

ClientSampleId :

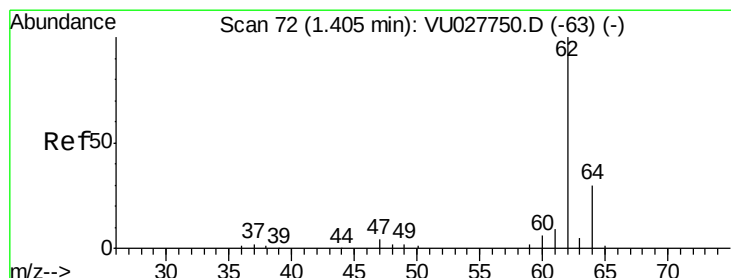
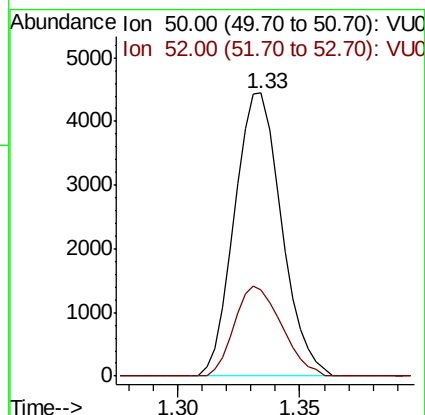
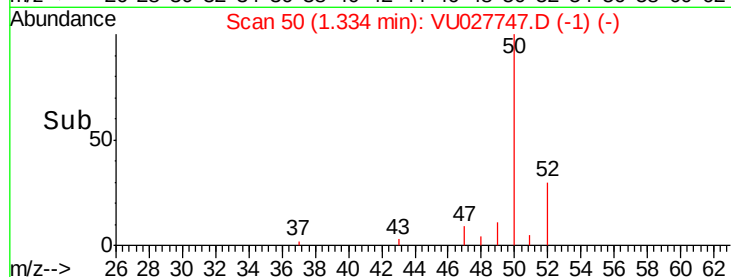
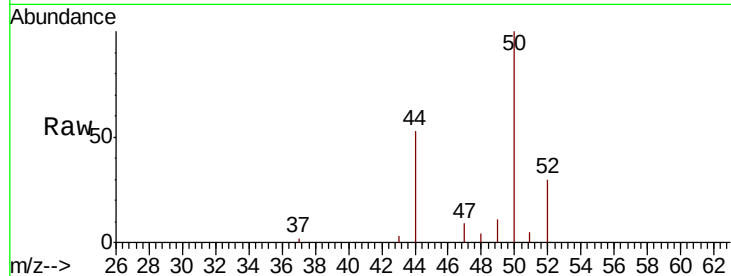
VSTDIC001

Tgt Ion: 50 Resp: 5960

Ion Ratio Lower Upper

50 100

52 30.4 26.6 40.0



#4

Vinyl Chloride

Concen: 0.949 ug/l

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027747.D

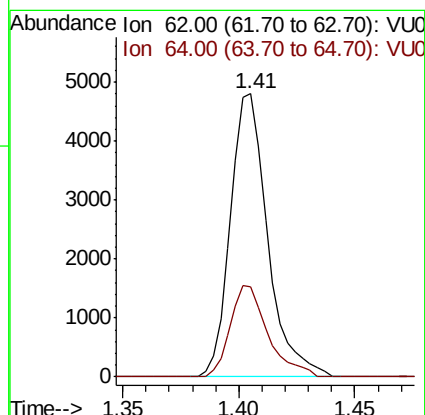
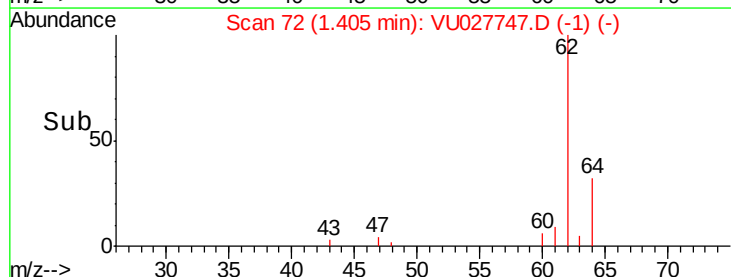
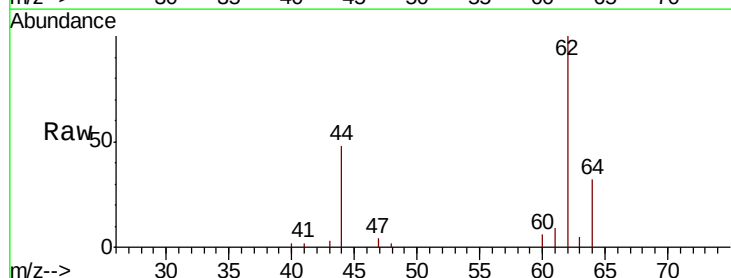
Acq: 22 Oct 2018 18:21

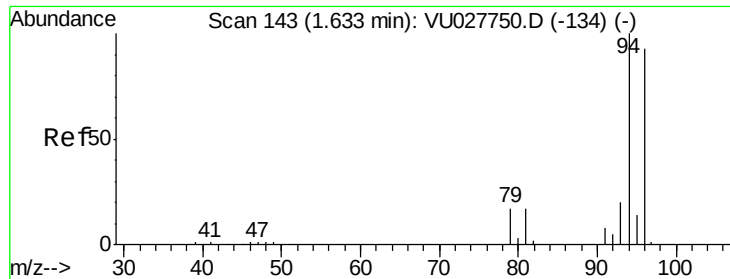
Tgt Ion: 62 Resp: 5349

Ion Ratio Lower Upper

62 100

64 31.6 24.3 36.5

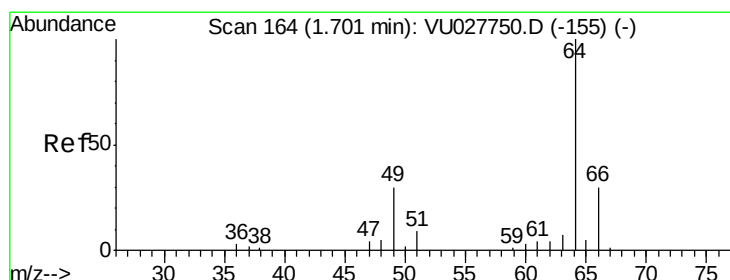
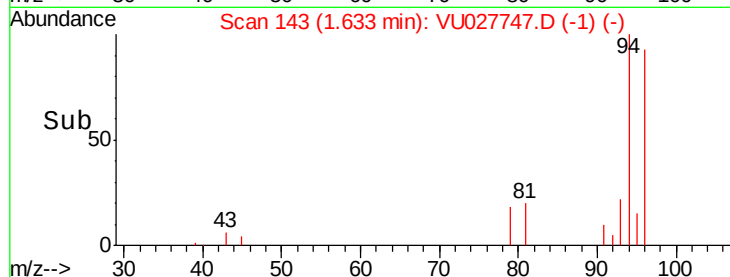
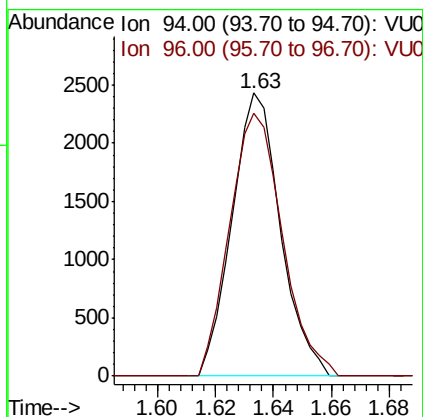
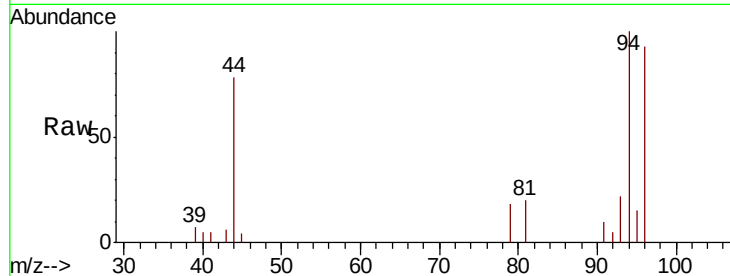




#5
Bromomethane
Concen: 1.045 ug/l
RT: 1.63 min Scan# 143
Delta R.T. 0.00 min
Lab File: VU027747.D
Acq: 22 Oct 2018 18:21

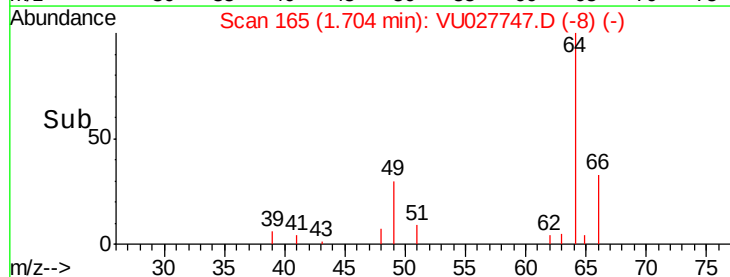
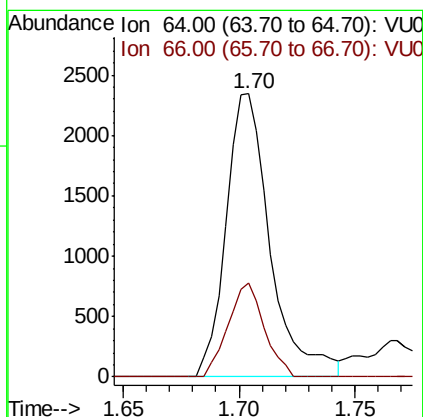
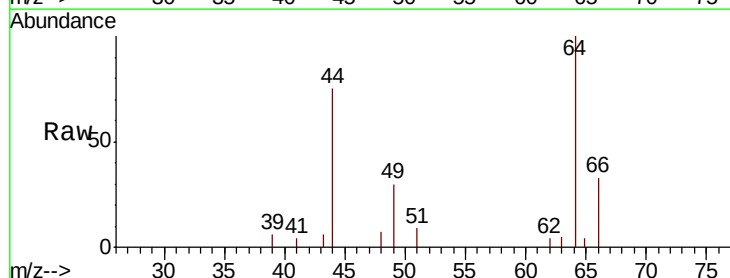
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

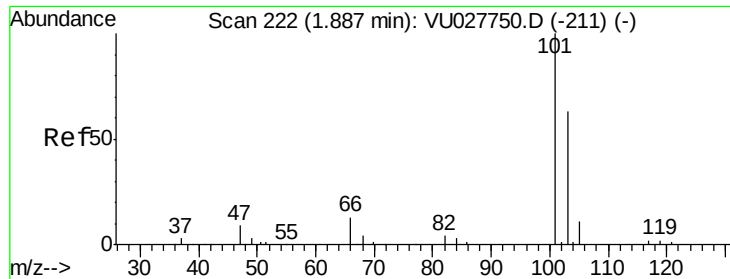
Tgt Ion: 94 Resp: 2823
Ion Ratio Lower Upper
94 100
96 93.0 74.2 111.4



#6
Chloroethane
Concen: 0.559 ug/l
RT: 1.70 min Scan# 165
Delta R.T. 0.00 min
Lab File: VU027747.D
Acq: 22 Oct 2018 18:21

Tgt Ion: 64 Resp: 3092
Ion Ratio Lower Upper
64 100
66 33.2 24.3 36.5



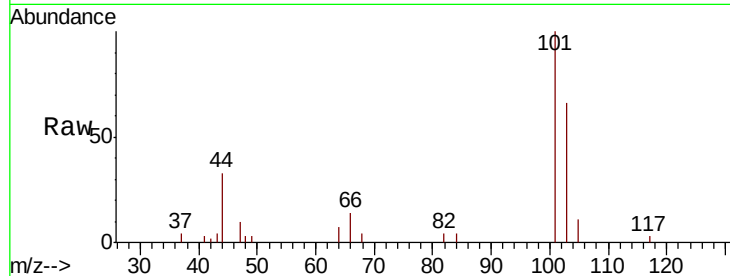


#7

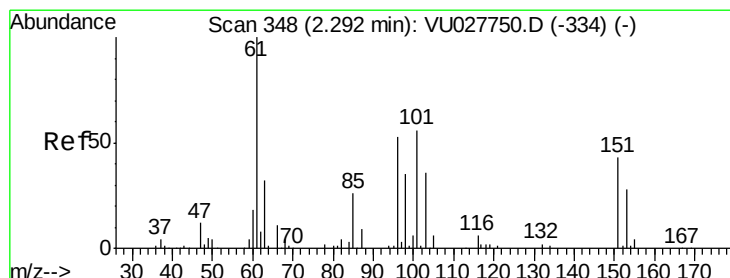
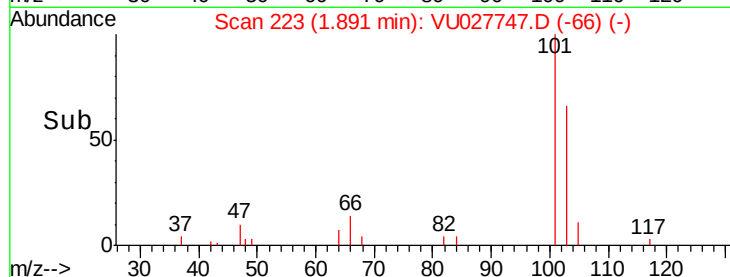
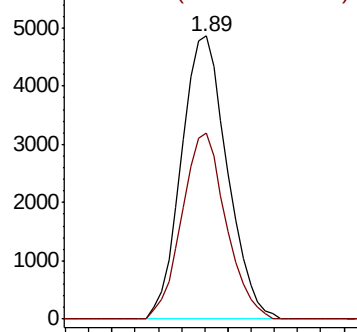
Trichlorofluoromethane
Concen: 1.008 ug/l
RT: 1.89 min Scan# 223
Delta R.T. 0.00 min
Lab File: VU027747.D
Acq: 22 Oct 2018 18:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:101 Resp: 6681
Ion Ratio Lower Upper
101 100
103 65.7 50.2 75.2



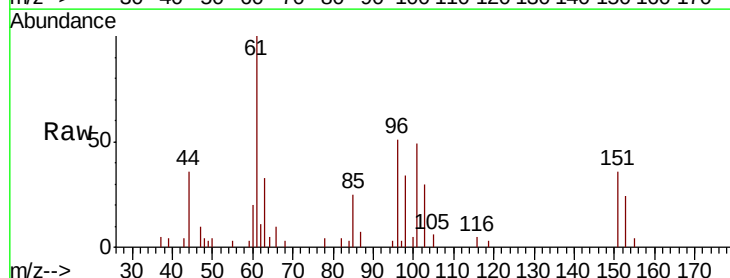
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



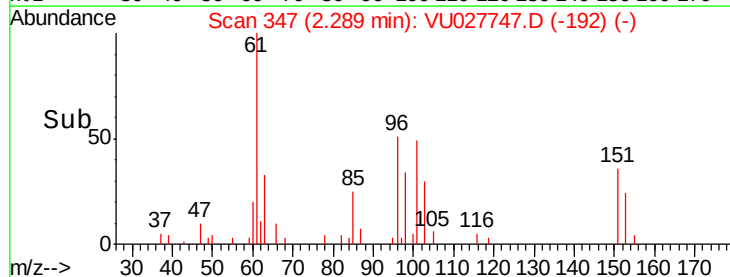
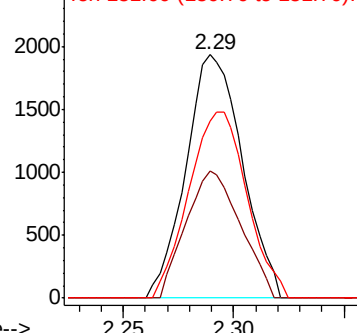
#8

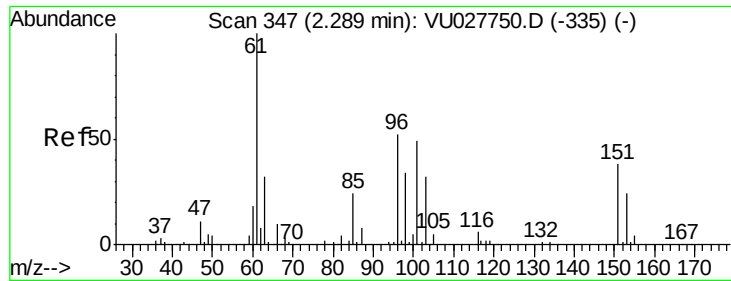
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.937 ug/l
RT: 2.29 min Scan# 347
Delta R.T. -0.00 min
Lab File: VU027747.D
Acq: 22 Oct 2018 18:21

Tgt Ion:101 Resp: 3432
Ion Ratio Lower Upper
101 100
85 50.6 38.2 57.2
151 79.1 61.8 92.8



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





#9

1,1-Dichloroethene

Concen: 0.949 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

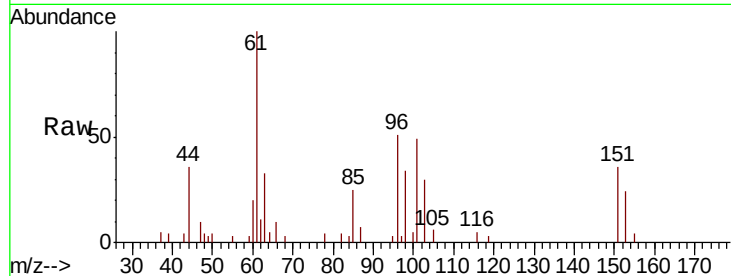
Tgt Ion: 96 Resp: 3103

Ion Ratio Lower Upper

96 100

61 194.7 0.0 581.4

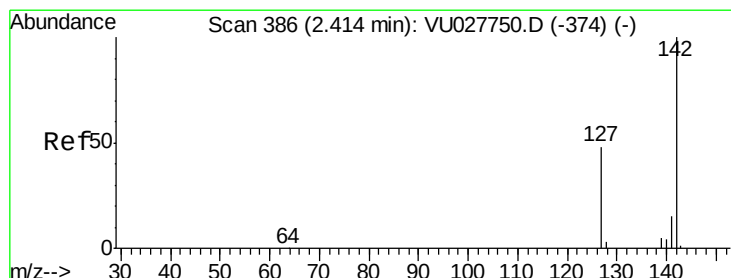
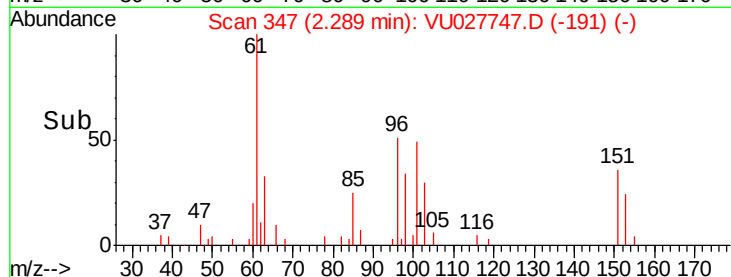
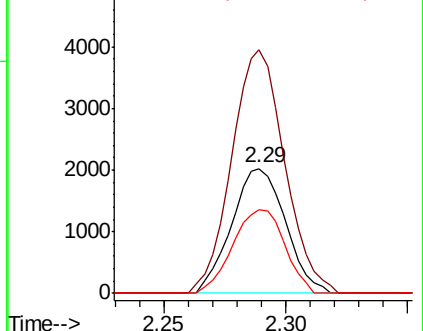
98 66.5 0.0 131.2



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: 0.864 ug/l

RT: 2.41 min Scan# 386

Delta R.T. 0.00 min

Lab File: VU027747.D

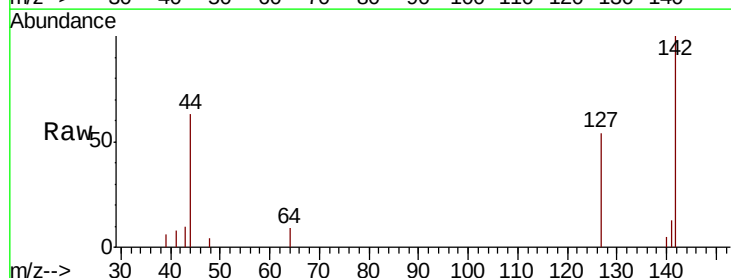
Acq: 22 Oct 2018 18:21

Tgt Ion: 142 Resp: 3801

Ion Ratio Lower Upper

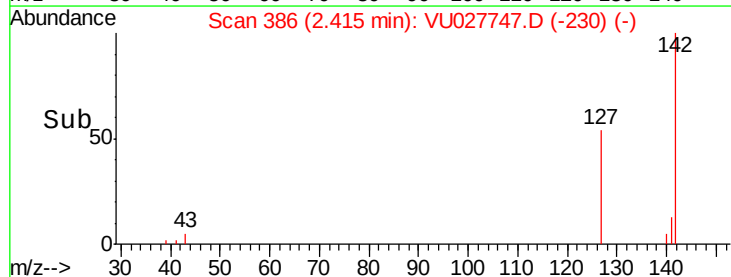
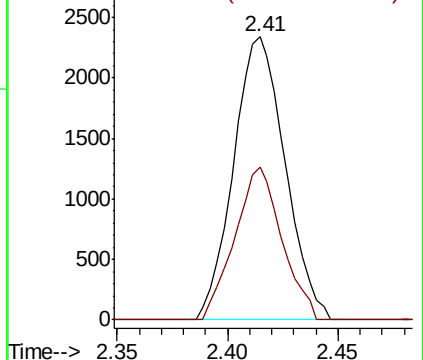
142 100

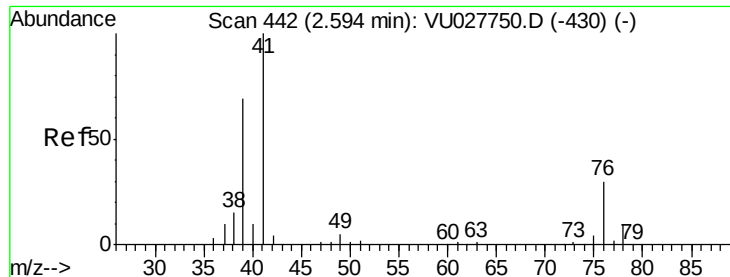
127 49.2 39.2 58.8



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

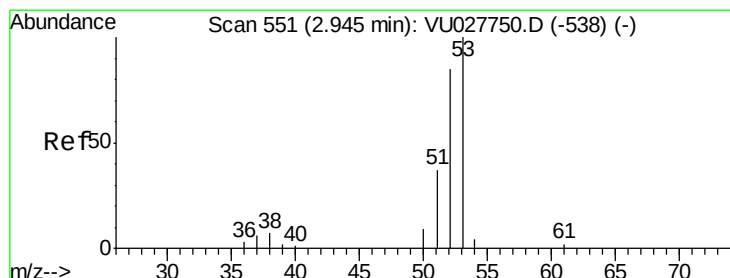
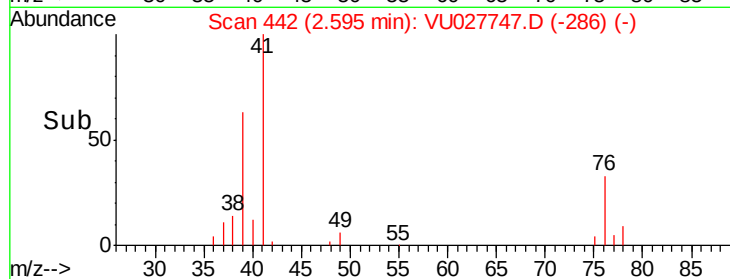
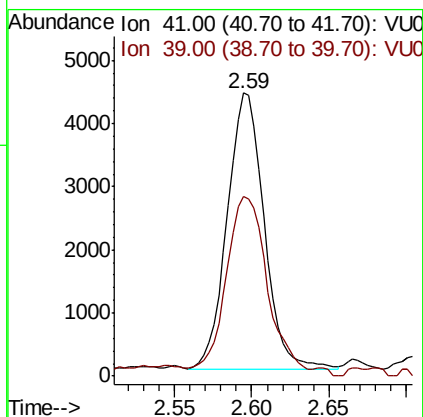
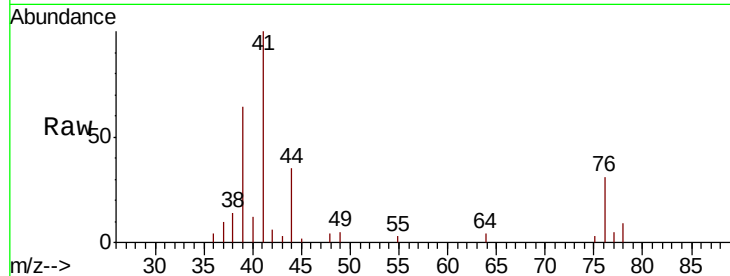




#11
 Allyl Chloride
 Concen: 0.939 ug/l
 RT: 2.59 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VU027747.D
 Acq: 22 Oct 2018 18:21

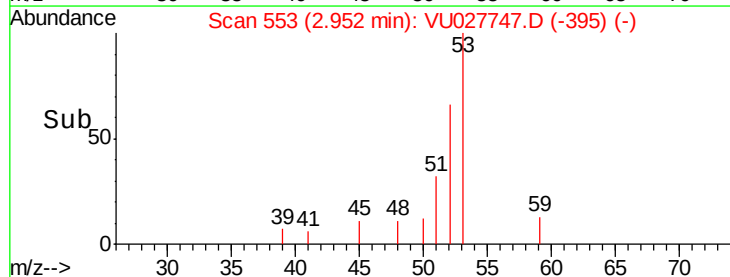
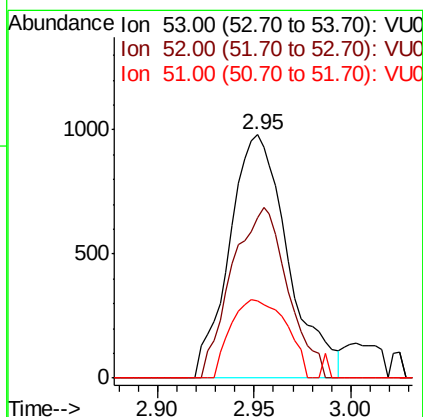
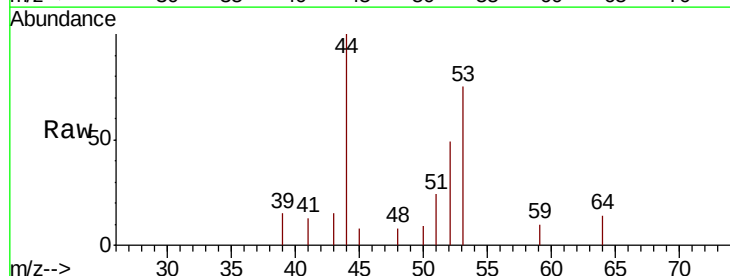
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

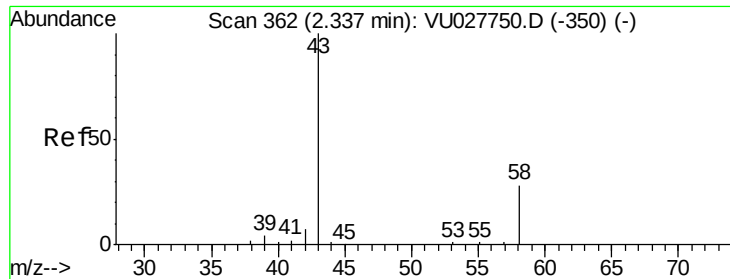
Tgt Ion: 41 Resp: 7206
 Ion Ratio Lower Upper
 41 100
 39 67.2 55.4 83.0



#12
 Acrylonitrile
 Concen: 1.986 ug/l
 RT: 2.95 min Scan# 553
 Delta R.T. 0.01 min
 Lab File: VU027747.D
 Acq: 22 Oct 2018 18:21

Tgt Ion: 53 Resp: 2065
 Ion Ratio Lower Upper
 53 100
 52 66.9 67.9 101.9#
 51 30.5 30.0 45.0





#13

Acetone

Concen: 5.397 ug/l

RT: 2.35 min Scan# 366

Delta R.T. 0.01 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

Instrument :

MSVOA_U

ClientSampleId :

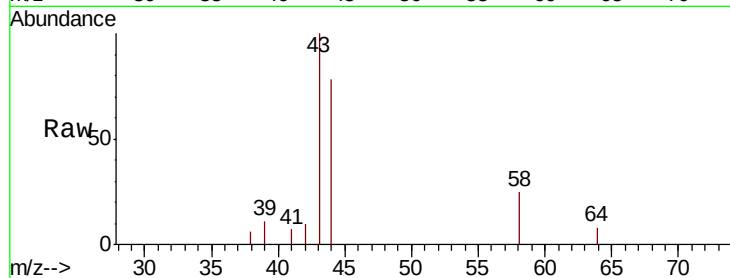
VSTDIC001

Tgt Ion: 43 Resp: 4915

Ion Ratio Lower Upper

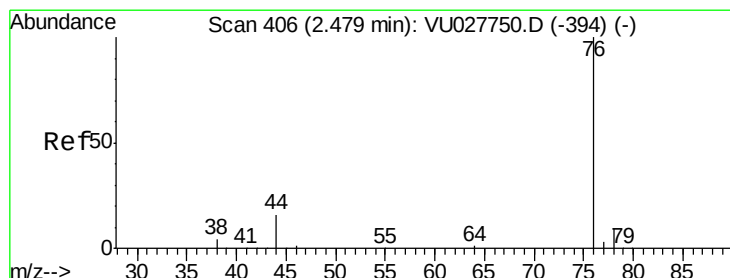
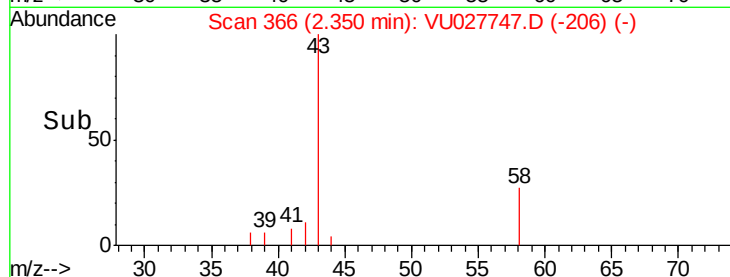
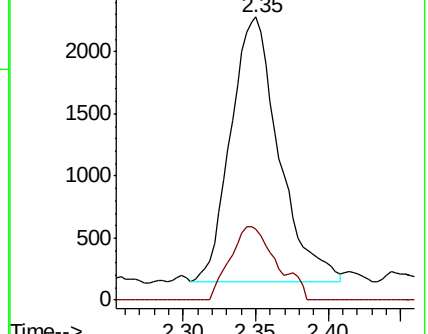
43 100

