

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100118\
 Data File : VU027316.D
 Acq On : 01 Oct 2018 12:02
 Operator : MD/SY
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

Quant Time: Oct 01 23:23:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 01 23:17:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	119903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	203073	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	194604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	104095	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	288378	151.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	303.14%	
35) Dibromofluoromethane	4.88	113	206750	154.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.82%	
50) Toluene-d8	7.57	98	828294	159.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	318.08%	
62) 4-Bromofluorobenzene	10.31	95	318782	167.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	334.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	288551	166.922	ug/l	99
3) Chloromethane	1.33	50	360986	154.244	ug/l	99
4) Vinyl Chloride	1.40	62	354498	161.136	ug/l	99
5) Bromomethane	1.60	94	167989	176.469	ug/l	99
6) Chloroethane	1.68	64	190961	144.450	ug/l	99
7) Trichlorofluoromethane	1.87	101	362047	162.193	ug/l	97
8) Diethyl Ether	2.10	74	159471	155.087	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	205635	158.627	ug/l	99
10) Methyl Iodide	2.40	142	196923	208.676	ug/l	100
11) Tert butyl alcohol	2.84	59	332550	788.736	ug/l	99
12) 1,1-Dichloroethene	2.28	96	200567	158.359	ug/l	98
13) Acrolein	2.19	56	272279	769.615	ug/l	100
14) Allyl chloride	2.59	41	504417	167.715	ug/l	91
15) Acrylonitrile	2.94	53	858472	782.297	ug/l	100
16) Acetone	2.32	43	790930	668.690	ug/l	100
17) Carbon Disulfide	2.47	76	703547	154.020	ug/l	100
18) Methyl Acetate	2.61	43	398783	147.791	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	794911	156.639	ug/l	99
20) Methylene Chloride	2.70	84	247126	149.993	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	220798	155.279	ug/l	98
22) Diisopropyl ether	3.57	45	958694	156.830	ug/l	98
23) Vinyl Acetate	3.52	43	4305153	806.435	ug/l	100
24) 1,1-Dichloroethane	3.44	63	489240	155.682	ug/l	100
25) 2-Butanone	4.26	43	1245123	771.959	ug/l	99
26) 2,2-Dichloropropane	4.22	77	386008	149.487	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	253501	155.894	ug/l	100
28) Bromochloromethane	4.55	49	225162	148.509	ug/l	100
29) Tetrahydrofuran	4.64	42	801058	788.058	ug/l	99
30) Chloroform	4.67	83	430591	154.220	ug/l	99
31) Cyclohexane	4.99	56	481908	131.133	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	365962	155.630	ug/l	100
36) 1,1-Dichloropropene	5.13	75	348851	158.215	ug/l	99
37) Ethyl Acetate	4.38	43	450503	165.695	ug/l	100
38) Carbon Tetrachloride	5.13	117	316671	158.993	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	428477	166.241	ug/l	98
40) Benzene	5.39	78	1010636	157.355	ug/l	100
41) Methacrylonitrile	4.54	41	259802	161.302	ug/l	99
42) 1,2-Dichloroethane	5.40	62	371896	155.994	ug/l	100
43) Isopropyl Acetate	5.55	43	728404	164.582	ug/l	100
44) Trichloroethene	6.19	130	225444	157.418	ug/l	98
45) 1,2-Dichloropropane	6.43	63	294857	159.167	ug/l	96
46) Dibromomethane	6.56	93	169484	161.989	ug/l	99
47) Bromodichloromethane	6.76	83	351217	161.776	ug/l	99
48) Methyl methacrylate	6.62	41	376410	171.026	ug/l	99
49) 1,4-Dioxane	6.62	88	127113	3356.745	ug/l	99
51) 4-Methyl-2-Pentanone	7.47	43	2408527	837.479	ug/l	99
52) Toluene	7.64	92	612363	161.084	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	437176	171.748	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	454624	166.138	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	241923	160.507	ug/l	99
56) Ethyl methacrylate	8.02	69	453478	181.287	ug/l	99
57) 1,3-Dichloropropane	8.24	76	467950	159.930	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	1227222	878.228	ug/l	100
59) 2-Hexanone	8.37	43	1888417	846.473	ug/l	99
60) Dibromochloromethane	8.48	129	255598	169.081	ug/l	100
61) 1,2-Dibromoethane	8.59	107	259147	161.710	ug/l	99
64) Tetrachloroethene	8.23	164	189512	156.435	ug/l	99
65) Chlorobenzene	9.12	112	649007	158.439	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	229686	162.426	ug/l	99
67) Ethyl Benzene	9.25	91	1203303	165.803	ug/l	100
68) m/p-Xylenes	9.38	106	890499	335.447	ug/l	100
69) o-Xylene	9.78	106	432809	171.566	ug/l	100
70) Styrene	9.79	104	741414	178.971	ug/l	100
71) Bromoform	9.96	173	197678	173.748	ug/l #	100
73) Isopropylbenzene	10.17	105	1180483	156.143	ug/l	99
74) N-amyl acetate	10.02	43	714393	165.059	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	441227	148.631	ug/l	100
76) 1,2,3-Trichloropropane	10.50	75	552257	190.304	ug/l	83
77) Bromobenzene	10.45	156	270793	154.119	ug/l	98
78) n-propylbenzene	10.59	91	1461707	160.899	ug/l	100
79) 2-Chlorotoluene	10.66	91	835760	152.367	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	995925	161.802	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	552257	490.445	ug/l #	100
82) 4-Chlorotoluene	10.77	91	994618	159.787	ug/l	99
83) tert-Butylbenzene	11.10	119	968933	162.834	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	1022095	162.560	ug/l	100
85) sec-Butylbenzene	11.33	105	1238867	165.239	ug/l	99
86) p-Isopropyltoluene	11.48	119	1066665	166.164	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	510504	153.441	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	516855	152.025	ug/l	99
89) n-Butylbenzene	11.89	91	1056655	176.467	ug/l	100
90) Hexachloroethane	12.15	117	197091	162.885	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	506294	156.336	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	104357	158.617	ug/l	97

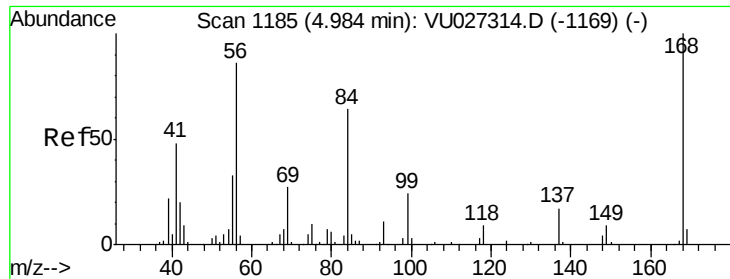
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100118\
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Quant Title : SW846 8260
QLast Update : Mon Oct 01 23:17:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	357582	170.643	ug/l	98
94) Hexachlorobutadiene	13.69	225	170582	161.119	ug/l	99
95) Naphthalene	13.74	128	1213987	172.800	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	356215	163.166	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

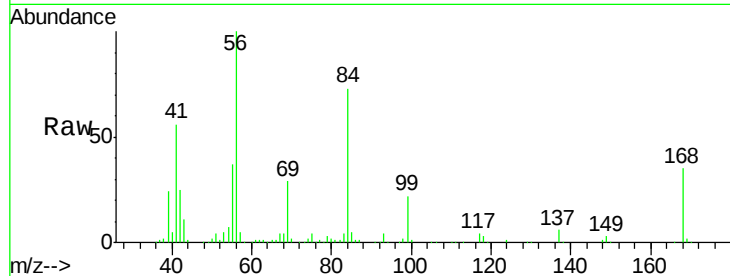
VSTDIC150

Tgt Ion:168 Resp: 119903

Ion Ratio Lower Upper

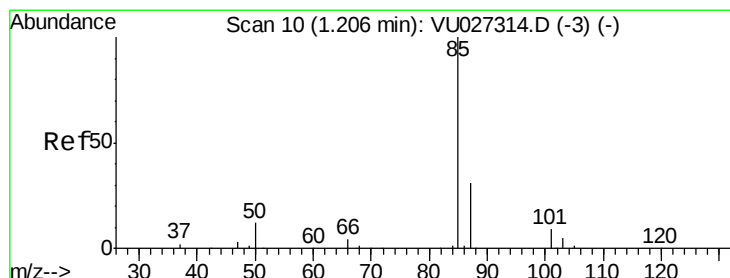
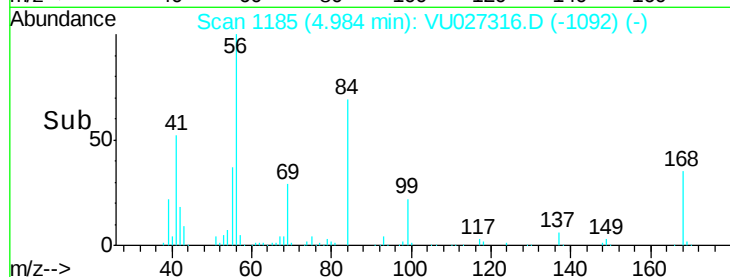
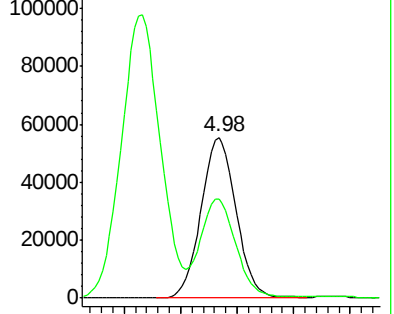
168 100

99 60.8 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)



#2

Dichlorodifluoromethane

Concen: 166.922 ug/l

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

Lab File: VU027316.D

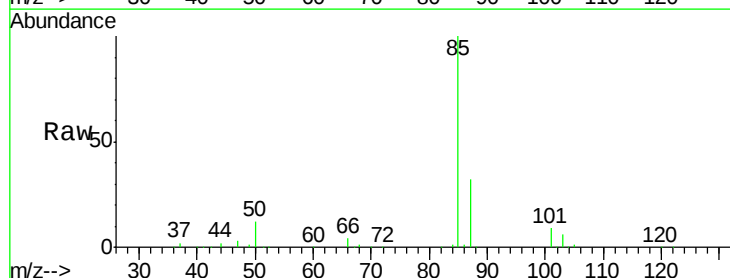
Acq: 01 Oct 2018 12:02

Tgt Ion: 85 Resp: 288551

Ion Ratio Lower Upper

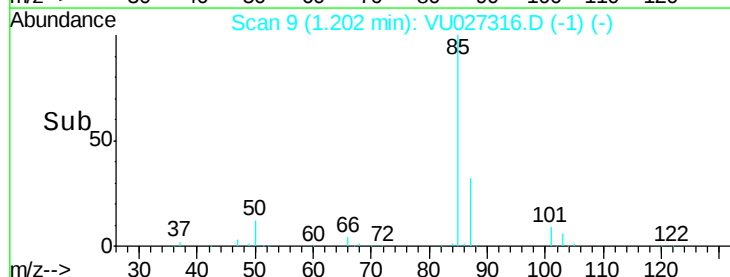
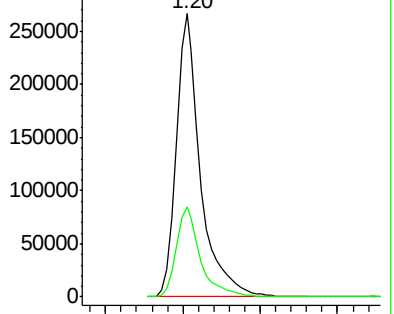
85 100

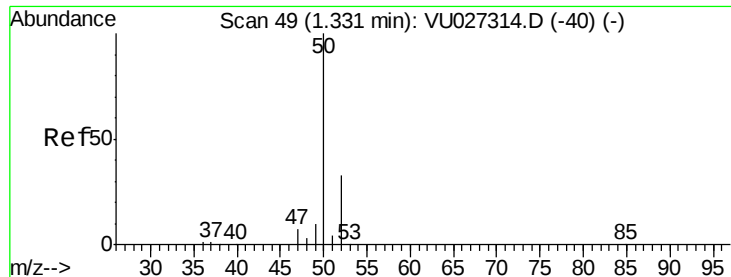
87 31.8 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VU027314.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027314.D (-3) (-)

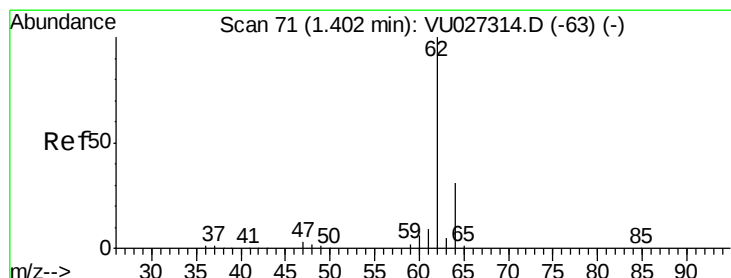
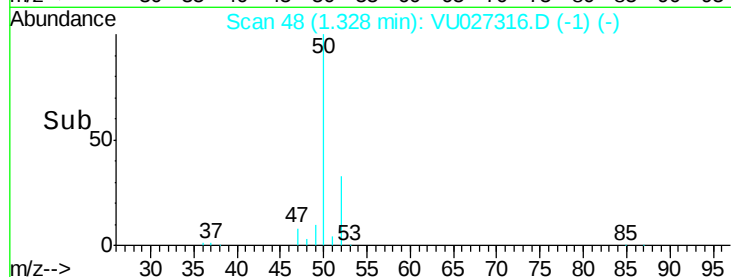
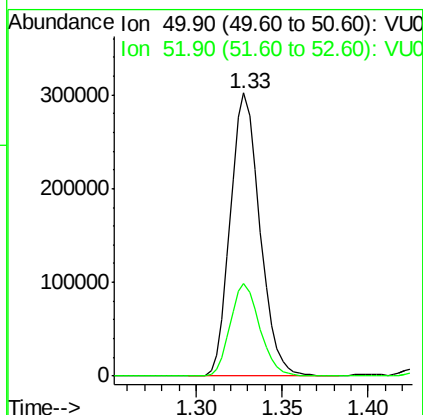
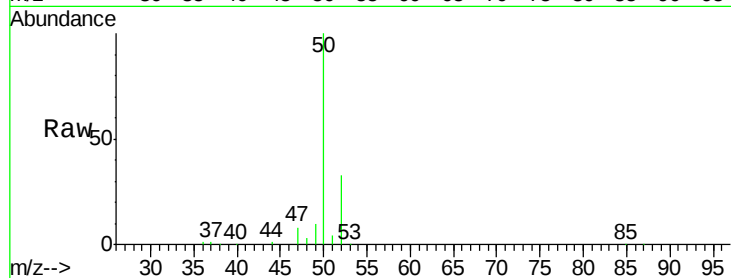




#3
Chloromethane
Concen: 154.244 ug/l
RT: 1.33 min Scan# 48
Delta R.T. -0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

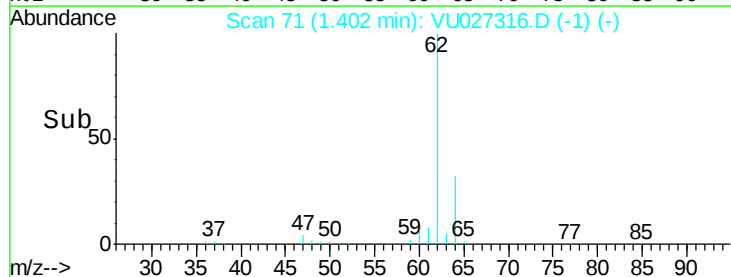
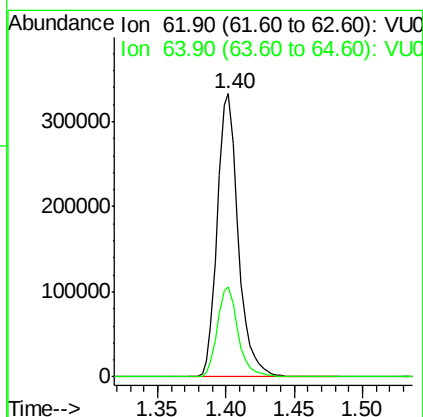
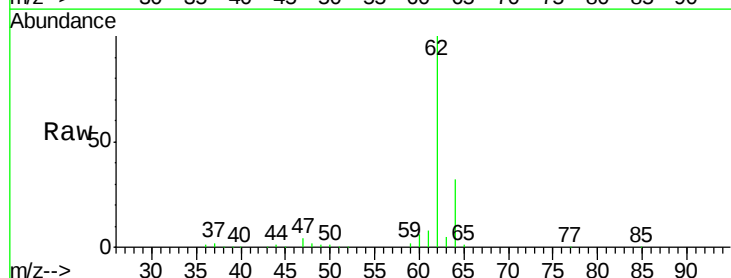
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

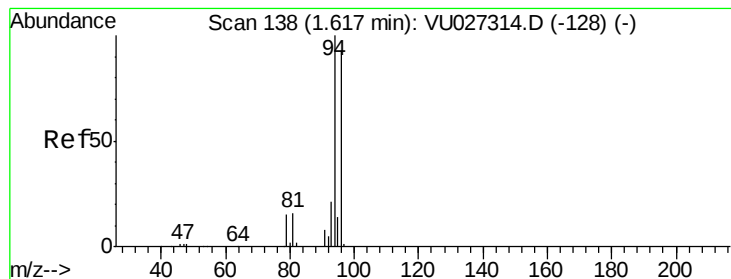
Tgt Ion: 50 Resp: 360986
Ion Ratio Lower Upper
50 100
52 32.5 26.5 39.7



#4
Vinyl Chloride
Concen: 161.136 ug/l
RT: 1.40 min Scan# 71
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion: 62 Resp: 354498
Ion Ratio Lower Upper
62 100
64 31.8 24.9 37.3





#5

Bromomethane

Concen: 176.469 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.01 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

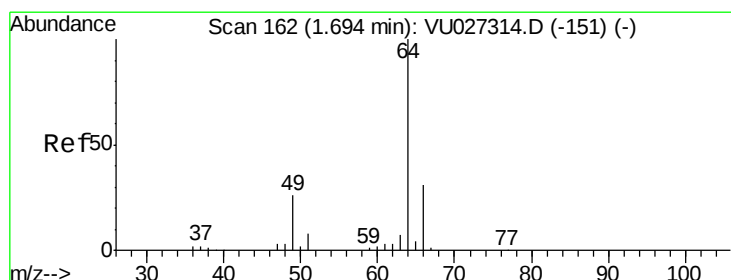
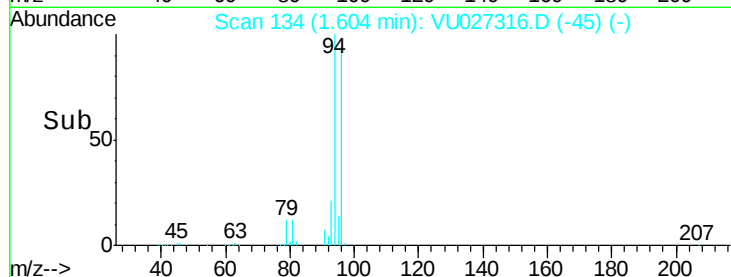
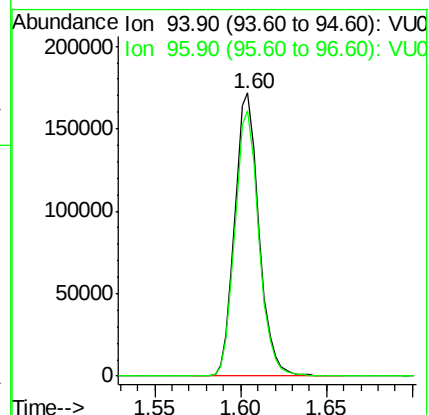
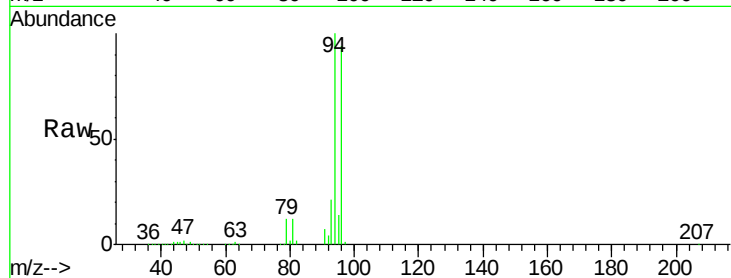
VSTDIC150

Tgt Ion: 94 Resp: 167989

Ion Ratio Lower Upper

94 100

96 93.9 74.6 111.8



#6

Chloroethane

Concen: 144.450 ug/l

RT: 1.68 min Scan# 156

Delta R.T. -0.02 min

Lab File: VU027316.D

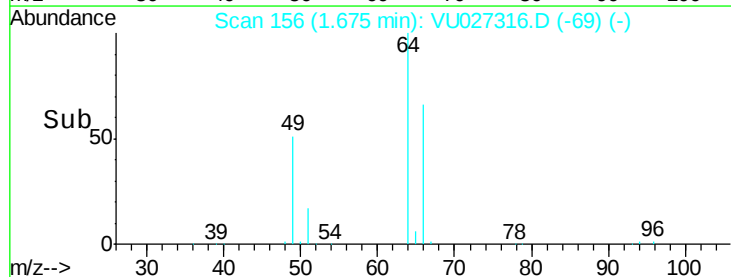
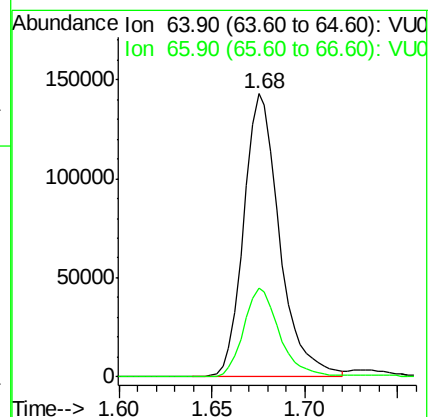
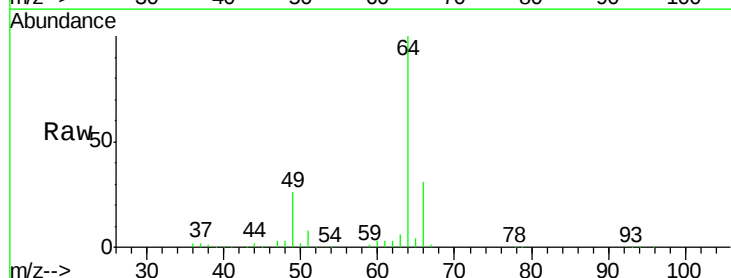
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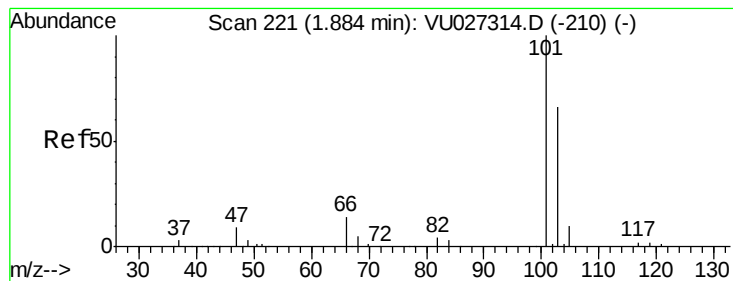
Tgt Ion: 64 Resp: 190961

Ion Ratio Lower Upper

64 100

66 31.5 24.6 36.8



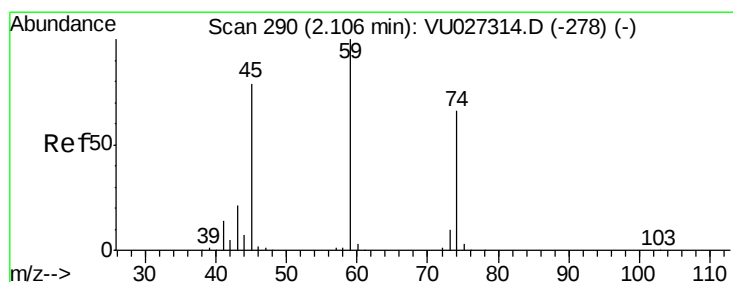
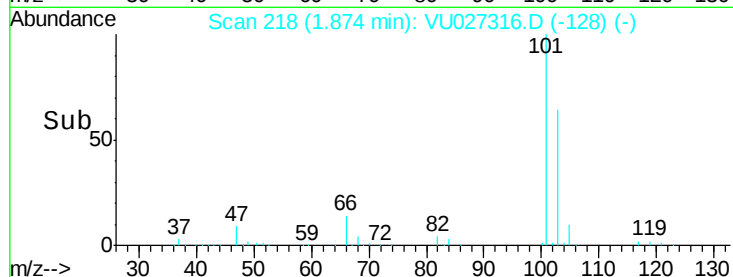
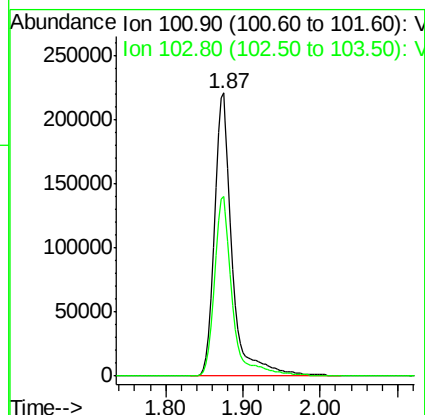
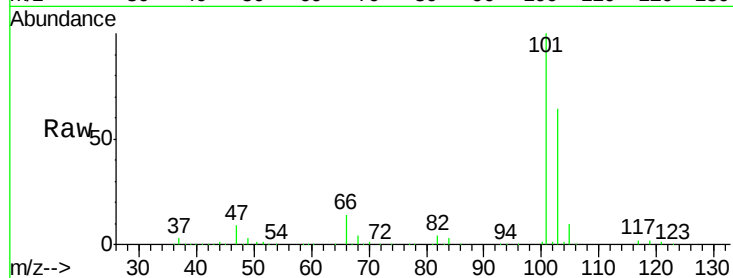


#7

Trichlorofluoromethane
Concen: 162.193 ug/l
RT: 1.87 min Scan# 218
Delta R.T. -0.01 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Instrument :
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VSTDIC150

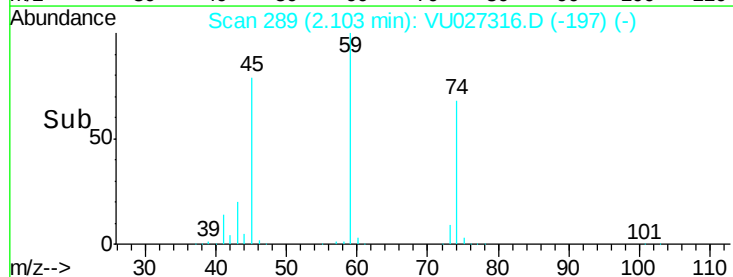
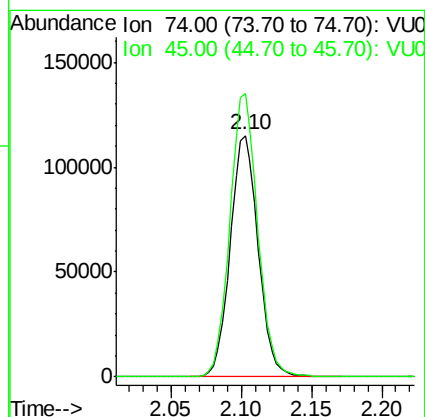
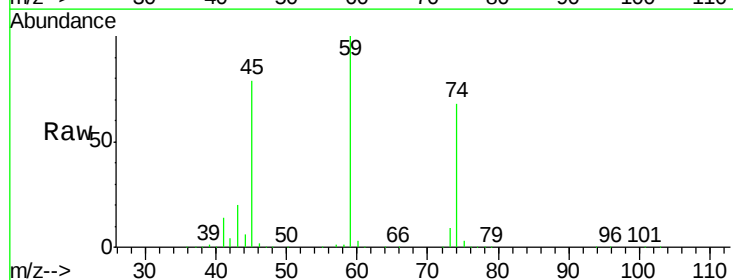
Tgt Ion: 101 Resp: 362047
Ion Ratio Lower Upper
101 100
103 63.5 52.6 78.8

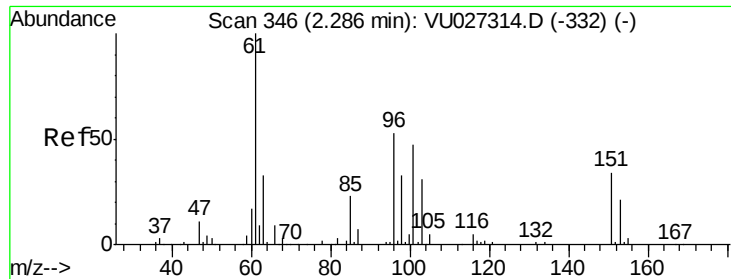


#8

Diethyl Ether
Concen: 155.087 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion: 74 Resp: 159471
Ion Ratio Lower Upper
74 100
45 117.0 60.4 181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 158.627 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

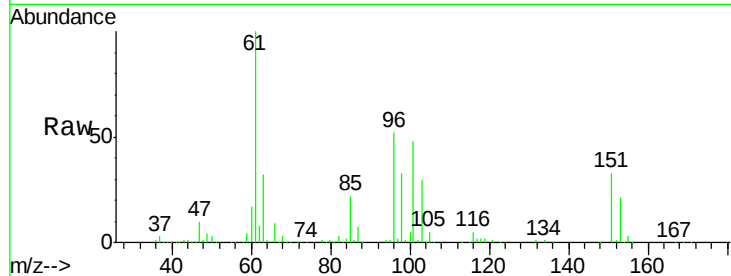
Tgt Ion:101 Resp: 205635

Ion Ratio Lower Upper

101 100

85 45.8 37.5 56.3

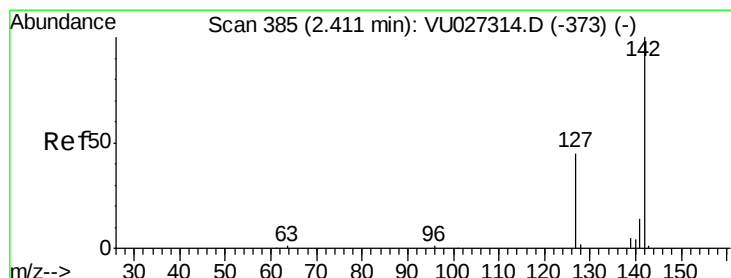
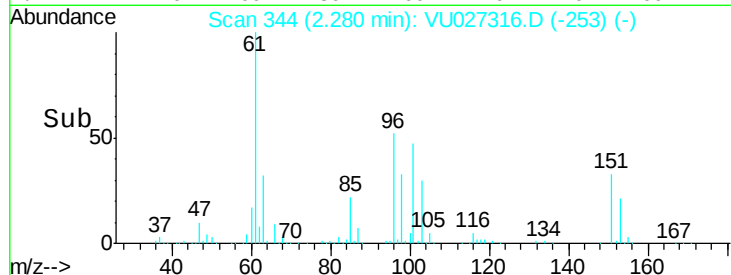
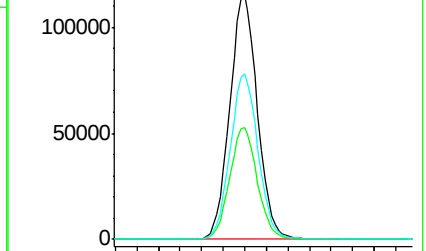
151 68.4 55.6 83.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 208.676 ug/l

RT: 2.40 min Scan# 383

Delta R.T. -0.01 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

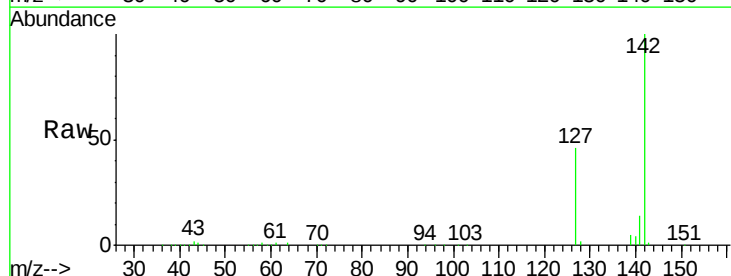
Tgt Ion:142 Resp: 196923

Ion Ratio Lower Upper

142 100

127 45.5 36.3 54.5

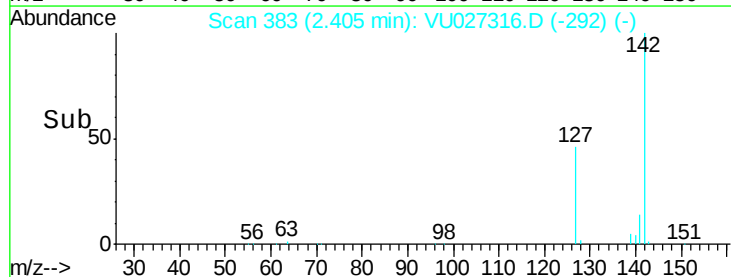
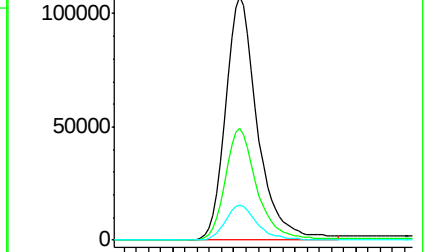
141 14.3 11.6 17.4

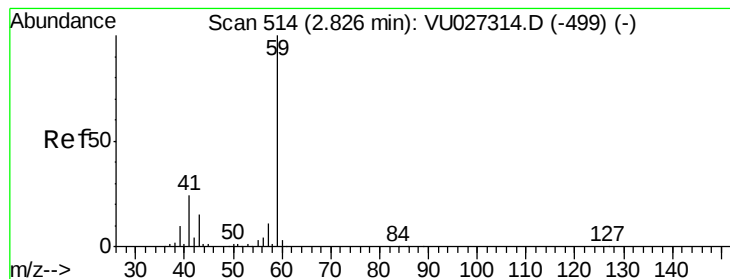


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



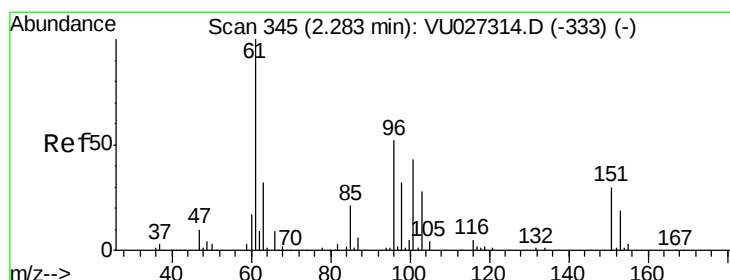
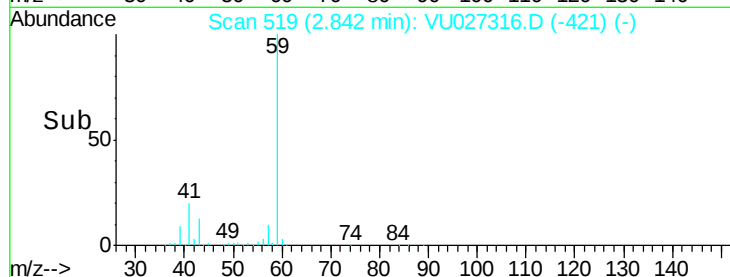
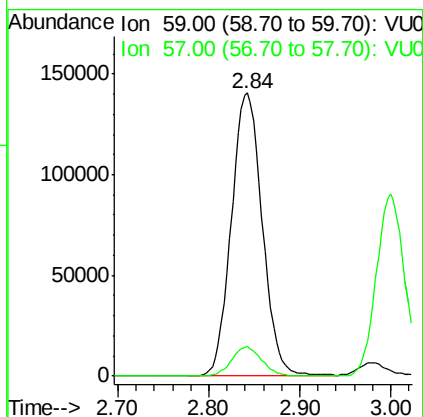
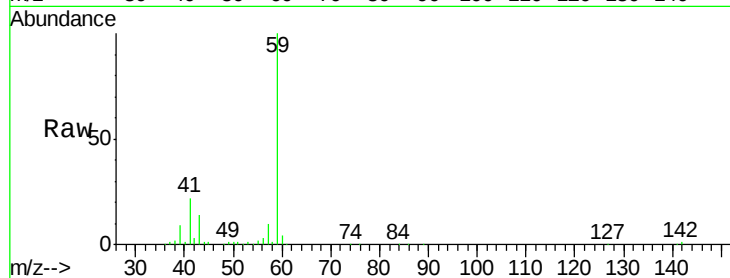


#11

Tert butyl alcohol
Concen: 788.736 ug/l
RT: 2.84 min Scan# 519
Delta R.T. 0.02 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

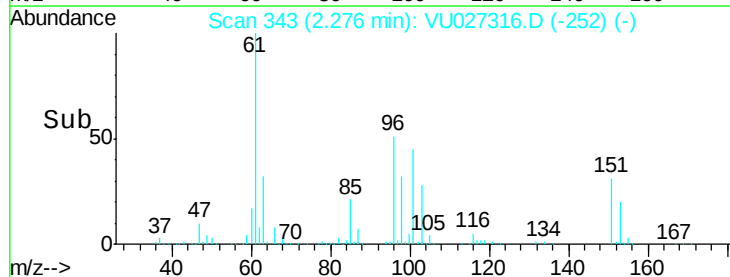
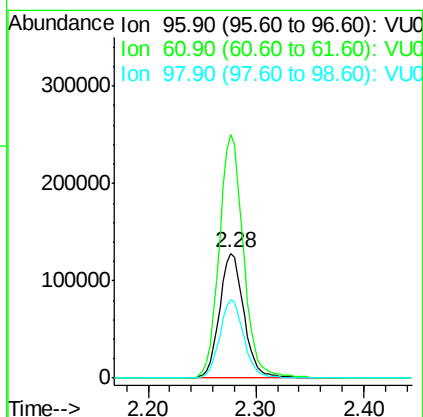
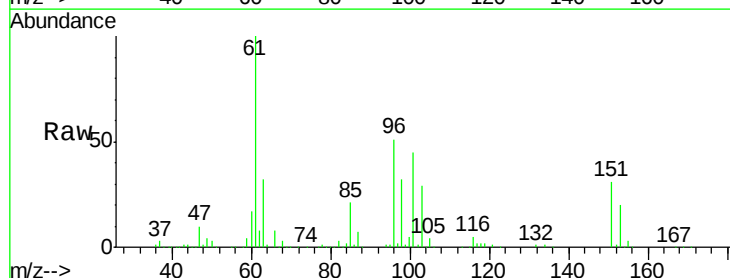
Tgt Ion: 59 Resp: 332550
Ion Ratio Lower Upper
59 100
57 10.3 8.4 12.6

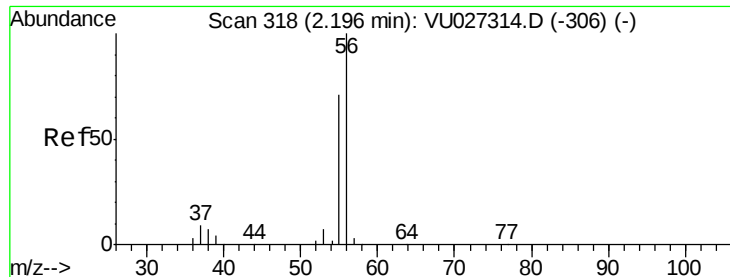


#12

1,1-Dichloroethene
Concen: 158.359 ug/l
RT: 2.28 min Scan# 343
Delta R.T. -0.01 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion: 96 Resp: 200567
Ion Ratio Lower Upper
96 100
61 195.3 153.0 229.6
98 62.6 49.3 73.9





#13

Acrolein

Concen: 769.615 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

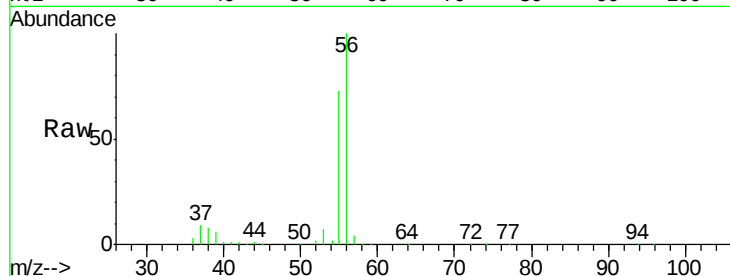
VSTDIC150

Tgt Ion: 56 Resp: 272279

Ion Ratio Lower Upper

56 100

55 72.1 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

200000

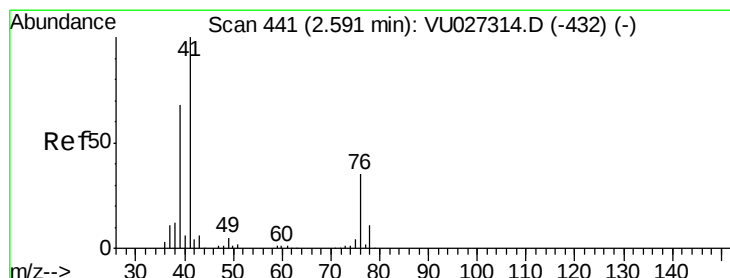
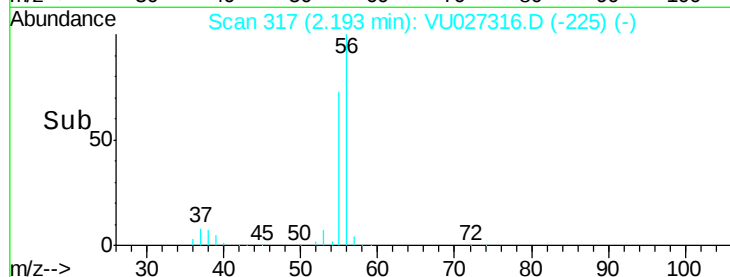
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 167.715 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

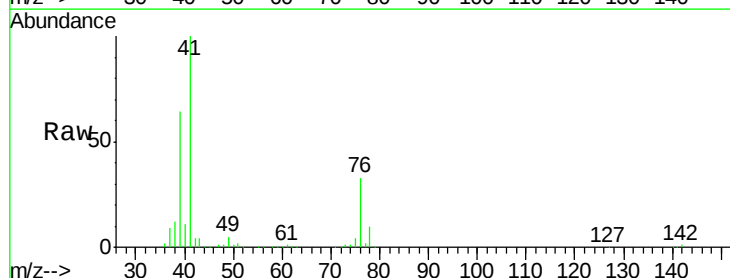
Tgt Ion: 41 Resp: 504417

Ion Ratio Lower Upper

41 100

39 57.0 51.8 77.8

76 28.2 25.9 38.9



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

500000

400000

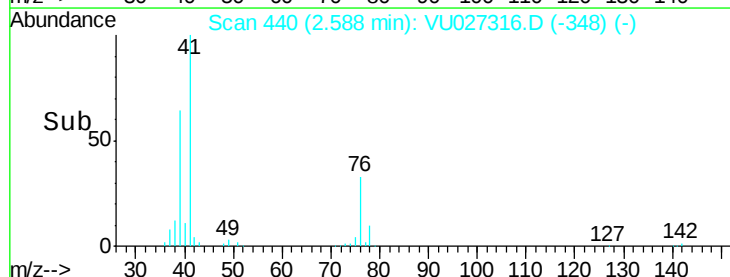
300000

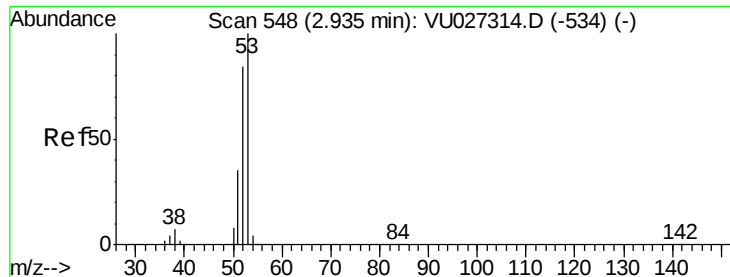
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 782.297 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

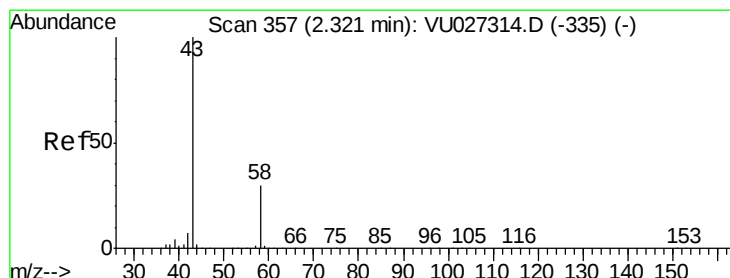
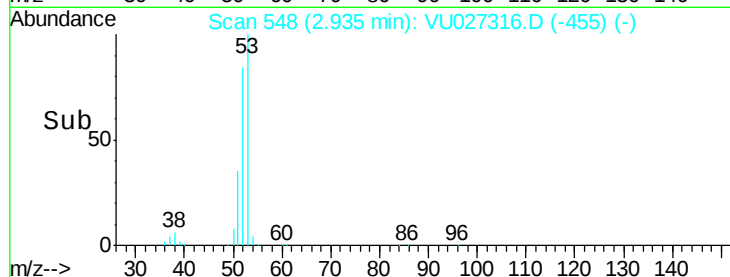
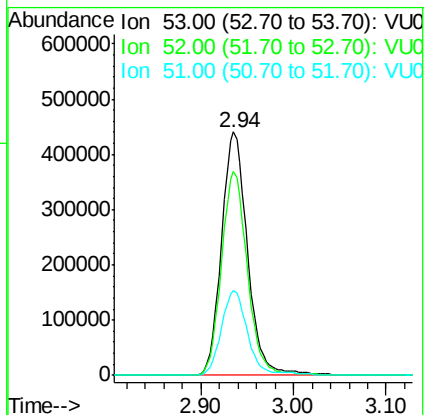
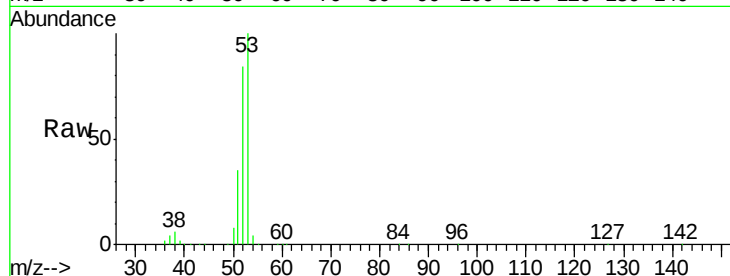
Tgt Ion: 53 Resp: 858472

Ion Ratio Lower Upper

53 100

52 83.2 66.5 99.7

51 35.2 27.6 41.4



#16

Acetone

Concen: 668.690 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027316.D

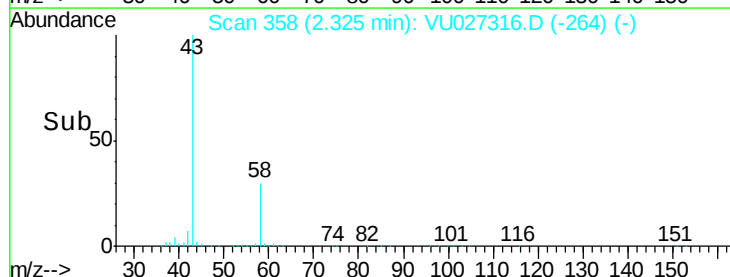
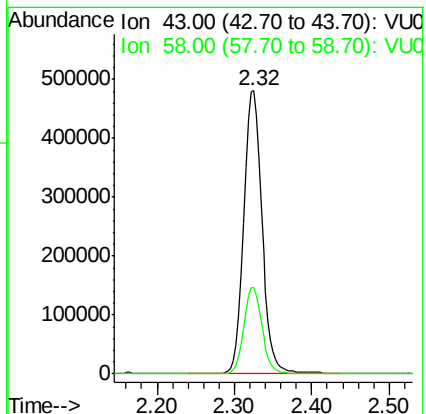
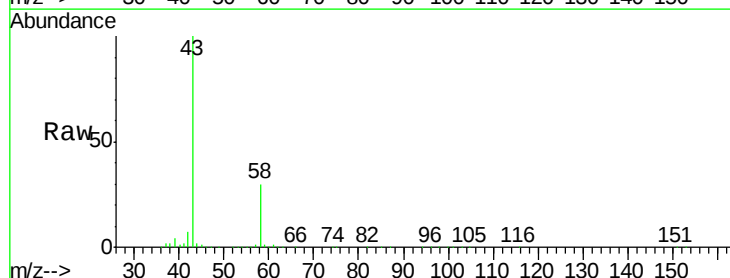
Acq: 01 Oct 2018 12:02