58 26.9 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: 0.982 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027747.D

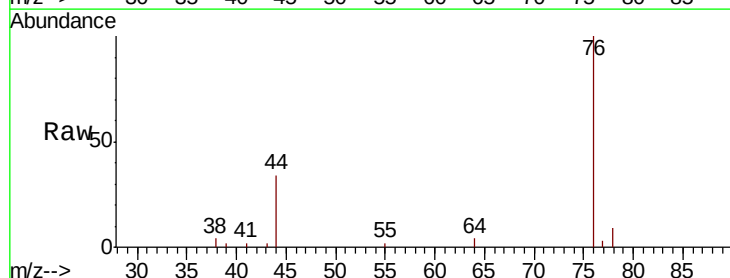
Acq: 22 Oct 2018 18:21

Tgt Ion: 76 Resp: 11633

Ion Ratio Lower Upper

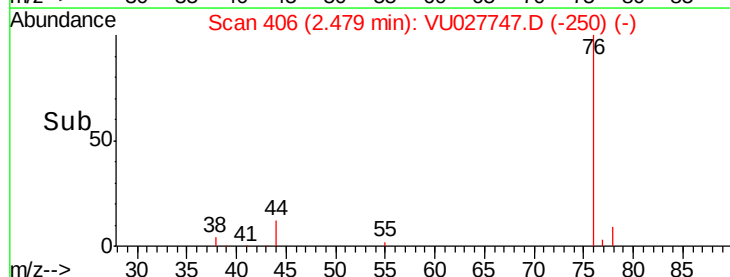
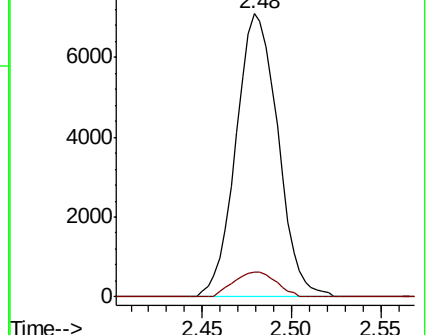
76 100

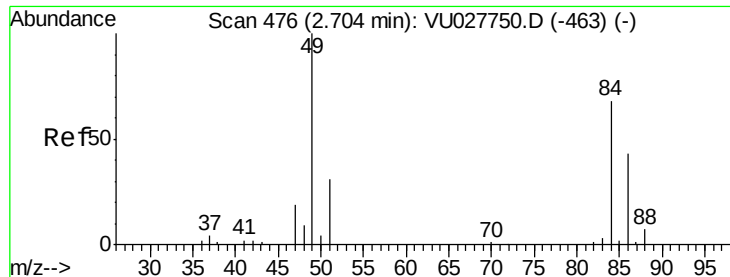
78 8.9 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

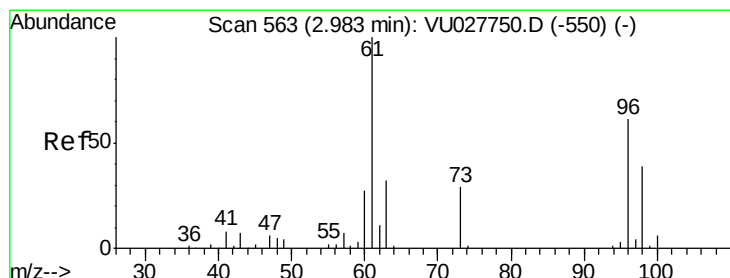
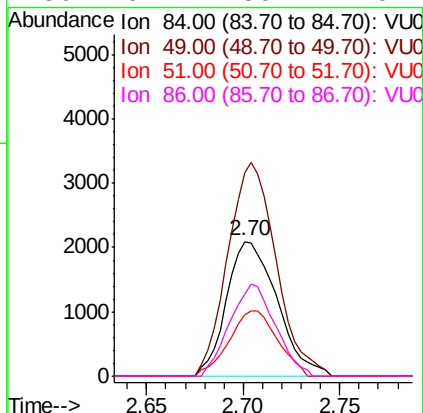
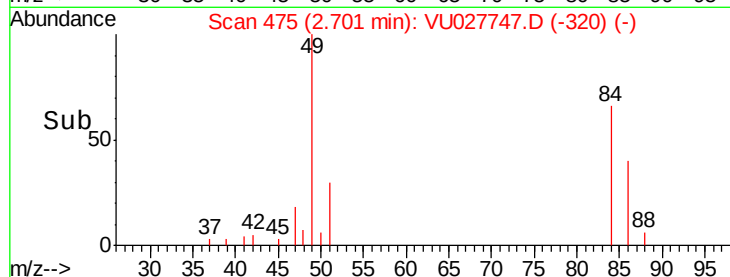
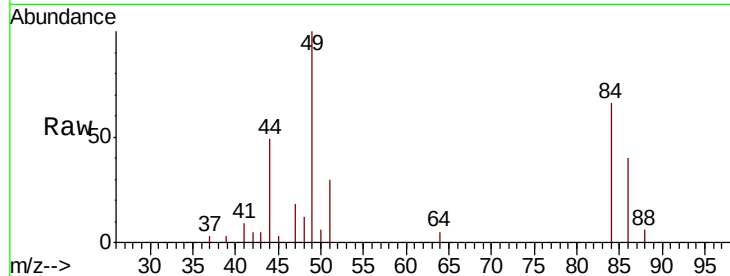




#15
Methylene Chloride
Concen: 0.954 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027747.D
Acq: 22 Oct 2018 18:21

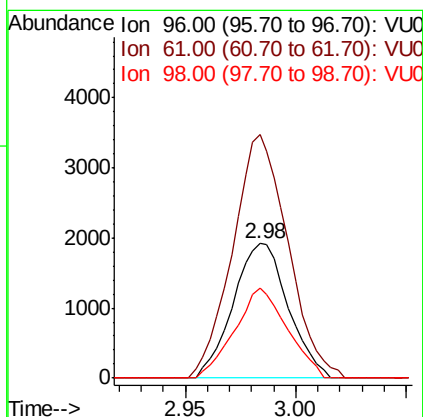
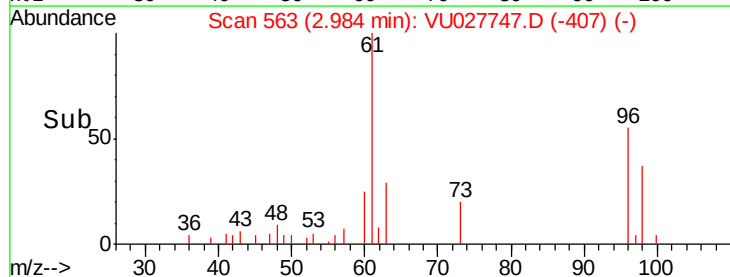
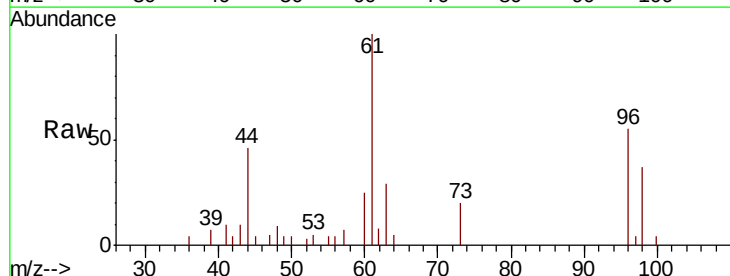
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

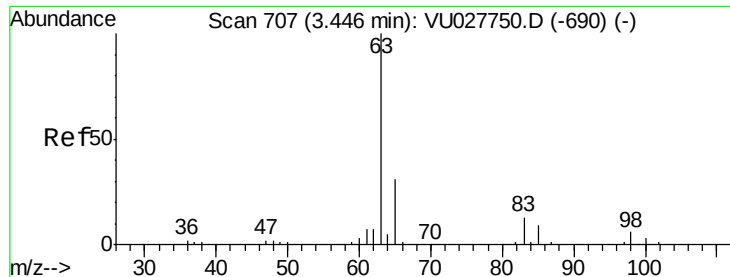
Tgt Ion: 84 Resp: 3808
Ion Ratio Lower Upper
84 100
49 151.2 118.5 177.7
51 45.5 0.0 91.0
86 61.1 50.7 76.1



#16
trans-1,2-Dichloroethene
Concen: 0.904 ug/l
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU027747.D
Acq: 22 Oct 2018 18:21

Tgt Ion: 96 Resp: 3315
Ion Ratio Lower Upper
96 100
61 180.9 131.8 197.6
98 66.7 51.2 76.8

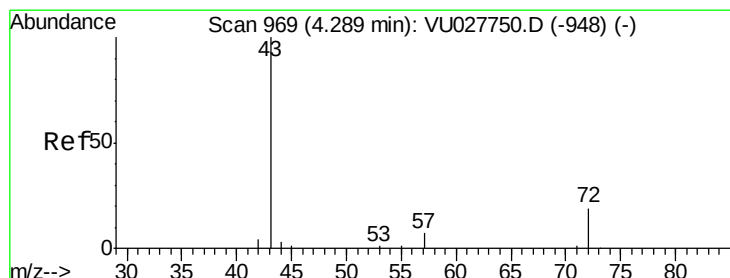
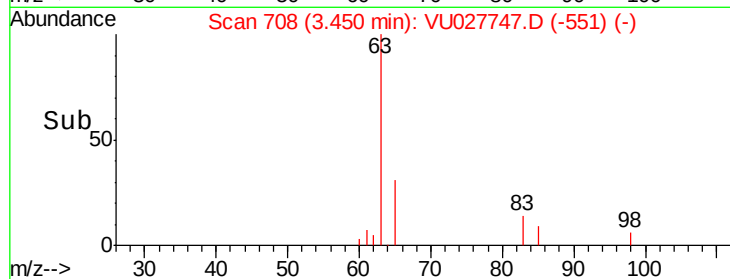
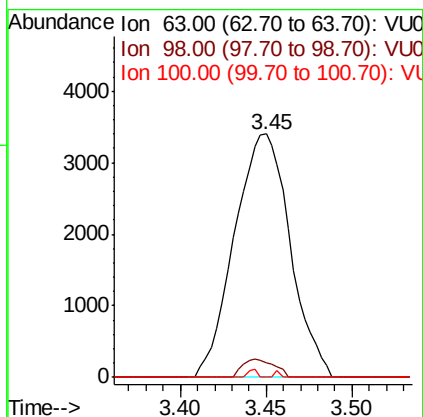
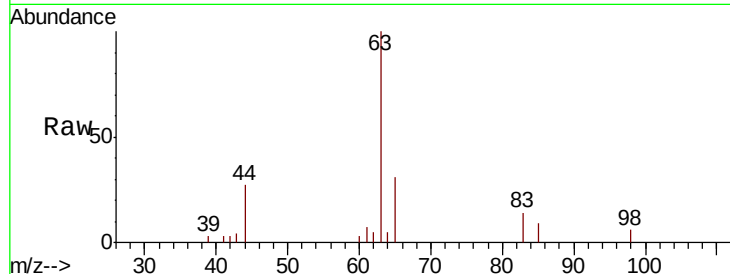




#17
 1,1-Dichloroethane
 Concen: 1.000 ug/l
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU027747.D
 Acq: 22 Oct 2018 18:21

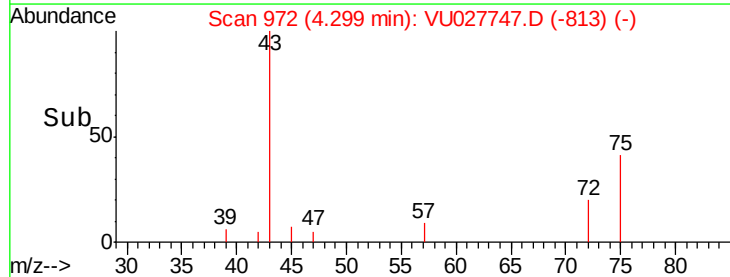
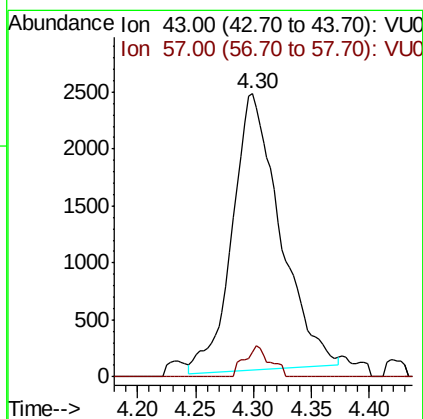
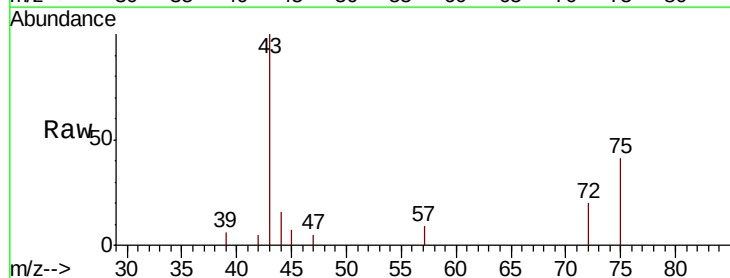
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

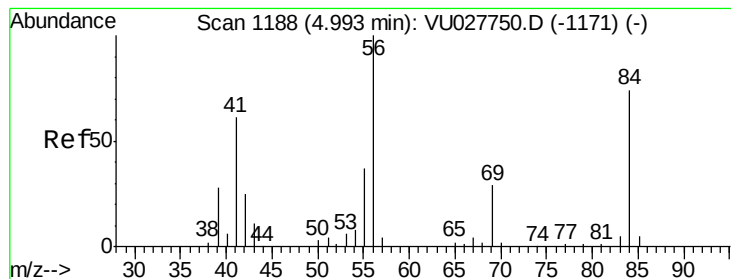
Tgt Ion: 63 Resp: 7656
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.8 8.4
 100 0.0 1.5 4.5#



#18
 2-Butanone
 Concen: 4.919 ug/l
 RT: 4.30 min Scan# 972
 Delta R.T. 0.01 min
 Lab File: VU027747.D
 Acq: 22 Oct 2018 18:21

Tgt Ion: 43 Resp: 6923
 Ion Ratio Lower Upper
 43 100
 57 9.0 0.0 14.4





#19

Cyclohexane

Concen: 0.917 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

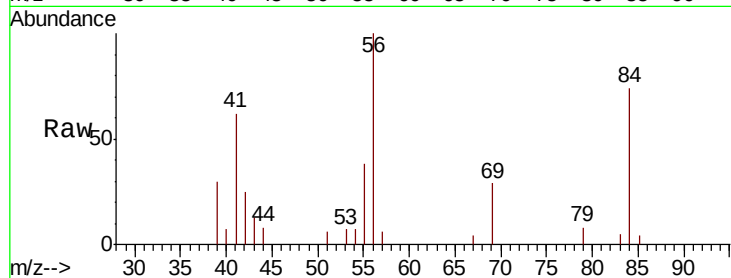
Tgt Ion: 56 Resp: 6424

Ion Ratio Lower Upper

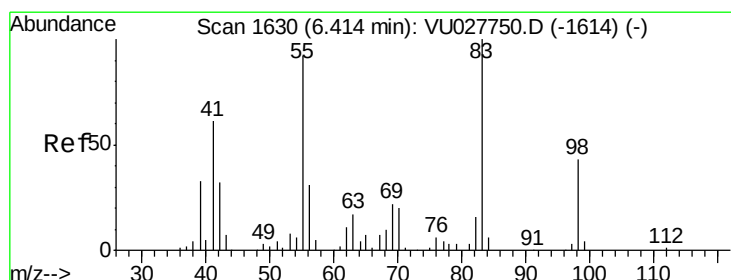
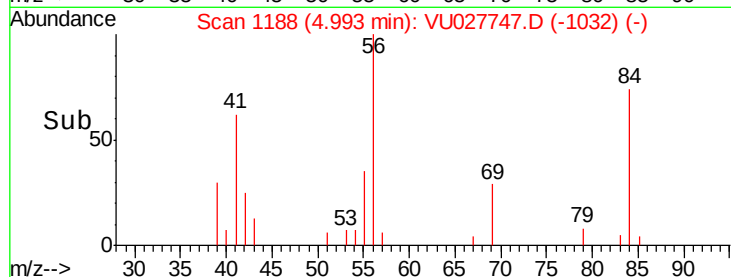
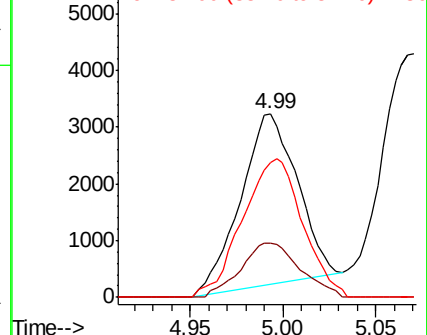
56 100

69 33.1 25.9 38.9

84 85.9 65.9 98.9



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#20

Methylcyclohexane

Concen: 0.968 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

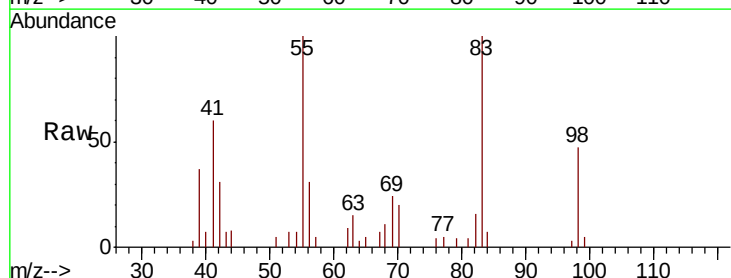
Tgt Ion: 83 Resp: 6624

Ion Ratio Lower Upper

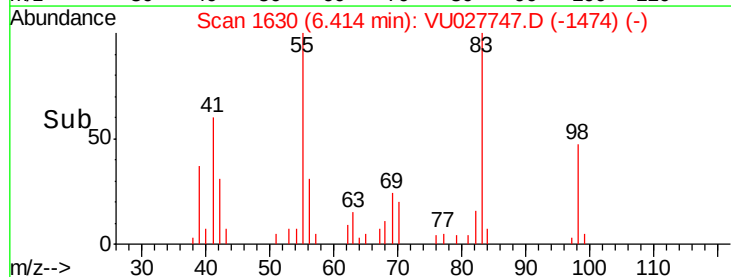
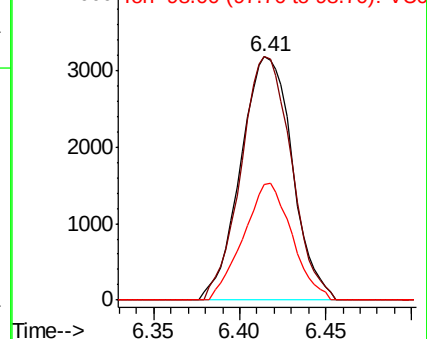
83 100

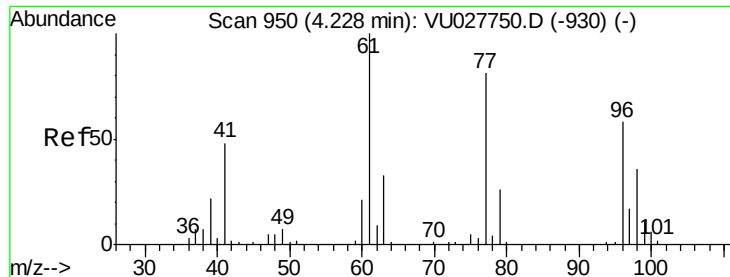
55 97.2 72.6 108.8

98 45.2 35.0 52.4



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

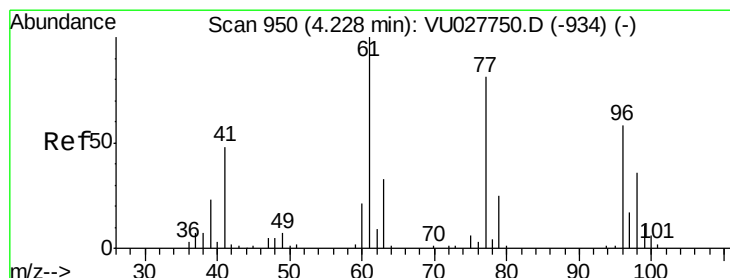
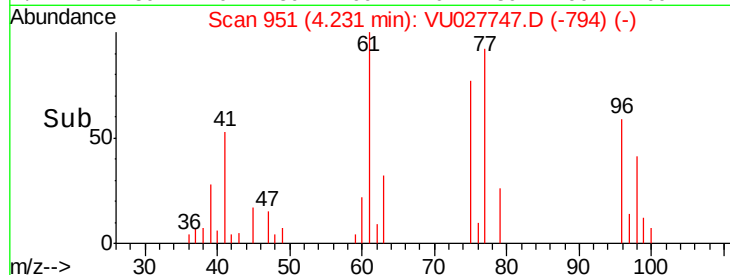
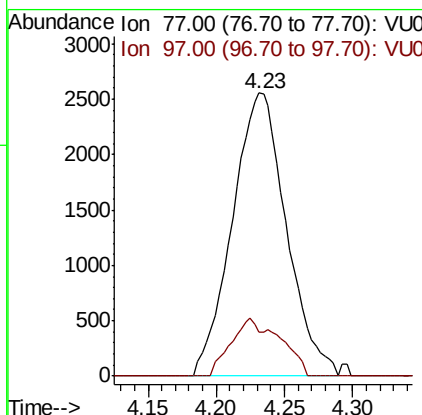
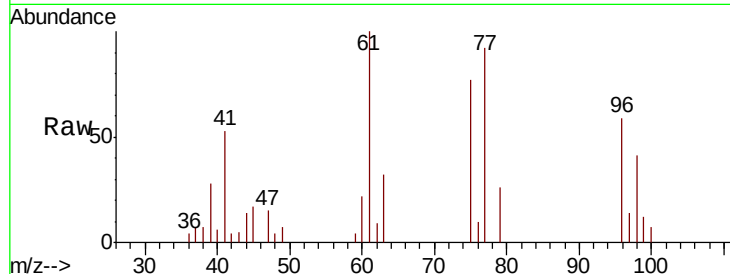




#21
 2,2-Dichloropropane
 Concen: 1.037 ug/l
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VU027747.D
 Acq: 22 Oct 2018 18:21

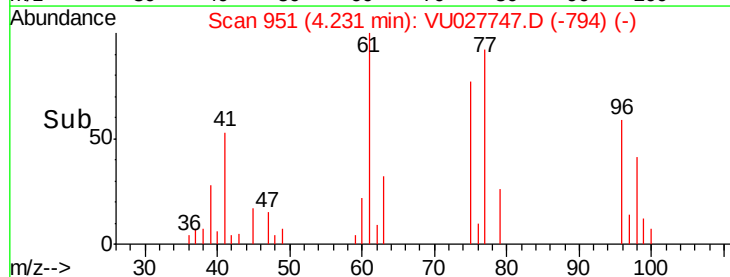
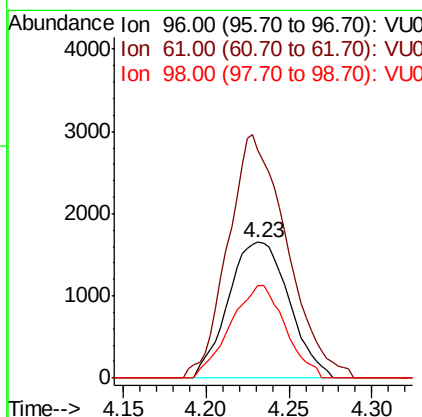
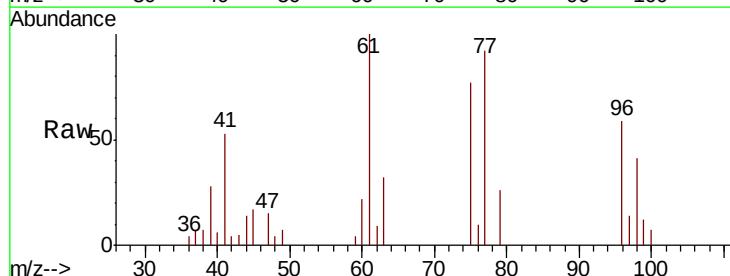
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

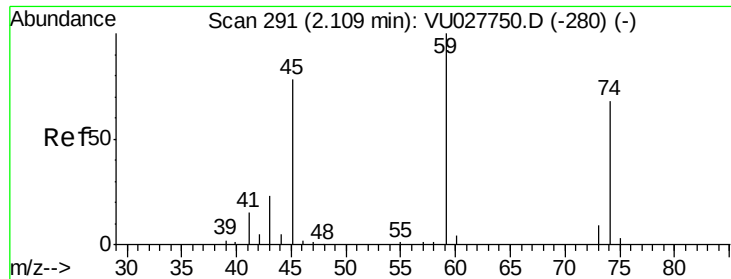
Tgt Ion: 77 Resp: 7032
 Ion Ratio Lower Upper
 77 100
 97 18.6 16.9 25.3



#22
 cis-1,2-Dichloroethene
 Concen: 1.015 ug/l
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VU027747.D
 Acq: 22 Oct 2018 18:21

Tgt Ion: 96 Resp: 4226
 Ion Ratio Lower Upper
 96 100
 61 173.4 0.0 444.0
 98 61.3 31.9 95.5





#23

Diethyl Ether

Concen: 0.978 ug/l

RT: 2.11 min Scan# 291

Delta R.T. 0.00 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

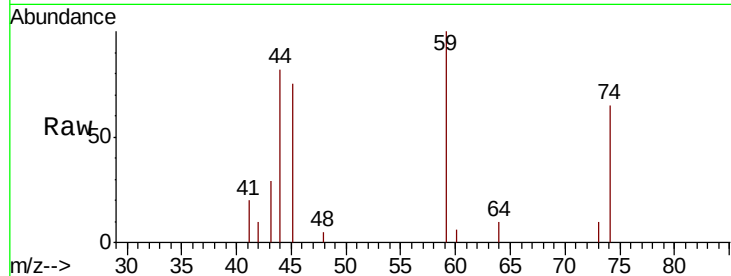
Tgt Ion: 59 Resp: 3013

Ion Ratio Lower Upper

59 100

45 86.7 64.6 96.8

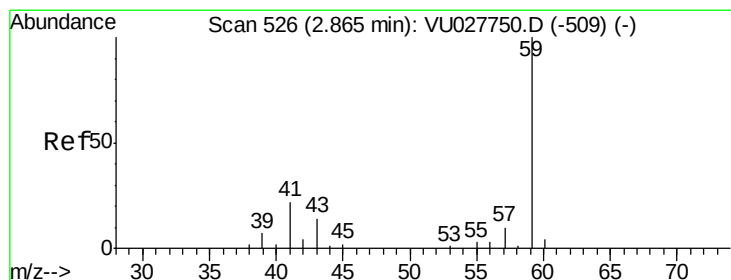
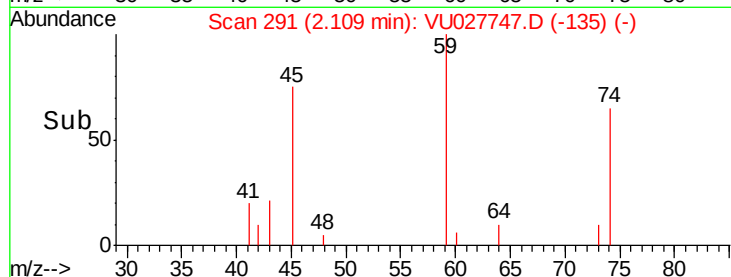
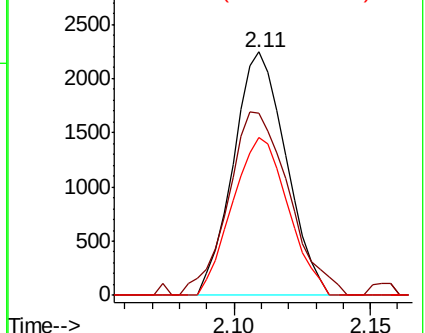
74 68.5 54.8 82.2



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: 4.677 ug/l

RT: 2.87 min Scan# 528

Delta R.T. 0.01 min

Lab File: VU027747.D

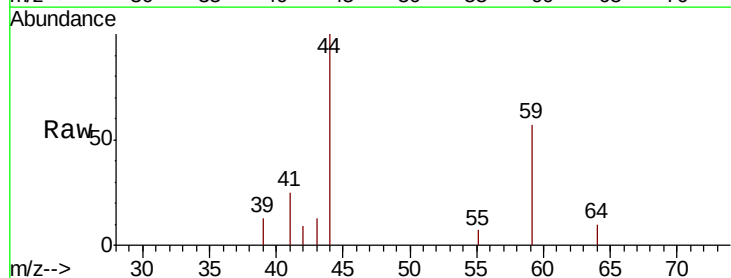
Acq: 22 Oct 2018 18:21

Tgt Ion: 59 Resp: 1380

Ion Ratio Lower Upper

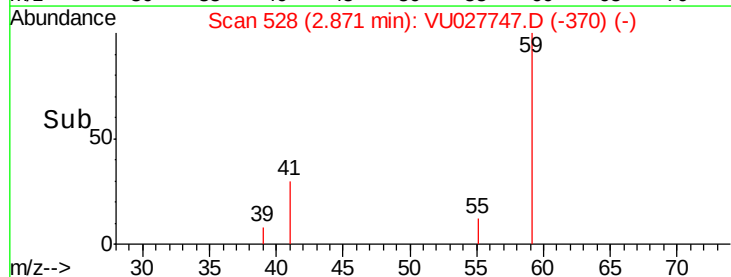
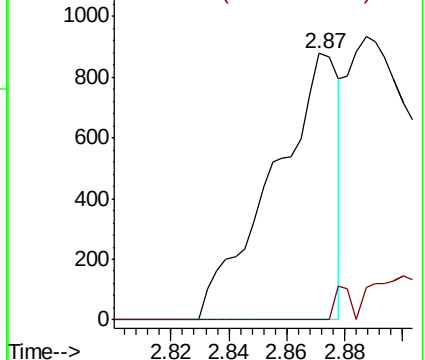
59 100

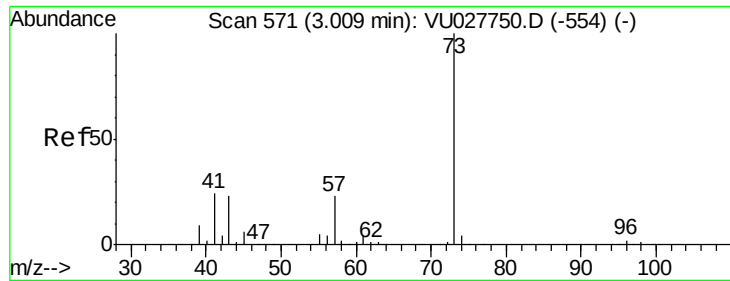
57 12.0 4.4 6.6#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#25

Methyl tert-Butyl Ether

Concen: 0.923 ug/l

RT: 3.01 min Scan# 571

Delta R.T. 0.00 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

Instrument :

MSVOA_U

ClientSampleId :

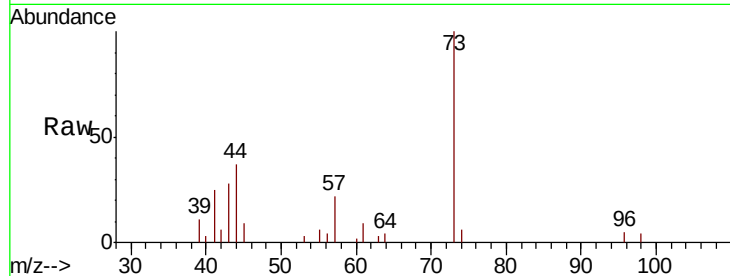
VSTDIC001

Tgt Ion: 73 Resp: 9549

Ion Ratio Lower Upper

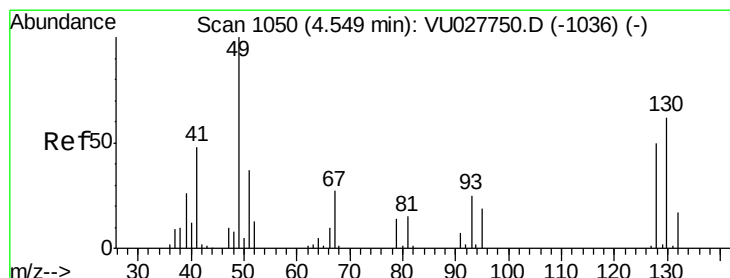
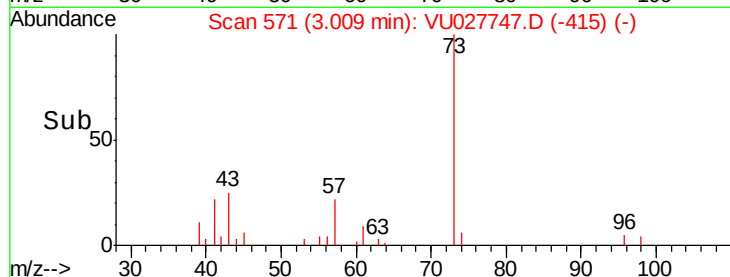
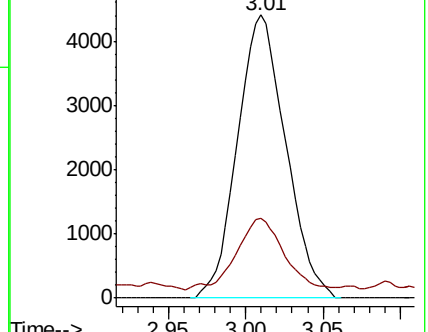
73 100

43 24.4 18.6 27.8



Abundance Ion 73.00 (72.70 to 73.70): VU027750.D (-554) (-)

Ion 43.00 (42.70 to 43.70): VU027750.D (-554) (-)



#26

Bromochloromethane

Concen: 0.940 ug/l

RT: 4.56 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

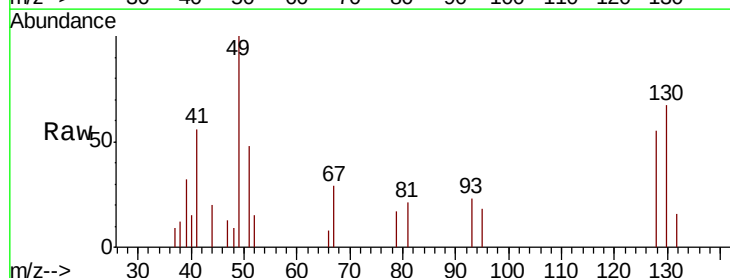
Tgt Ion: 128 Resp: 1584

Ion Ratio Lower Upper

128 100

49 212.2 0.0 427.6

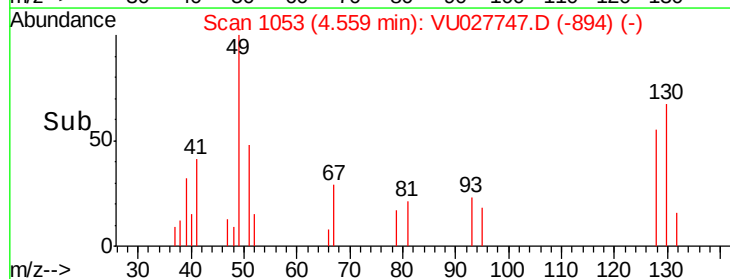
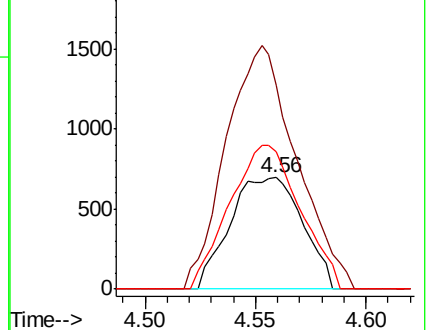
130 125.6 103.4 155.0

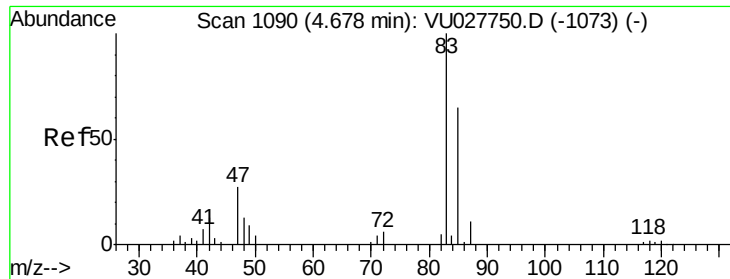


Abundance Ion 128.00 (127.70 to 128.70): VU027750.D (-1036) (-)

Ion 49.00 (48.70 to 49.70): VU027750.D (-1036) (-)

Ion 130.00 (129.70 to 130.70): VU027750.D (-1036) (-)

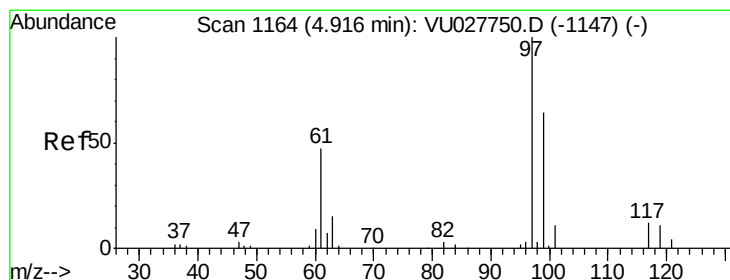
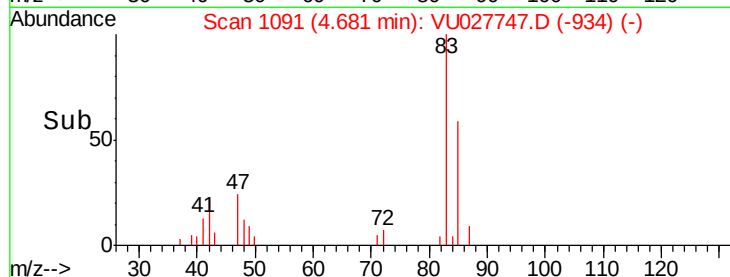
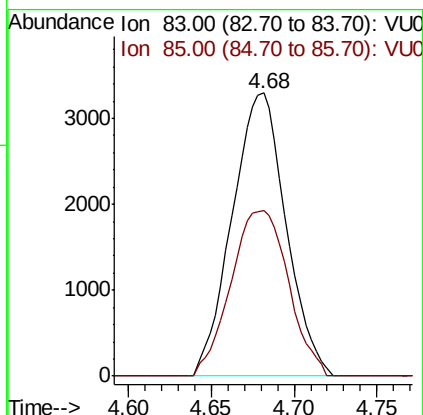
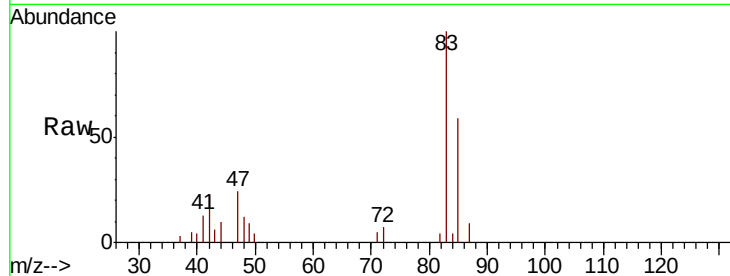




#27
Chloroform
Concen: 0.988 ug/l
RT: 4.68 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VU027747.D
Acq: 22 Oct 2018 18:21

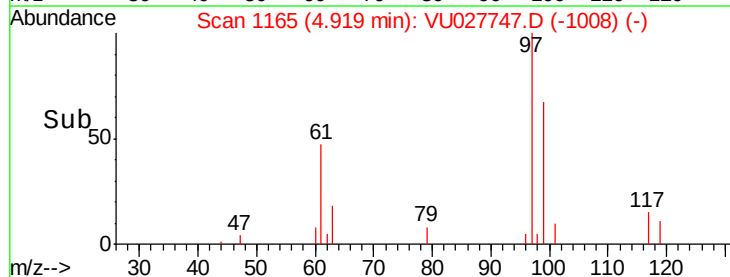
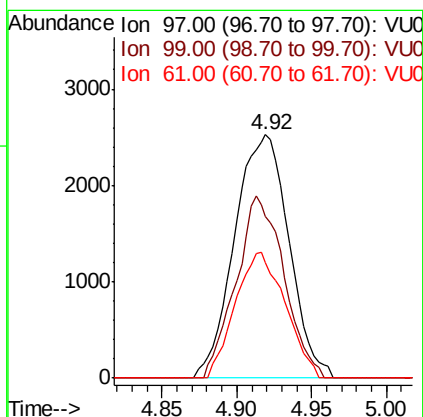
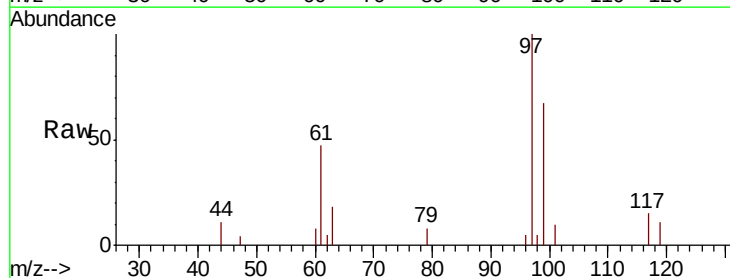
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

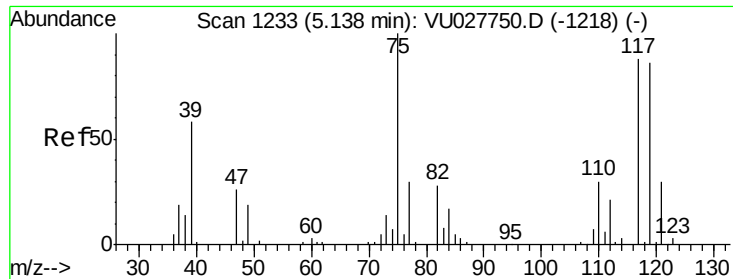
Tgt Ion: 83 Resp: 7456
Ion Ratio Lower Upper
83 100
85 58.5 0.0 130.2



#28
1,1,1-Trichloroethane
Concen: 0.978 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027747.D
Acq: 22 Oct 2018 18:21

Tgt Ion: 97 Resp: 6373
Ion Ratio Lower Upper
97 100
99 66.0 31.8 95.4
61 47.5 23.6 70.8

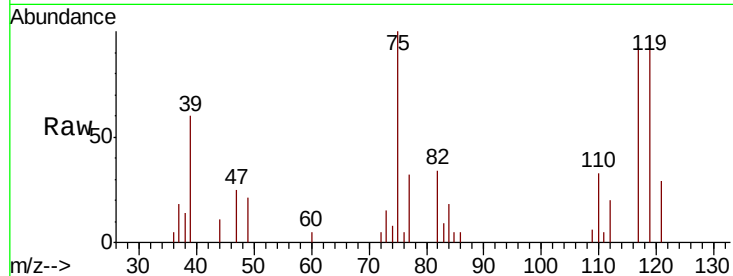




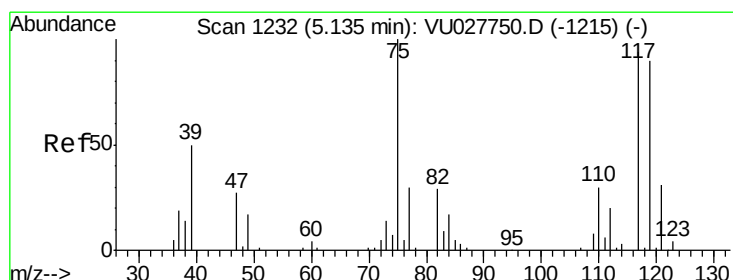
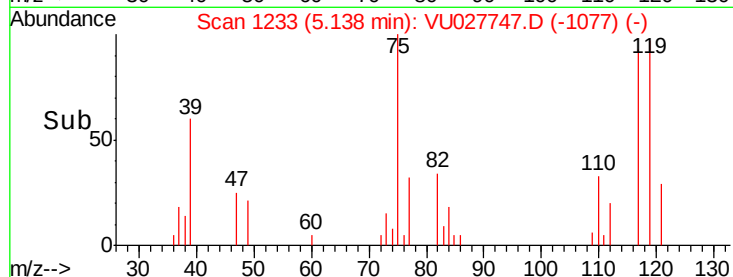
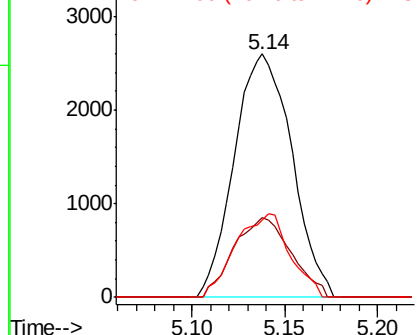
#29
 1,1-Dichloropropene
 Concen: 0.975 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027747.D
 Acq: 22 Oct 2018 18:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion: 75 Resp: 5594
 Ion Ratio Lower Upper
 75 100
 110 32.6 15.6 46.8
 77 32.3 24.5 36.7

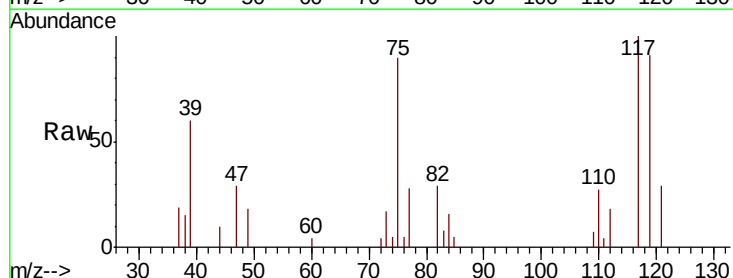


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VU0

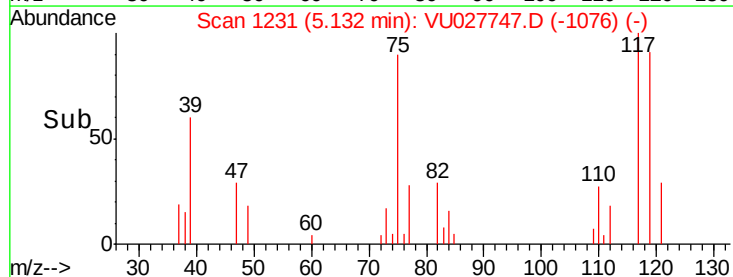
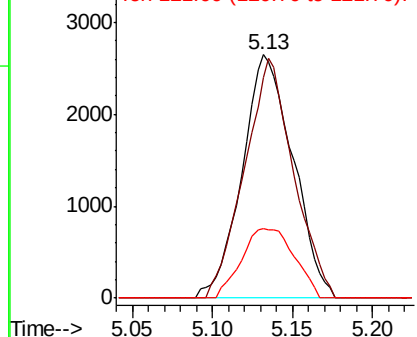


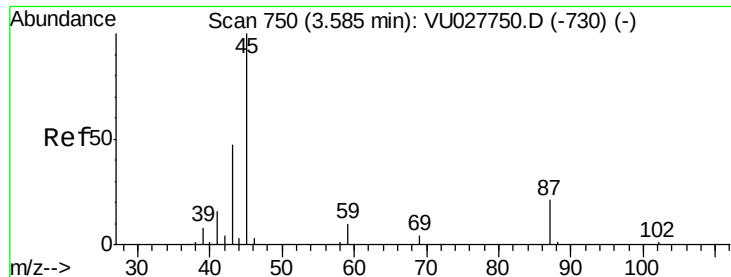
#30
 Carbon Tetrachloride
 Concen: 0.991 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VU027747.D
 Acq: 22 Oct 2018 18:21

Tgt Ion: 117 Resp: 5754
 Ion Ratio Lower Upper
 117 100
 119 90.8 76.2 114.4
 121 28.8 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: 0.938 ug/l

RT: 3.58 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

Instrument :

MSVOA_U

ClientSampleId :

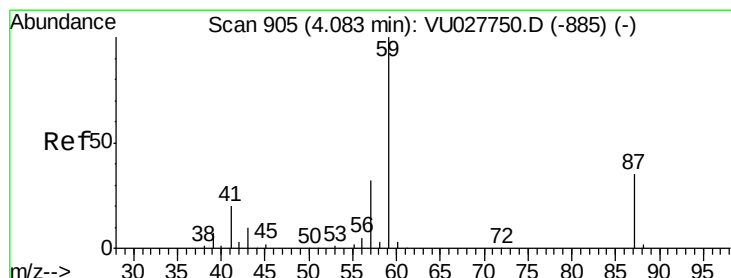
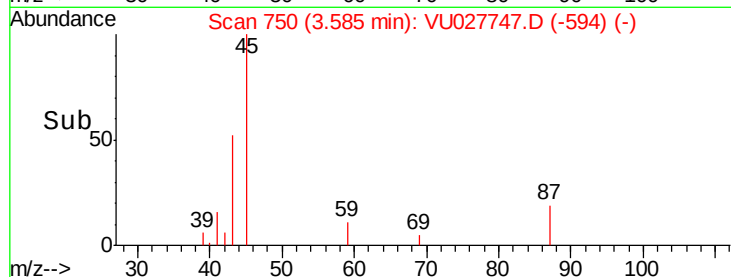
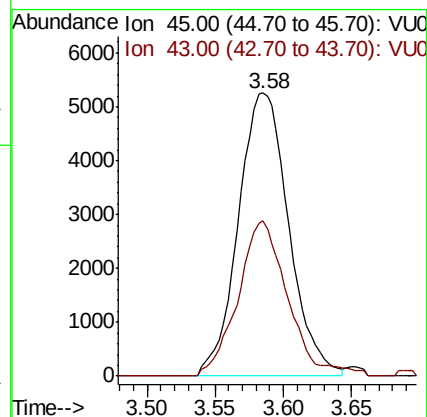
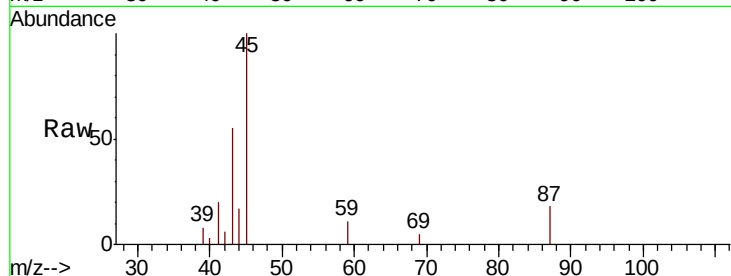
VSTDIC001

Tgt Ion: 45 Resp: 13480

Ion Ratio Lower Upper

45 100

43 54.1 24.5 73.5



#32

Ethyl-t-butyl ether

Concen: 0.948 ug/l

RT: 4.08 min Scan# 905

Delta R.T. 0.00 min

Lab File: VU027747.D

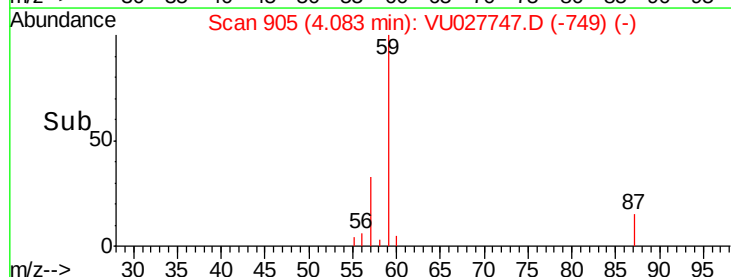
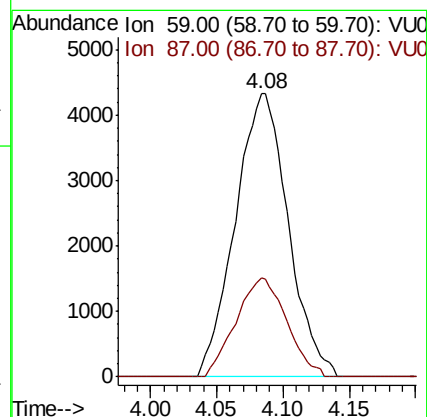
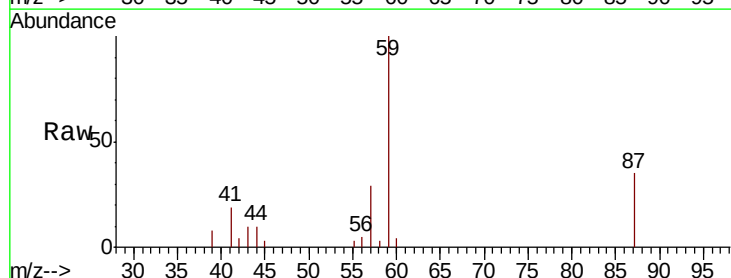
Acq: 22 Oct 2018 18:21

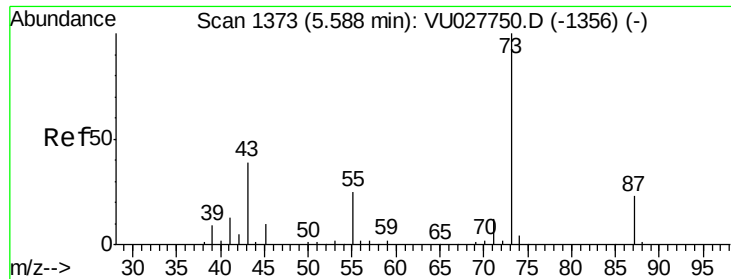
Tgt Ion: 59 Resp: 12023

Ion Ratio Lower Upper

59 100

87 33.5 29.4 44.0

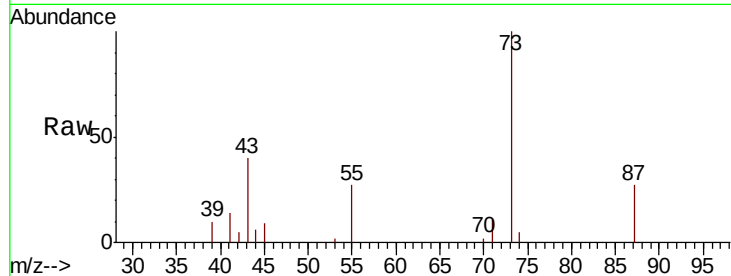




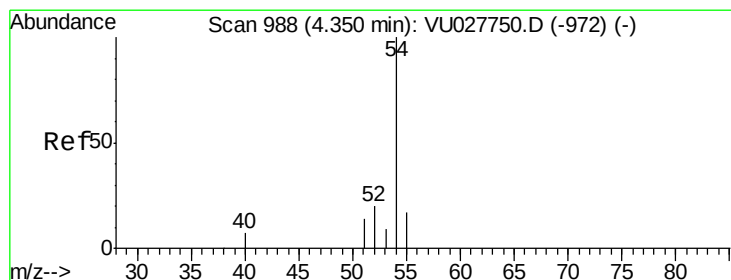
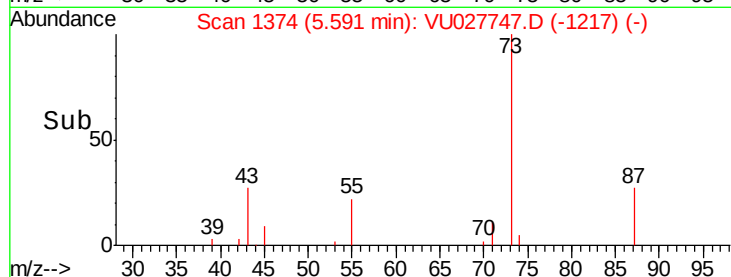
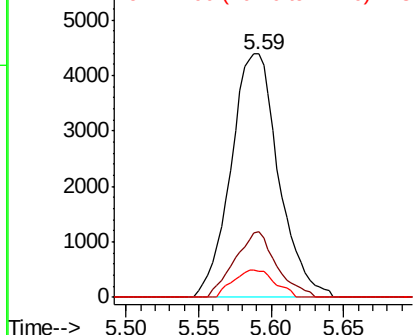
#33
Tert-Amyl methyl ether
Concen: 0.942 ug/l
RT: 5.59 min Scan# 1374
Delta R.T. 0.00 min
Lab File: VU027747.D
Acq: 22 Oct 2018 18:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 73 Resp: 10033
Ion Ratio Lower Upper
73 100
87 23.7 18.5 27.7
71 9.8 9.1 13.7

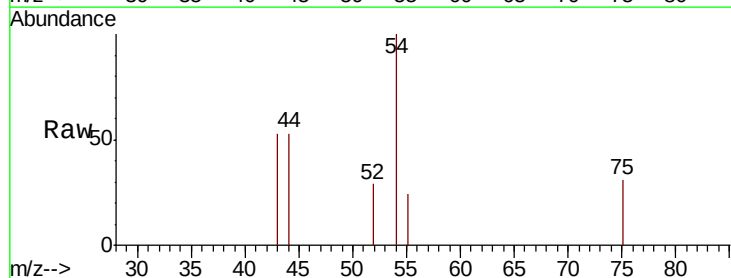


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

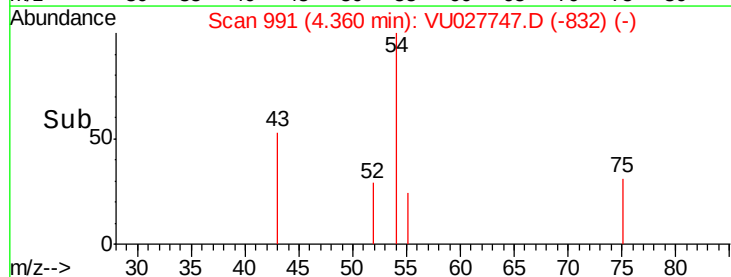
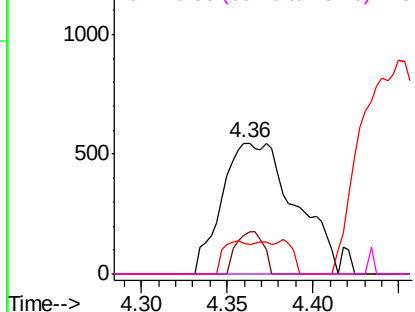


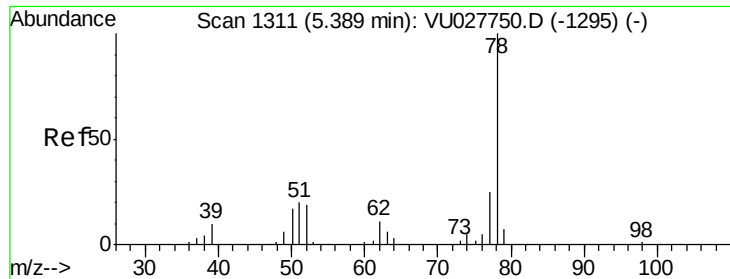
#34
Propionitrile
Concen: 4.278 ug/l
RT: 4.36 min Scan# 991
Delta R.T. 0.01 min
Lab File: VU027747.D
Acq: 22 Oct 2018 18:21

Tgt Ion: 54 Resp: 1617
Ion Ratio Lower Upper
54 100
52 12.0 15.5 23.3#
55 8.9 12.6 18.8#
40 21.5 6.1 9.1#



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





#35

Benzene

Concen: 0.976 ug/l

RT: 5.40 min Scan# 1313

Delta R.T. 0.01 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

Instrument :

MSVOA_U

ClientSampleId :

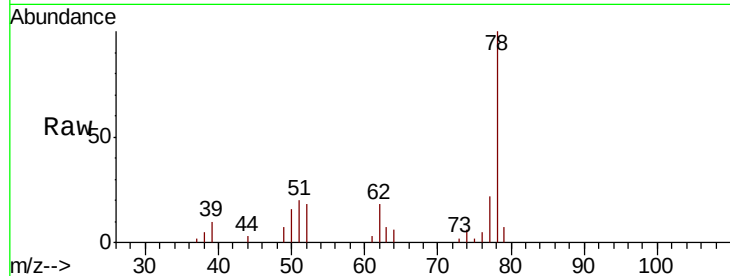
VSTDIC001

Tgt Ion: 78 Resp: 15759

Ion Ratio Lower Upper

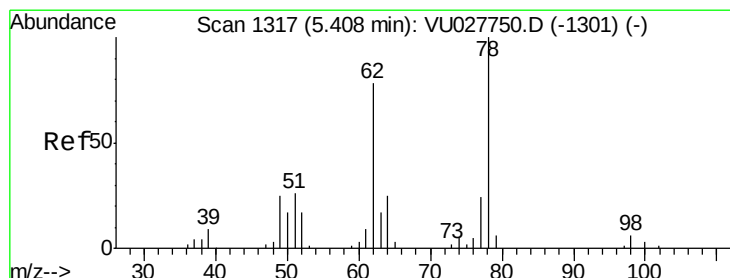
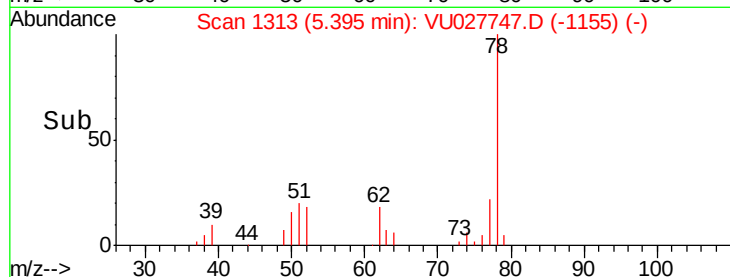
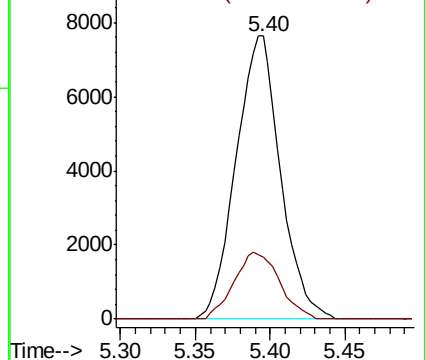
78 100