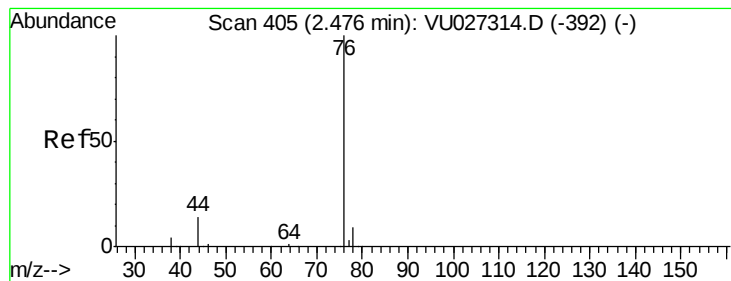
Tgt Ion: 43 Resp: 790930

Ion Ratio Lower Upper

43 100

58 30.4 24.2 36.4





#17

Carbon Disulfide

Concen: 154.020 ug/l

RT: 2.47 min Scan# 403

Delta R.T. -0.01 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

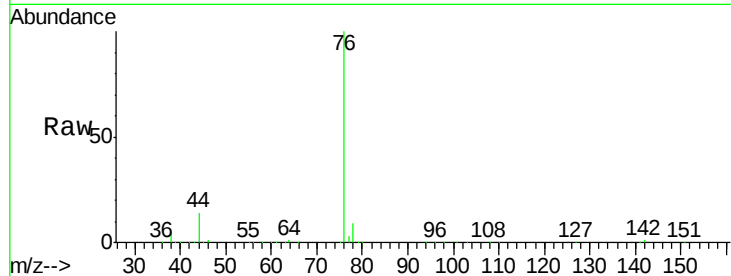
VSTDIC150

Tgt Ion: 76 Resp: 703547

Ion Ratio Lower Upper

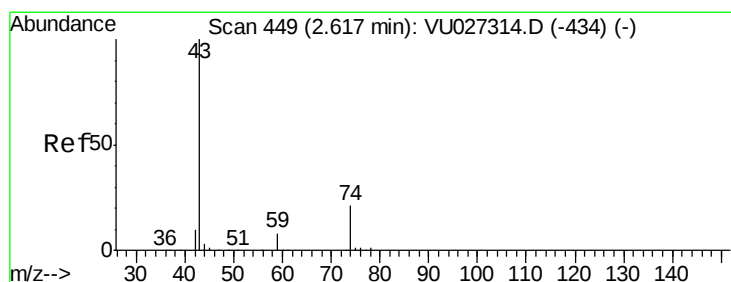
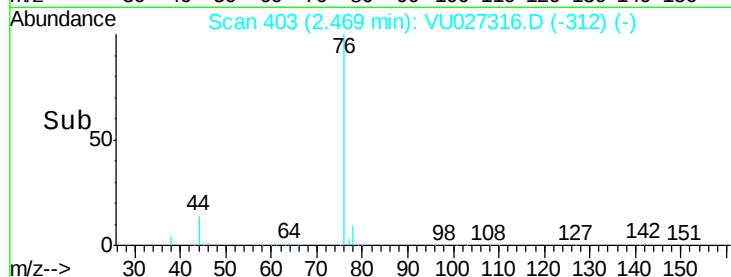
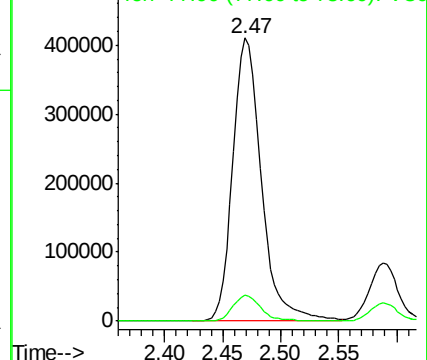
76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 147.791 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU027316.D

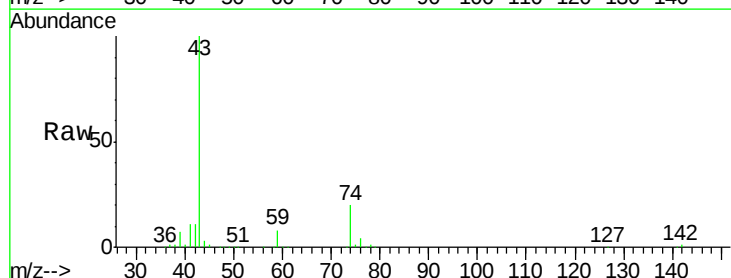
Acq: 01 Oct 2018 12:02

Tgt Ion: 43 Resp: 398783

Ion Ratio Lower Upper

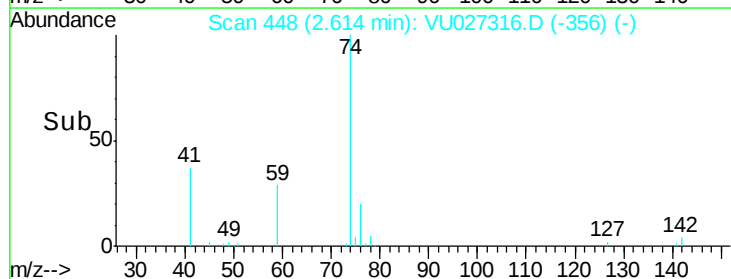
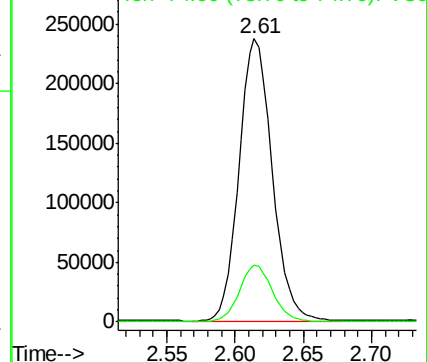
43 100

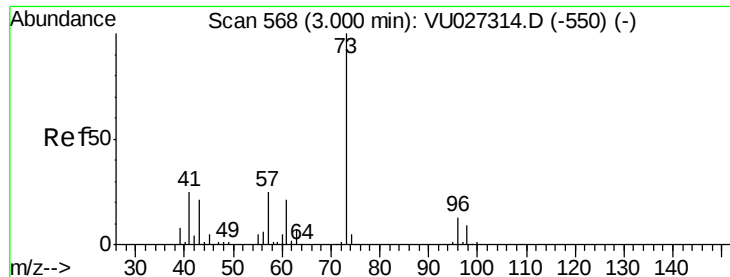
74 20.5 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

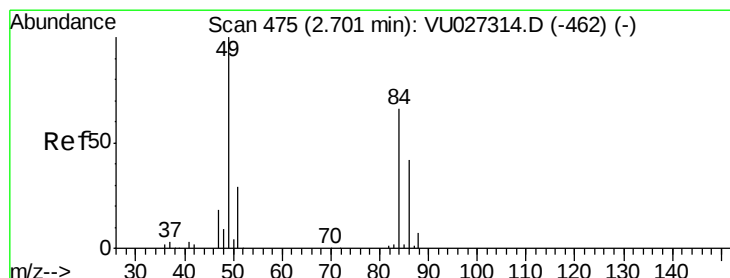
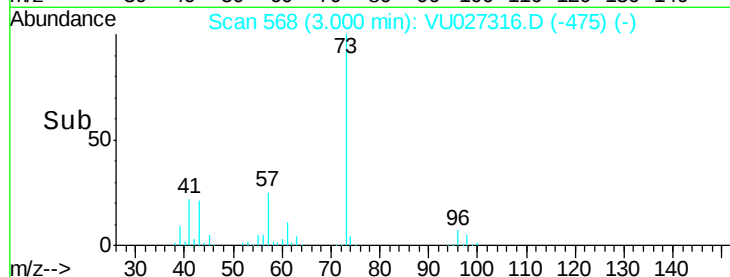
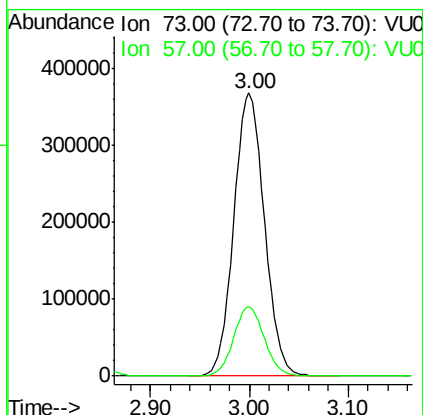
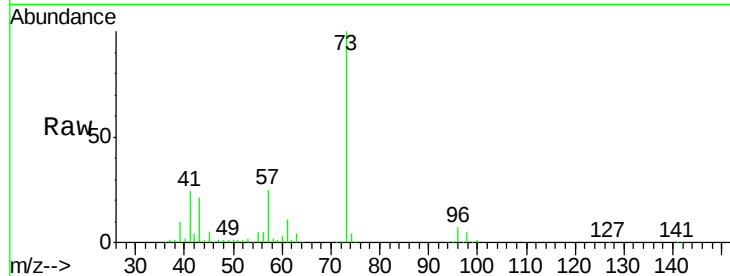




#19
Methyl tert-butyl Ether
Concen: 156.639 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

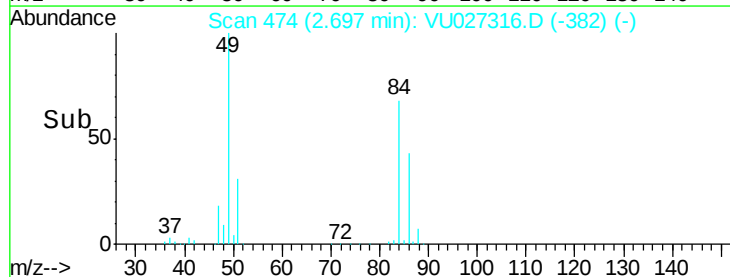
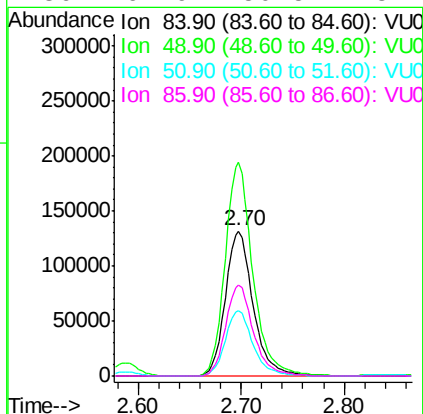
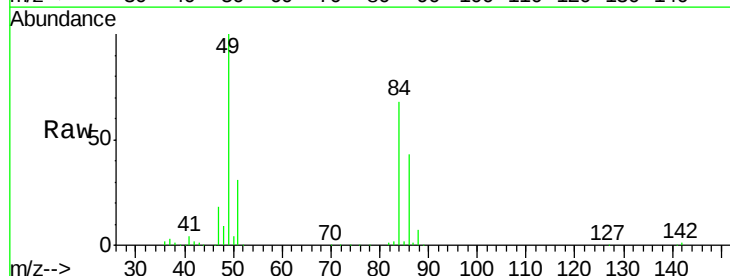
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

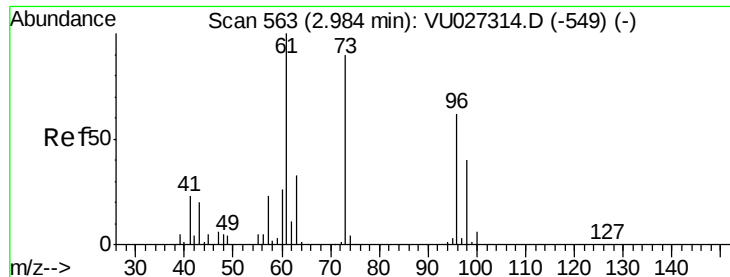
Tgt Ion: 73 Resp: 794911
Ion Ratio Lower Upper
73 100
57 24.5 20.0 30.0



#20
Methylene Chloride
Concen: 149.993 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion: 84 Resp: 247126
Ion Ratio Lower Upper
84 100
49 147.5 120.5 180.7
51 45.4 35.1 52.7
86 62.9 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 155.279 ug/l

RT: 2.98 min Scan# 561

Delta R.T. -0.01 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

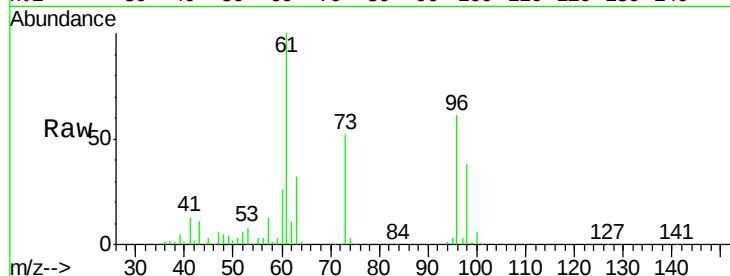
Tgt Ion: 96 Resp: 220798

Ion Ratio Lower Upper

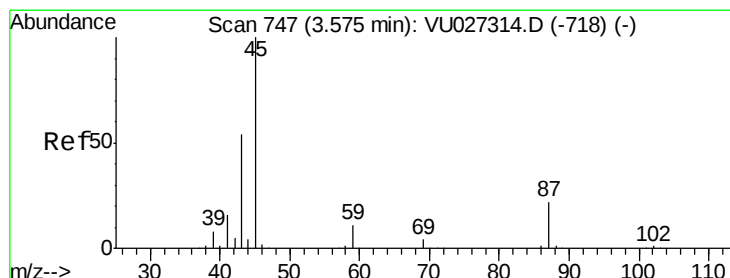
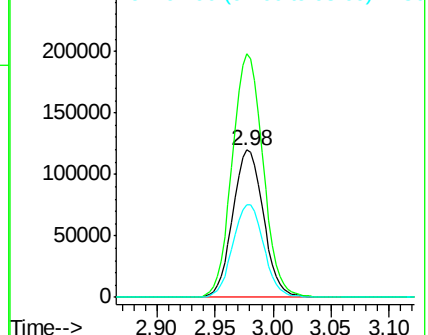
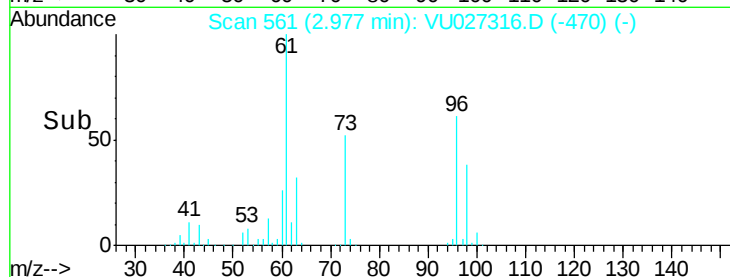
96 100

61 165.2 129.4 194.2

98 63.2 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VU027316.D (-470) (-)



#22

Diisopropyl ether

Concen: 156.830 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Tgt Ion: 45 Resp: 958694

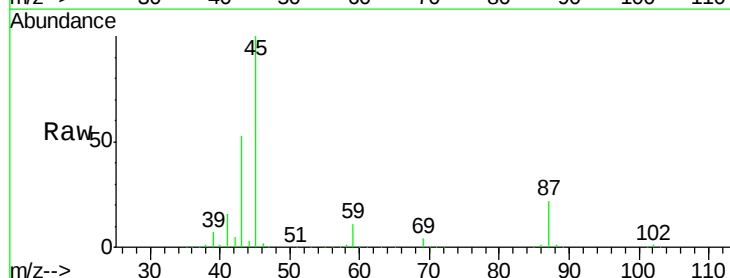
Ion Ratio Lower Upper

45 100

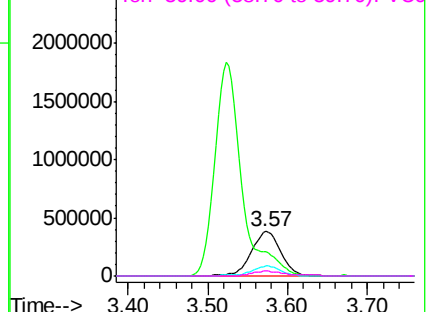
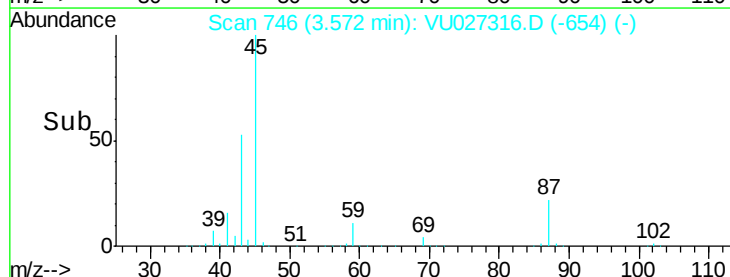
43 52.6 43.4 65.2

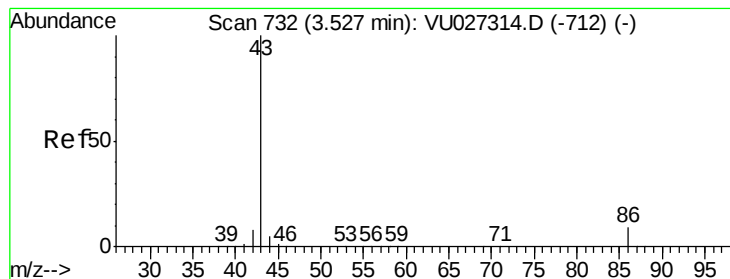
87 22.0 17.5 26.3

59 10.5 8.6 13.0



Abundance Ion 45.00 (44.70 to 45.70): VU027316.D (-654) (-)





#23

Vinyl Acetate

Concen: 806.435 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

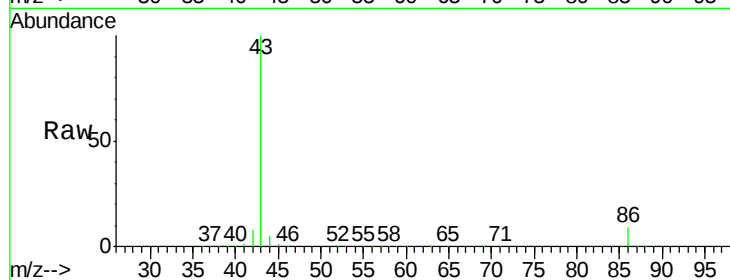
VSTDIC150

Tgt Ion: 43 Resp: 4305153

Ion Ratio Lower Upper

43 100

86 8.7 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.52

2000000

1500000

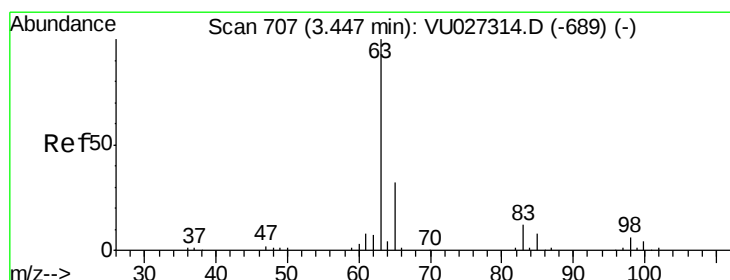
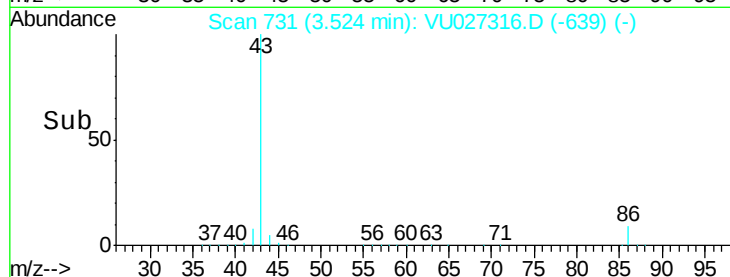
1000000

500000

0

Time-->

3.40 3.50 3.60 3.70



#24

1,1-Dichloroethane

Concen: 155.682 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

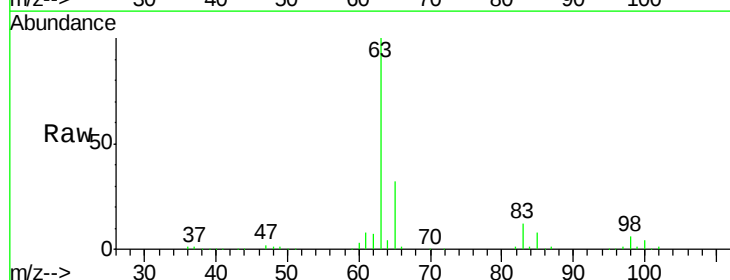
Tgt Ion: 63 Resp: 489240

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 3.9 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.44

300000

250000

200000

150000

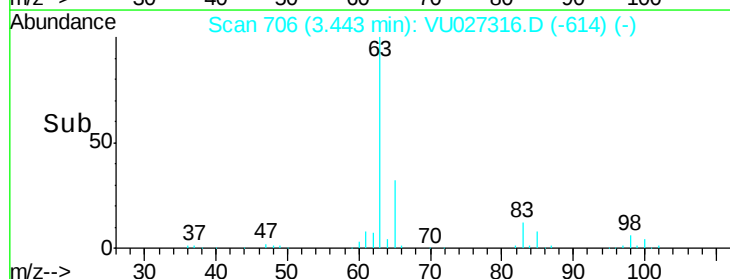
100000

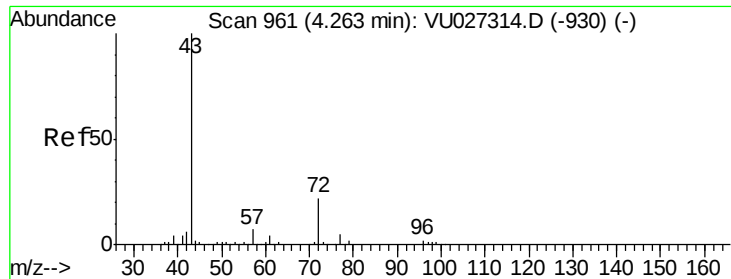
50000

0

Time-->

3.40 3.50





#25

2-Butanone

Concen: 771.959 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

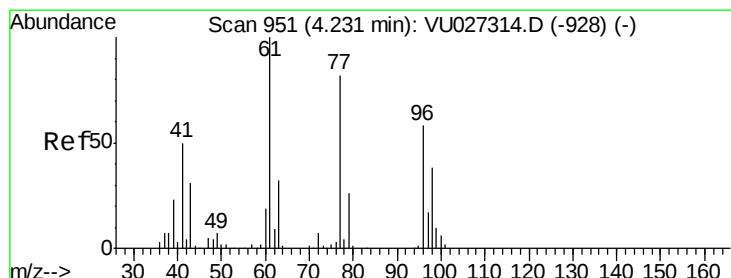
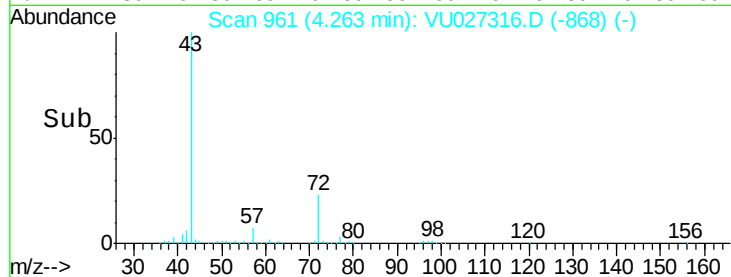
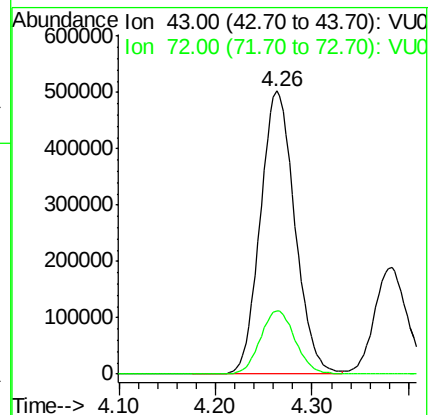
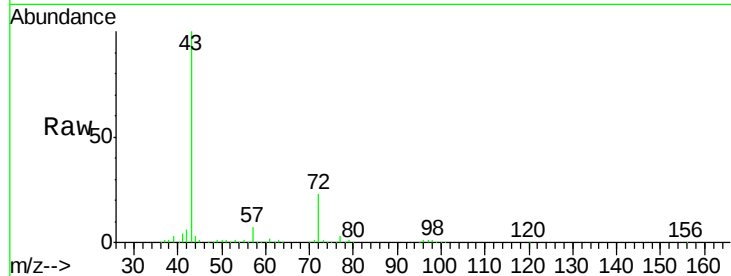
VSTDIC150

Tgt Ion: 43 Resp: 1245123

Ion Ratio Lower Upper

43 100

72 22.5 17.8 26.6



#26

2,2-Dichloropropane

Concen: 149.487 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.01 min

Lab File: VU027316.D

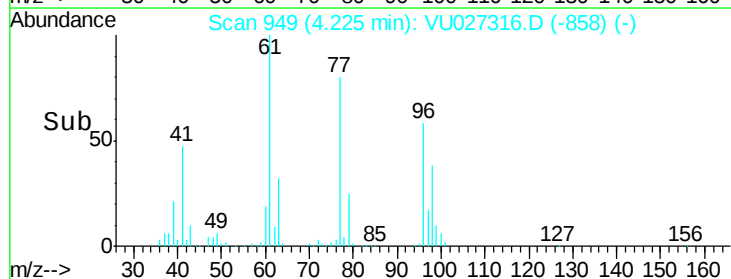
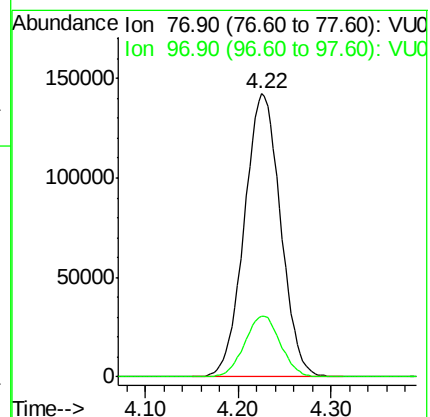
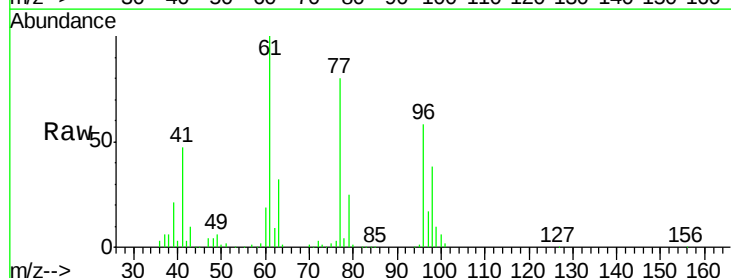
Acq: 01 Oct 2018 12:02

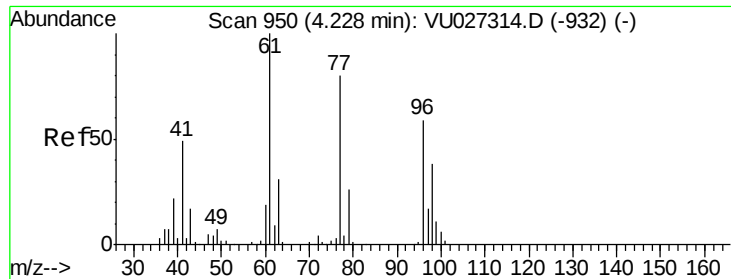
Tgt Ion: 77 Resp: 386008

Ion Ratio Lower Upper

77 100

97 21.3 10.4 31.1



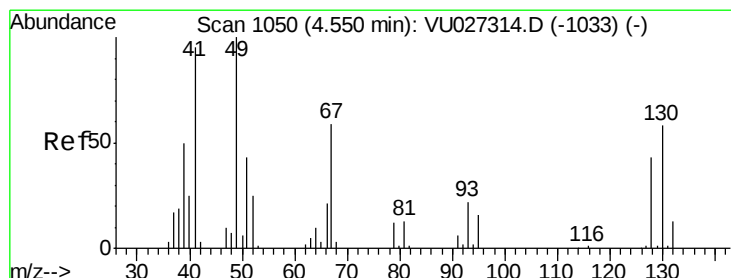
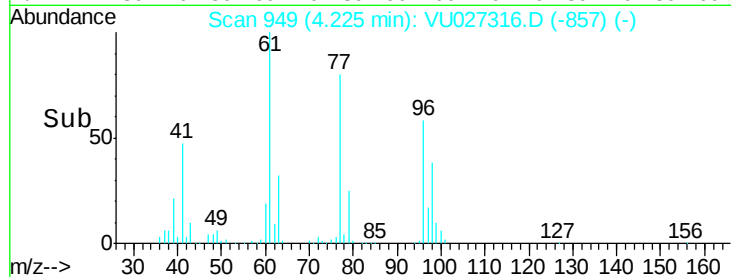
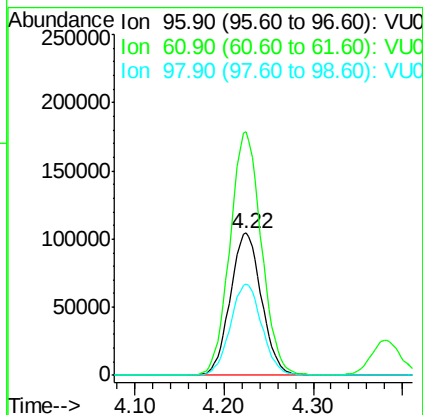
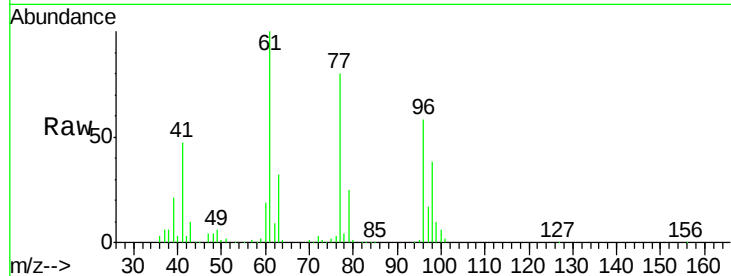


#27

cis-1,2-Dichloroethene
Concen: 155.894 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

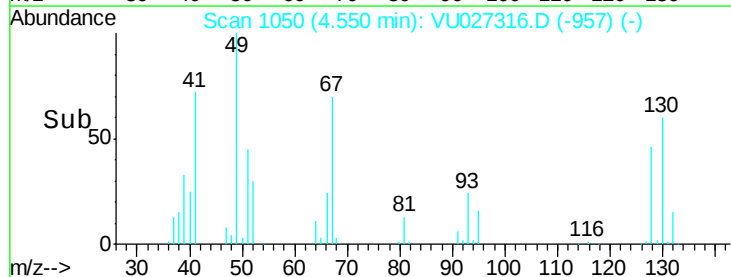
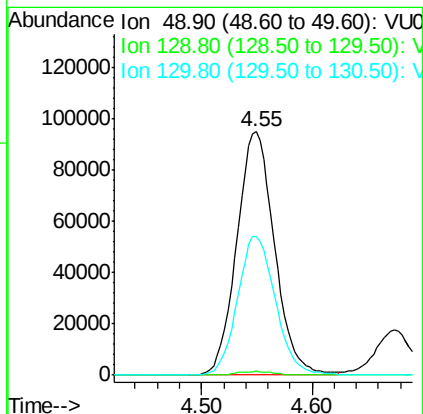
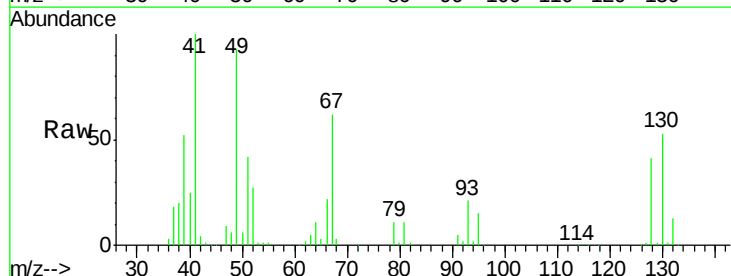
Tgt Ion: 96 Resp: 253501
Ion Ratio Lower Upper
96 100
61 172.2 0.0 343.8
98 64.6 0.0 129.0

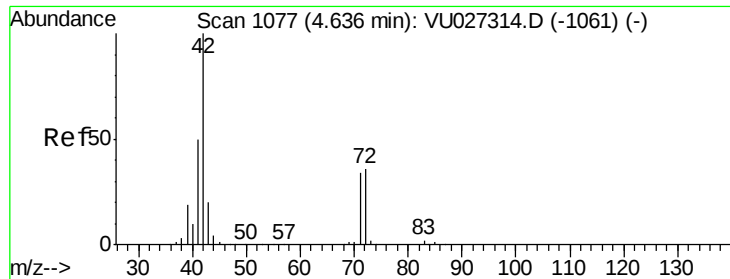


#28

Bromochloromethane
Concen: 148.509 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion: 49 Resp: 225162
Ion Ratio Lower Upper
49 100
129 1.4 0.0 3.0
130 57.2 46.1 69.1





#29

Tetrahydrofuran

Concen: 788.058 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

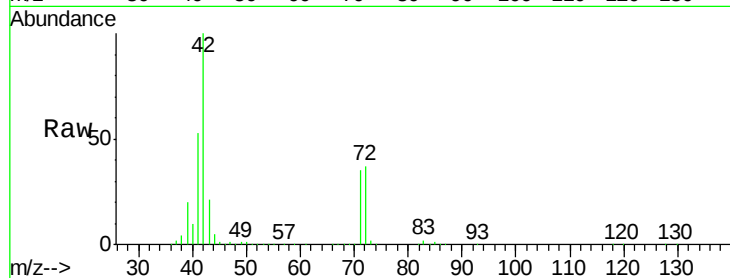
Tgt Ion: 42 Resp: 801058

Ion Ratio Lower Upper

42 100

72 37.6 30.1 45.1

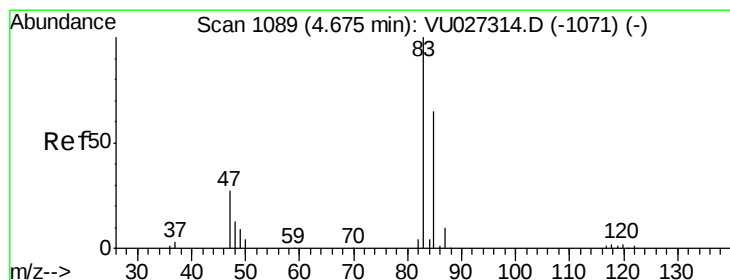
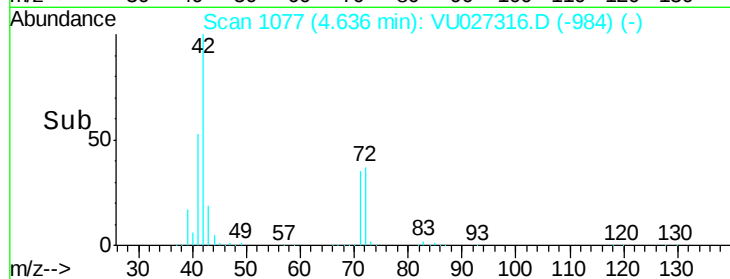
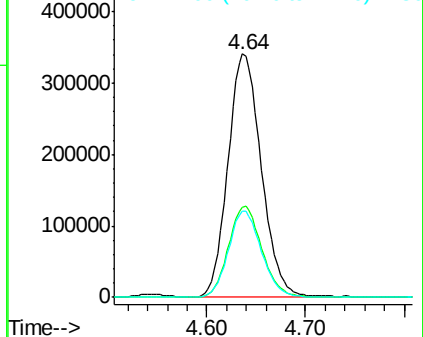
71 35.3 27.7 41.5



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 154.220 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU027316.D

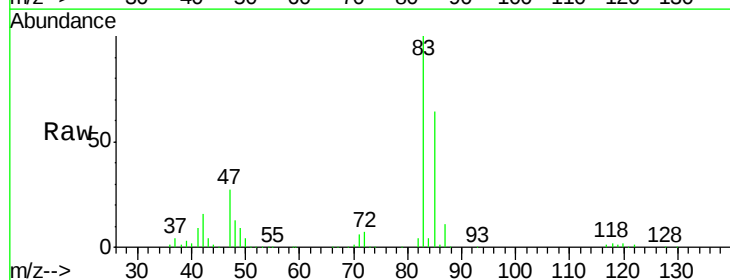
Acq: 01 Oct 2018 12:02

Tgt Ion: 83 Resp: 430591

Ion Ratio Lower Upper

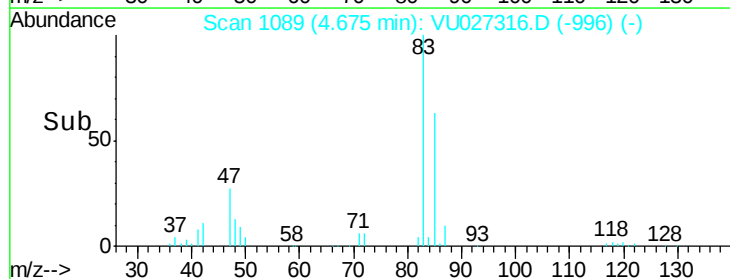
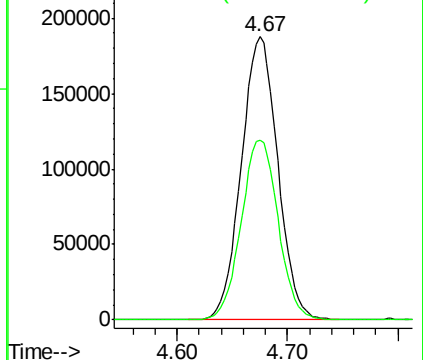
83 100

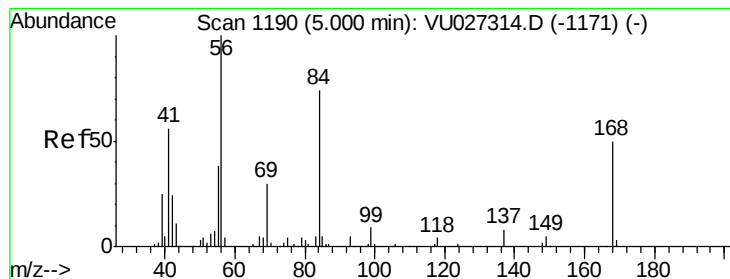
85 63.6 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0





#31

Cyclohexane

Concen: 131.133 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

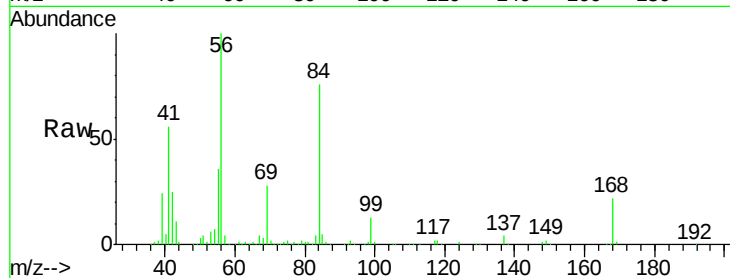
Tgt Ion: 56 Resp: 481908

Ion Ratio Lower Upper

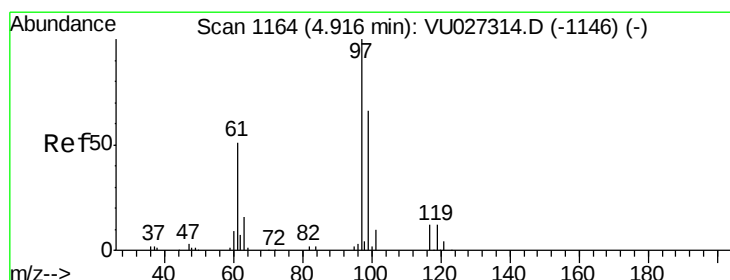
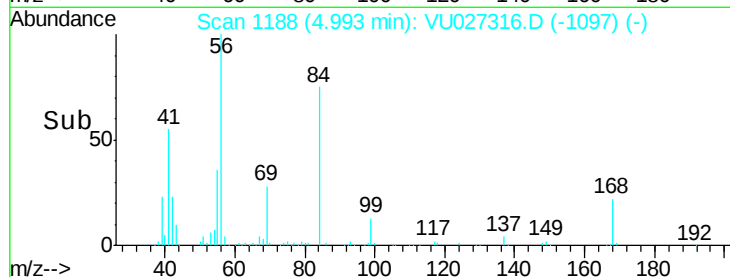
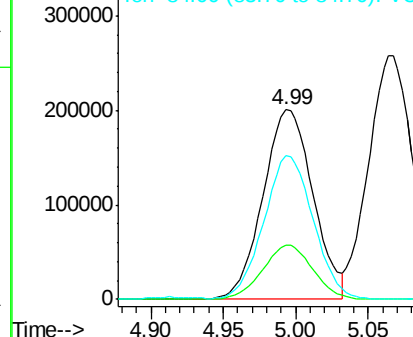
56 100

69 28.5 24.1 36.1

84 74.9 59.1 88.7



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



#32

1,1,1-Trichloroethane

Concen: 155.630 ug/l

RT: 4.92 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

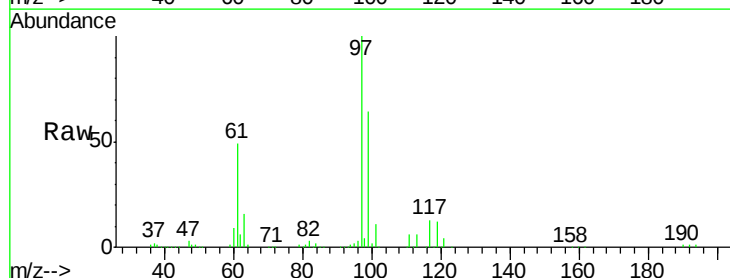
Tgt Ion: 97 Resp: 365962

Ion Ratio Lower Upper

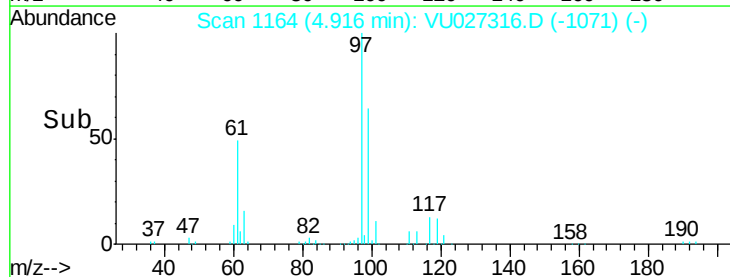
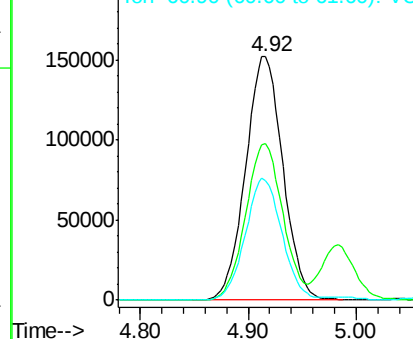
97 100

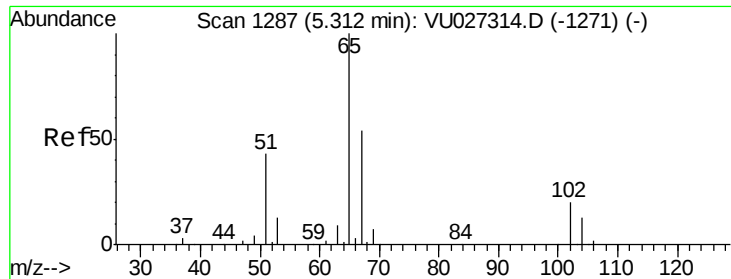
99 64.3 51.1 76.7

61 49.3 39.6 59.4



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0

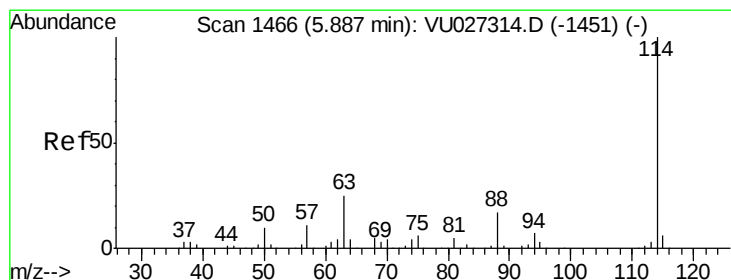
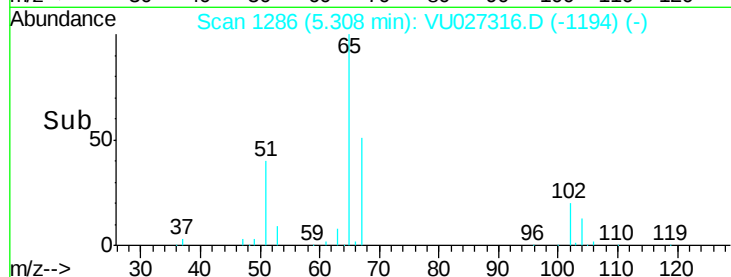
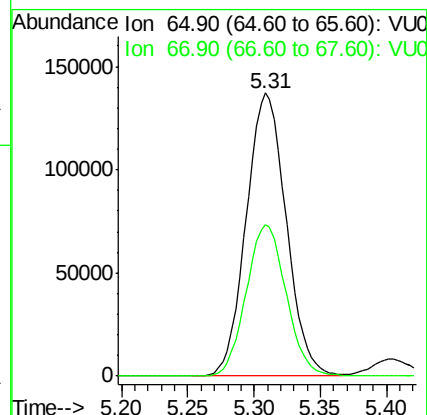
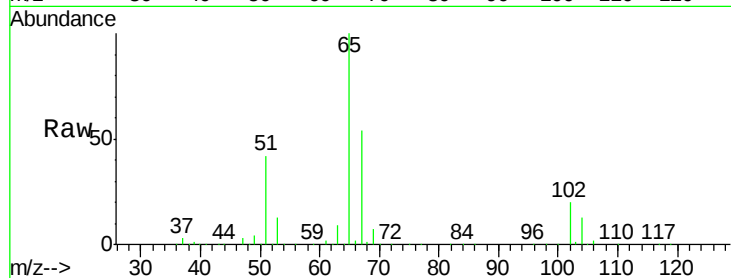




#33
 1,2-Dichloroethane-d4
 Concen: 151.570 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

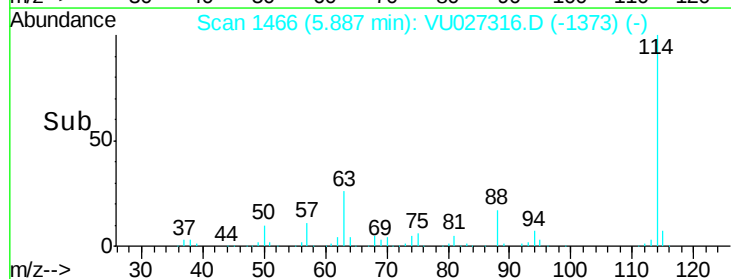
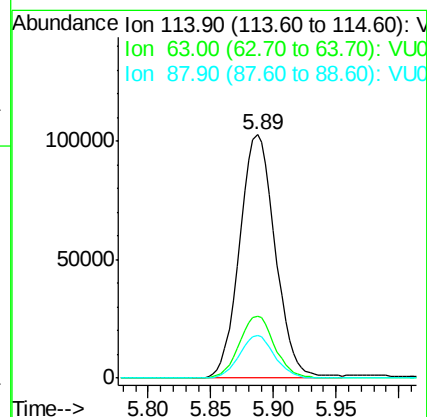
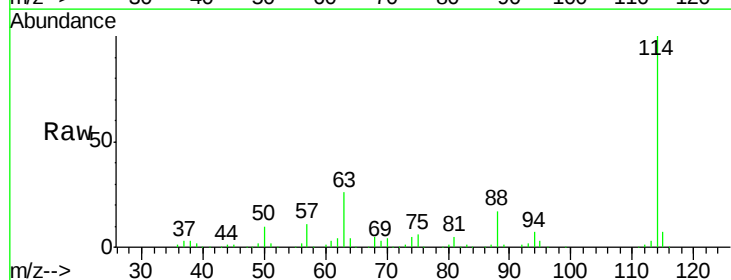
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

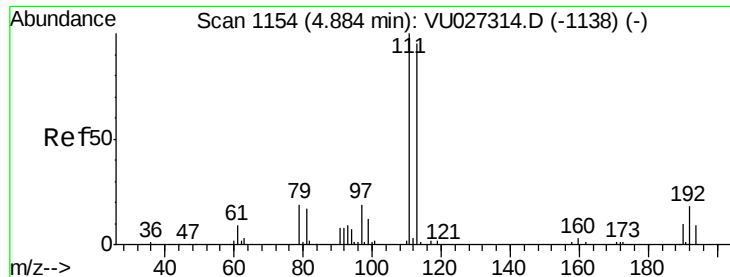
Tgt Ion: 65 Resp: 288378
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Tgt Ion: 114 Resp: 203073
 Ion Ratio Lower Upper
 114 100
 63 25.6 0.0 50.2
 88 17.5 0.0 33.8