77 21.7 19.9 29.9



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 1.060 ug/l

RT: 5.41 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VU027747.D

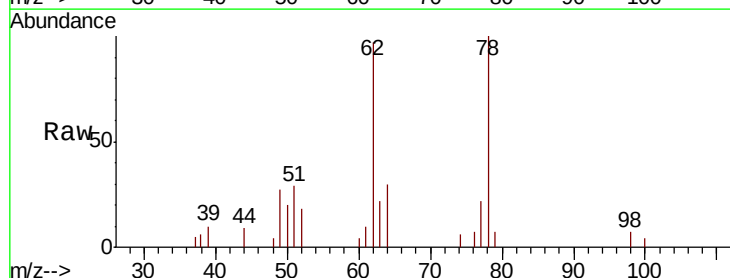
Acq: 22 Oct 2018 18:21

Tgt Ion: 62 Resp: 5458

Ion Ratio Lower Upper

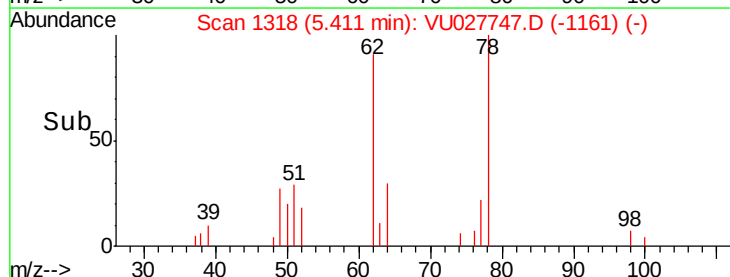
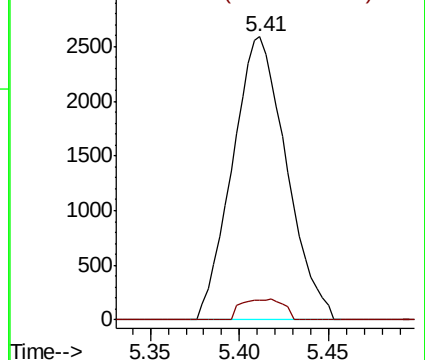
62 100

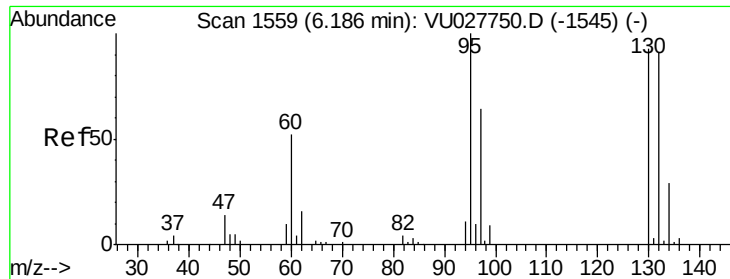
98 5.8 5.8 8.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

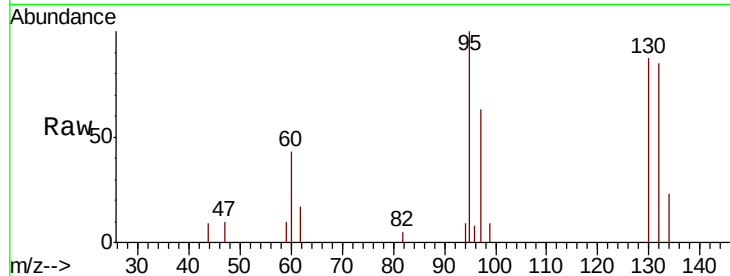




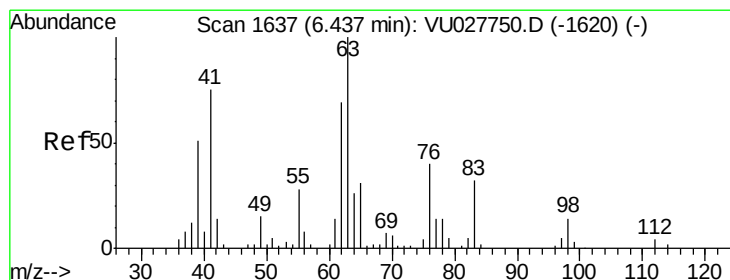
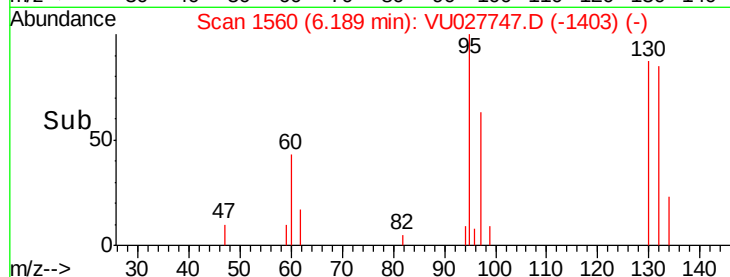
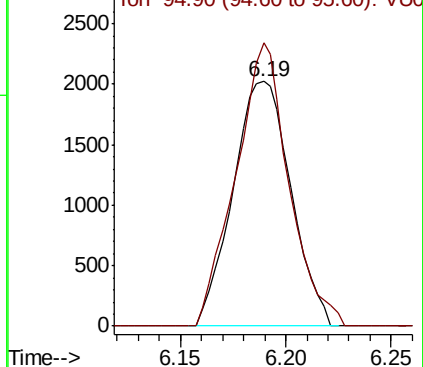
#37
 Trichloroethene
 Concen: 0.972 ug/l
 RT: 6.19 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VU027747.D
 Acq: 22 Oct 2018 18:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:130 Resp: 3865
 Ion Ratio Lower Upper
 130 100
 95 115.6 86.4 129.6

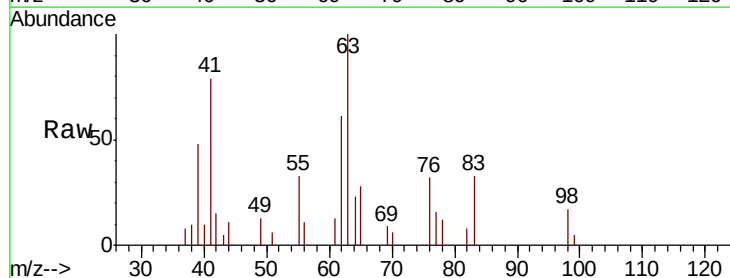


Abundance Ion 129.90 (129.60 to 130.60): VU027750.D (-1545) (-)
 Ion 94.90 (94.60 to 95.60): VU027750.D (-1545) (-)

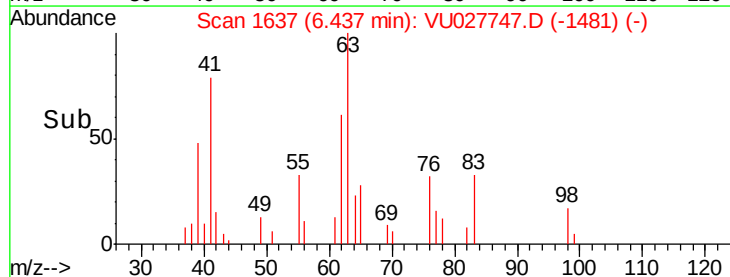
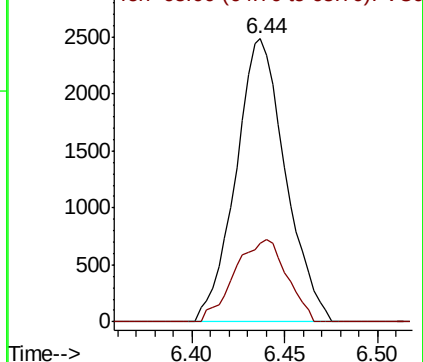


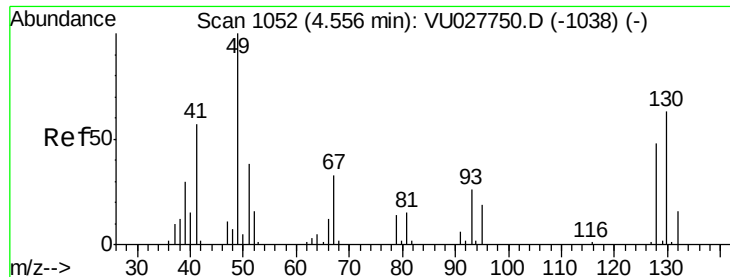
#38
 1,2-Dichloropropane
 Concen: 1.015 ug/l
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027747.D
 Acq: 22 Oct 2018 18:21

Tgt Ion: 63 Resp: 4624
 Ion Ratio Lower Upper
 63 100
 65 27.5 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VU027750.D (-1620) (-)
 Ion 65.00 (64.70 to 65.70): VU027750.D (-1620) (-)

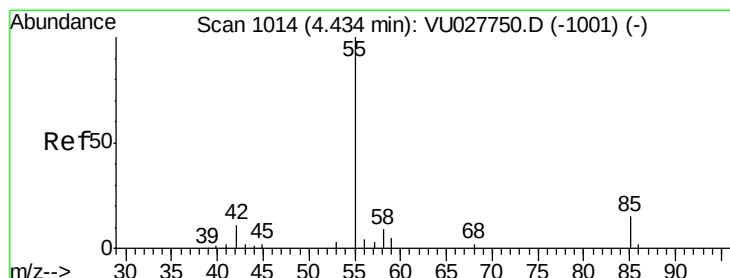
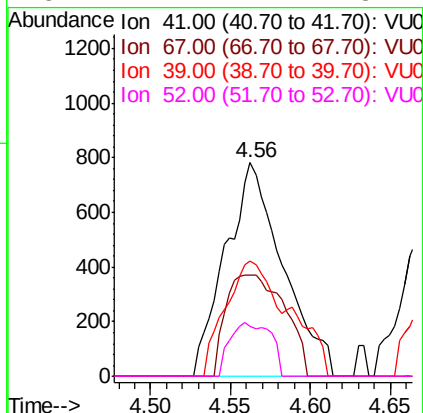
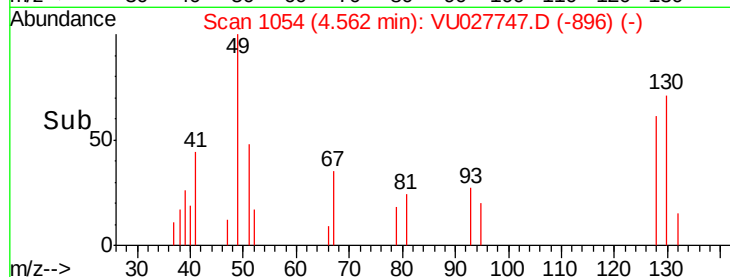
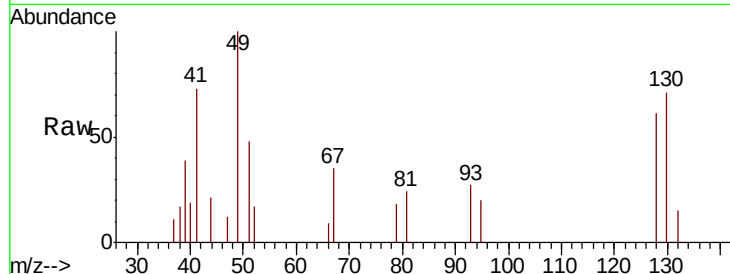




#39
Methacrylonitrile
Concen: 1.034 ug/l
RT: 4.56 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VU027747.D
Acq: 22 Oct 2018 18:21

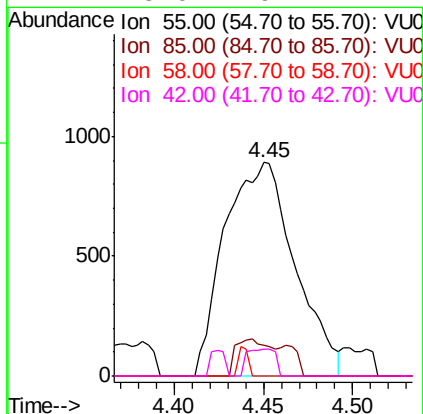
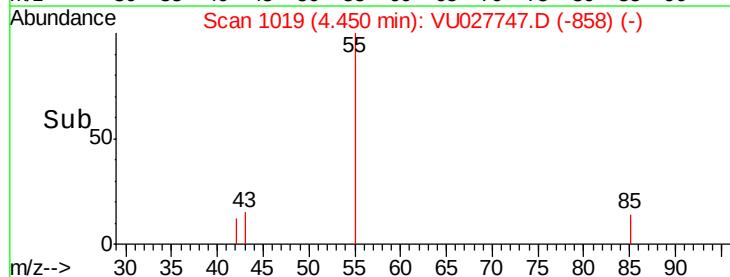
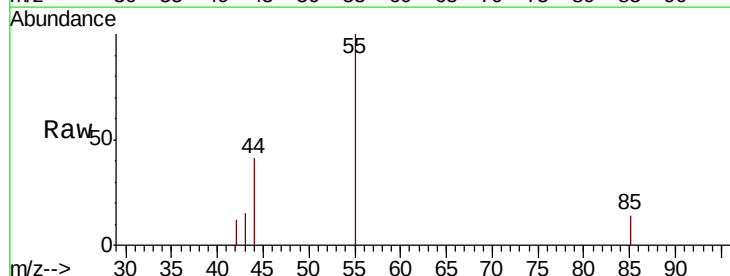
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

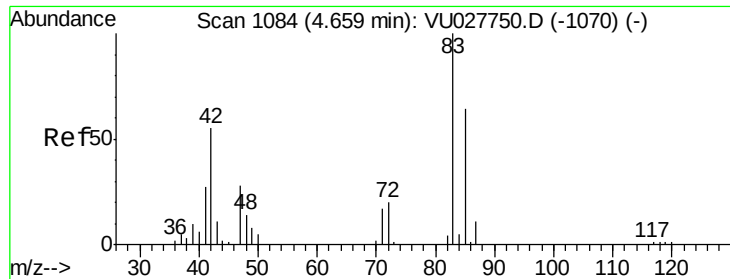
Tgt Ion:	41	Resp:	1925
Ion	Ratio	Lower	Upper
41	100		
67	48.2	46.1	69.1
39	44.5	43.6	65.4
52	17.7	21.4	32.2#



#40
Methyl acrylate
Concen: 0.968 ug/l
RT: 4.45 min Scan# 1019
Delta R.T. 0.02 min
Lab File: VU027747.D
Acq: 22 Oct 2018 18:21

Tgt Ion:	55	Resp:	2445
Ion	Ratio	Lower	Upper
55	100		
85	8.4	11.8	17.6#
58	1.9	7.0	10.4#
42	5.0	9.4	14.2#

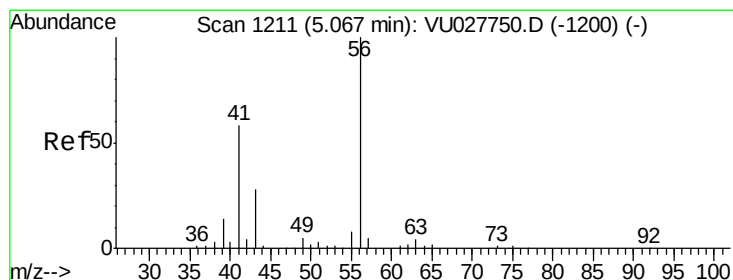
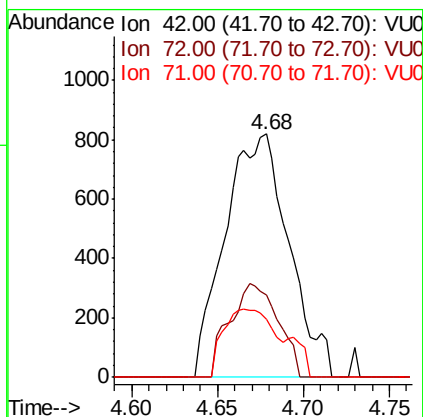
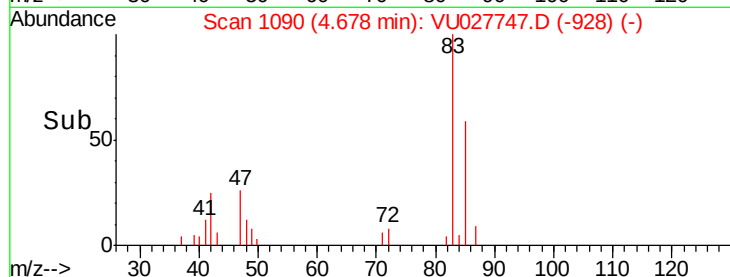
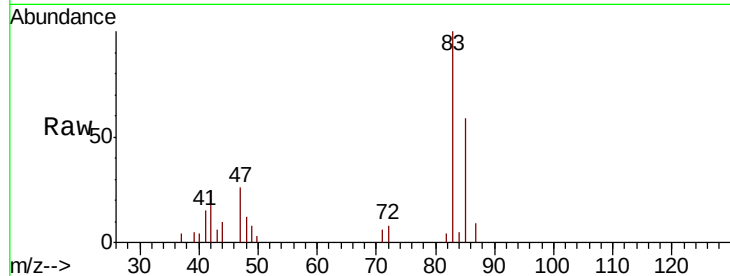




#41
Tetrahydrofuran
Concen: 2.124 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.02 min
Lab File: VU027747.D
Acq: 22 Oct 2018 18:21

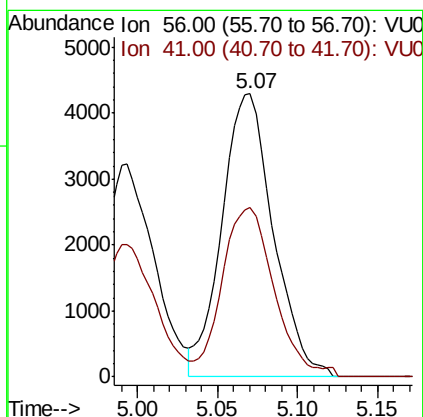
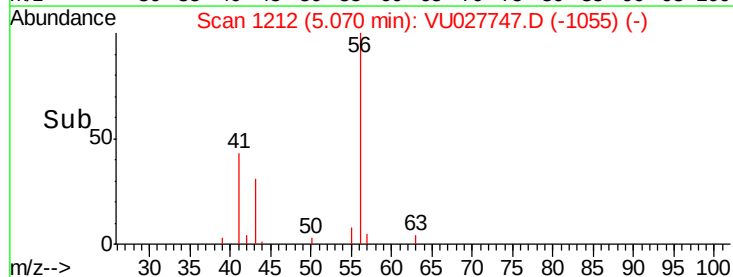
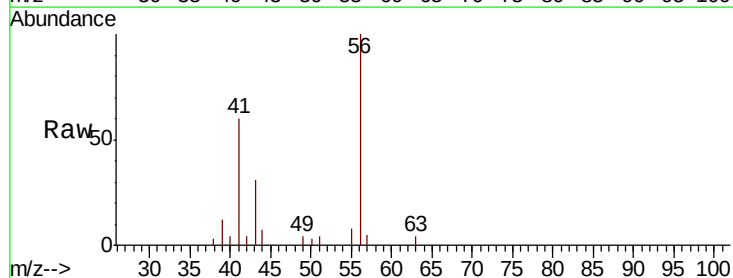
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

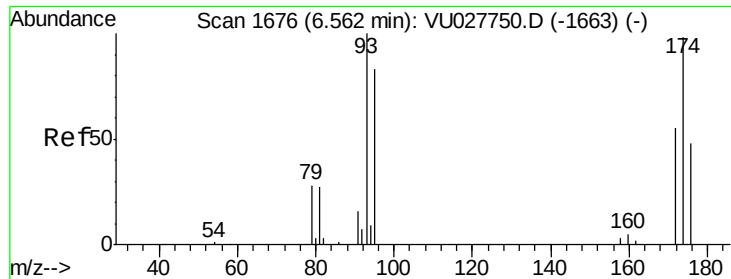
Tgt Ion: 42 Resp: 2125
Ion Ratio Lower Upper
42 100
72 29.1 30.6 45.8#
71 21.8 25.2 37.8#



#42
1-Chlorobutane
Concen: 1.052 ug/l
RT: 5.07 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VU027747.D
Acq: 22 Oct 2018 18:21

Tgt Ion: 56 Resp: 9451
Ion Ratio Lower Upper
56 100
41 60.3 29.4 88.2





#43

Dibromomethane

Concen: 0.964 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

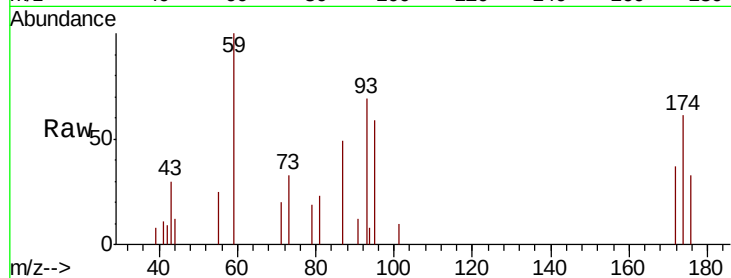
Tgt Ion: 93 Resp: 1956

Ion Ratio Lower Upper

93 100

95 83.1 64.2 96.2

174 94.3 76.7 115.1



Abundance Ion 93.00 (92.70 to 93.70): VU027750.D (-1663) (-)

Ion 95.00 (94.70 to 95.70): VU027750.D (-1663) (-)

Ion 174.00 (173.70 to 174.70): VU027750.D (-1663) (-)

Time-->

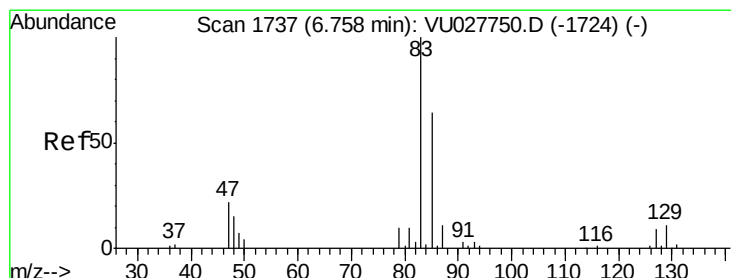
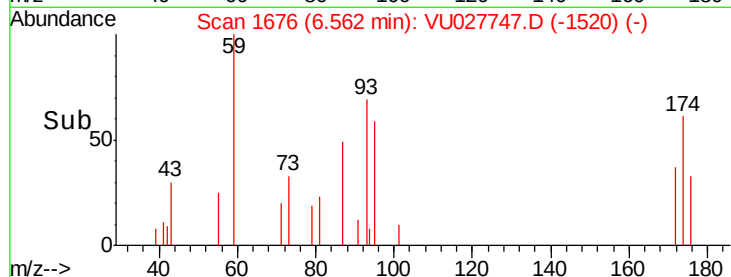
6.50 6.55 6.60

6.56

1000

500

0



#44

Bromodichloromethane

Concen: 0.985 ug/l

RT: 6.76 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

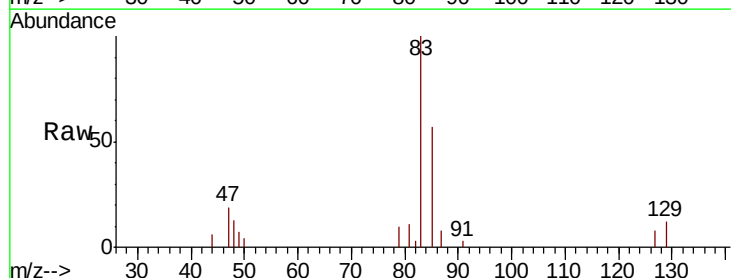
Tgt Ion: 83 Resp: 5369

Ion Ratio Lower Upper

83 100

85 56.8 51.5 77.3

127 7.8 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VU027750.D (-1724) (-)

Ion 85.00 (84.70 to 85.70): VU027750.D (-1724) (-)

Ion 127.00 (126.70 to 127.70): VU027750.D (-1724) (-)

Time-->

6.70 6.75 6.80

6.76

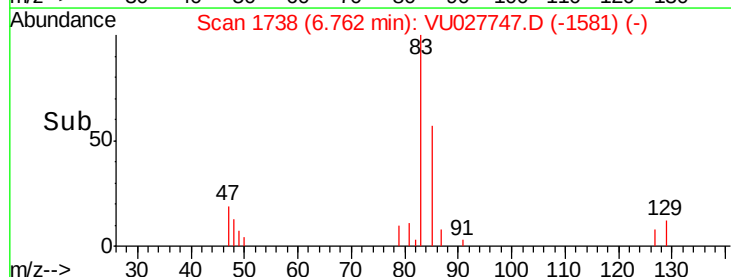
4000

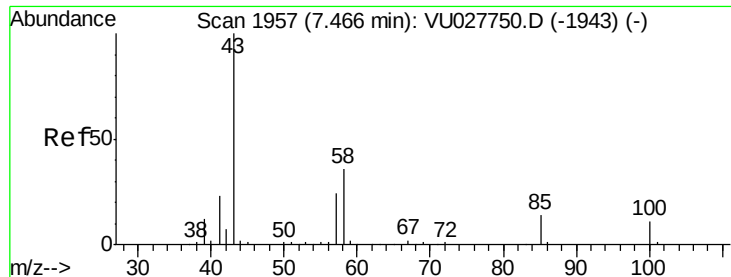
3000

2000

1000

0

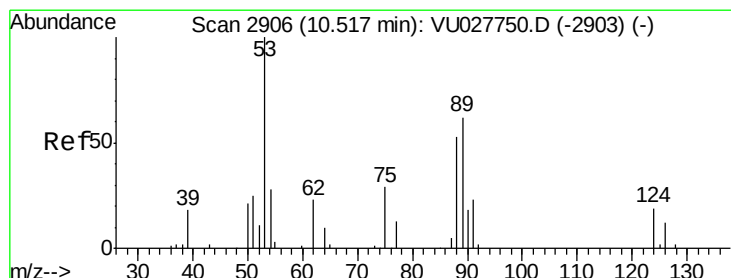
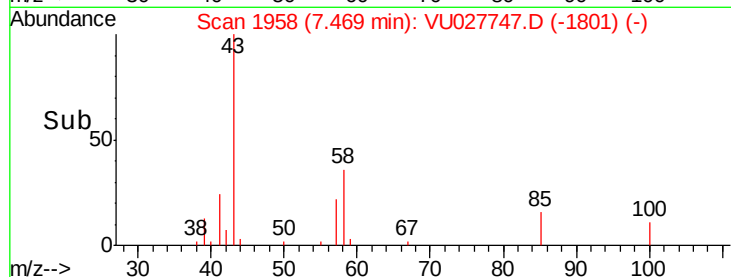
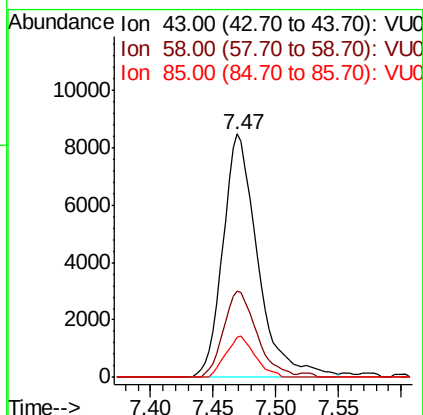
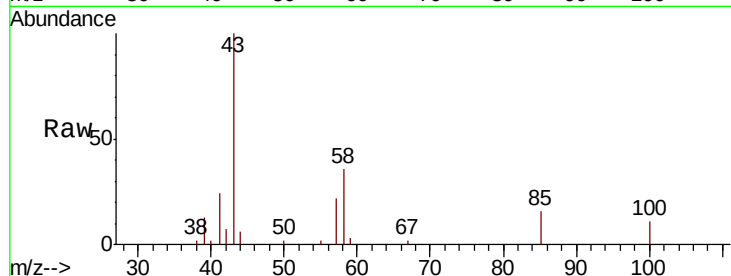




#45
4-Methyl-2-Pentanone
Concen: 4.771 ug/l
RT: 7.47 min Scan# 1958
Delta R.T. 0.00 min
Lab File: VU027747.D
Acq: 22 Oct 2018 18:21

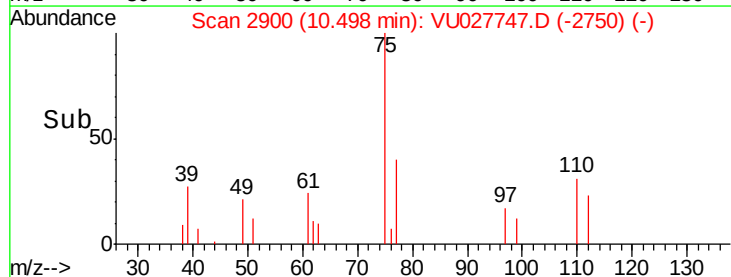
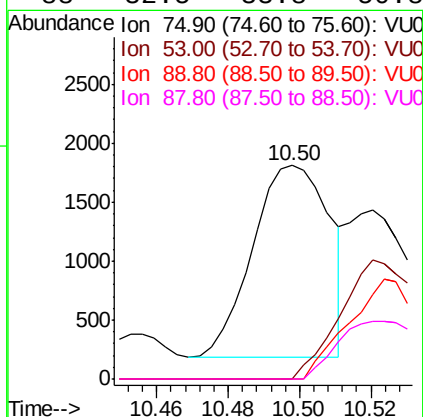
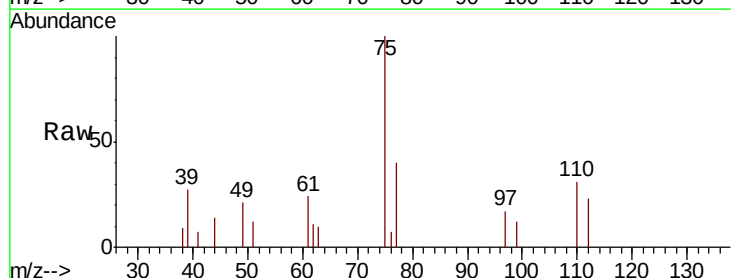
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