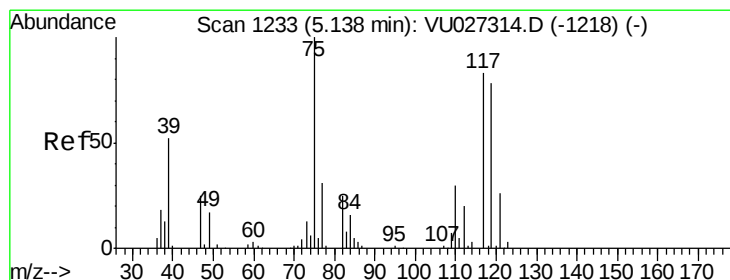
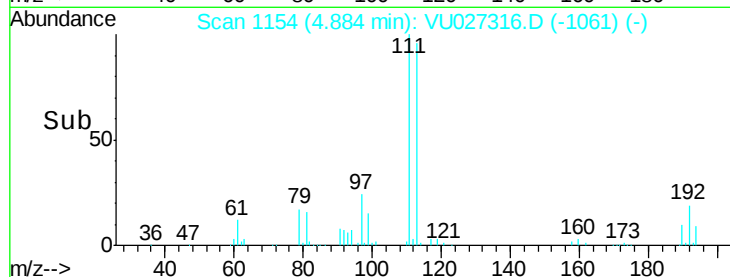
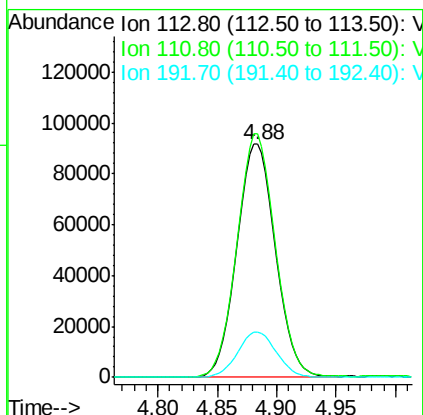
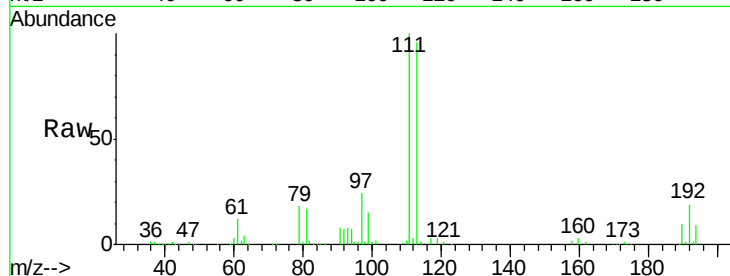




#35
 Dibromofluoromethane
 Concen: 154.914 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

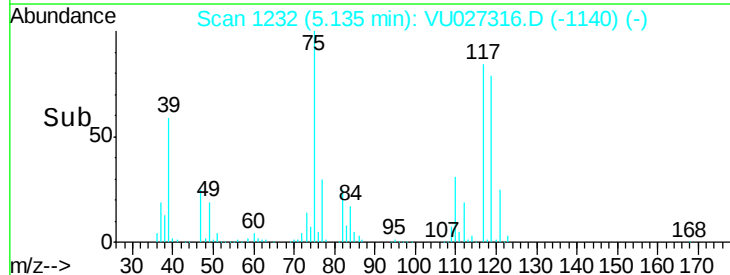
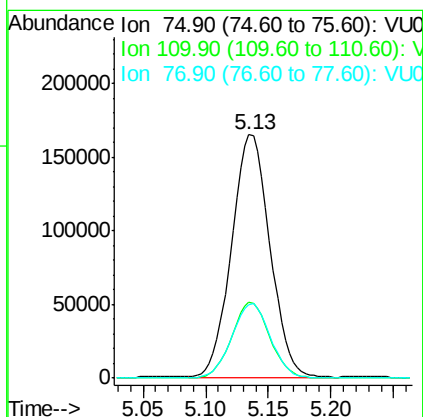
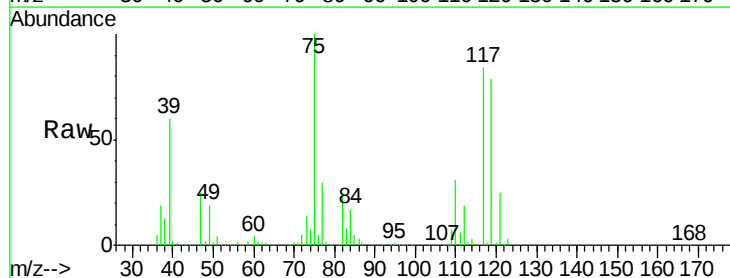
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

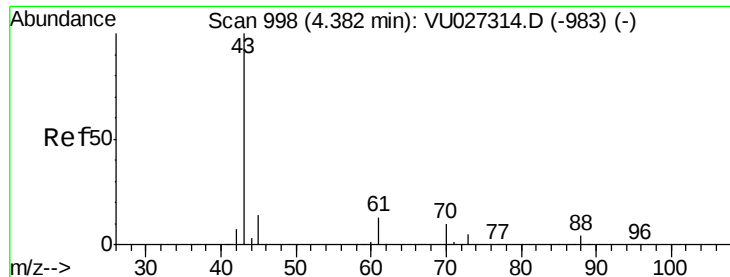
Tgt Ion:113 Resp: 206750
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.1 124.7
 192 19.5 15.4 23.0



#36
 1,1-Dichloropropene
 Concen: 158.215 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Tgt Ion: 75 Resp: 348851
 Ion Ratio Lower Upper
 75 100
 110 31.2 15.5 46.5
 77 30.5 25.4 38.0





#37

Ethyl Acetate

Concen: 165.695 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

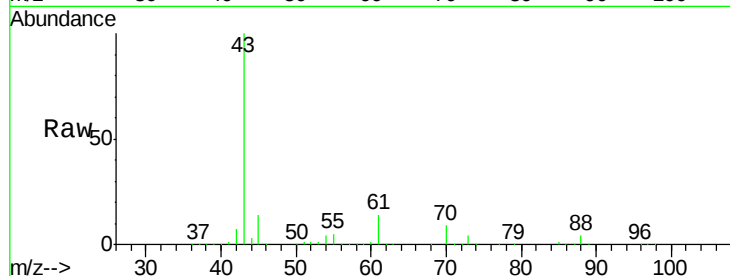
Tgt Ion: 43 Resp: 450503

Ion Ratio Lower Upper

43 100

61 13.5 10.7 16.1

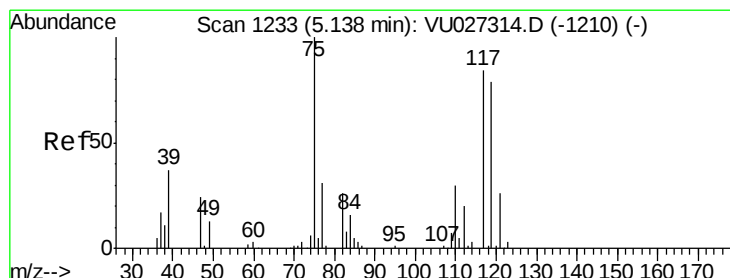
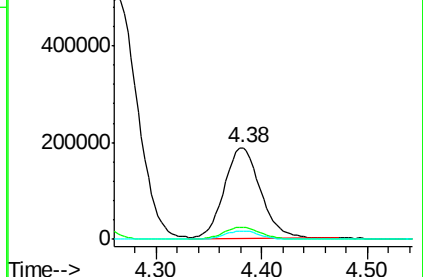
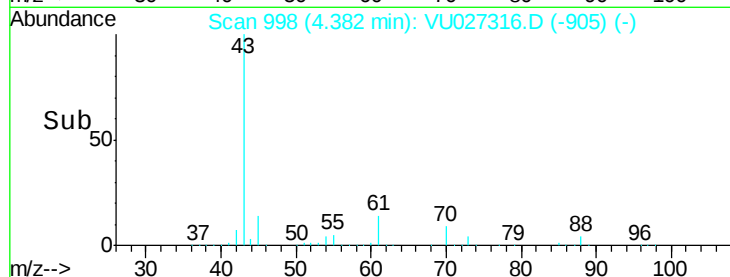
70 9.0 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VU027316.D (-905) (-)

Ion 60.90 (60.60 to 61.60): VU027316.D (-905) (-)

Ion 70.00 (69.70 to 70.70): VU027316.D (-905) (-)



#38

Carbon Tetrachloride

Concen: 158.993 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

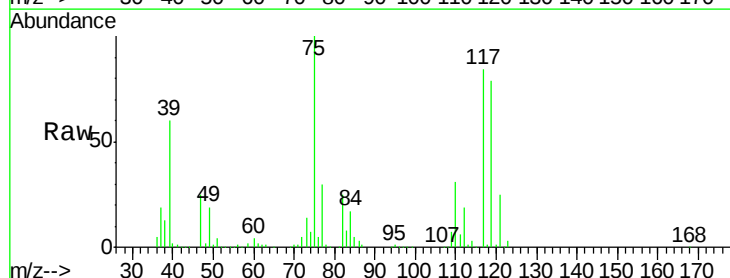
Tgt Ion: 117 Resp: 316671

Ion Ratio Lower Upper

117 100

119 94.5 74.5 111.7

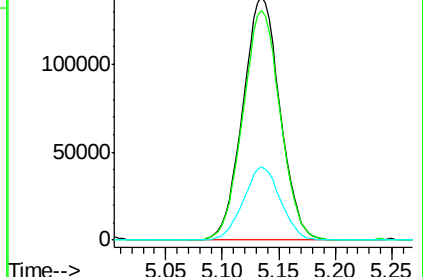
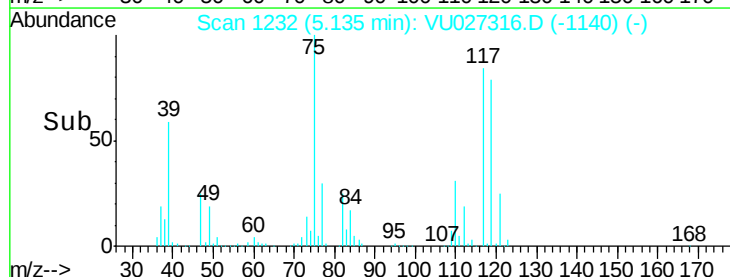
121 29.9 24.6 37.0

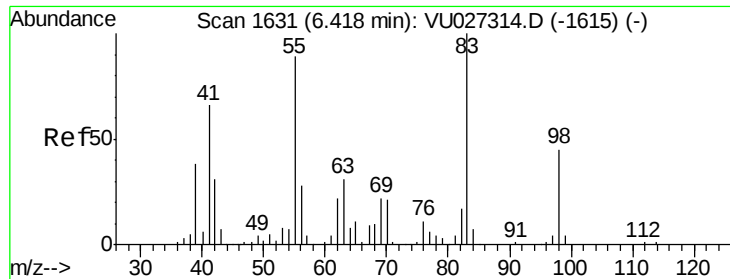


Abundance Ion 116.80 (116.50 to 117.50): VU027316.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU027316.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU027316.D (-1140) (-)

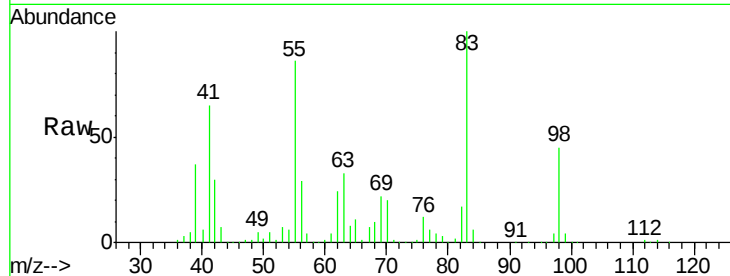




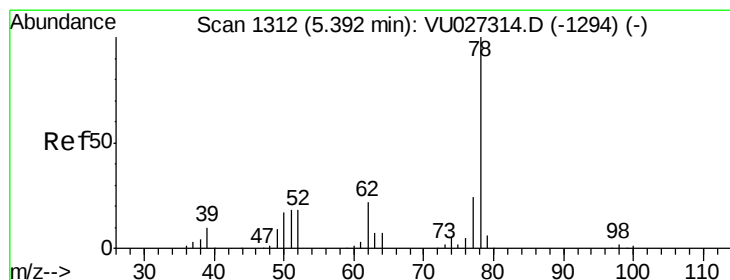
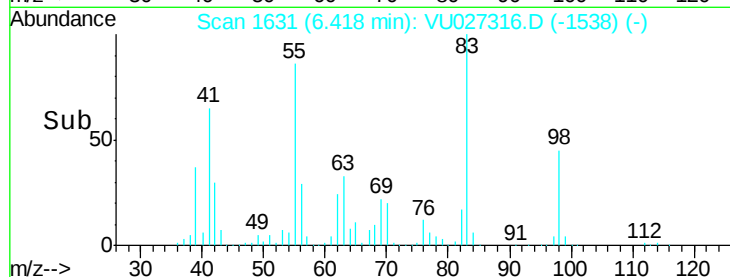
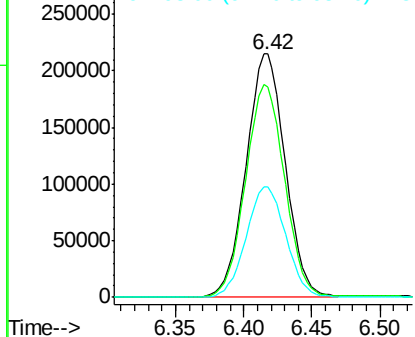
#39
Methylcyclohexane
Concen: 166.241 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 428477
Ion Ratio Lower Upper
83 100
55 86.4 71.1 106.7
98 45.4 36.3 54.5

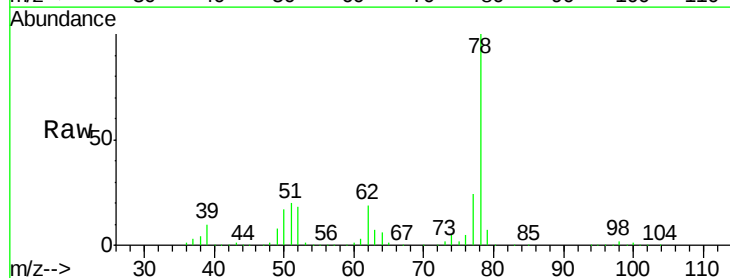


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

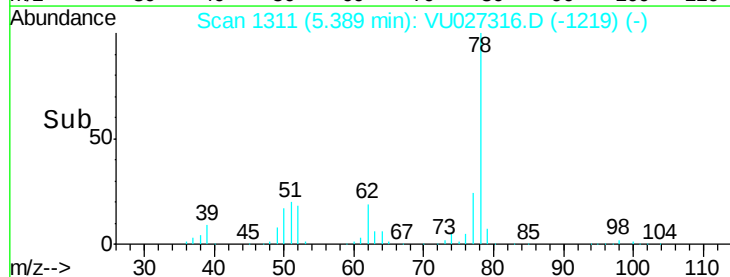
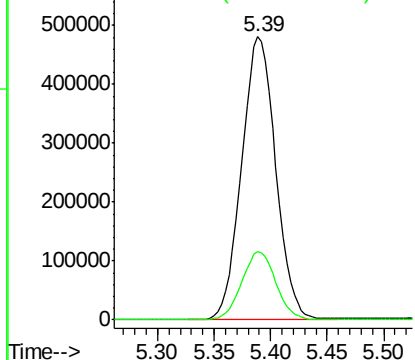


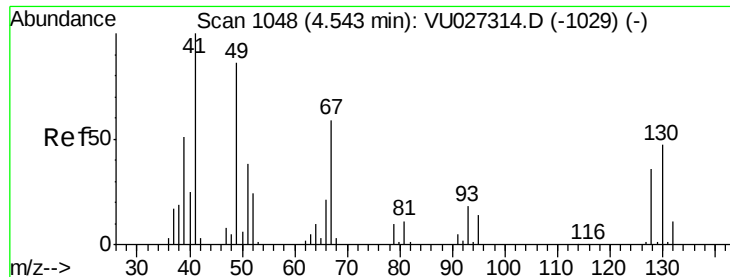
#40
Benzene
Concen: 157.355 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion: 78 Resp: 1010636
Ion Ratio Lower Upper
78 100
77 24.2 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

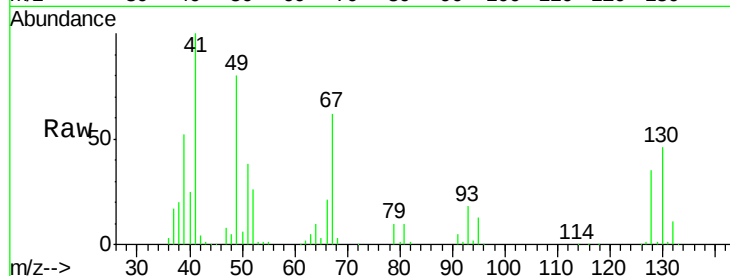




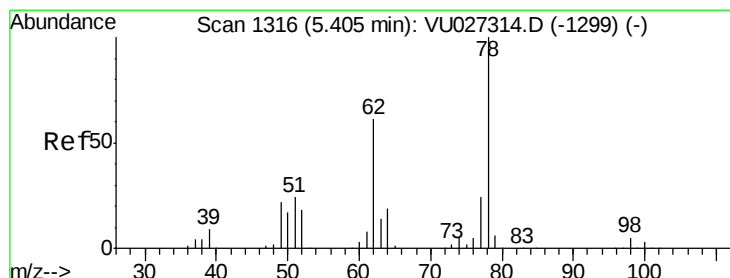
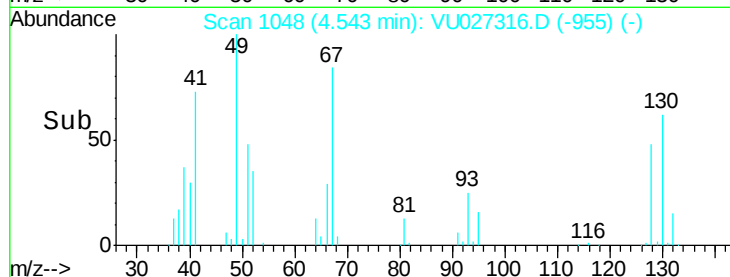
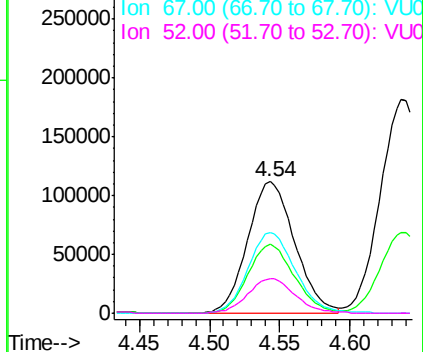
#41
Methacrylonitrile
Concen: 161.302 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion: 41 Resp: 259802
Ion Ratio Lower Upper
41 100
39 51.6 41.1 61.7
67 61.9 50.4 75.6
52 26.5 20.3 30.5

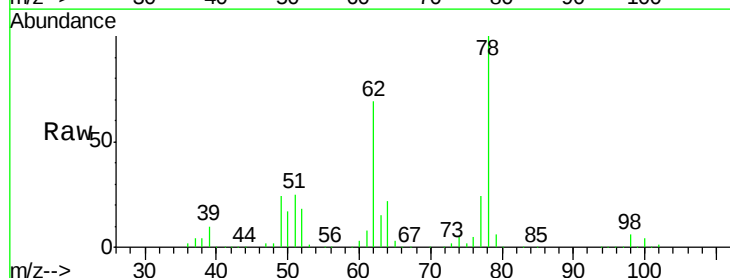


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

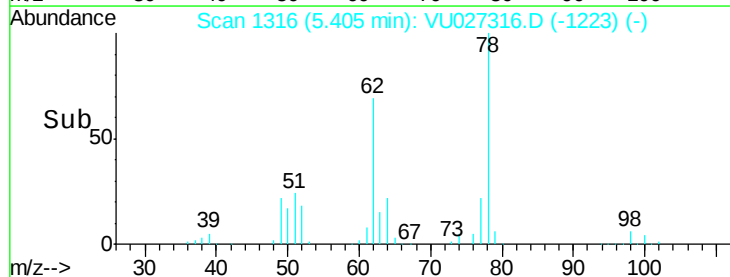
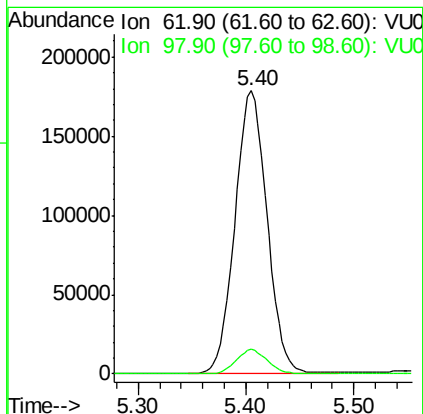


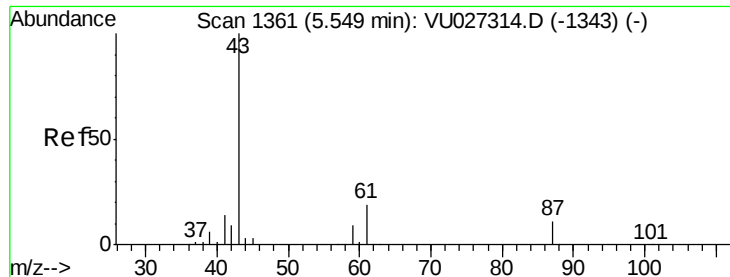
#42
1,2-Dichloroethane
Concen: 155.994 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion: 62 Resp: 371896
Ion Ratio Lower Upper
62 100
98 8.4 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 164.582 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

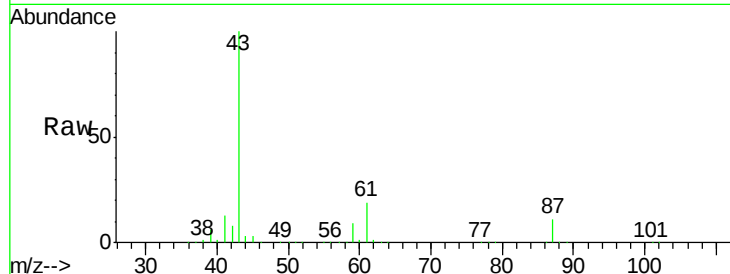
Tgt Ion: 43 Resp: 728404

Ion Ratio Lower Upper

43 100

61 19.1 15.3 22.9

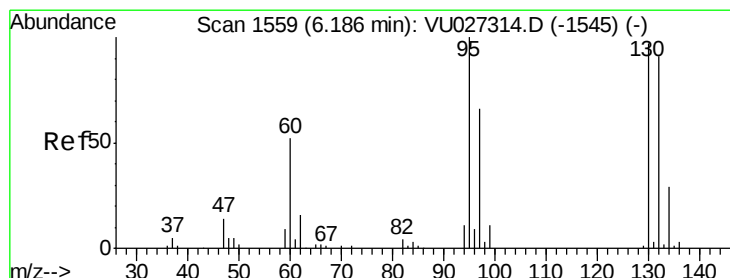
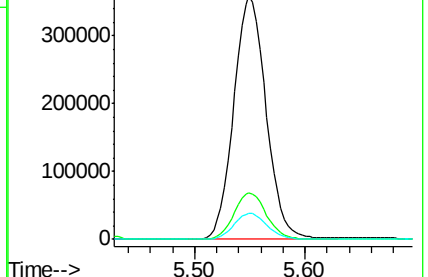
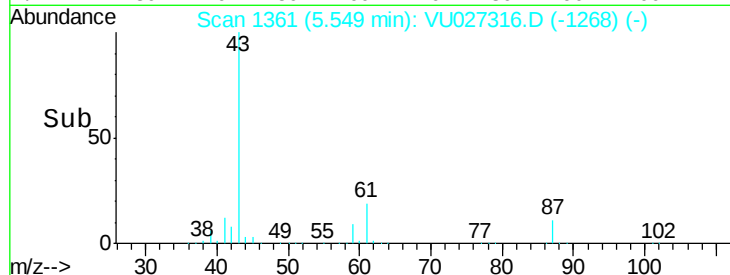
87 11.0 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VU027316.D (-1268) (-)