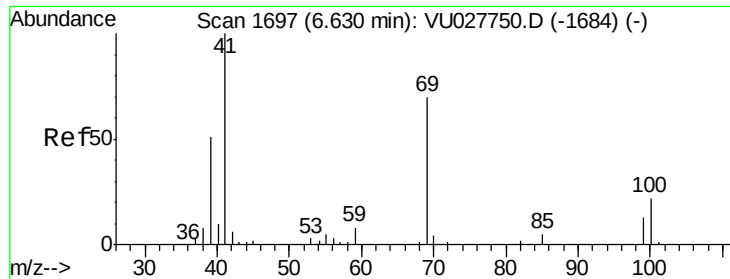
Tgt Ion: 43 Resp: 16386
Ion Ratio Lower Upper
43 100
58 33.5 17.9 53.8
85 14.0 11.4 17.0



#46
t-1,4-Dichloro-2-butene
Concen: 1.919 ug/l
RT: 10.50 min Scan# 2900
Delta R.T. -0.02 min
Lab File: VU027747.D
Acq: 22 Oct 2018 18:21

Tgt Ion: 75 Resp: 2437
Ion Ratio Lower Upper
75 100
53 67.4 68.2 102.4#
89 46.5 41.8 62.6
88 32.5 33.8 50.8#





#47

Methyl methacrylate

Concen: 1.850 ug/l

RT: 6.63 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 69 Resp: 4153

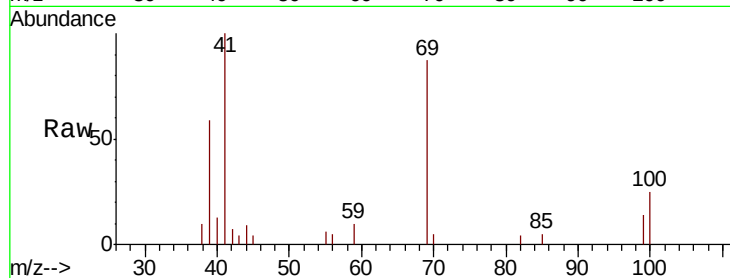
Ion Ratio Lower Upper

69 100

41 142.3 0.0 281.2

39 75.0 58.6 88.0

100 28.1 24.8 37.2

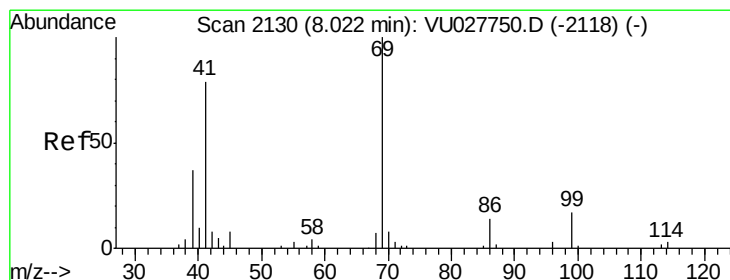
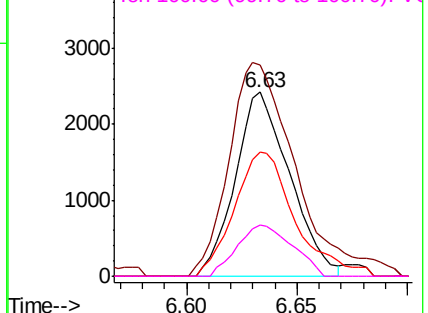
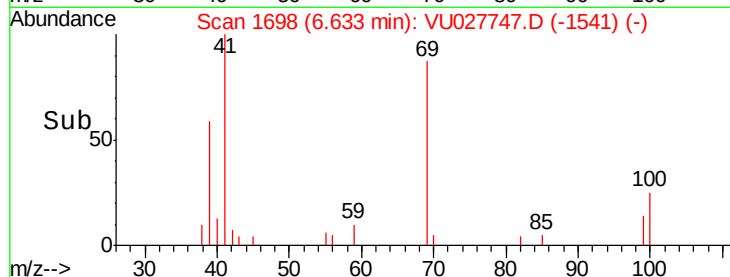


Abundance Ion 69.00 (68.70 to 69.70): VU027747.D (-1541) (-)

Ion 41.00 (40.70 to 41.70): VU027747.D (-1541) (-)

Ion 39.00 (38.70 to 39.70): VU027747.D (-1541) (-)

Ion 100.00 (99.70 to 100.70): VU027747.D (-1541) (-)



#48

Ethyl methacrylate

Concen: 0.836 ug/l

RT: 8.03 min Scan# 2131

Delta R.T. 0.00 min

Lab File: VU027747.D

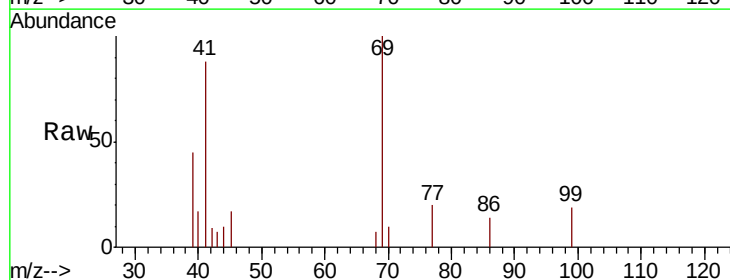
Acq: 22 Oct 2018 18:21

Tgt Ion: 69 Resp: 4018

Ion Ratio Lower Upper

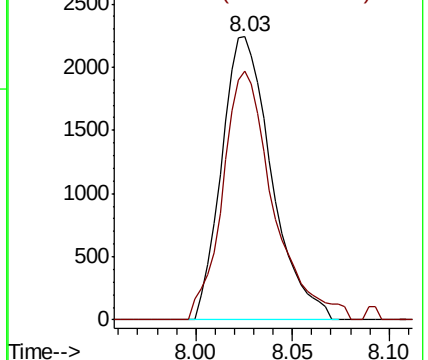
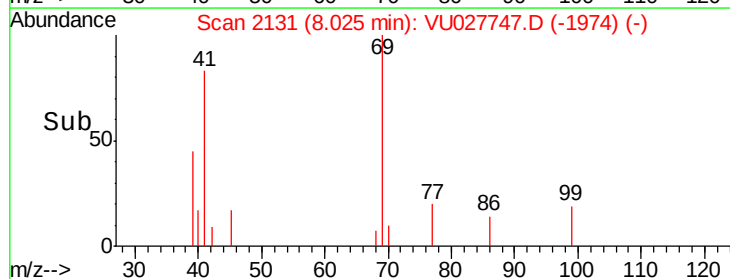
69 100

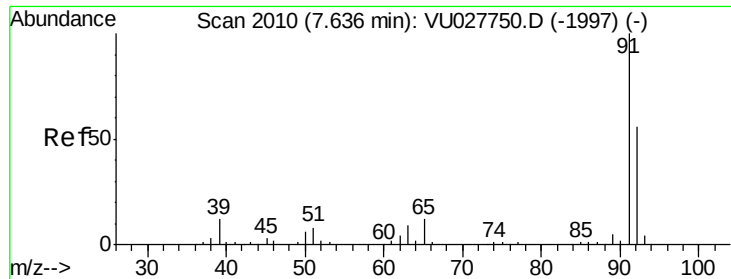
41 88.8 39.1 117.2



Abundance Ion 69.00 (68.70 to 69.70): VU027747.D (-1974) (-)

Ion 41.00 (40.70 to 41.70): VU027747.D (-1974) (-)





#49

Toluene

Concen: 0.938 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

Instrument :

MSVOA_U

ClientSampleId :

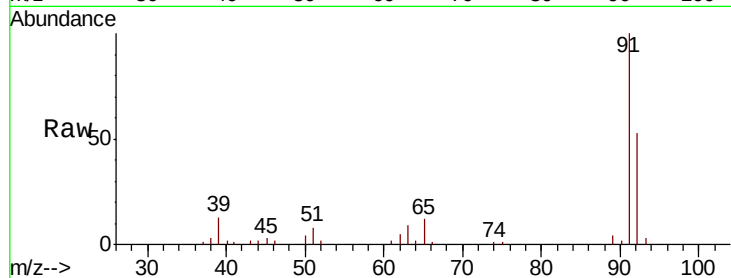
VSTDIC001

Tgt Ion: 92 Resp: 9171

Ion Ratio Lower Upper

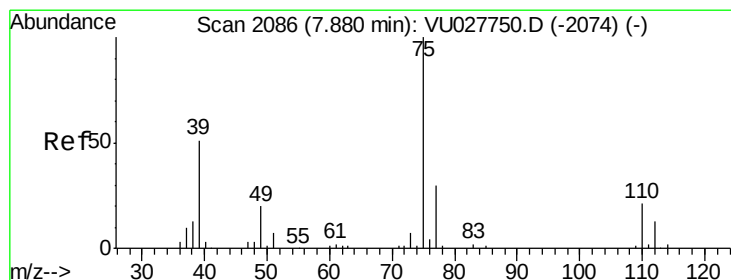
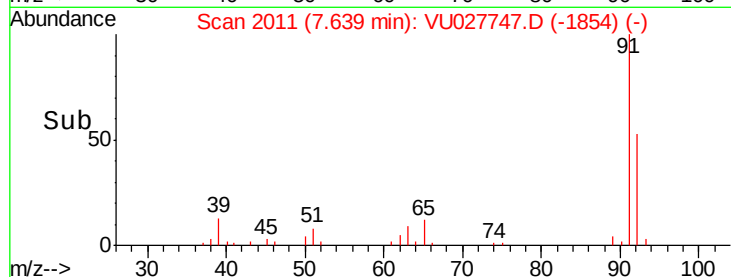
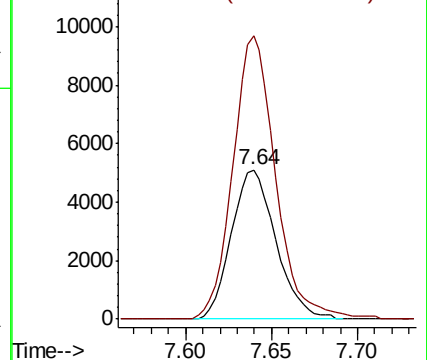
92 100

91 182.2 141.8 212.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 0.947 ug/l

RT: 7.89 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VU027747.D

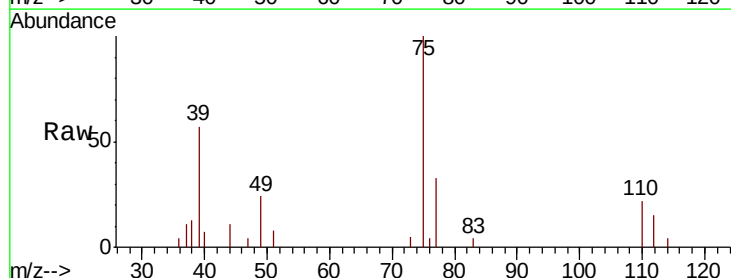
Acq: 22 Oct 2018 18:21

Tgt Ion: 75 Resp: 5246

Ion Ratio Lower Upper

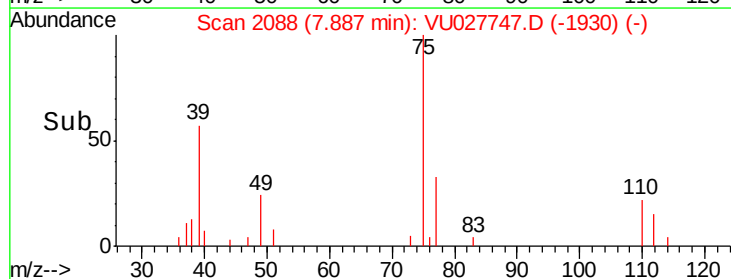
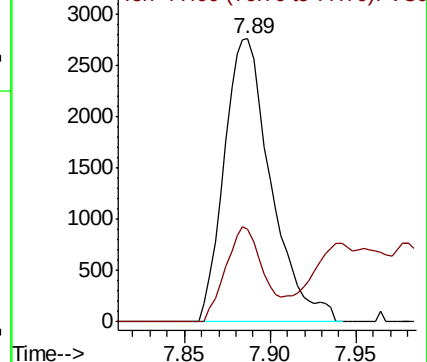
75 100

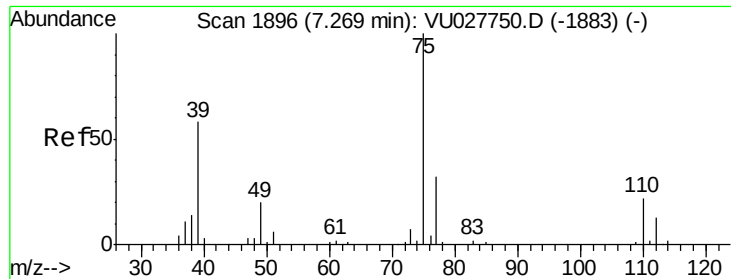
77 32.8 24.1 36.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

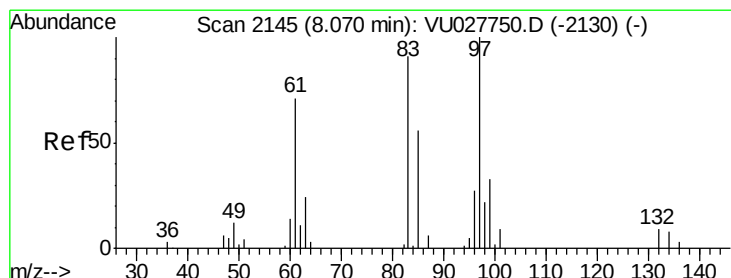
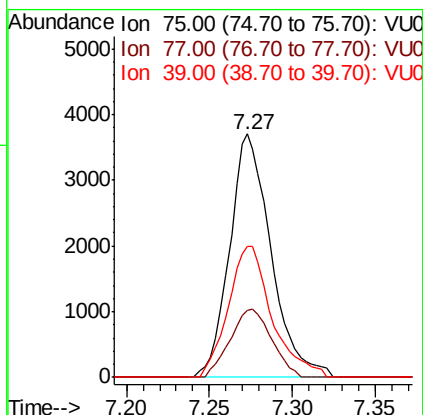
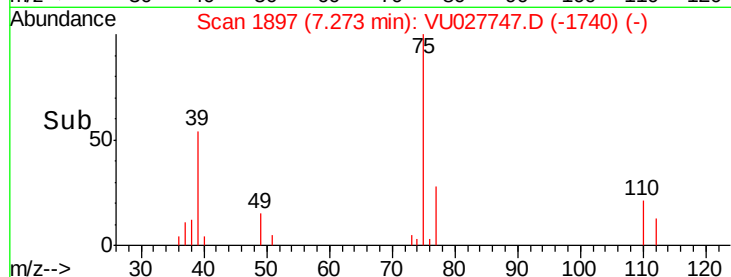
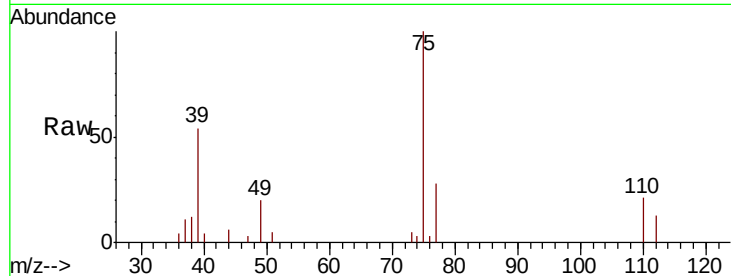




#51
 cis-1,3-Dichloropropene
 Concen: 0.980 ug/l
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU027747.D
 Acq: 22 Oct 2018 18:21

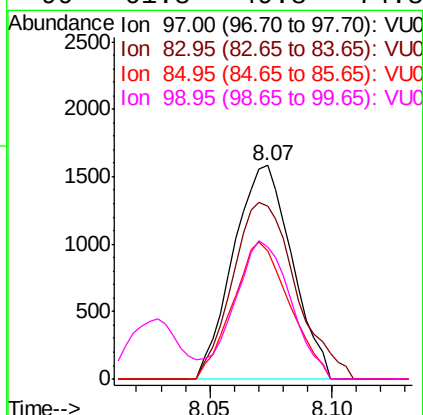
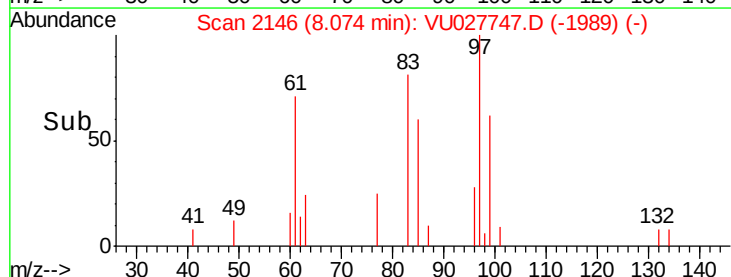
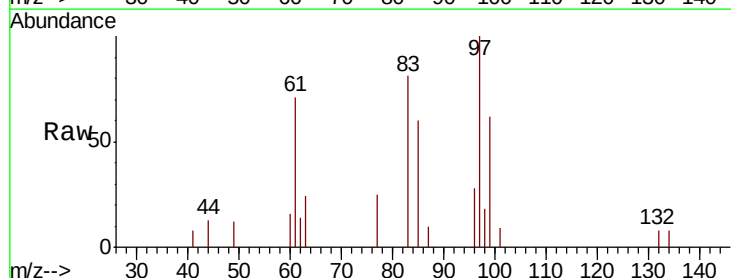
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

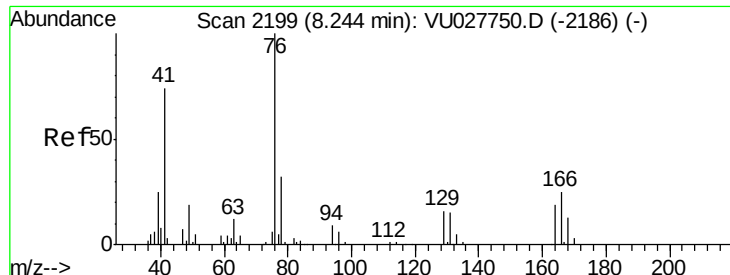
Tgt Ion: 75 Resp: 6436
 Ion Ratio Lower Upper
 75 100
 77 27.5 25.3 37.9
 39 54.0 46.4 69.6



#52
 1,1,2-Trichloroethane
 Concen: 0.919 ug/l
 RT: 8.07 min Scan# 2146
 Delta R.T. 0.00 min
 Lab File: VU027747.D
 Acq: 22 Oct 2018 18:21

Tgt Ion: 97 Resp: 2638
 Ion Ratio Lower Upper
 97 100
 83 80.7 73.0 109.6
 85 59.9 46.5 69.7
 99 61.8 49.8 74.8

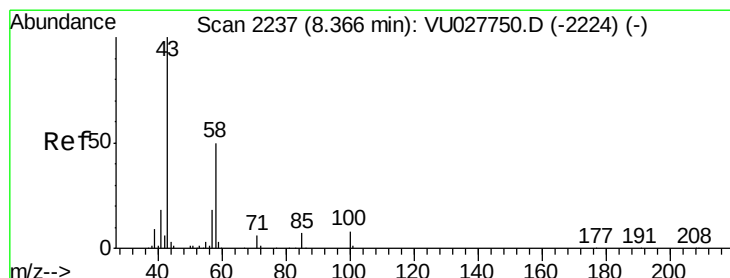
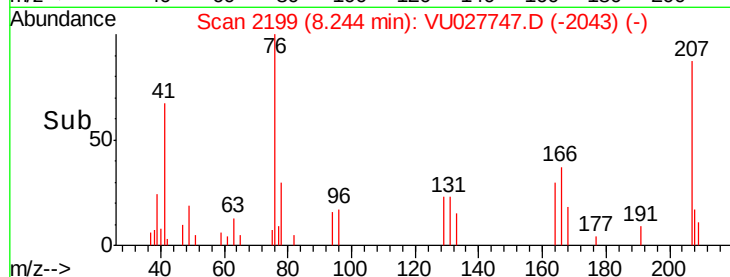
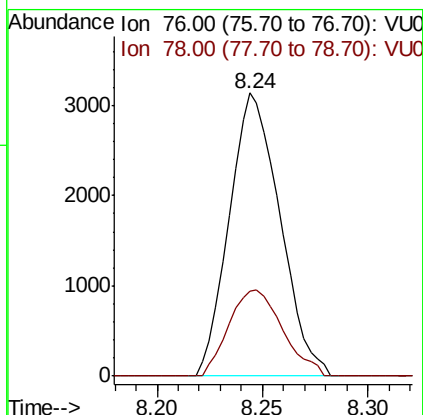
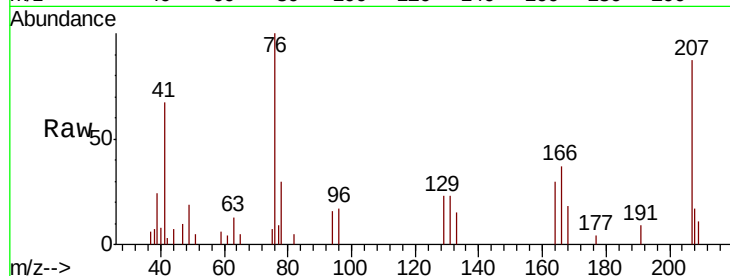




#53
 1,3-Dichloropropane
 Concen: 0.987 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027747.D
 Acq: 22 Oct 2018 18:21

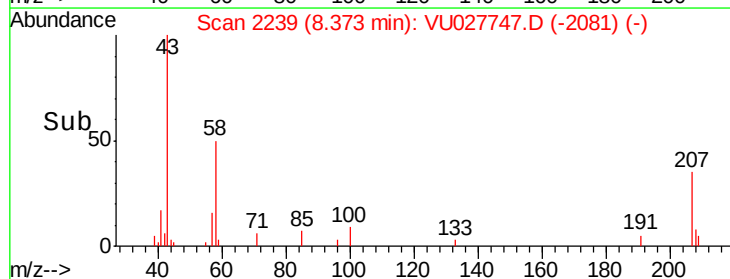
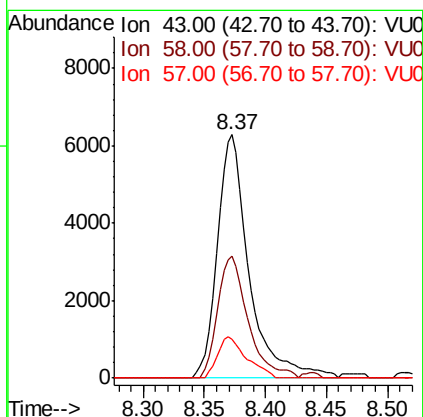
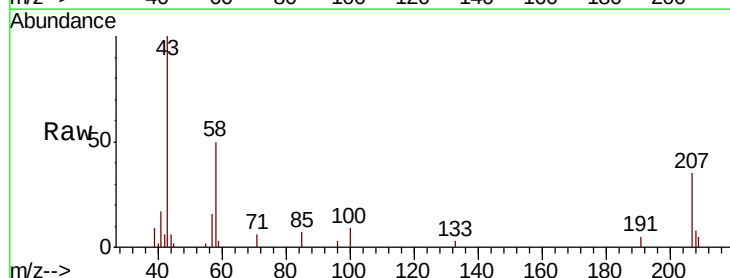
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

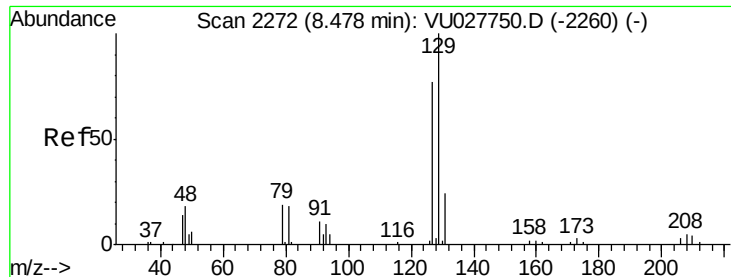
Tgt Ion: 76 Resp: 5232
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.4 38.0



#54
 2-Hexanone
 Concen: 4.543 ug/l
 RT: 8.37 min Scan# 2239
 Delta R.T. 0.01 min
 Lab File: VU027747.D
 Acq: 22 Oct 2018 18:21

Tgt Ion: 43 Resp: 11494
 Ion Ratio Lower Upper
 43 100
 58 47.9 30.0 70.0
 57 15.4 0.0 37.7





#55

Dibromochloromethane

Concen: 0.932 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

Instrument :

MSVOA_U

ClientSampleId :

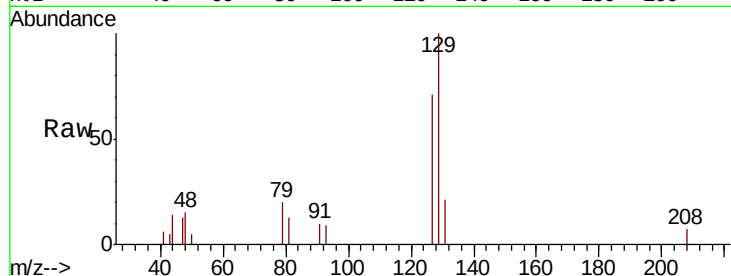
VSTDIC001

Tgt Ion:129 Resp: 3256

Ion Ratio Lower Upper

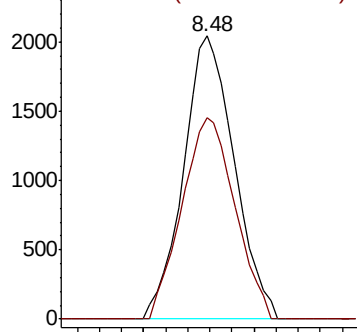
129 100

127 74.4 61.9 92.9

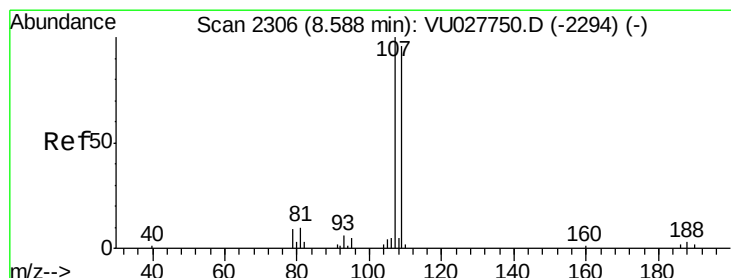
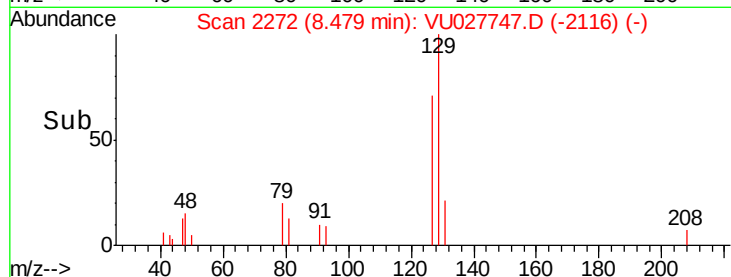


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#56

1,2-Dibromoethane

Concen: 0.955 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027747.D

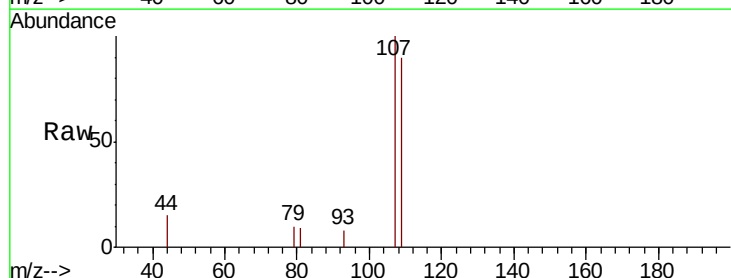
Acq: 22 Oct 2018 18:21

Tgt Ion:107 Resp: 2588

Ion Ratio Lower Upper

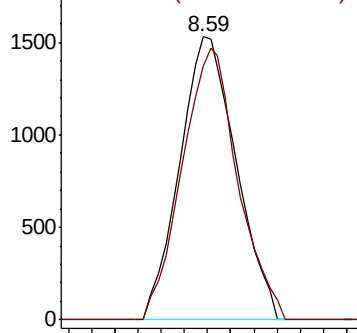
107 100

109 94.9 0.0 188.4

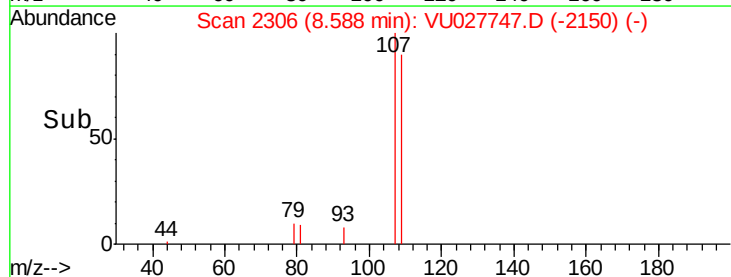


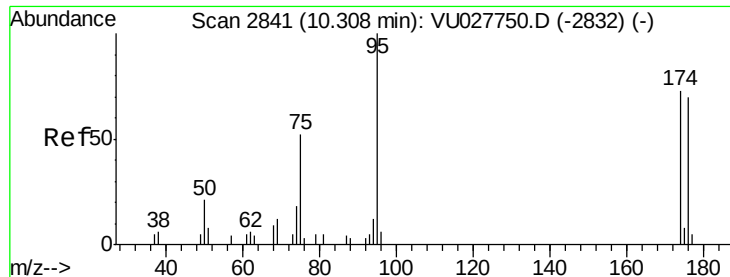
Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->