Ion 61.00 (60.70 to 61.70): VU027316.D (-1268) (-)

Ion 87.00 (86.70 to 87.70): VU027316.D (-1268) (-)



#44

Trichloroethene

Concen: 157.418 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU027316.D

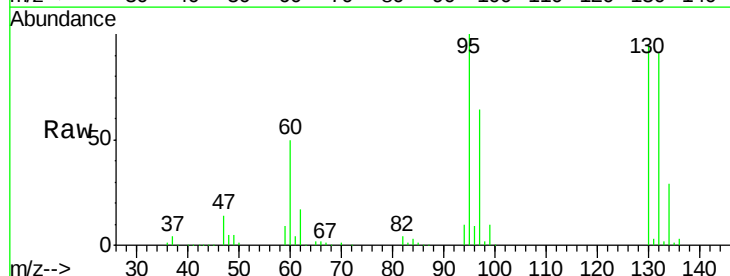
Acq: 01 Oct 2018 12:02

Tgt Ion: 130 Resp: 225444

Ion Ratio Lower Upper

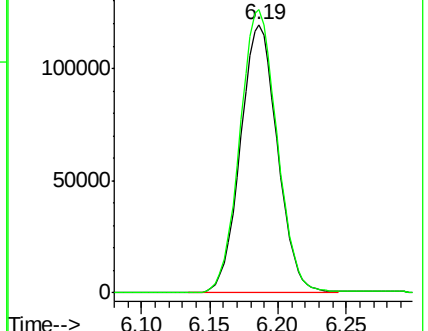
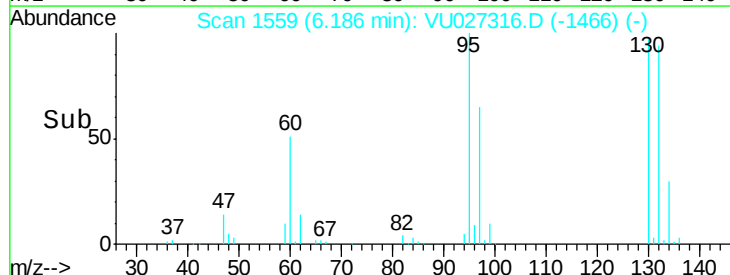
130 100

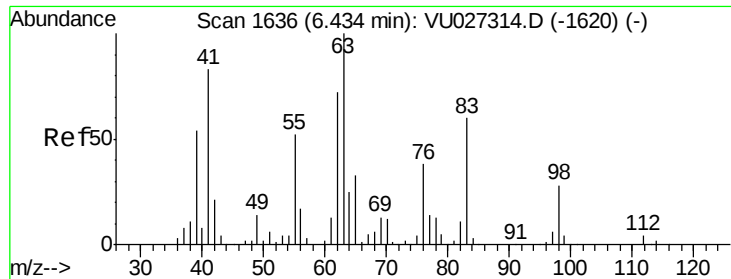
95 105.6 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VU027316.D (-1466) (-)

Ion 94.90 (94.60 to 95.60): VU027316.D (-1466) (-)





#45

1,2-Dichloropropane

Concen: 159.167 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

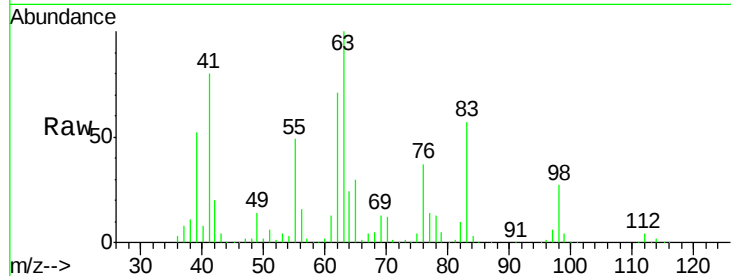
VSTDIC150

Tgt Ion: 63 Resp: 294857

Ion Ratio Lower Upper

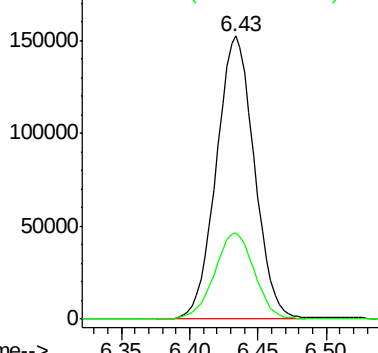
63 100

65 30.4 26.0 39.0

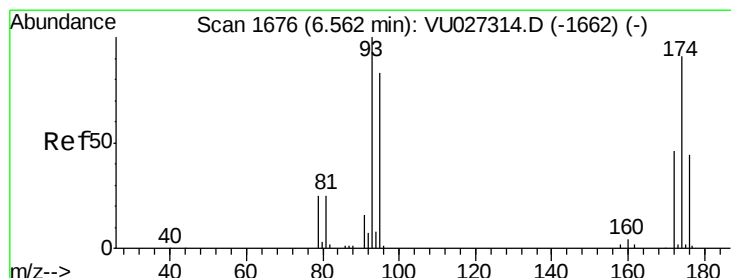
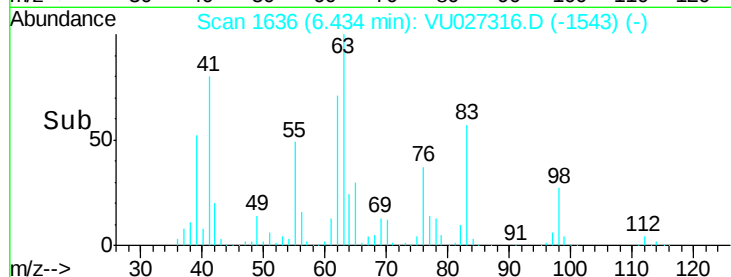


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



Time-->



#46

Dibromomethane

Concen: 161.989 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

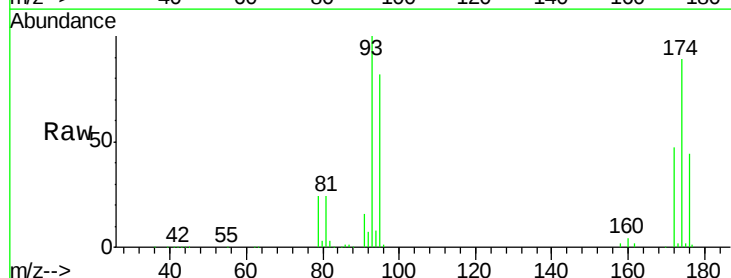
Tgt Ion: 93 Resp: 169484

Ion Ratio Lower Upper

93 100

95 83.2 66.5 99.7

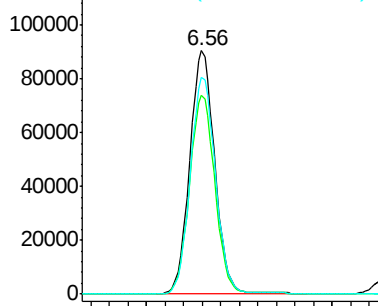
174 89.8 72.5 108.7



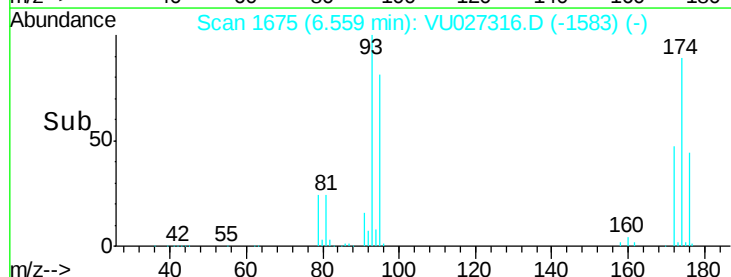
Abundance Ion 92.80 (92.50 to 93.50): VU0

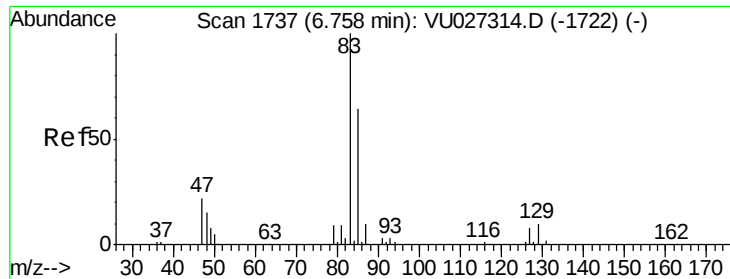
Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V



Time-->

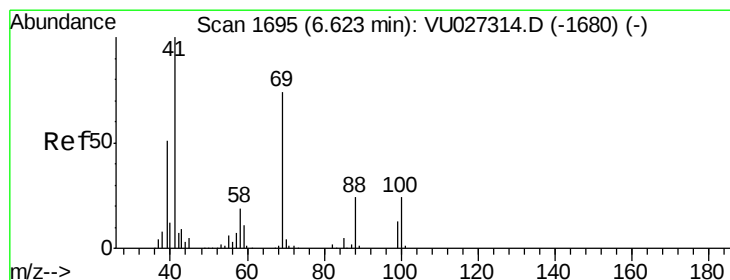
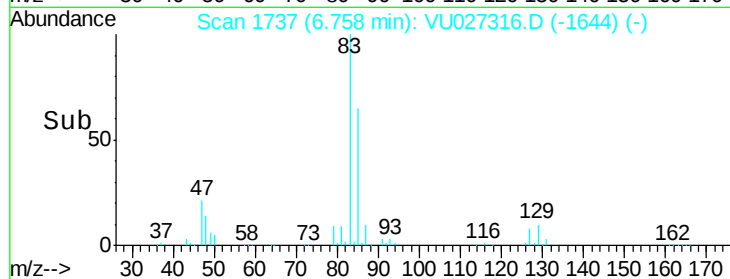
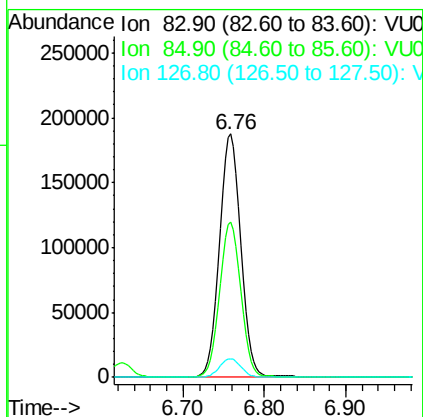
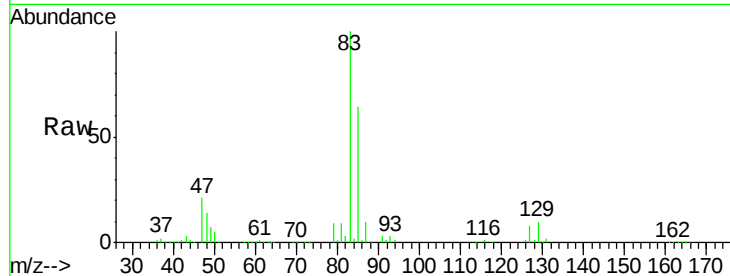




#47
Bromodichloromethane
Concen: 161.776 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

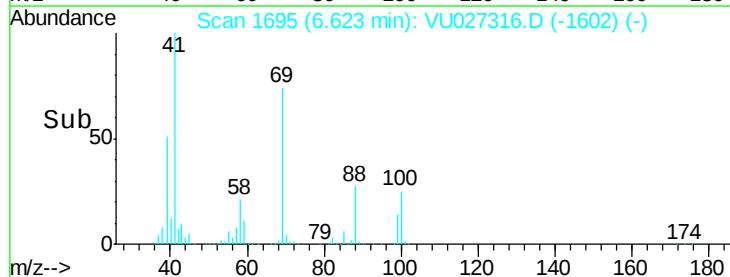
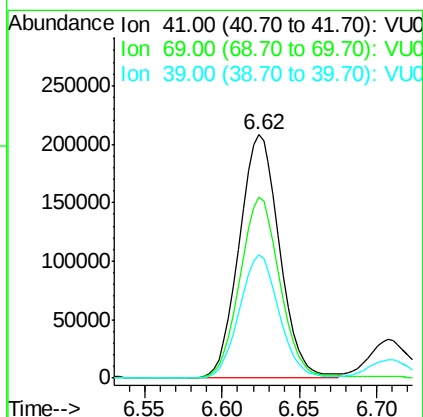
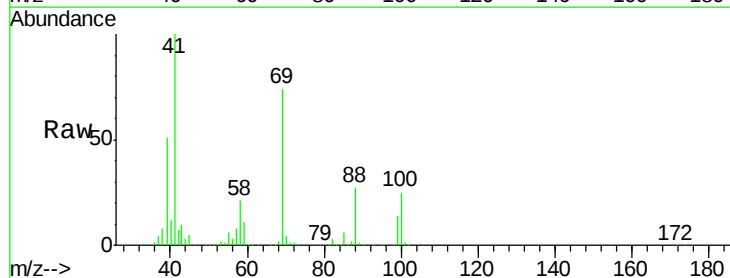
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

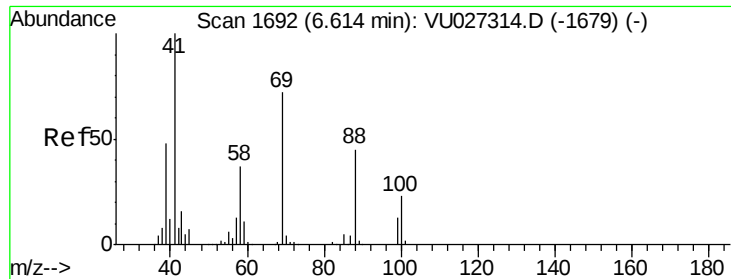
Tgt Ion: 83 Resp: 351217
Ion Ratio Lower Upper
83 100
85 63.5 51.4 77.0
127 7.8 6.3 9.5



#48
Methyl methacrylate
Concen: 171.026 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion: 41 Resp: 376410
Ion Ratio Lower Upper
41 100
69 75.0 61.0 91.4
39 49.7 39.9 59.9

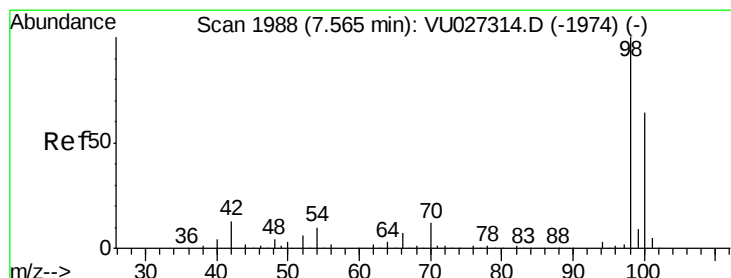
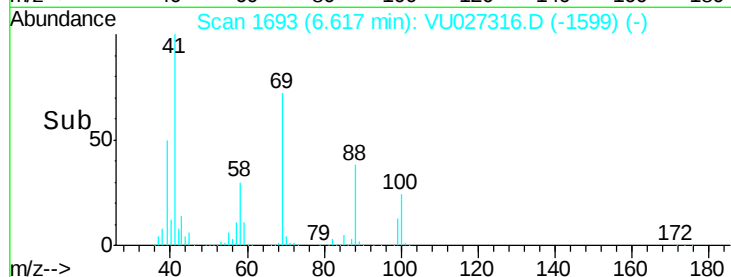
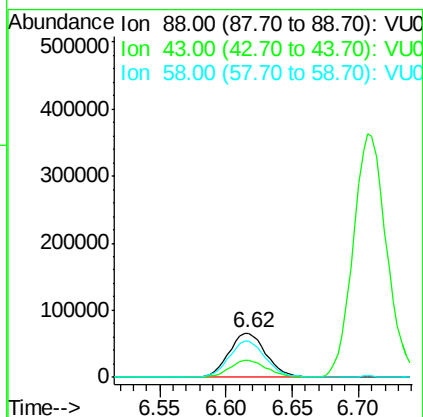
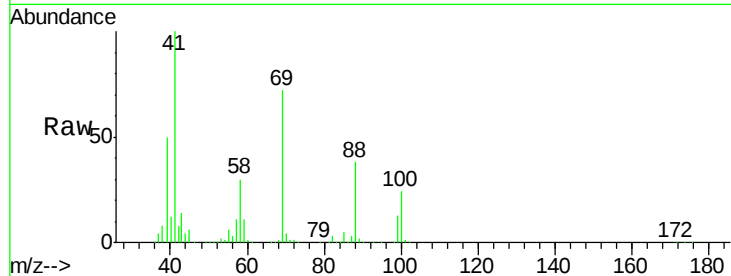




#49
1,4-Dioxane
Concen: 3356.745 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

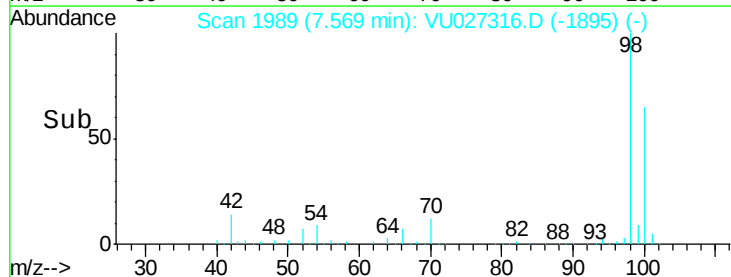
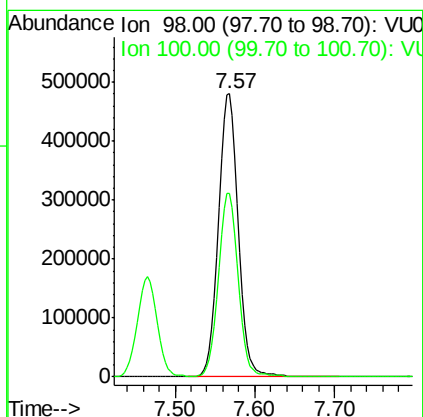
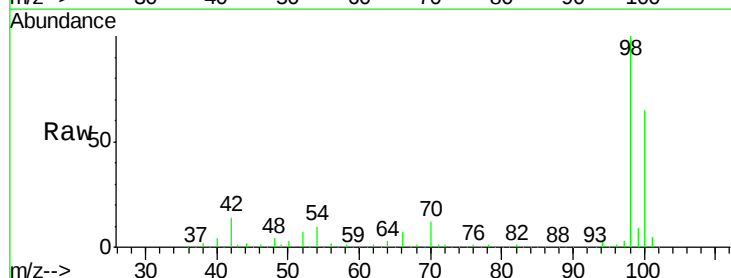
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

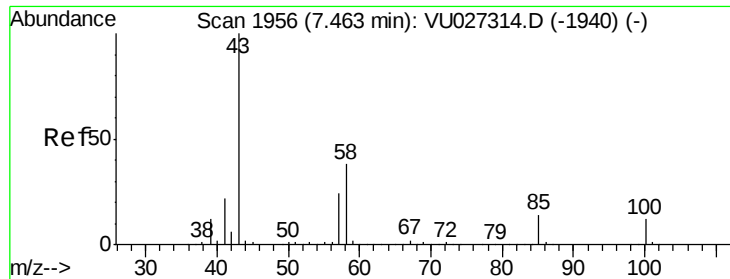
Tgt Ion: 88 Resp: 127113
Ion Ratio Lower Upper
88 100
43 38.4 30.8 46.2
58 82.3 67.0 100.6



#50
Toluene-d8
Concen: 159.035 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion: 98 Resp: 828294
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1

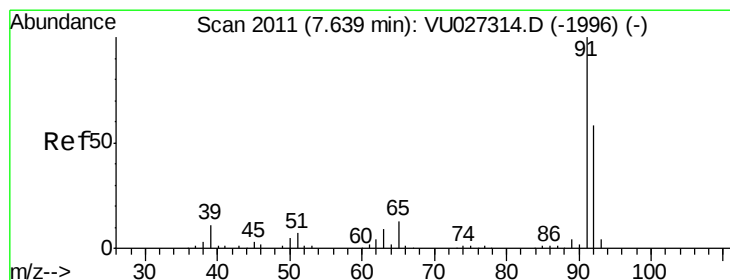
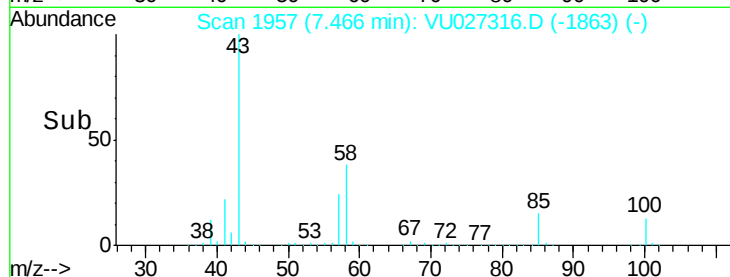
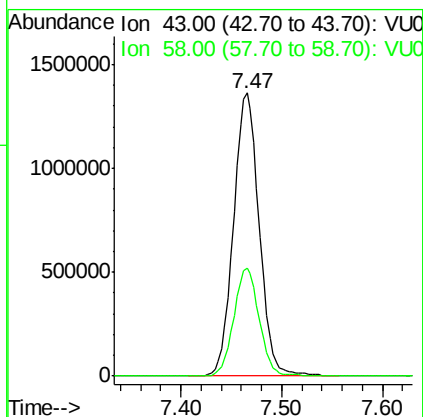
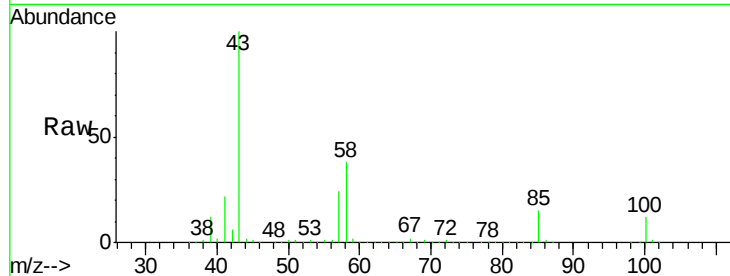




#51
4-Methyl-2-Pentanone
Concen: 837.479 ug/l
RT: 7.47 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

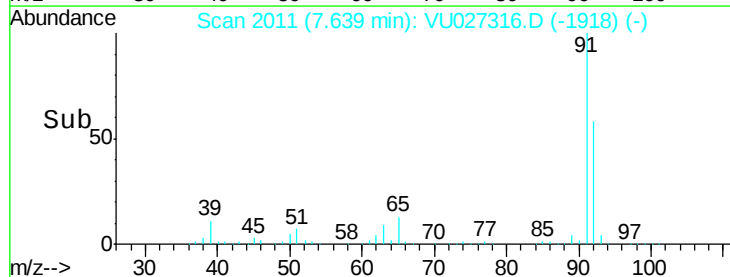
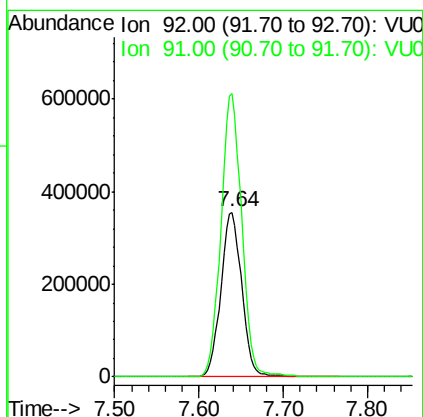
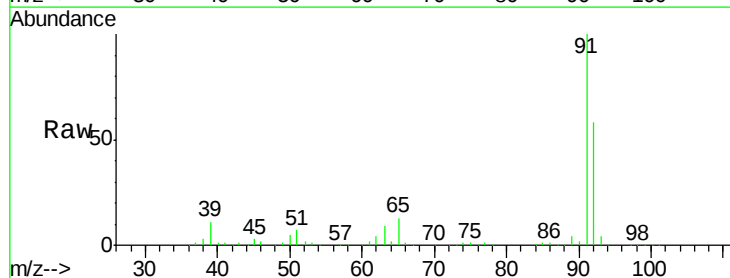
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

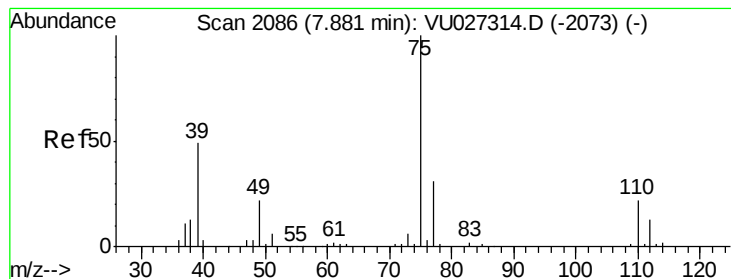
Tgt Ion: 43 Resp: 2408527
Ion Ratio Lower Upper
43 100
58 37.8 29.8 44.8