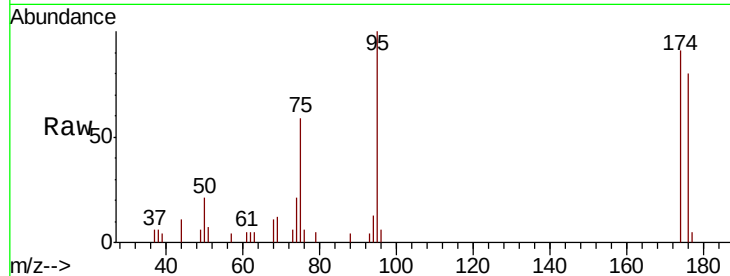




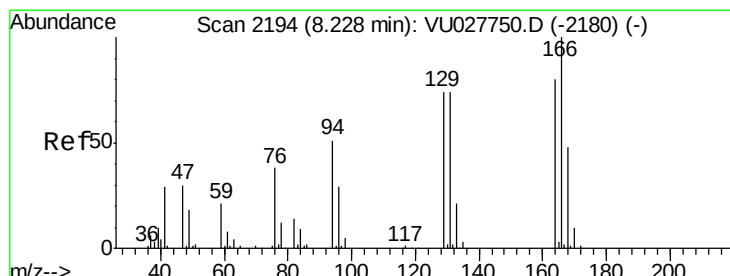
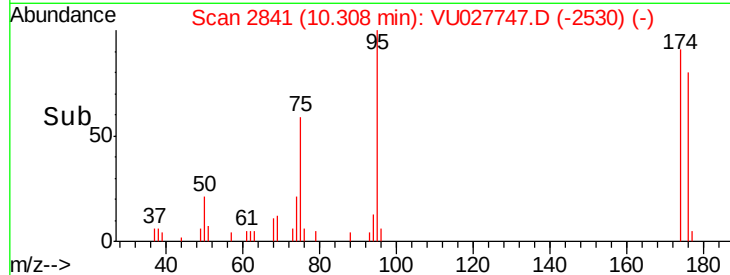
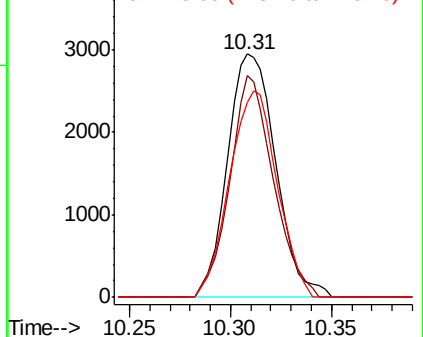
#57
 4-Bromofluorobenzene
 Concen: 0.955 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027747.D
 Acq: 22 Oct 2018 18:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion: 95 Resp: 4947
 Ion Ratio Lower Upper
 95 100
 174 81.8 64.5 96.7
 176 83.5 58.3 87.5

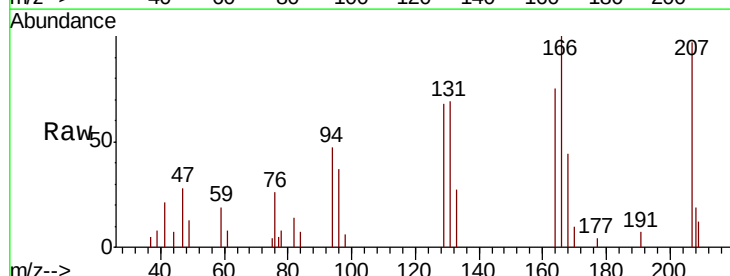


Abundance Ion 95.00 (94.70 to 95.70): VU027747.D (-2038) (-)
 Ion 174.00 (173.70 to 174.70): VU027747.D (-2038) (-)
 Ion 176.00 (175.70 to 176.70): VU027747.D (-2038) (-)

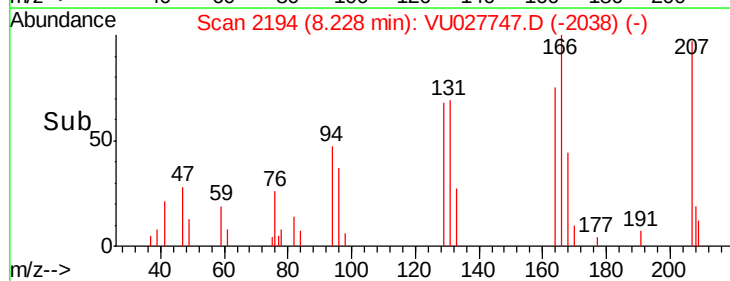
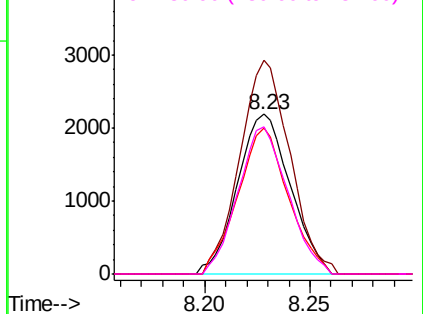


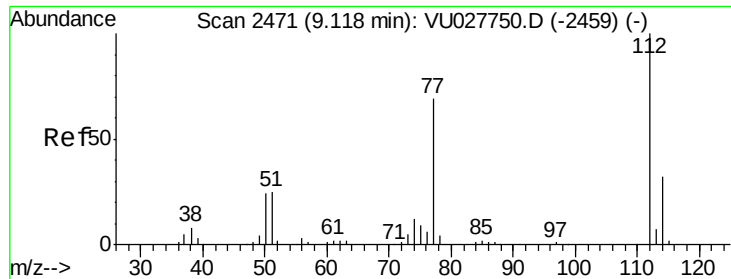
#58
 Tetrachloroethene
 Concen: 1.059 ug/l
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU027747.D
 Acq: 22 Oct 2018 18:21

Tgt Ion: 164 Resp: 3811
 Ion Ratio Lower Upper
 164 100
 166 133.5 100.2 150.4
 129 91.4 73.7 110.5
 131 92.1 73.8 110.6



Abundance Ion 163.85 (163.55 to 164.55): VU027747.D (-2038) (-)
 Ion 165.80 (165.50 to 166.50): VU027747.D (-2038) (-)
 Ion 128.90 (128.60 to 129.60): VU027747.D (-2038) (-)
 Ion 130.90 (130.60 to 131.60): VU027747.D (-2038) (-)





#59

Chlorobenzene

Concen: 1.001 ug/l

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

Instrument :

MSVOA_U

ClientSampleId :

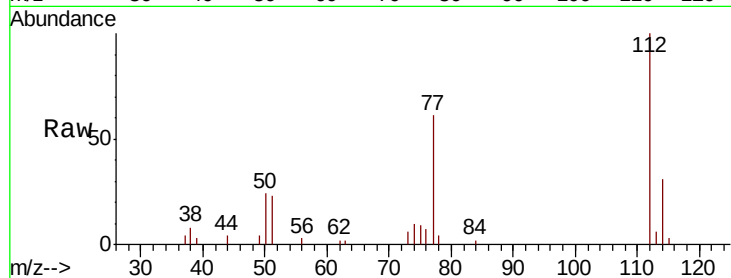
VSTDIC001

Tgt Ion:112 Resp: 10256

Ion Ratio Lower Upper

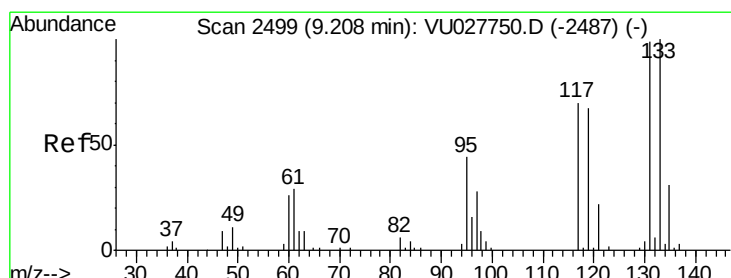
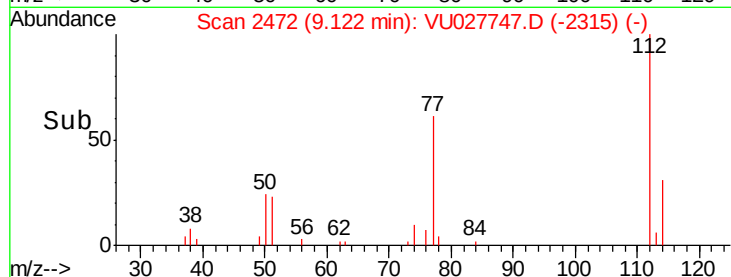
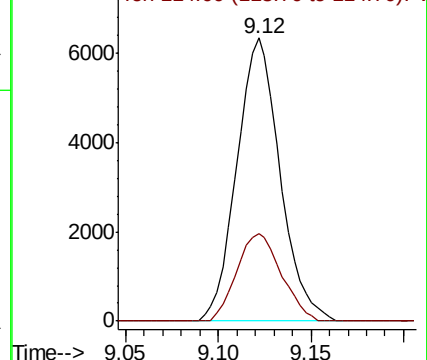
112 100

114 31.0 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: 0.944 ug/l

RT: 9.21 min Scan# 2500

Delta R.T. 0.00 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

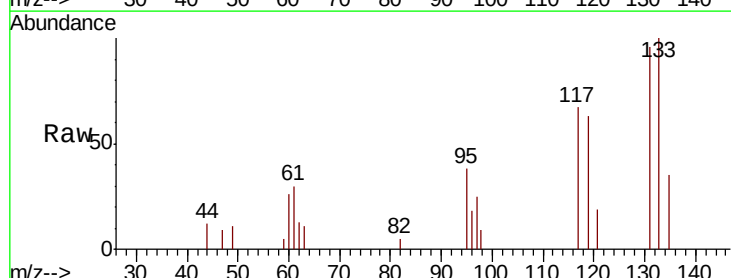
Tgt Ion:131 Resp: 3505

Ion Ratio Lower Upper

131 100

133 99.1 77.5 116.3

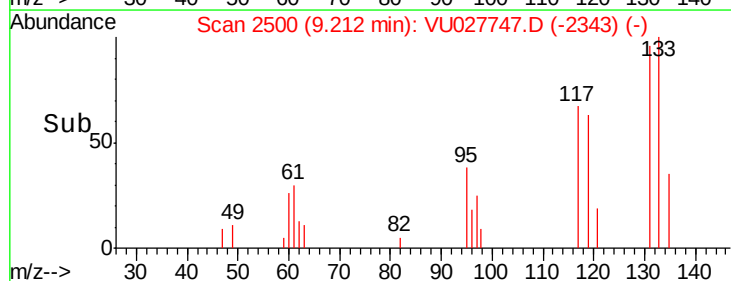
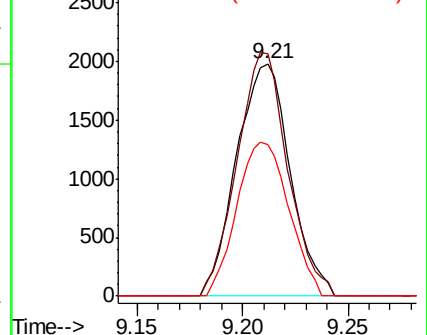
119 64.0 52.0 78.0

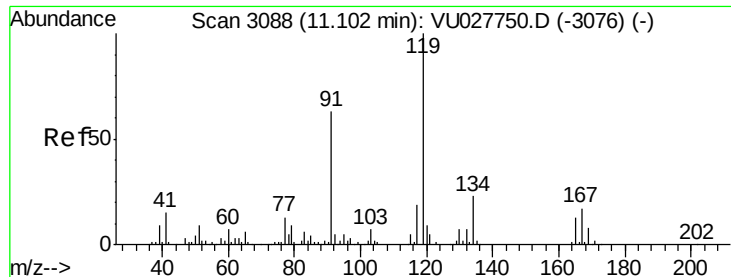


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#61

Pentachloroethane

Concen: 0.955 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

Instrument :

MSVOA_U

ClientSampleId :

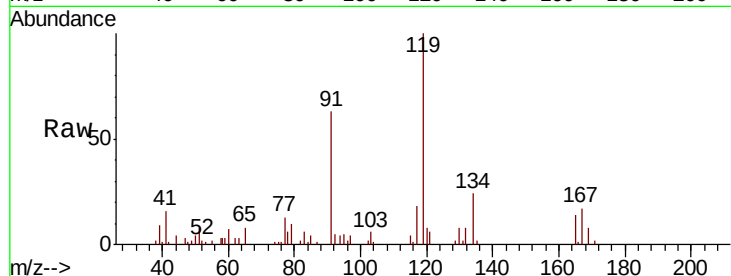
VSTDIC001

Tgt Ion:117 Resp: 2744

Ion Ratio Lower Upper

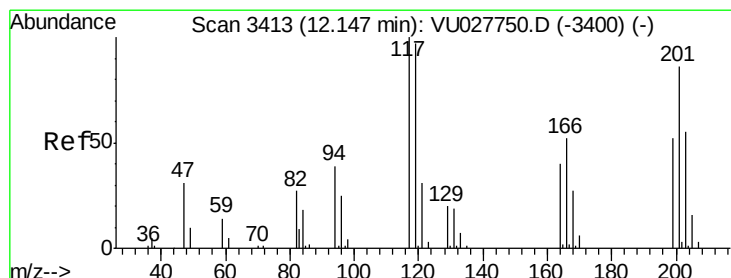
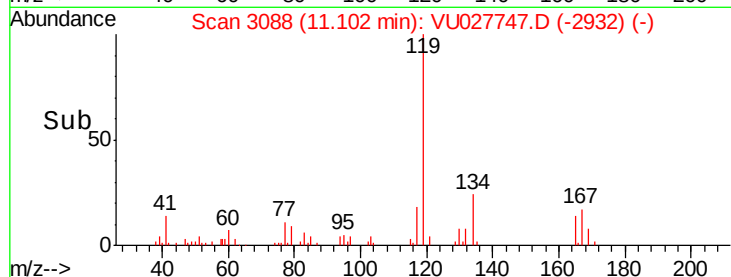
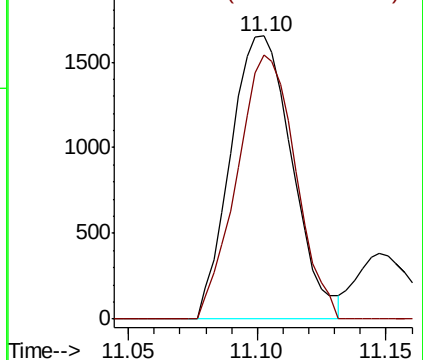
117 100

167 88.8 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: 0.893 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. -0.00 min

Lab File: VU027747.D

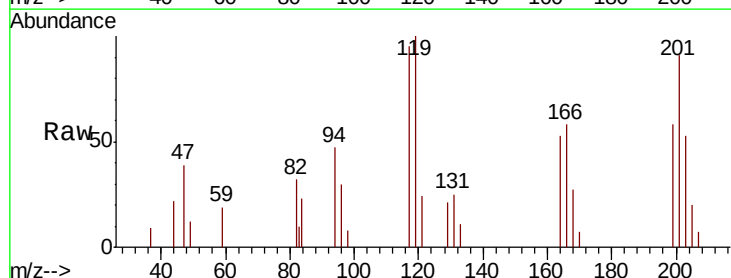
Acq: 22 Oct 2018 18:21

Tgt Ion:117 Resp: 2765

Ion Ratio Lower Upper

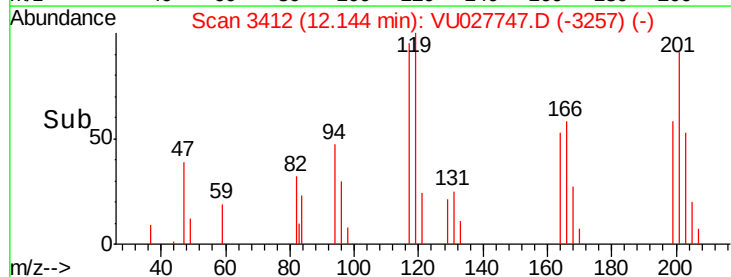
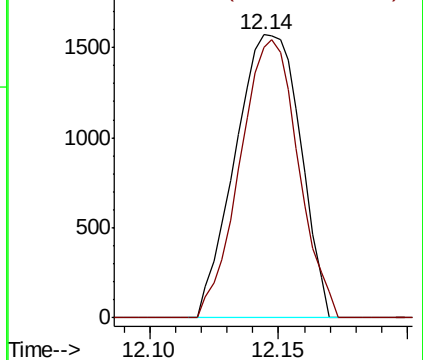
117 100

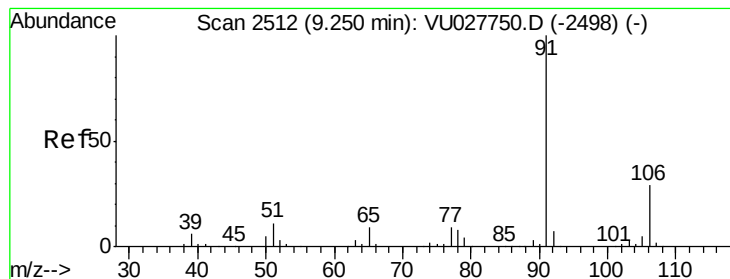
201 88.0 66.0 99.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 0.993 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

Instrument :

MSVOA_U

ClientSampleId :

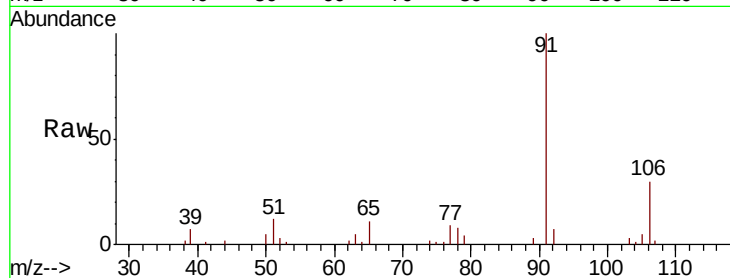
VSTDIC001

Tgt Ion: 91 Resp: 18795

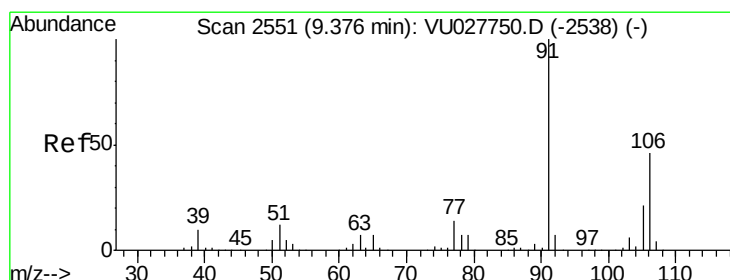
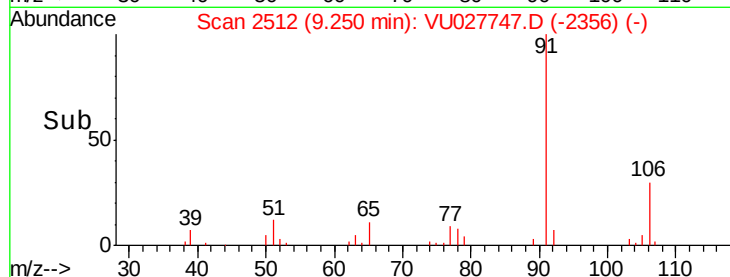
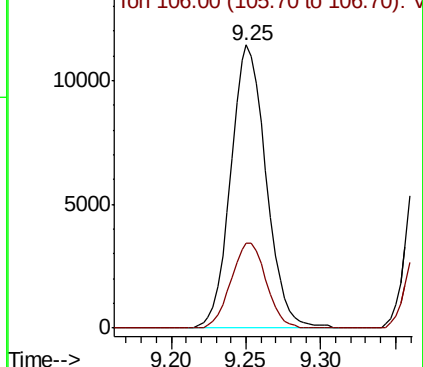
Ion Ratio Lower Upper

91 100

106 29.9 23.5 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU027750.D (-2498) (-)



#64

m/p-Xylenes

Concen: 1.916 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027747.D

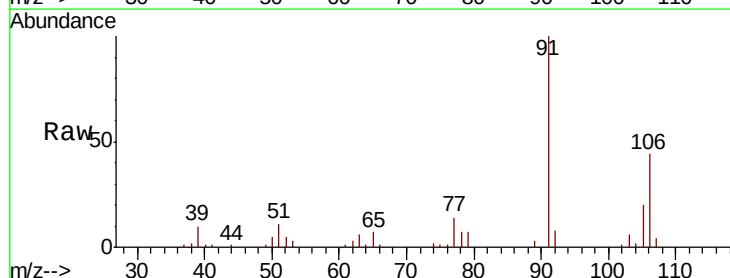
Acq: 22 Oct 2018 18:21

Tgt Ion: 106 Resp: 13263

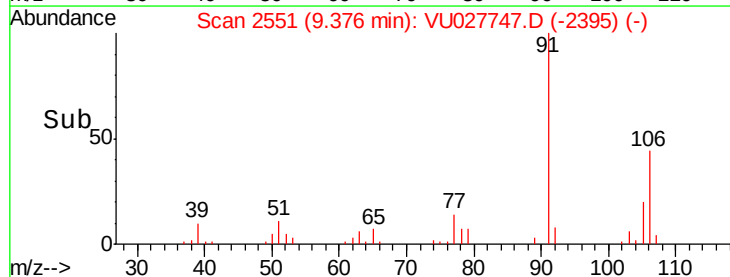
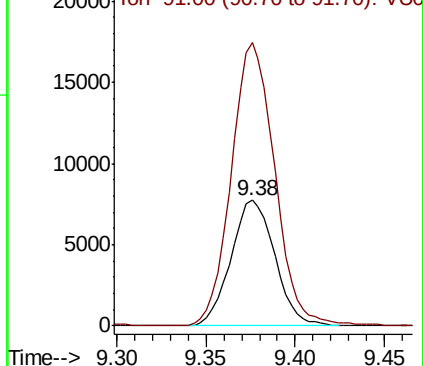
Ion Ratio Lower Upper

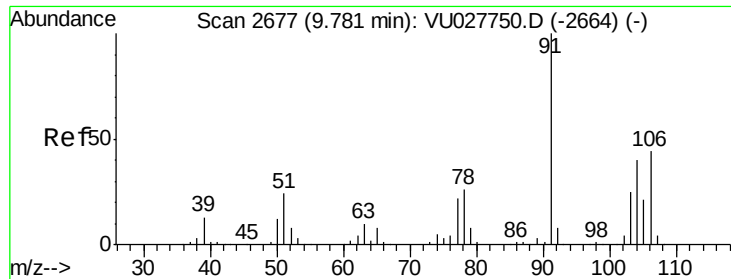
106 100

91 222.8 173.3 259.9



Abundance Ion 106.00 (105.70 to 106.70): VU027750.D (-2538) (-)

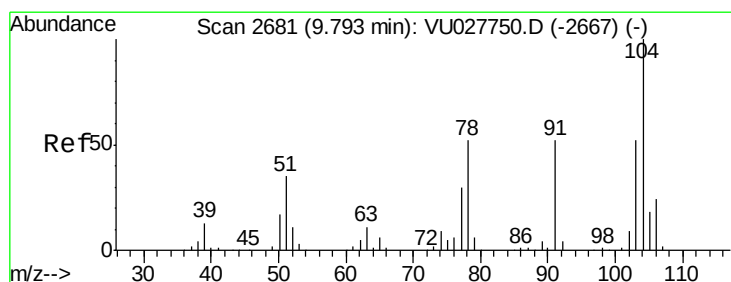
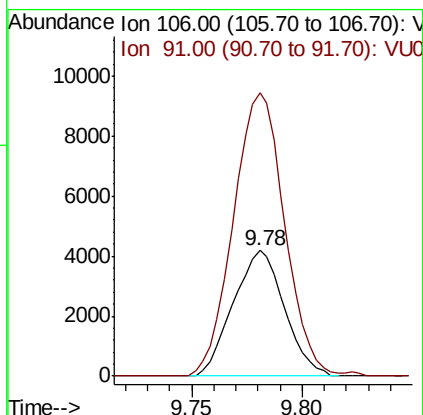
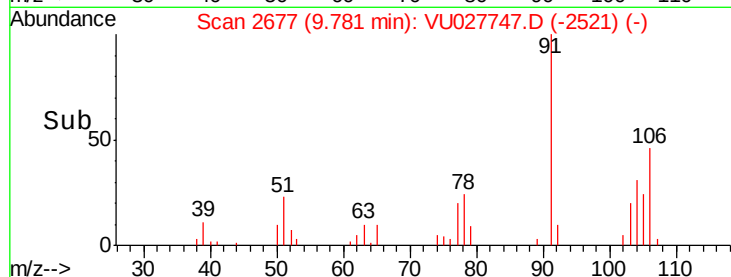
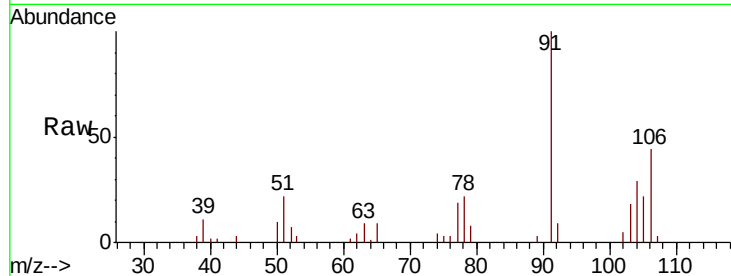




#65
o-Xylene
Concen: 0.975 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027747.D
Acq: 22 Oct 2018 18:21

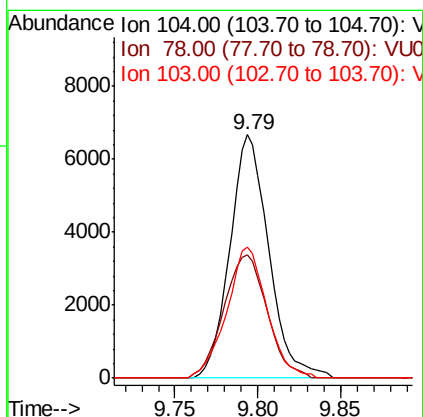
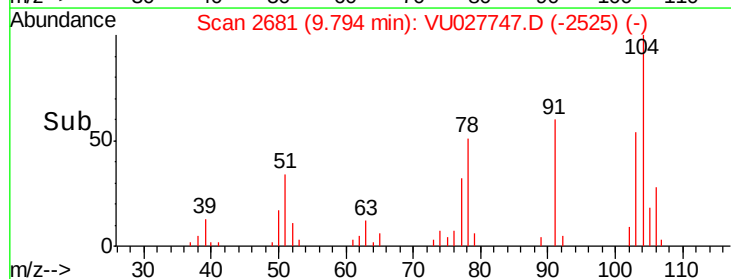
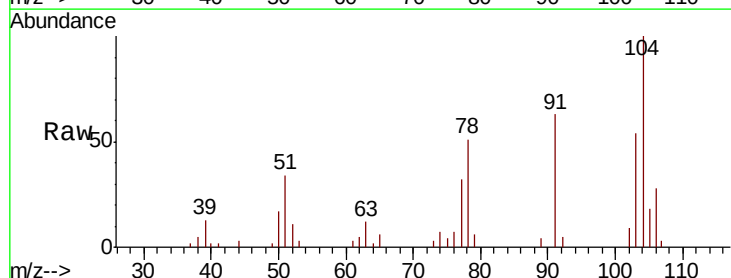
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

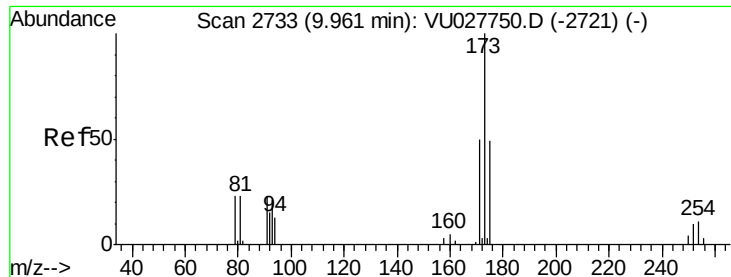
Tgt Ion:106 Resp: 6740
Ion Ratio Lower Upper
106 100
91 225.4 113.4 340.2



#66
Styrene
Concen: 0.952 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027747.D
Acq: 22 Oct 2018 18:21

Tgt Ion:104 Resp: 10889
Ion Ratio Lower Upper
104 100
78 56.4 45.2 67.8
103 55.7 44.8 67.2





#67

Bromoform

Concen: 0.902 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

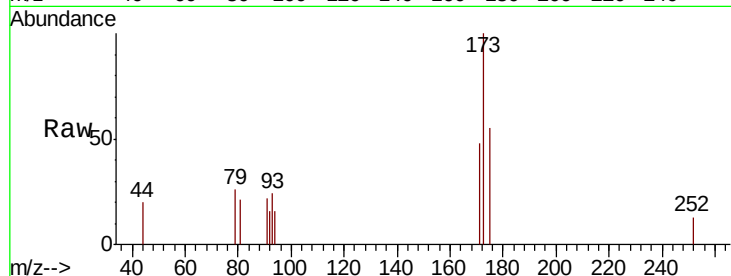
Tgt Ion:173 Resp: 1828

Ion Ratio Lower Upper

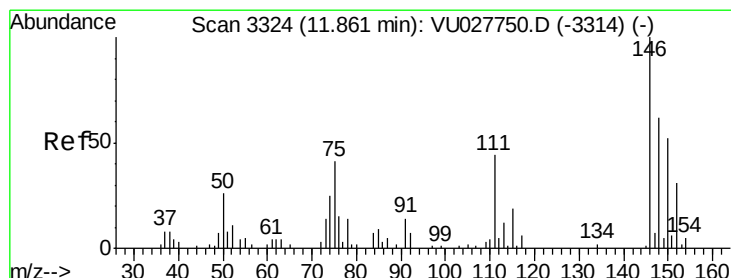
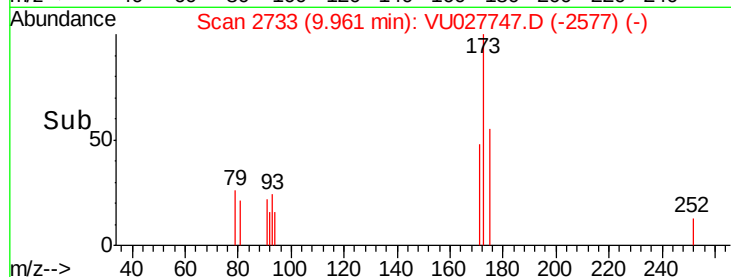
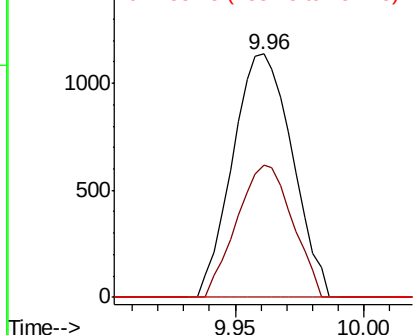
173 100

175 50.8 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: 0.902 ug/l

RT: 11.86 min Scan# 3324

Delta R.T. 0.00 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

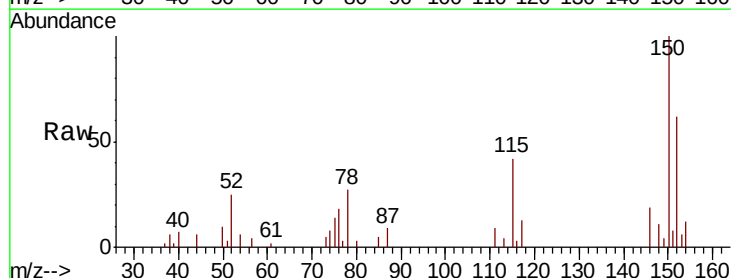
Tgt Ion:152 Resp: 4809

Ion Ratio Lower Upper

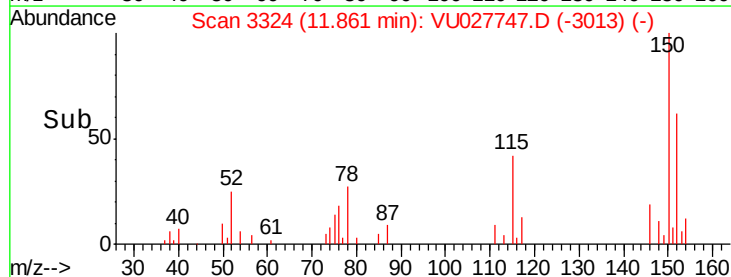
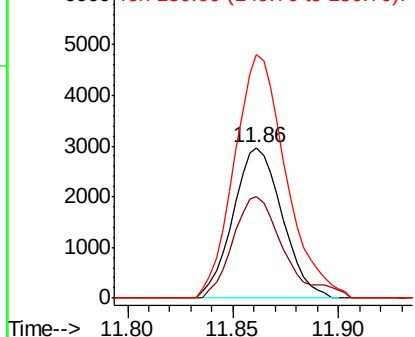
152 100

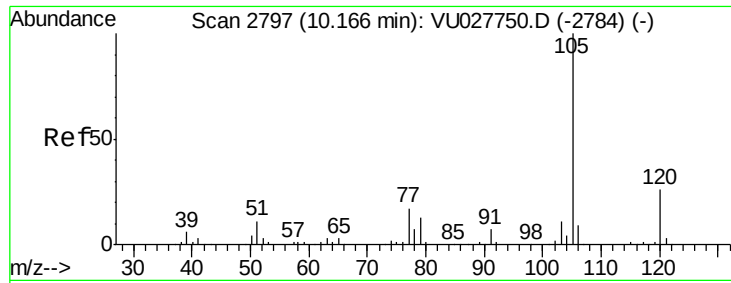
115 70.0 0.0 130.2

150 170.5 0.0 650.6



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.009 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

Instrument :

MSVOA_U

ClientSampleId :

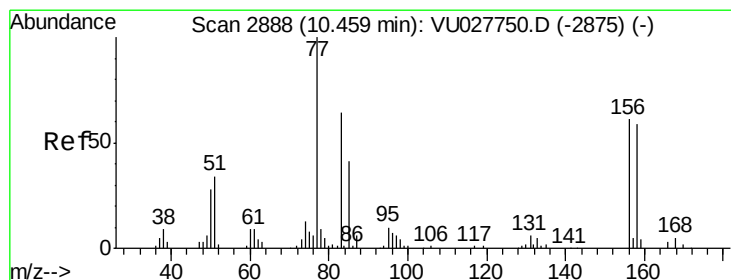
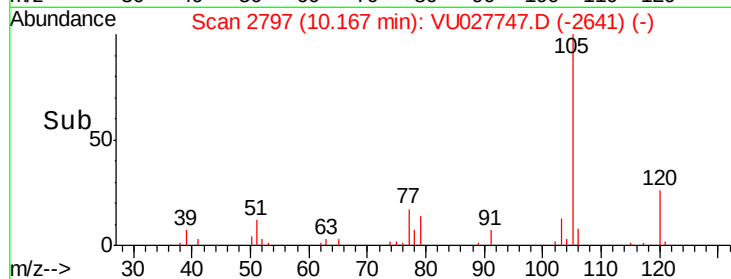
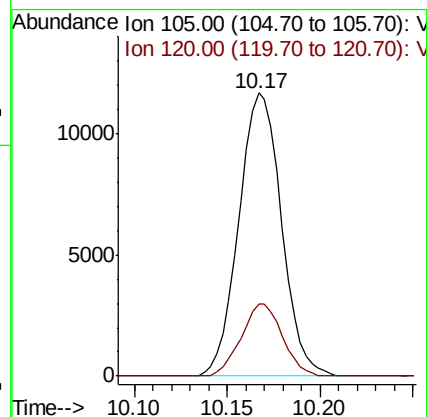
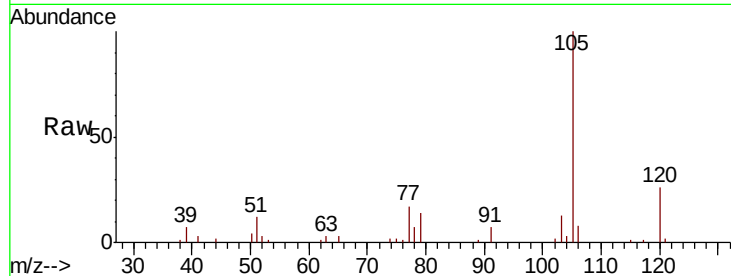
VSTDIC001

Tgt Ion:105 Resp: 18658

Ion Ratio Lower Upper

105 100

120 24.6 12.8 38.3



#70

1,1,2,2-Tetrachloroethane

Concen: 0.946 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

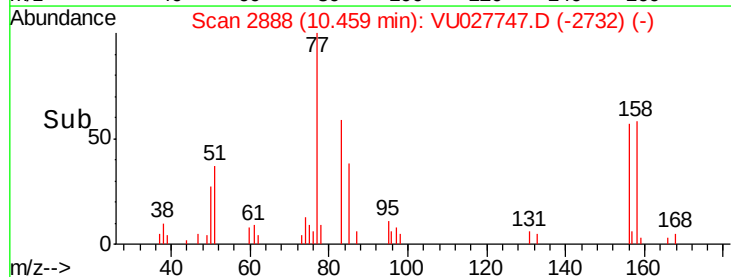
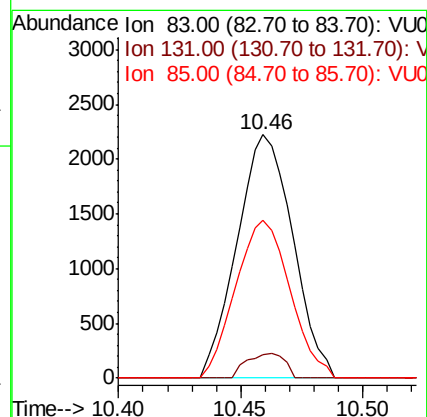
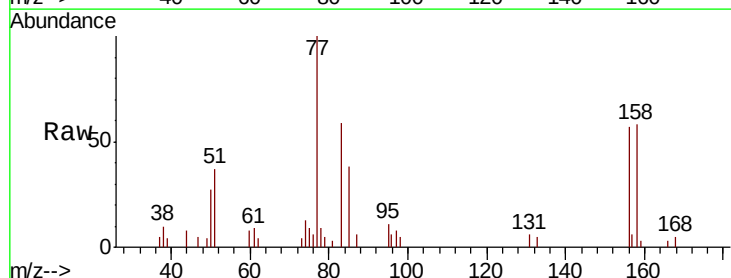
Tgt Ion: 83 Resp: 3521

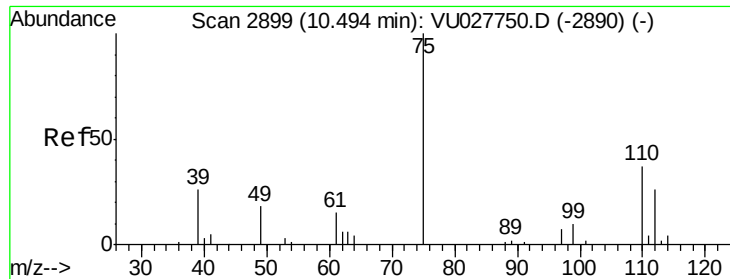
Ion Ratio Lower Upper

83 100

131 6.8 7.7 11.5#

85 63.3 51.2 76.8

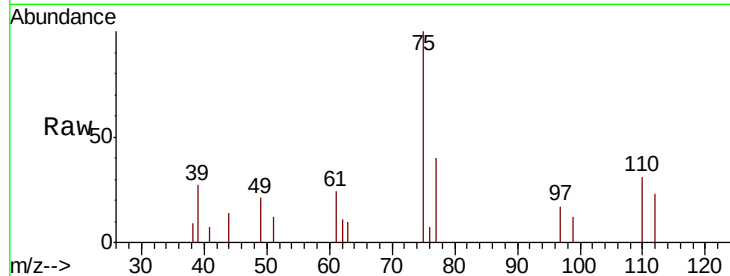




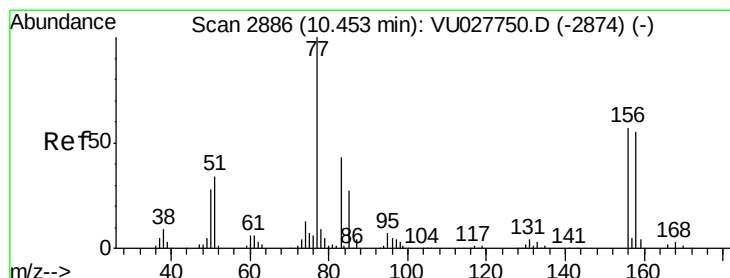
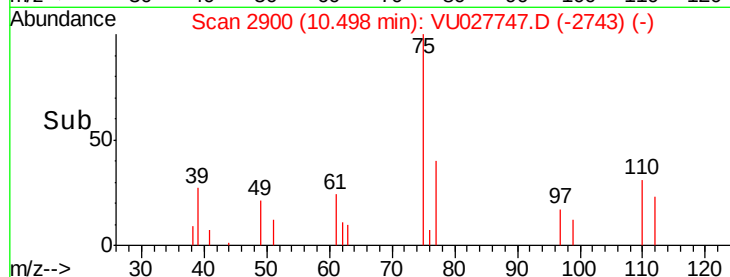
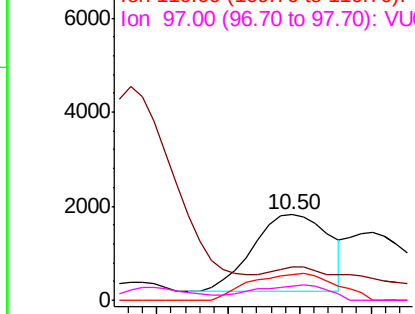
#71
1,2,3-Trichloropropane
Concen: 0.842 ug/l
RT: 10.50 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VU027747.D
Acq: 22 Oct 2018 18:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:	75	Resp:	2437
Ion	Ratio	Lower	Upper
75	100		
77	62.0	0.0	0.0#
110	38.9	0.0	68.2
97	19.2	0.0	35.2

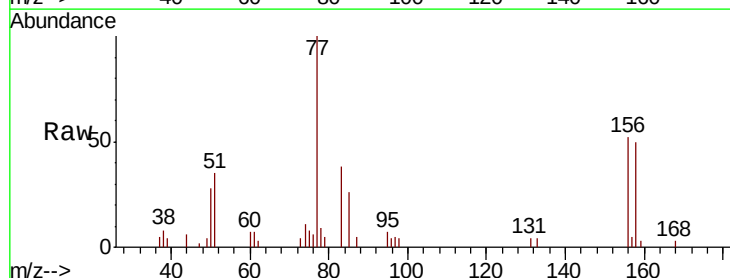


Abundance Ion 75.00 (74.70 to 75.70): VU027750.D (-2890) (-)
Ion 77.00 (76.70 to 77.70): VU027750.D (-2890) (-)
Ion 110.00 (109.70 to 110.70): VU027750.D (-2890) (-)
Ion 97.00 (96.70 to 97.70): VU027750.D (-2890) (-)

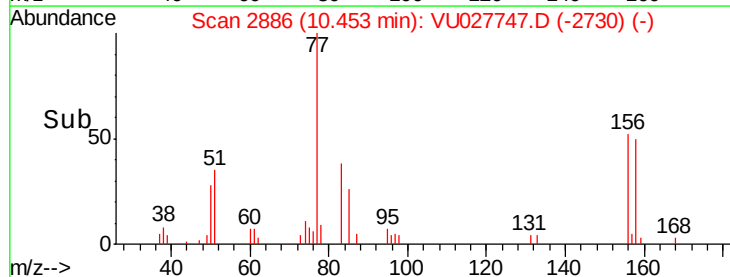
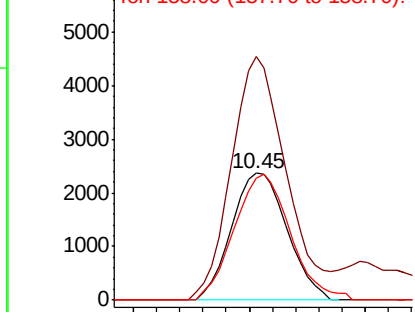


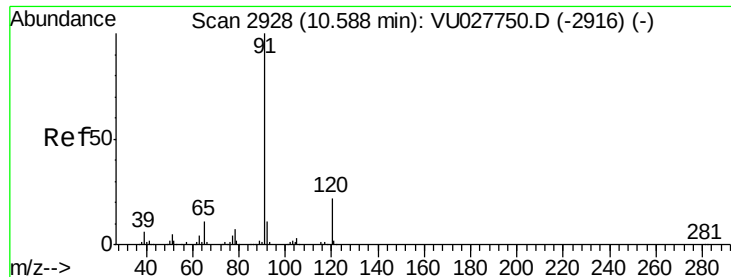
#72
Bromobenzene
Concen: 0.951 ug/l
RT: 10.45 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VU027747.D
Acq: 22 Oct 2018 18:21

Tgt Ion:	156	Resp:	3933
Ion	Ratio	Lower	Upper
156	100		
77	189.8	0.0	349.4
158	100.9	0.0	191.4



Abundance Ion 156.00 (155.70 to 156.70): VU027750.D (-2874) (-)
Ion 77.00 (76.70 to 77.70): VU027750.D (-2874) (-)
Ion 158.00 (157.70 to 158.70): VU027750.D (-2874) (-)





#73

n-propylbenzene

Concen: 0.931 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

Instrument :

MSVOA_U

ClientSampleId :

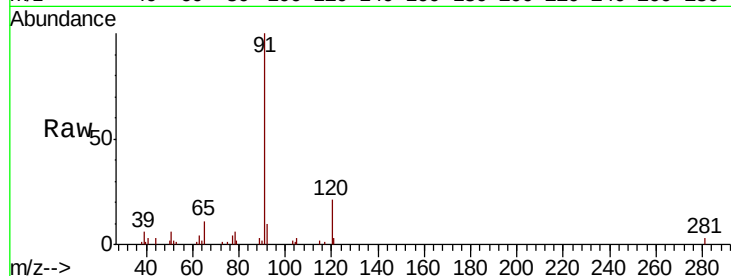
VSTDIC001

Tgt Ion:120 Resp: 4412

Ion Ratio Lower Upper

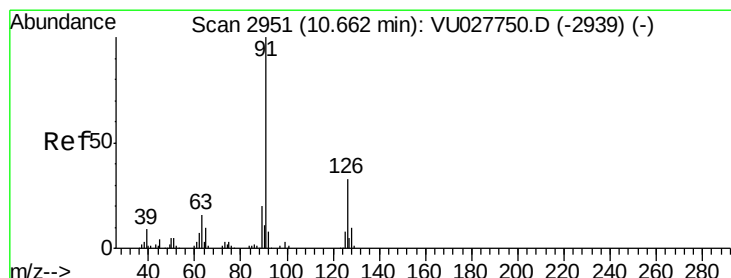
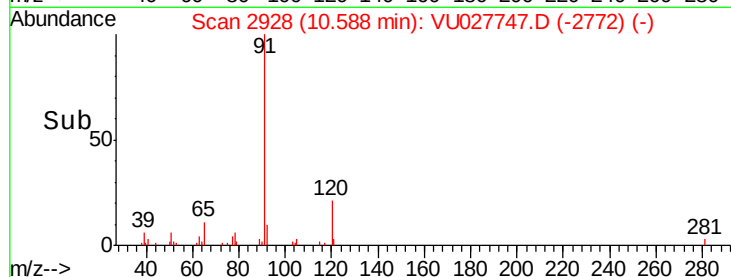
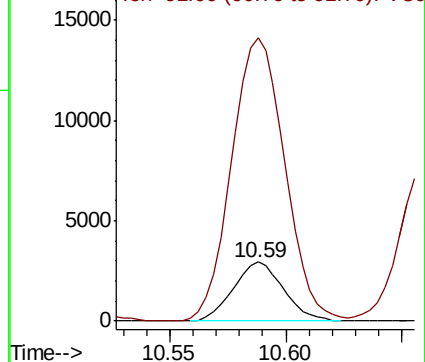
120 100

91 511.0 369.0 553.6



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.936 ug/l

RT: 10.67 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VU027747.D

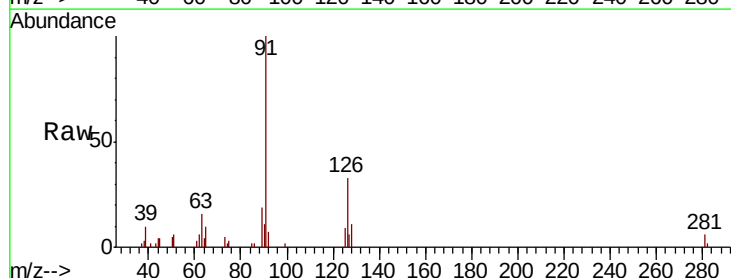
Acq: 22 Oct 2018 18:21

Tgt Ion:126 Resp: 3961

Ion Ratio Lower Upper

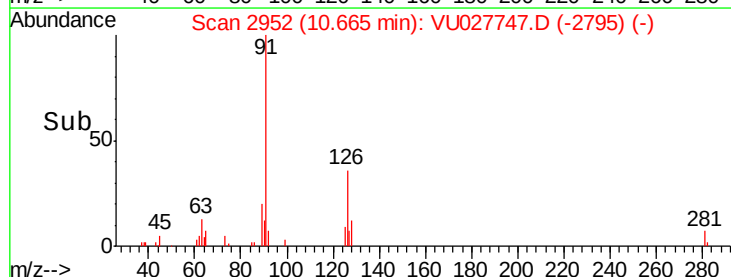
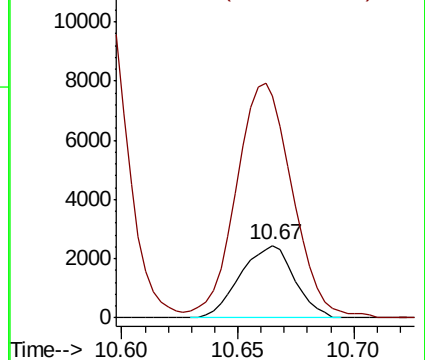
126 100

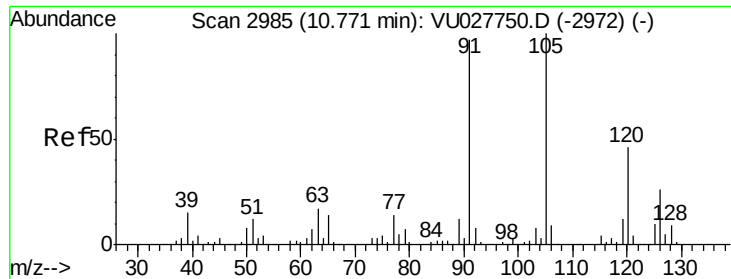
91 337.0 0.0 628.8



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: 0.966 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

Instrument :

MSVOA_U

ClientSampleId :

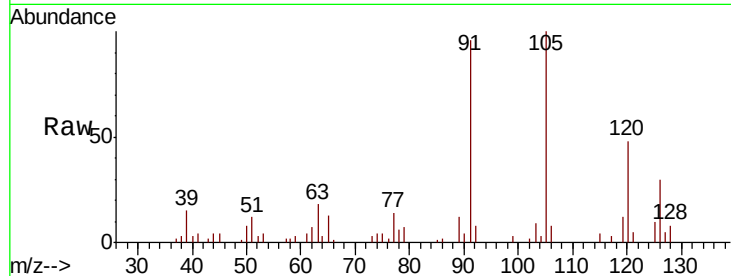
VSTDIC001

Tgt Ion:105 Resp: 14913

Ion Ratio Lower Upper

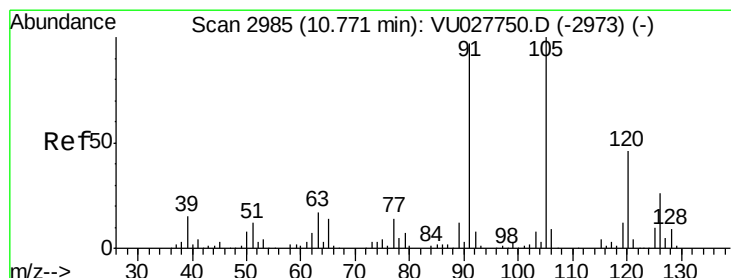
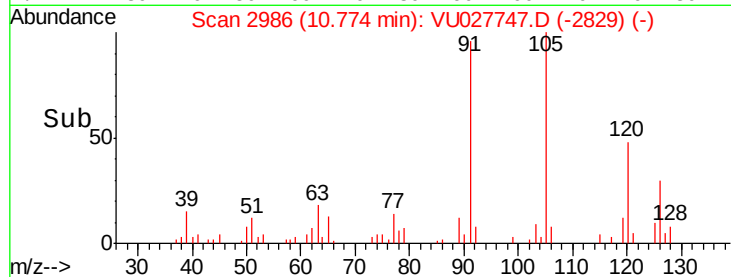
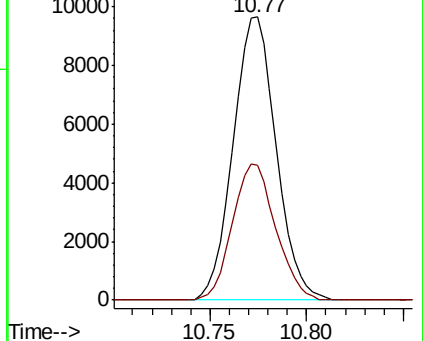
105 100

120 48.3 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: 1.038 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027747.D

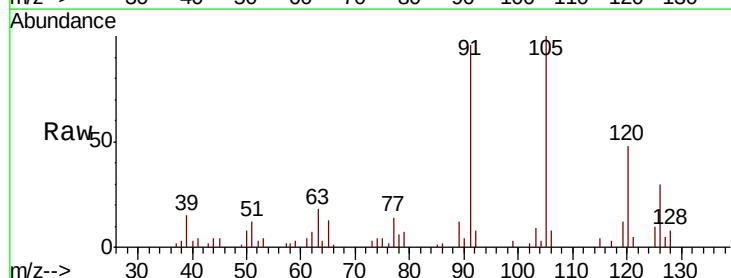
Acq: 22 Oct 2018 18:21

Tgt Ion:126 Resp: 4231

Ion Ratio Lower Upper

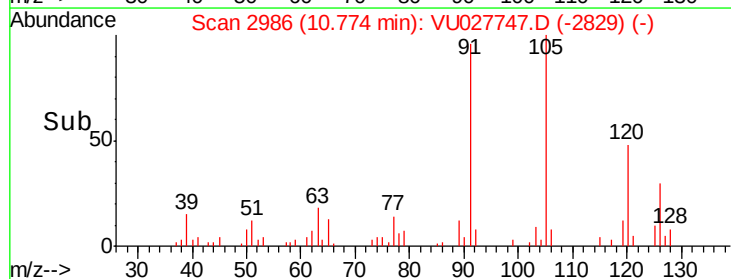
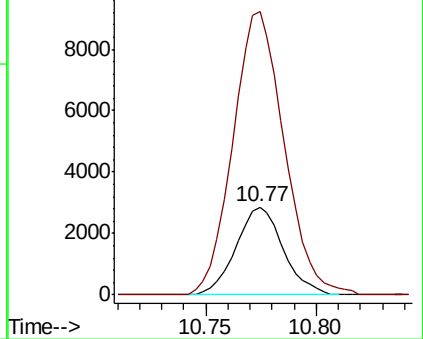
126 100

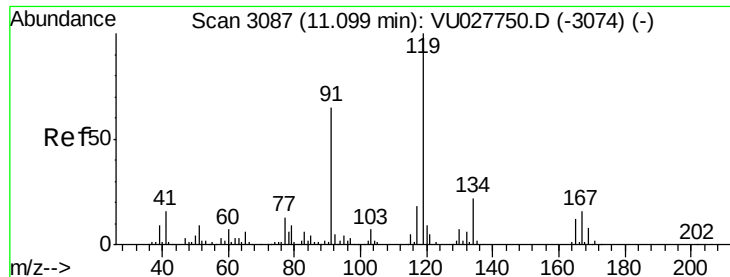
91 351.3 0.0 734.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 1.002 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

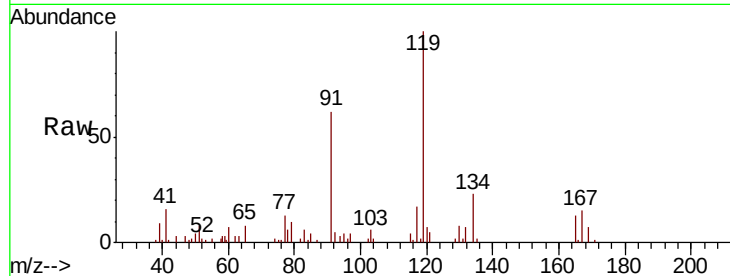
Tgt Ion:119 Resp: 15340

Ion Ratio Lower Upper

119 100

91 61.8 31.8 95.4

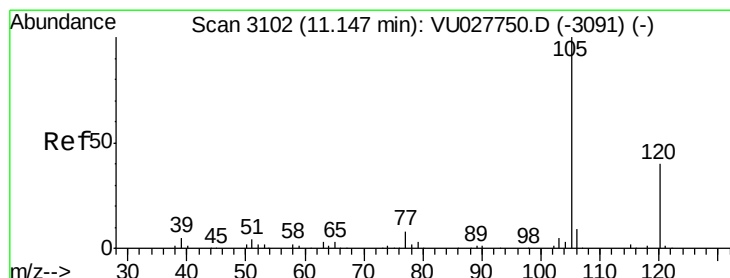
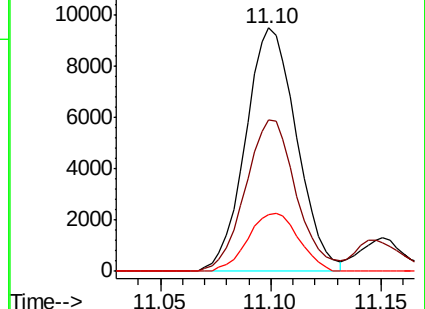
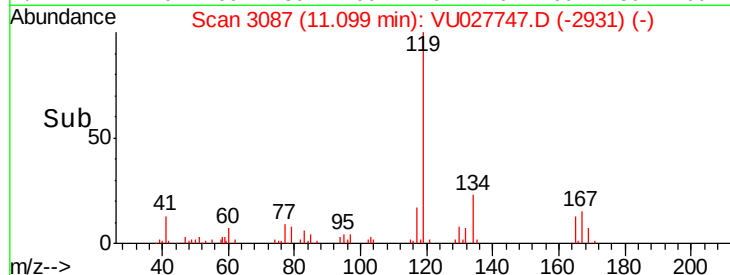
134 23.4 17.7 26.5



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: 0.953 ug/l

RT: 11.15 min Scan# 3103

Delta R.T. 0.00 min

Lab File: VU027747.D

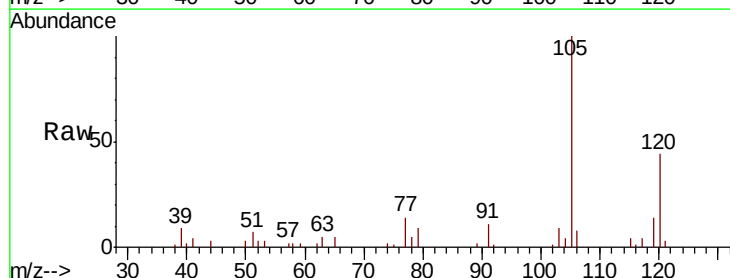
Acq: 22 Oct 2018 18:21

Tgt Ion:105 Resp: 15167

Ion Ratio Lower Upper

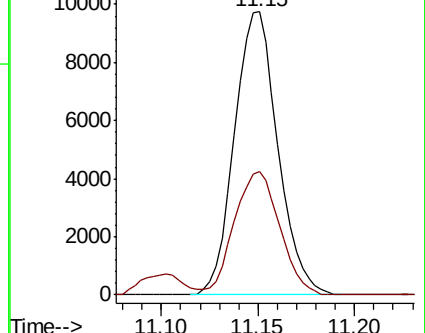
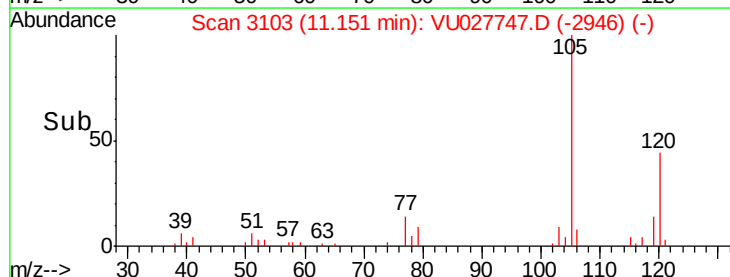
105 100

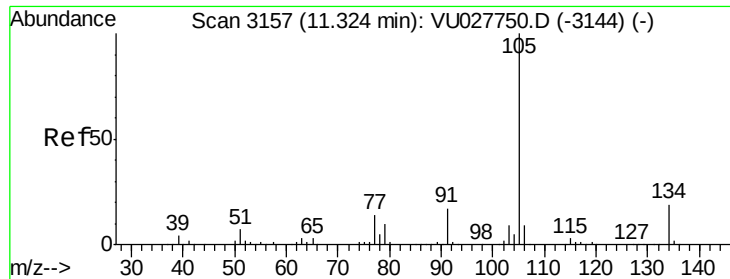
120 45.7 21.6 64.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 1.003 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

Instrument :

MSVOA_U

ClientSampleId :