#52
Toluene
Concen: 161.084 ug/l
RT: 7.64 min Scan# 2011
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion: 92 Resp: 612363
Ion Ratio Lower Upper
92 100
91 171.1 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 171.748 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

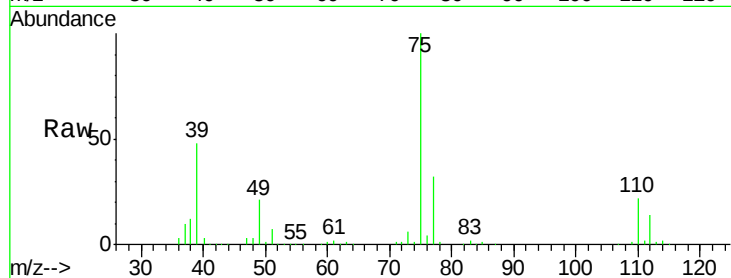
VSTDIC150

Tgt Ion: 75 Resp: 437176

Ion Ratio Lower Upper

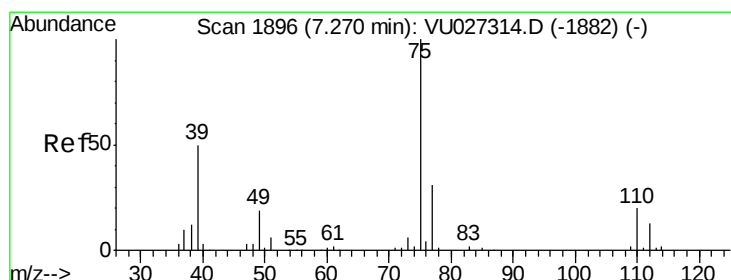
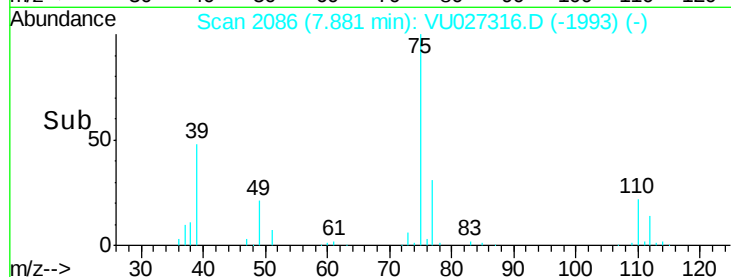
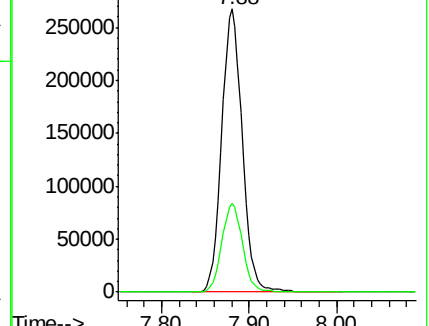
75 100

77 31.5 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 166.138 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

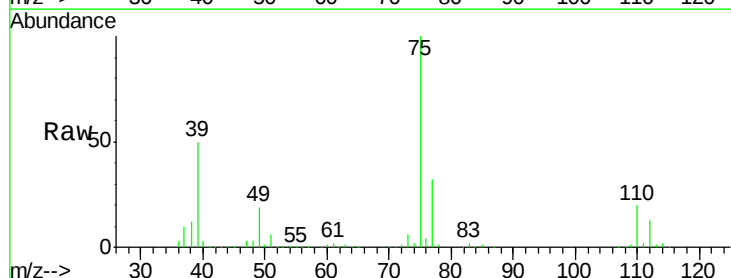
Tgt Ion: 75 Resp: 454624

Ion Ratio Lower Upper

75 100

77 31.7 24.5 36.7

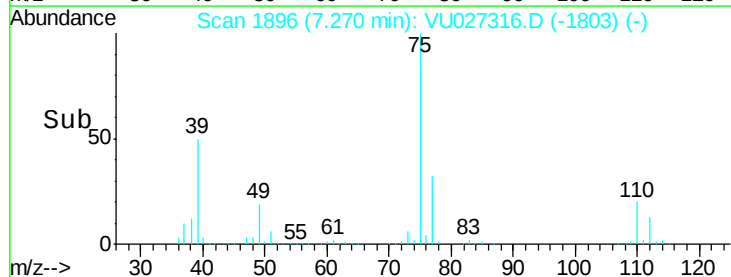
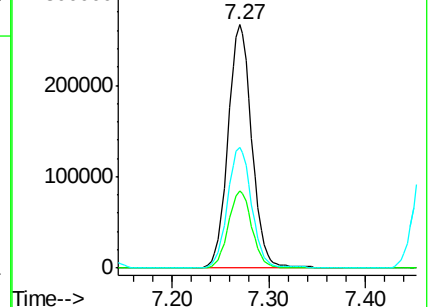
39 49.8 40.1 60.1

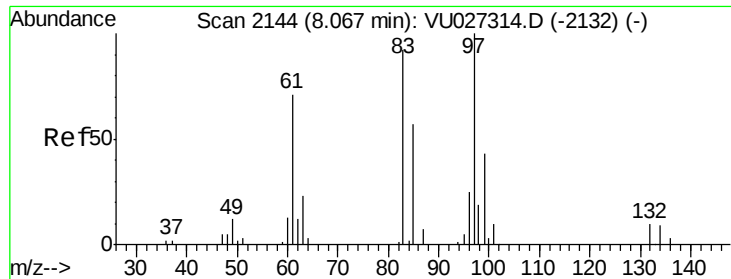


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

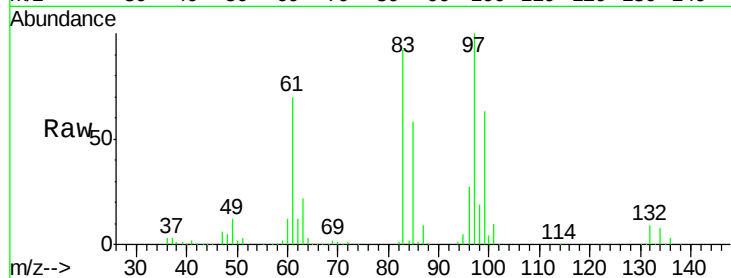




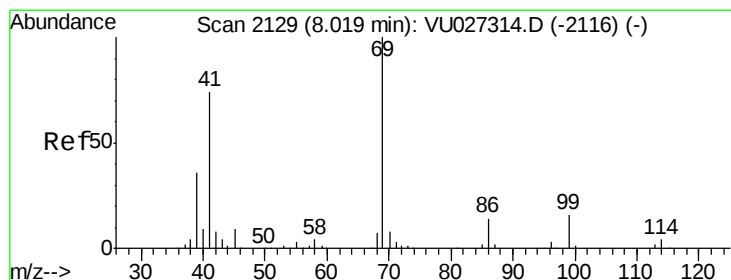
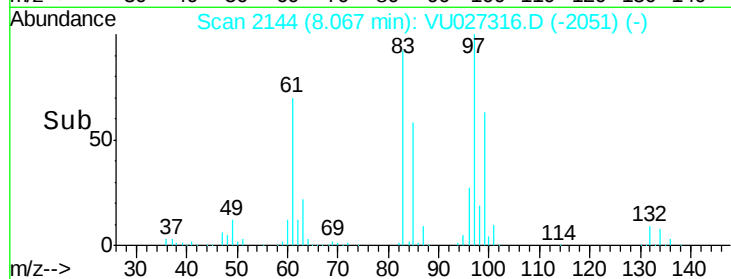
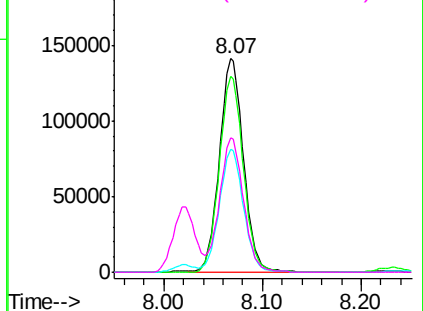
#55
 1,1,2-Trichloroethane
 Concen: 160.507 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tgt Ion: 97 Resp: 241923
 Ion Ratio Lower Upper
 97 100
 83 91.7 73.0 109.6
 85 57.7 47.3 70.9
 99 62.7 49.7 74.5

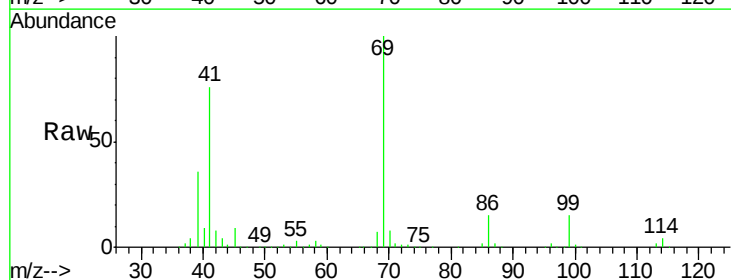


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

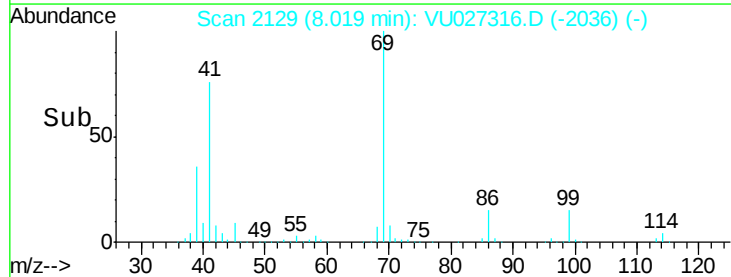
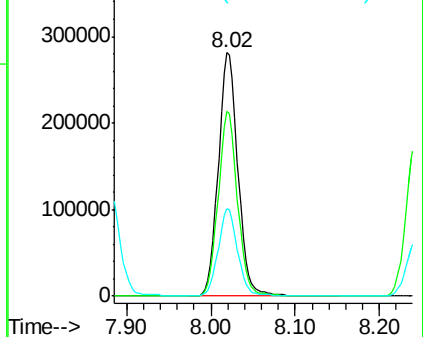


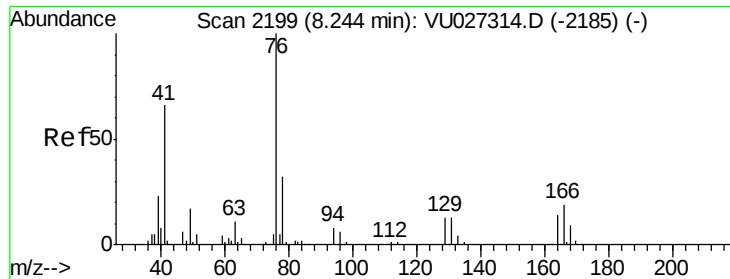
#56
 Ethyl methacrylate
 Concen: 181.287 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Tgt Ion: 69 Resp: 453478
 Ion Ratio Lower Upper
 69 100
 41 75.0 60.0 90.0
 39 35.6 29.5 44.3



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

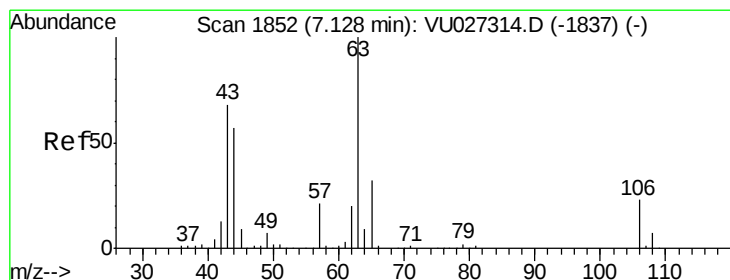
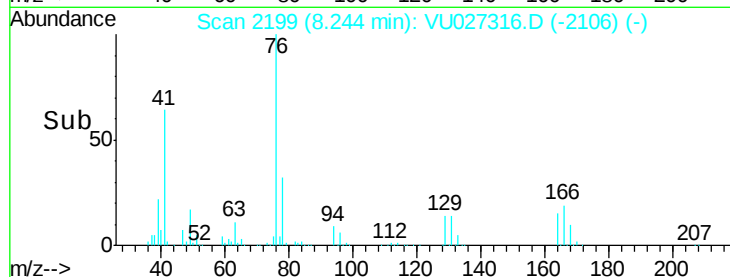
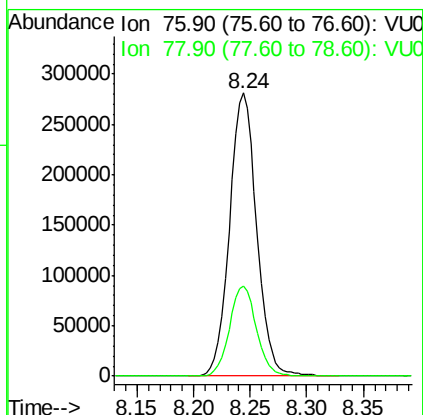
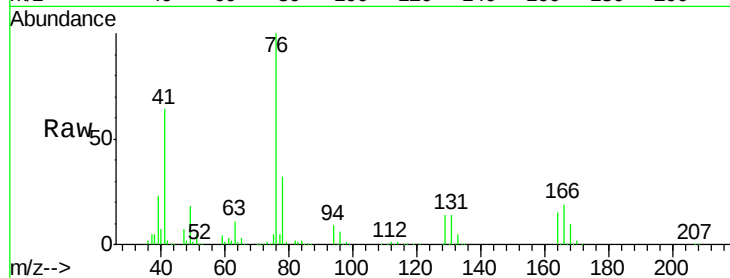




#57
 1,3-Dichloropropane
 Concen: 159.930 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

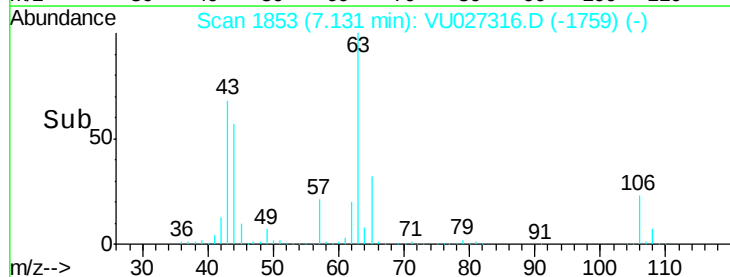
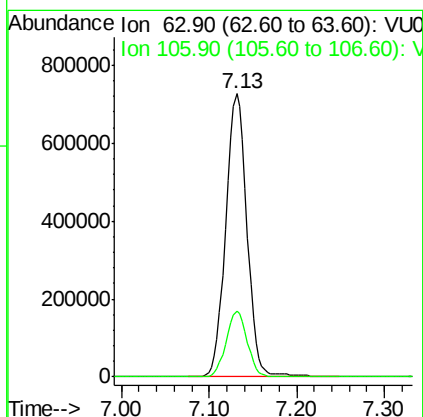
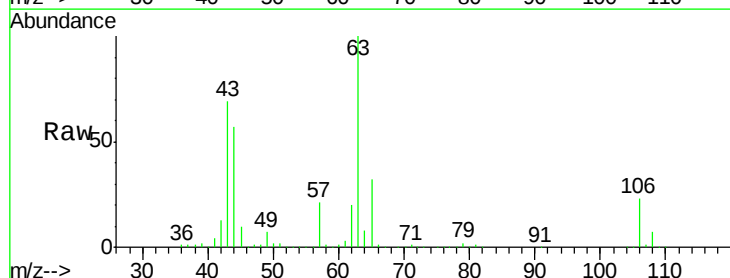
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

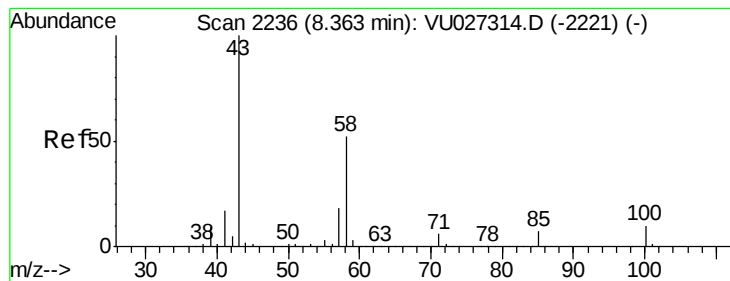
Tgt Ion: 76 Resp: 467950
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 878.228 ug/l
 RT: 7.13 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Tgt Ion: 63 Resp: 1227222
 Ion Ratio Lower Upper
 63 100
 106 23.3 18.5 27.7





#59

2-Hexanone

Concen: 846.473 ug/l

RT: 8.37 min Scan# 2237

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

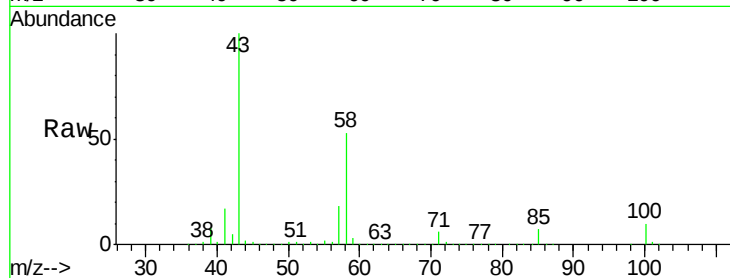
VSTDIC150

Tgt Ion: 43 Resp: 1888417

Ion Ratio Lower Upper

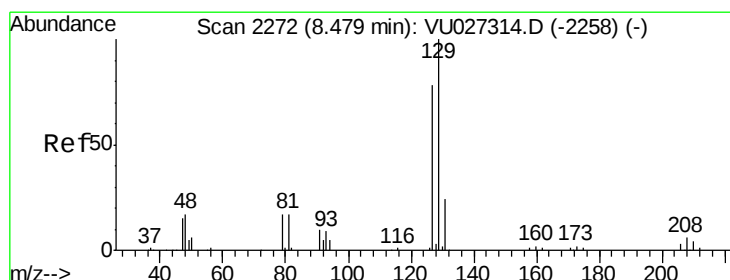
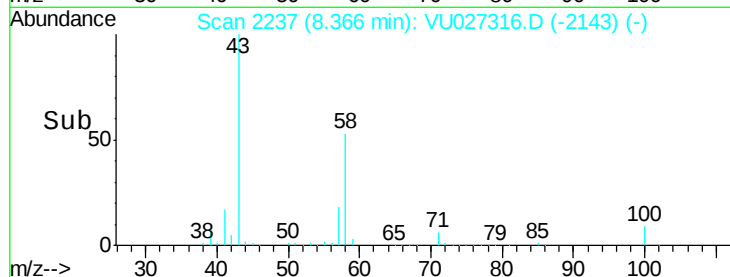
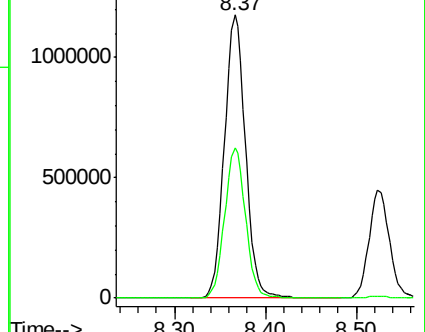
43 100

58 53.0 26.1 78.3



Abundance Ion 43.00 (42.70 to 43.70): VU027316.D (-2143) (-)

Ion 58.00 (57.70 to 58.70): VU027316.D (-2143) (-)



#60

Dibromochloromethane

Concen: 169.081 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VU027316.D

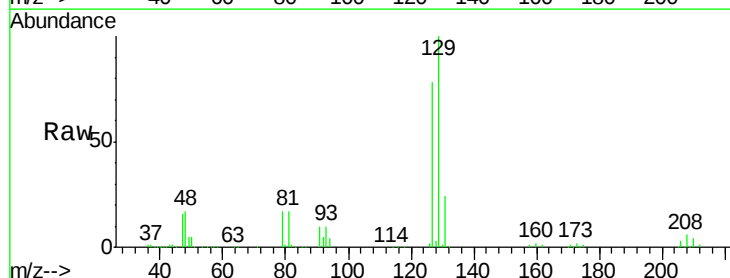
Acq: 01 Oct 2018 12:02

Tgt Ion: 129 Resp: 255598

Ion Ratio Lower Upper

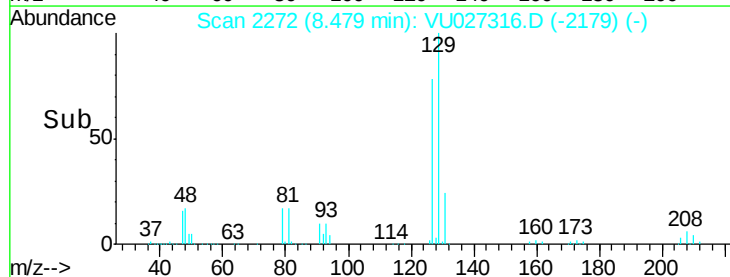
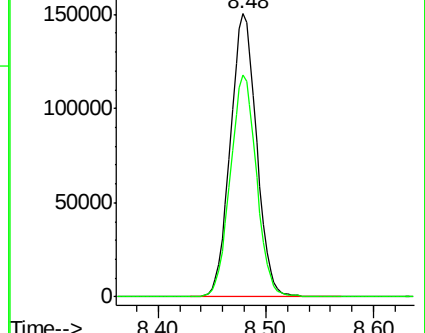
129 100

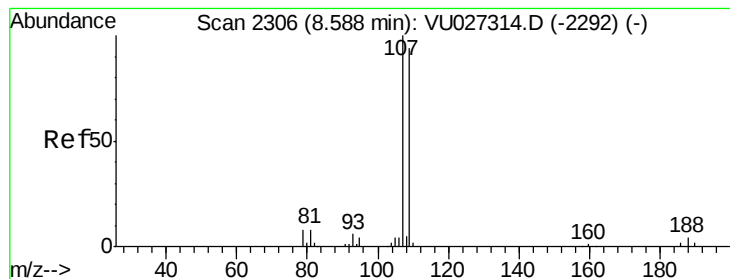
127 78.0 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): VU027316.D (-2179) (-)

Ion 126.80 (126.50 to 127.50): VU027316.D (-2179) (-)





#61

1,2-Dibromoethane

Concen: 161.710 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

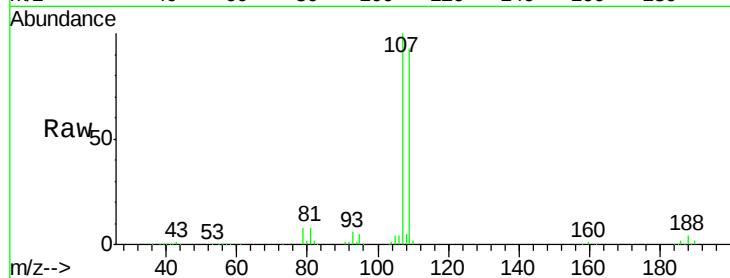
VSTDIC150

Tgt Ion: 107 Resp: 259147

Ion Ratio Lower Upper

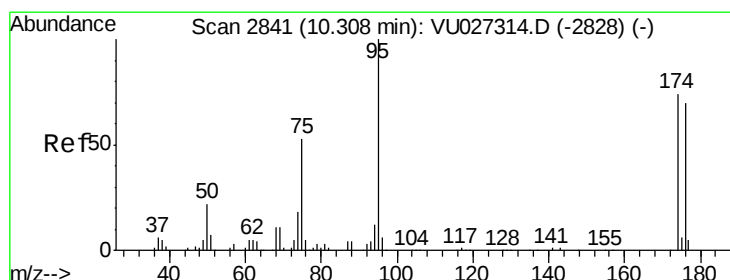
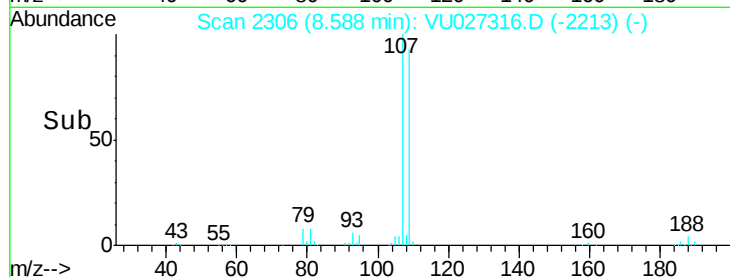
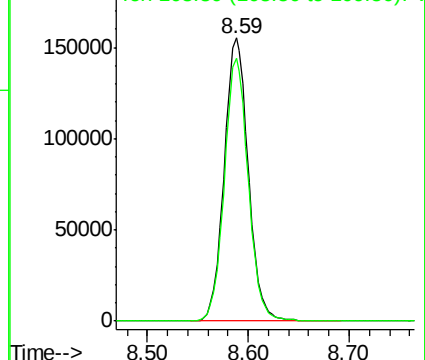
107 100