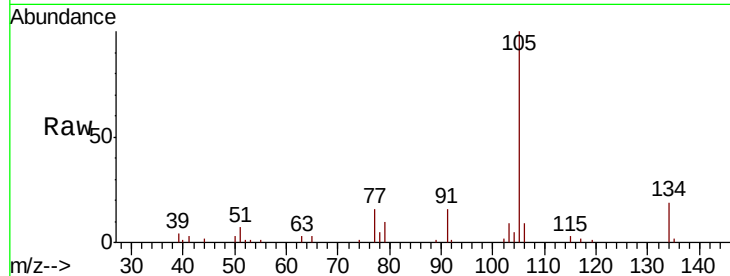
VSTDIC001

Tgt Ion: 105 Resp: 19654

Ion Ratio Lower Upper

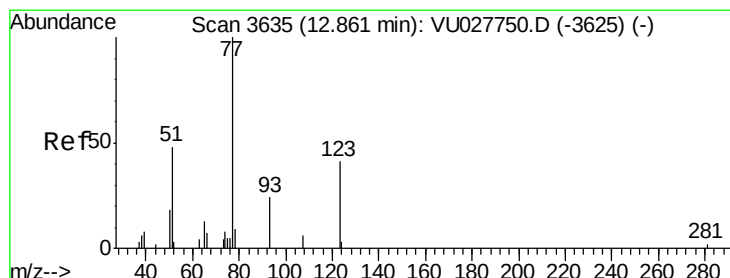
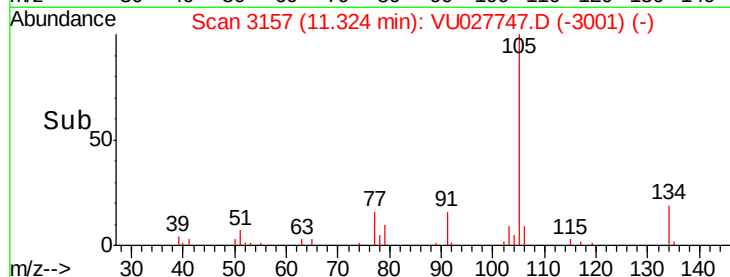
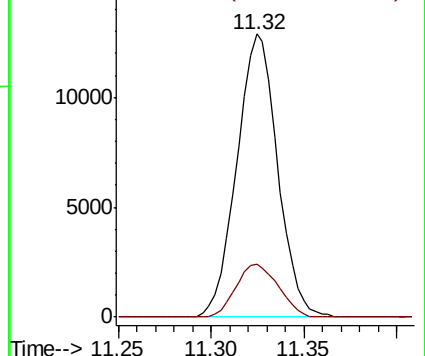
105 100

134 19.4 15.2 22.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 2.237 ug/l

RT: 12.87 min Scan# 3638

Delta R.T. 0.01 min

Lab File: VU027747.D

Acq: 22 Oct 2018 18:21

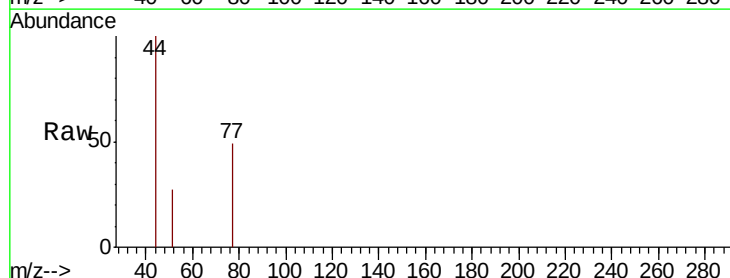
Tgt Ion: 77 Resp: 387

Ion Ratio Lower Upper

77 100

123 0.0 16.9 59.9#

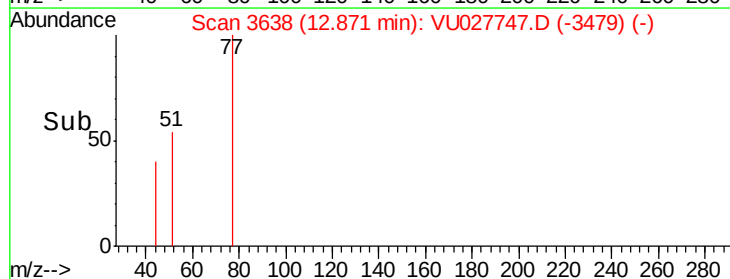
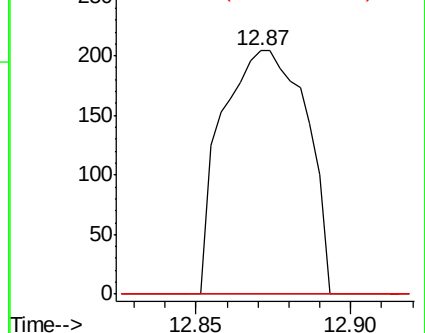
65 0.0 13.1 16.7#

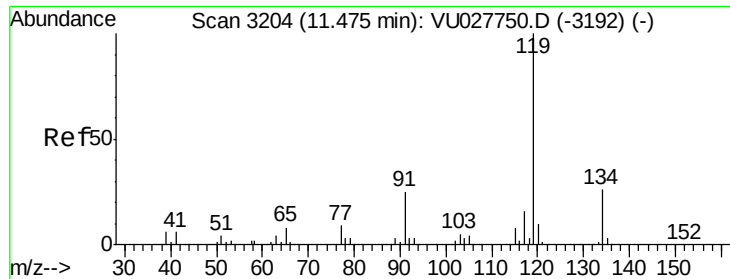


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

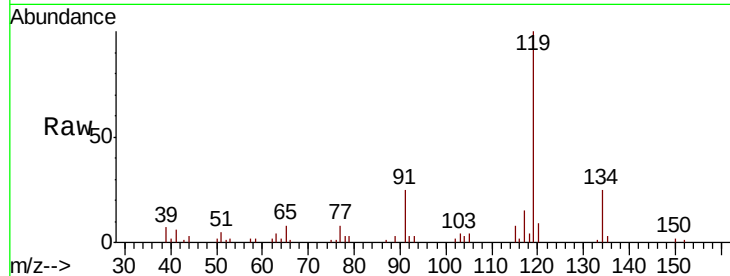




#81
 p-Isopropyltoluene
 Concen: 0.995 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU027747.D
 Acq: 22 Oct 2018 18:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.3	30.5
91	26.3	20.2	30.4

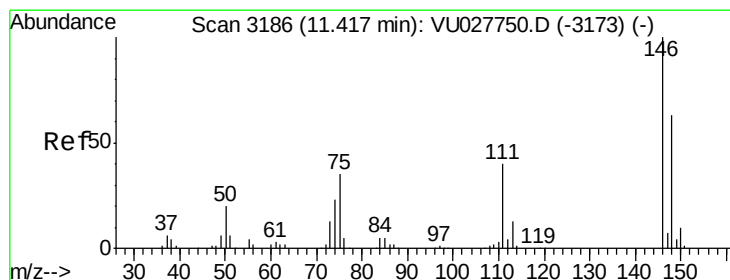
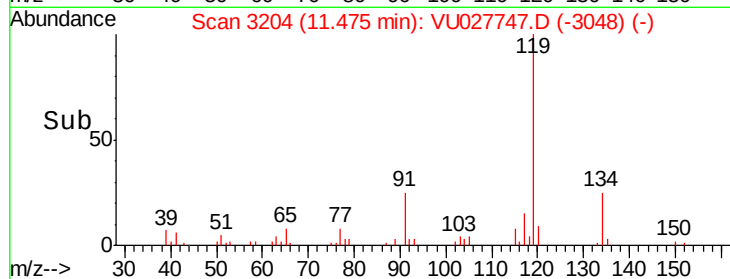
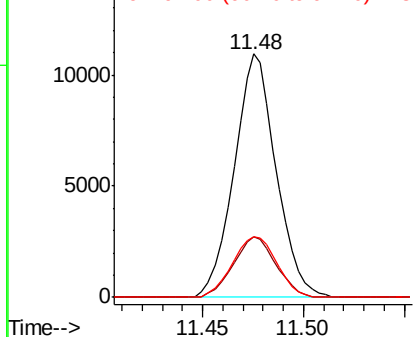


Abundance

Ion 119.00 (118.70 to 119.70): V

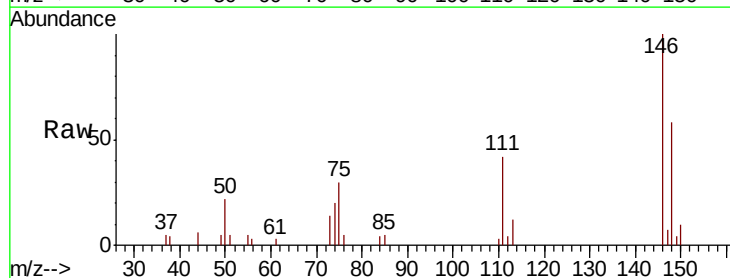
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#82
 1,3-Dichlorobenzene
 Concen: 1.035 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027747.D
 Acq: 22 Oct 2018 18:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	32.7	49.1
148	59.3	50.6	75.8

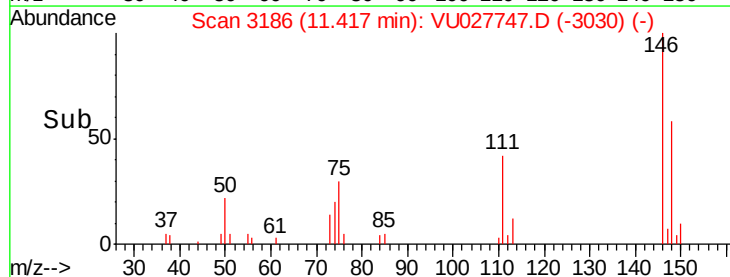
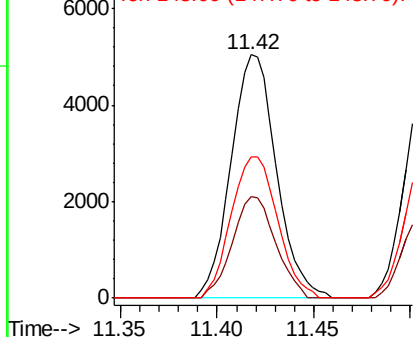


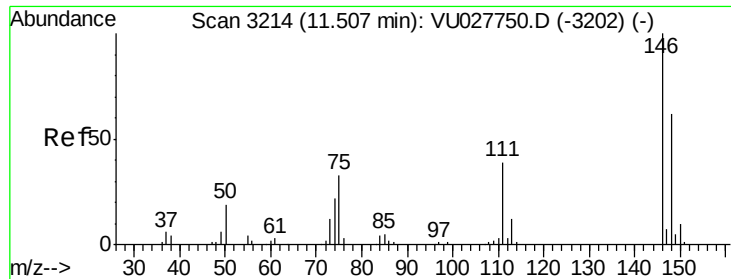
Abundance

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

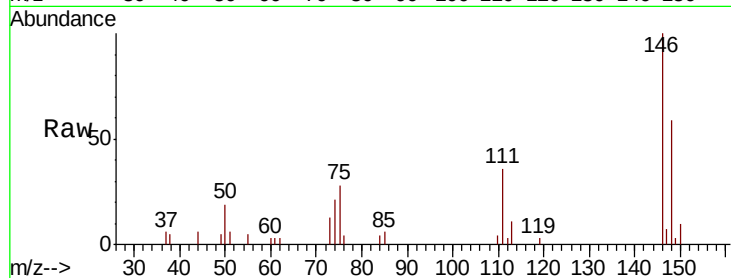




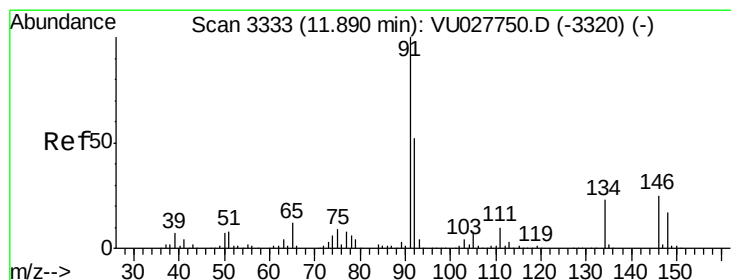
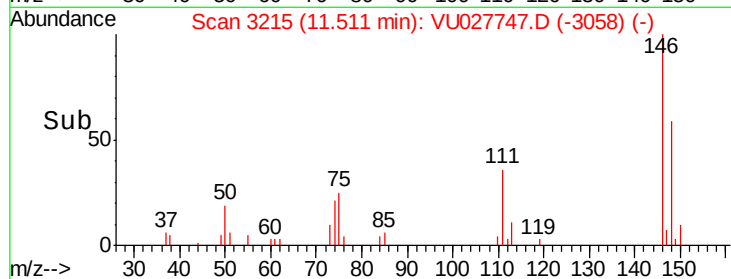
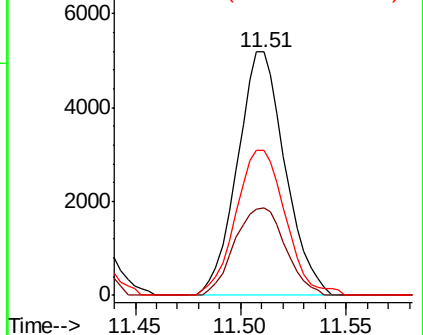
#83
 1,4-Dichlorobenzene
 Concen: 1.039 ug/l
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU027747.D
 Acq: 22 Oct 2018 18:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion: 146 Resp: 8153
 Ion Ratio Lower Upper
 146 100
 111 38.3 32.0 48.0
 148 62.1 50.9 76.3

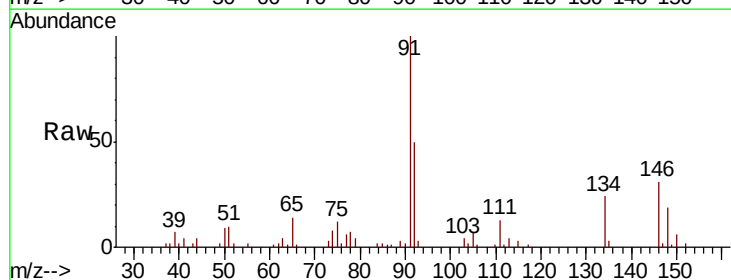


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

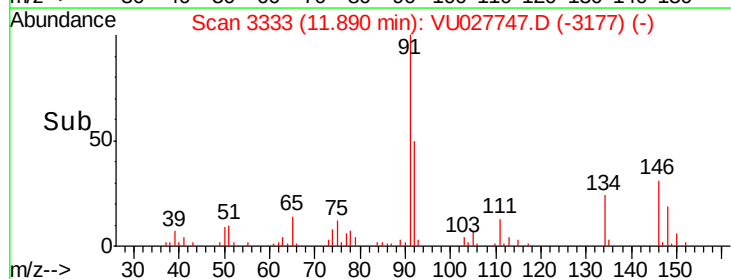
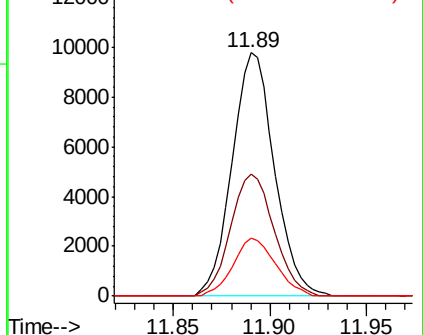


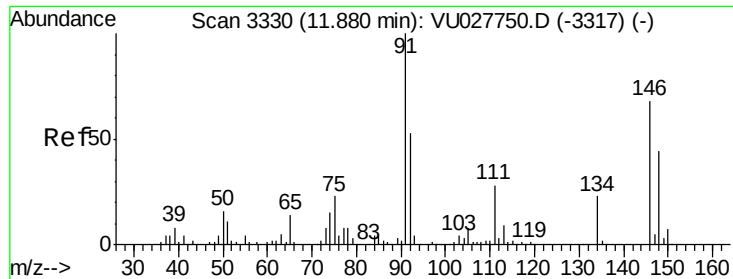
#84
 n-Butylbenzene
 Concen: 0.986 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.00 min
 Lab File: VU027747.D
 Acq: 22 Oct 2018 18:21

Tgt Ion: 91 Resp: 14865
 Ion Ratio Lower Upper
 91 100
 92 51.5 42.1 63.1
 134 23.8 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

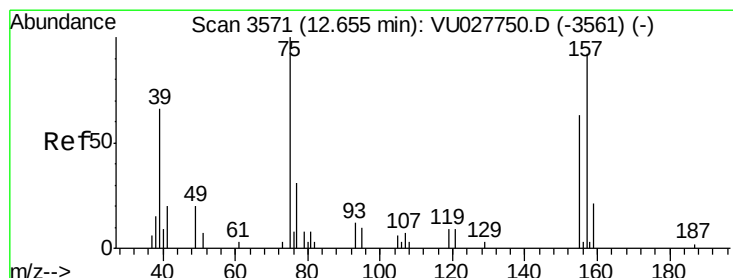
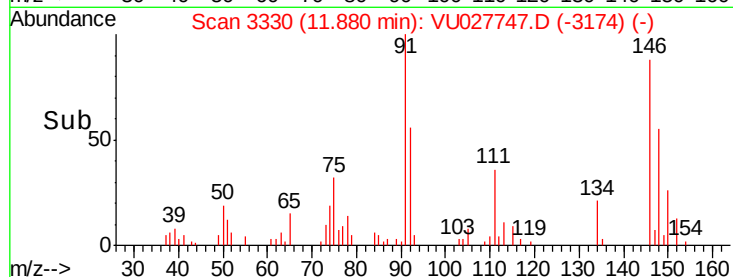
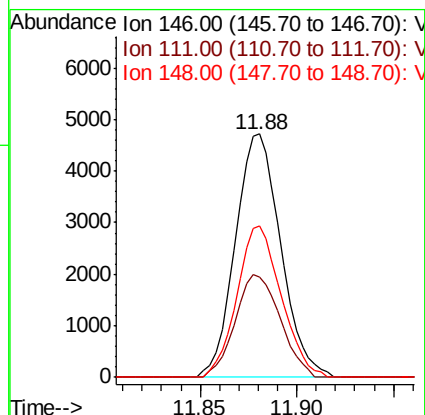
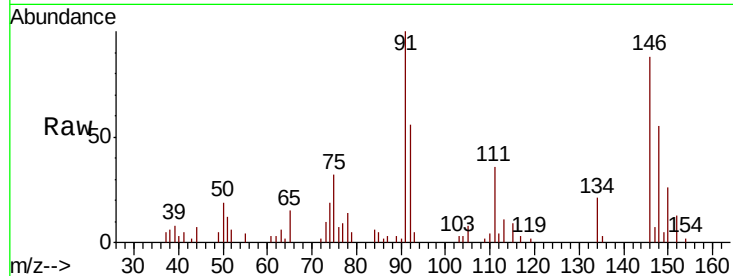




#85
 1,2-Dichlorobenzene
 Concen: 1.015 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027747.D
 Acq: 22 Oct 2018 18:21

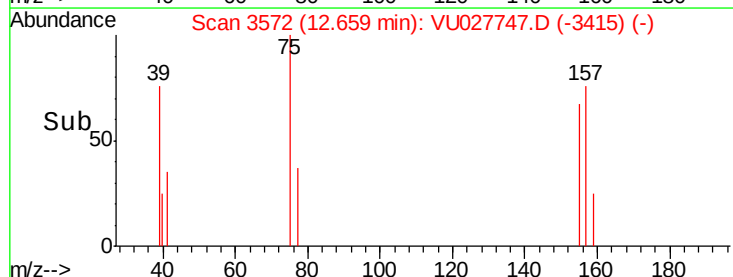
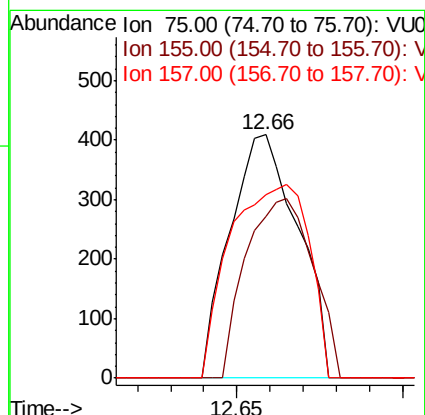
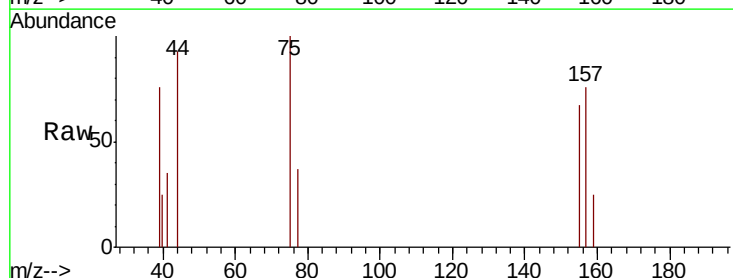
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

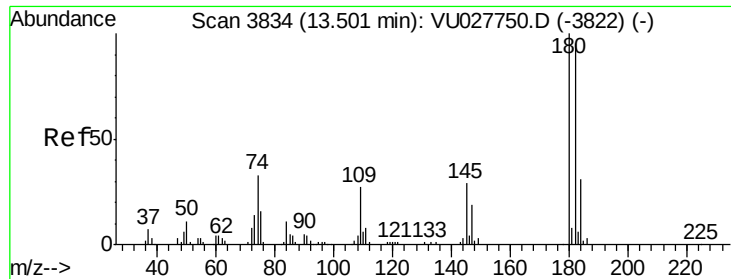
Tgt Ion: 146 Resp: 7692
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.2 63.6
 148 60.5 32.2 96.6



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.890 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027747.D
 Acq: 22 Oct 2018 18:21

Tgt Ion: 75 Resp: 586
 Ion Ratio Lower Upper
 75 100
 155 72.5 55.5 83.3
 157 92.2 71.0 106.4

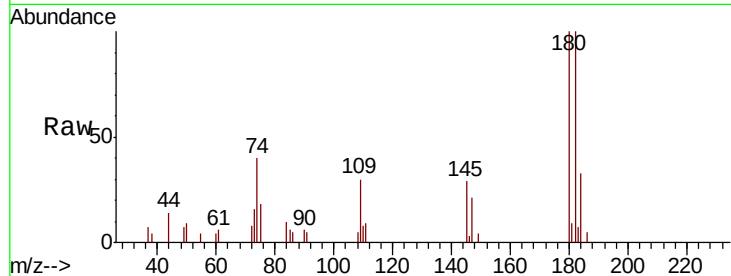




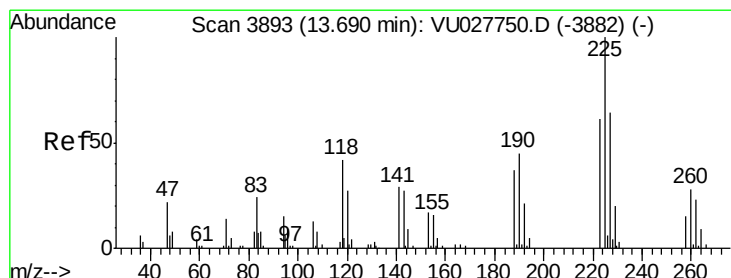
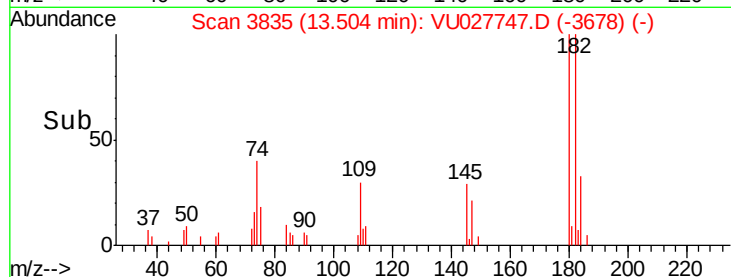
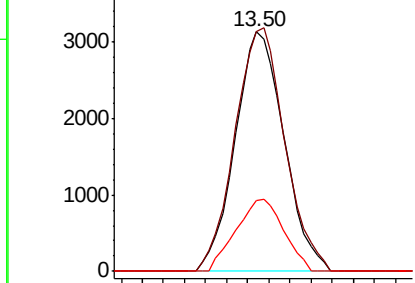
#87
 1,2,4-Trichlorobenzene
 Concen: 0.910 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027747.D
 Acq: 22 Oct 2018 18:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:180 Resp: 5054
 Ion Ratio Lower Upper
 180 100
 182 103.3 75.9 113.9
 145 29.3 23.6 35.4

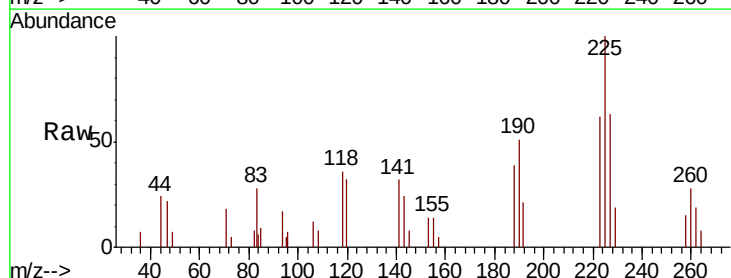


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

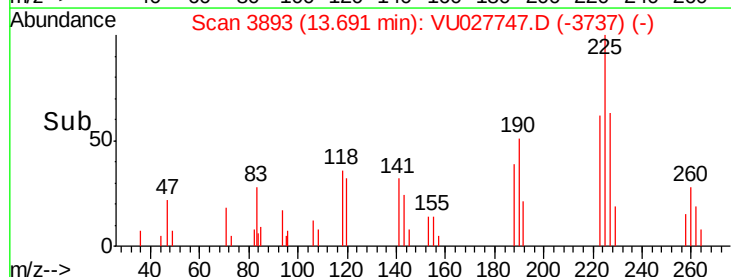
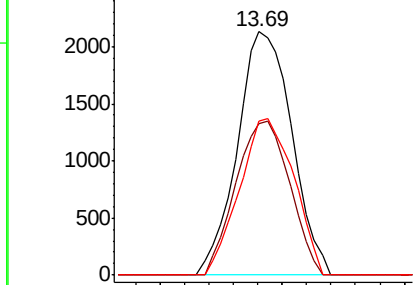


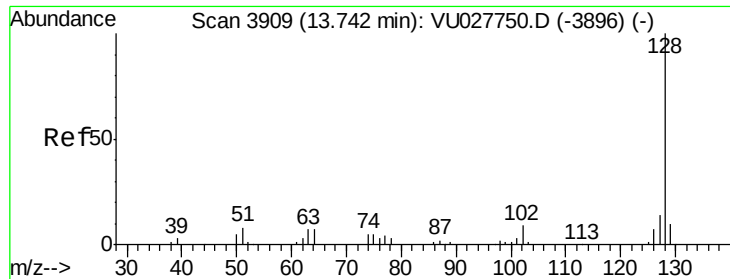
#88
 Hexachlorobutadiene
 Concen: 0.996 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU027747.D
 Acq: 22 Oct 2018 18:21

Tgt Ion:225 Resp: 3294
 Ion Ratio Lower Upper
 225 100
 223 62.9 49.6 74.4
 227 64.0 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

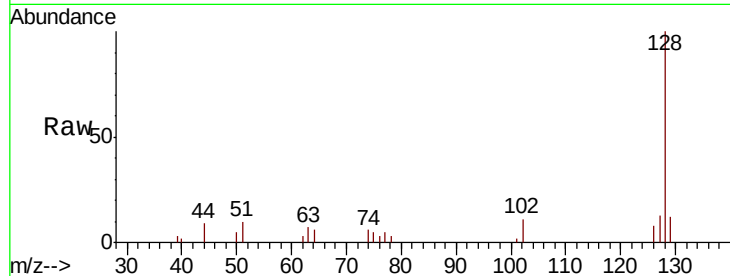




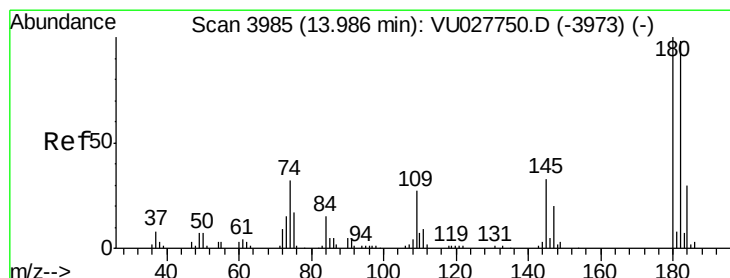
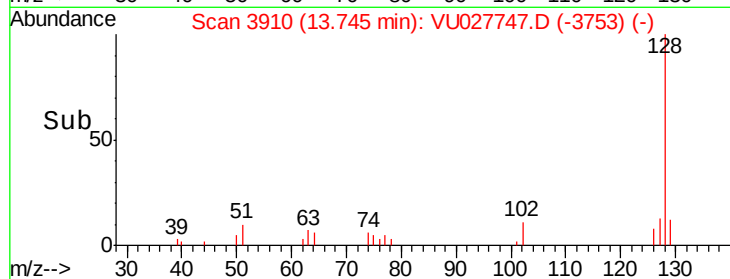
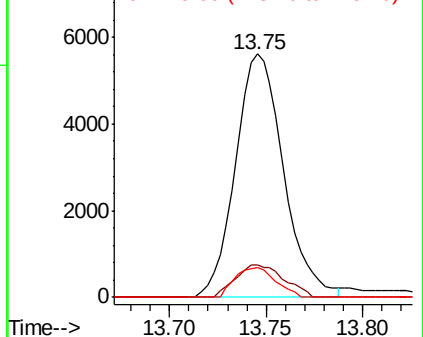
#89
Naphthalene
Concen: 0.882 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027747.D
Acq: 22 Oct 2018 18:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:128 Resp: 9690
Ion Ratio Lower Upper
128 100
127 13.5 10.7 16.1
129 10.4 8.5 12.7

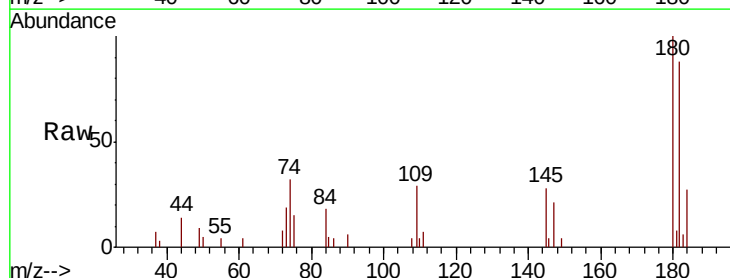


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#90
1,2,3-Trichlorobenzene
Concen: 1.002 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027747.D
Acq: 22 Oct 2018 18:21

Tgt Ion:180 Resp: 5142
Ion Ratio Lower Upper
180 100
182 95.0 77.0 115.6
145 29.9 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