109 92.5 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 167.327 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

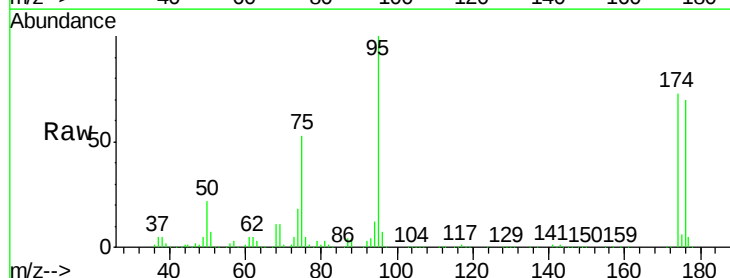
Tgt Ion: 95 Resp: 318782

Ion Ratio Lower Upper

95 100

174 74.1 0.0 147.8

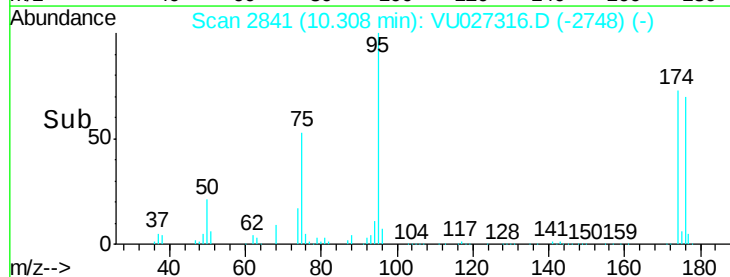
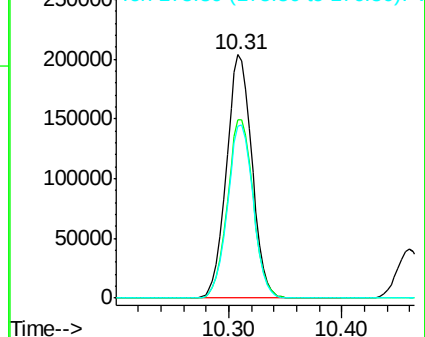
176 71.7 0.0 140.8

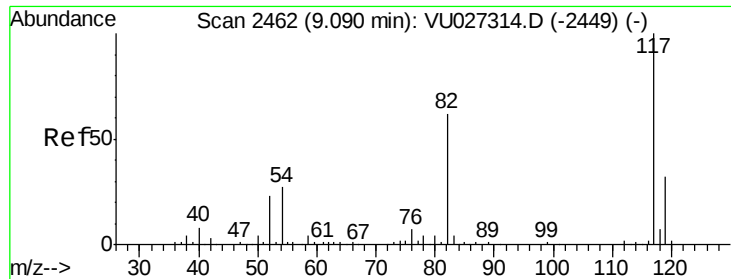


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

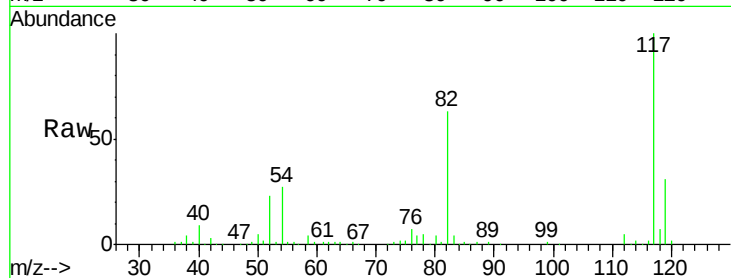




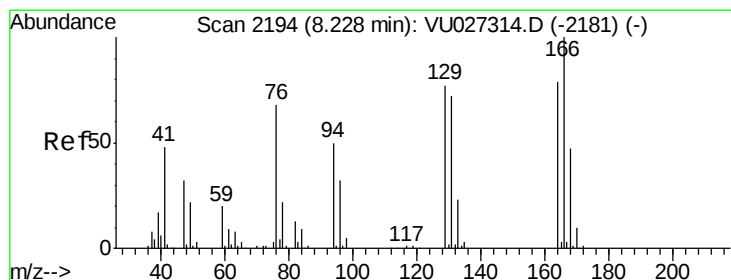
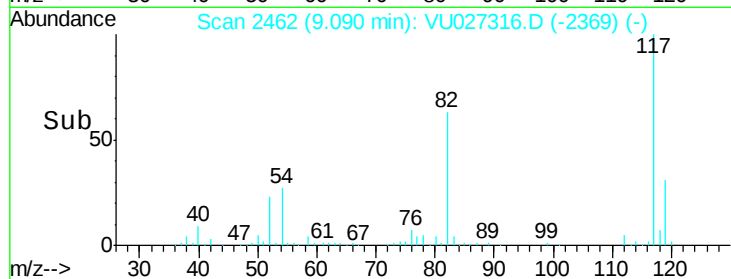
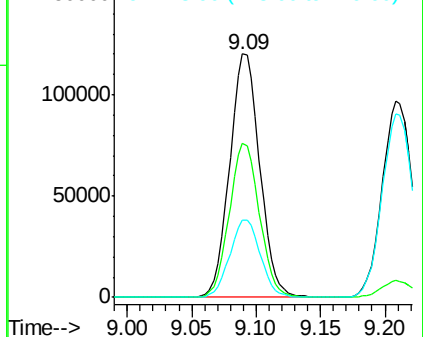
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion:117 Resp: 194604
Ion Ratio Lower Upper
117 100
82 63.1 49.2 73.8
119 31.5 25.7 38.5



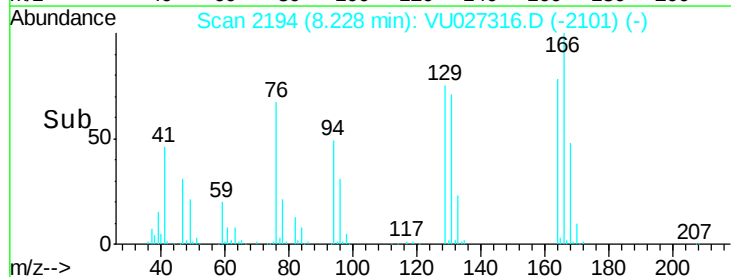
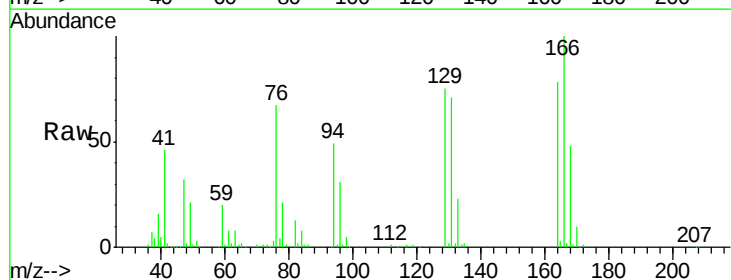
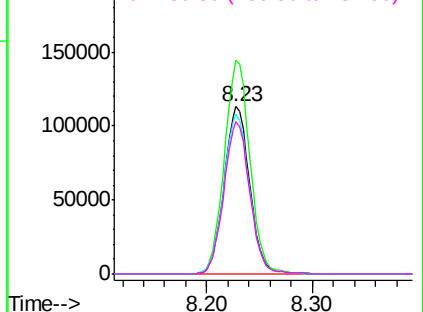
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

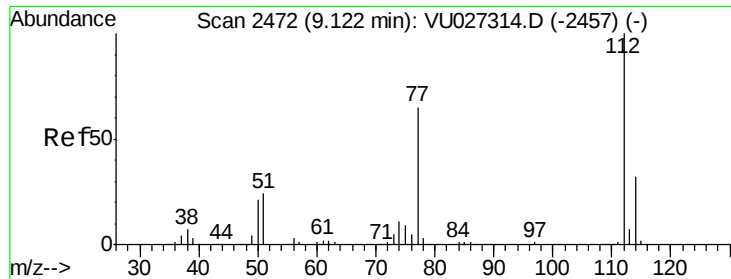


#64
Tetrachloroethene
Concen: 156.435 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion:164 Resp: 189512
Ion Ratio Lower Upper
164 100
166 127.8 101.0 151.6
129 95.5 78.0 117.0
131 91.0 72.6 109.0

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

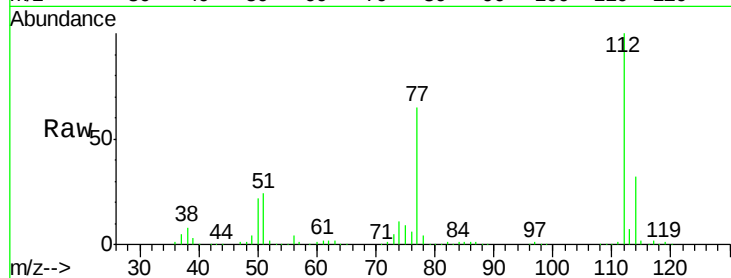




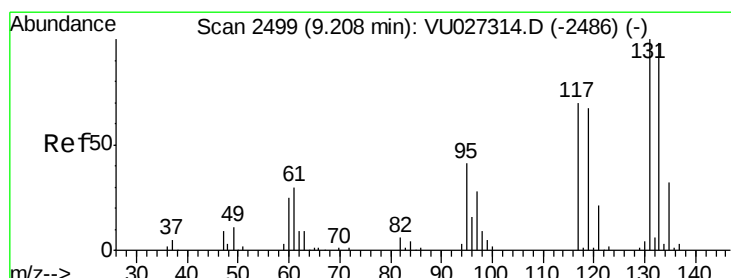
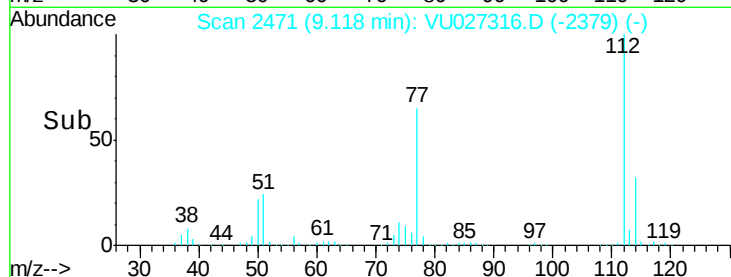
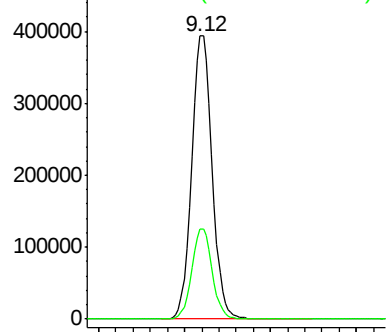
#65
Chlorobenzene
Concen: 158.439 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion:112 Resp: 649007
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6

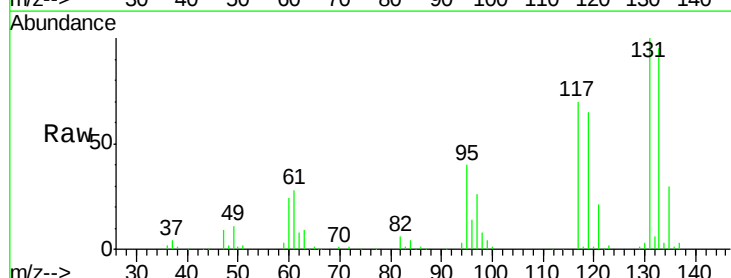


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

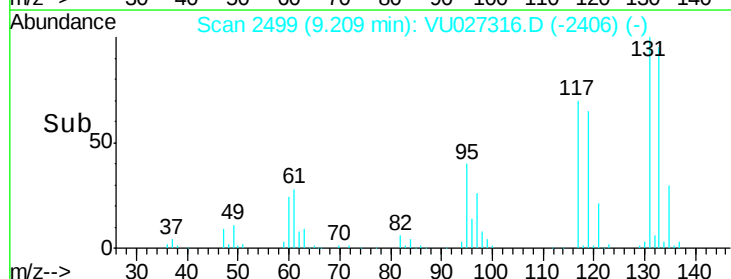
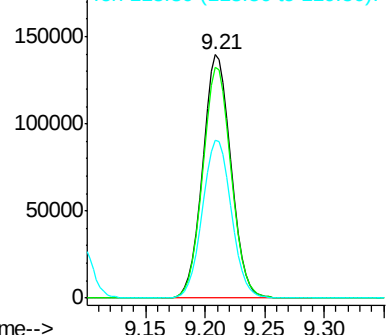


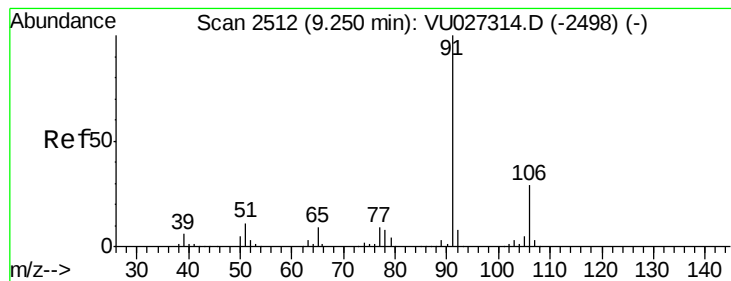
#66
1,1,1,2-Tetrachloroethane
Concen: 162.426 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion:131 Resp: 229686
Ion Ratio Lower Upper
131 100
133 95.6 48.5 145.6
119 66.7 33.5 100.4



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 165.803 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

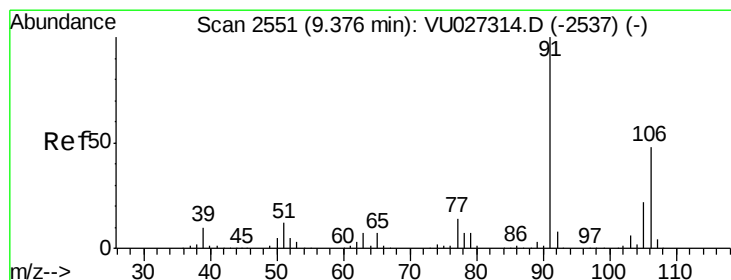
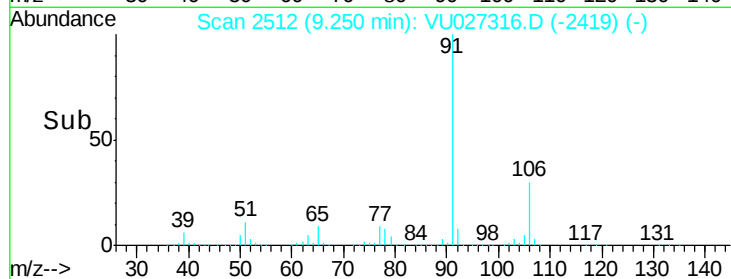
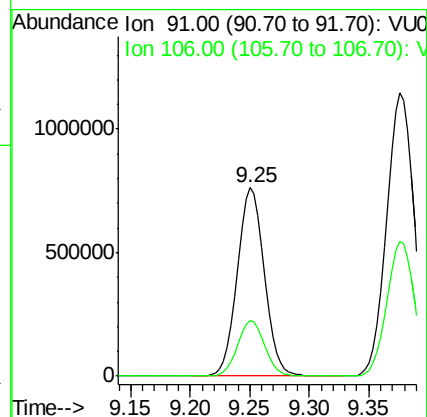
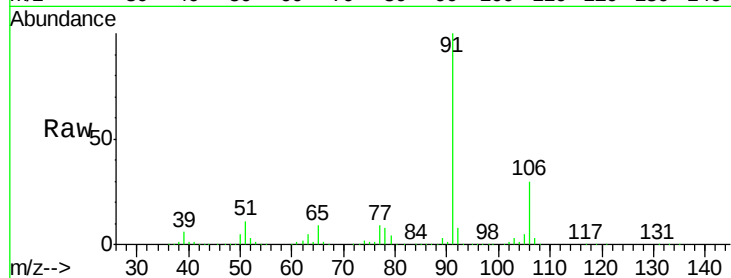
VSTDIC150

Tgt Ion: 91 Resp: 1203303

Ion Ratio Lower Upper

91 100

106 29.6 23.6 35.4



#68

m/p-Xylenes

Concen: 335.447 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027316.D

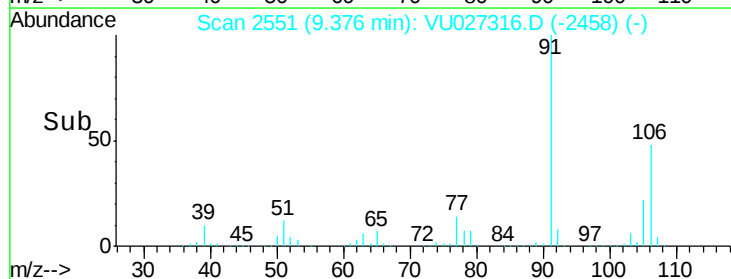
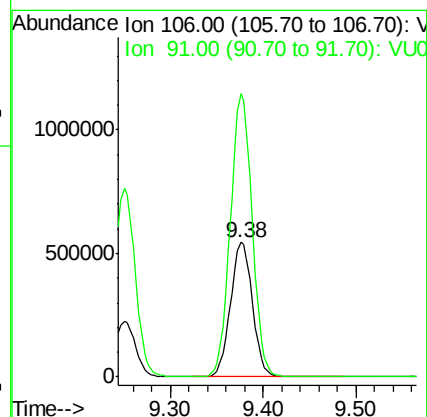
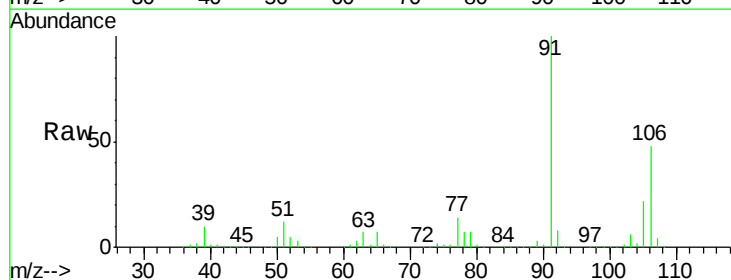
Acq: 01 Oct 2018 12:02

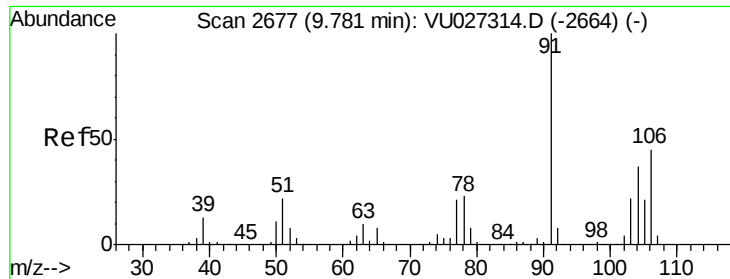
Tgt Ion: 106 Resp: 890499

Ion Ratio Lower Upper

106 100

91 209.5 168.1 252.1

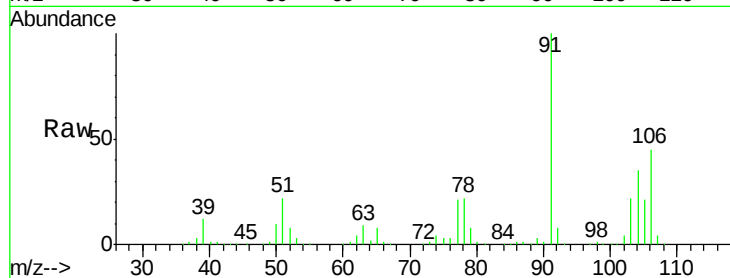




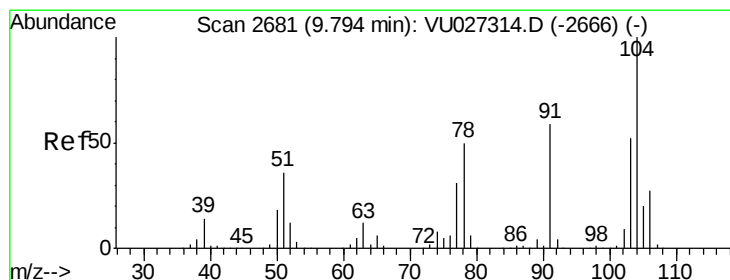
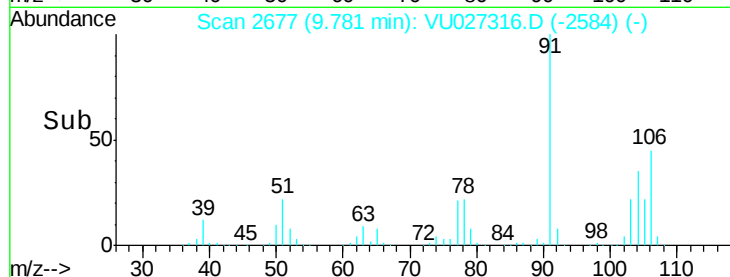
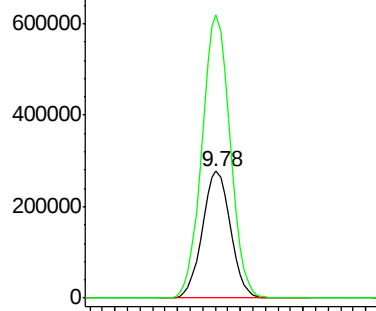
#69
o-Xylene
Concen: 171.566 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 432809
Ion Ratio Lower Upper
106 100
91 222.8 111.7 334.9

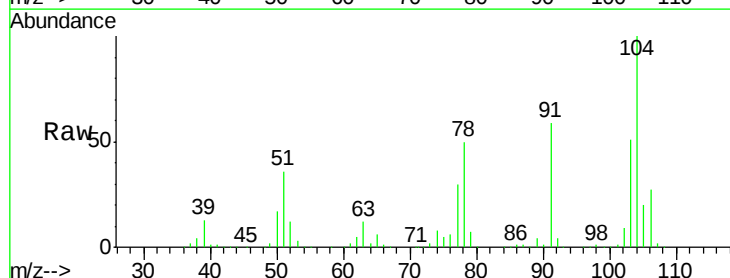


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

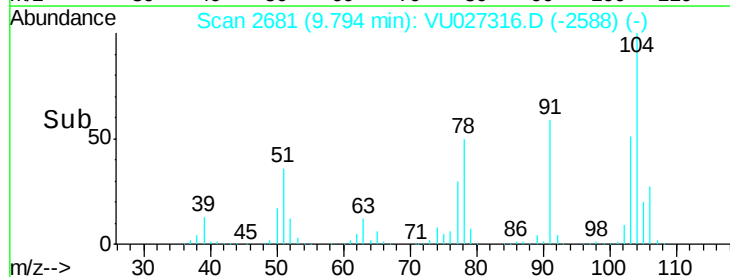
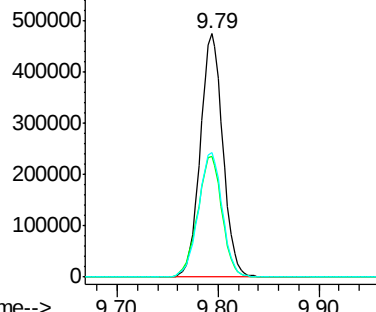


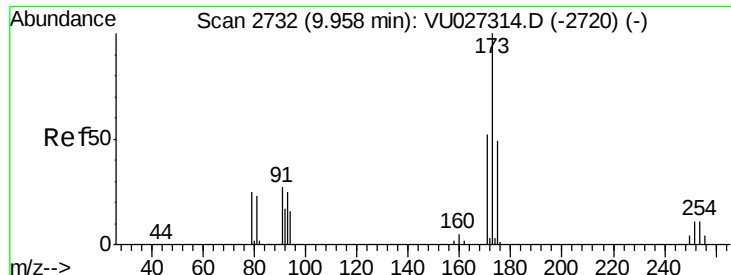
#70
Styrene
Concen: 178.971 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion:104 Resp: 741414
Ion Ratio Lower Upper
104 100
78 53.6 42.9 64.3
103 54.6 43.9 65.9



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





#71

Bromoform

Concen: 173.748 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

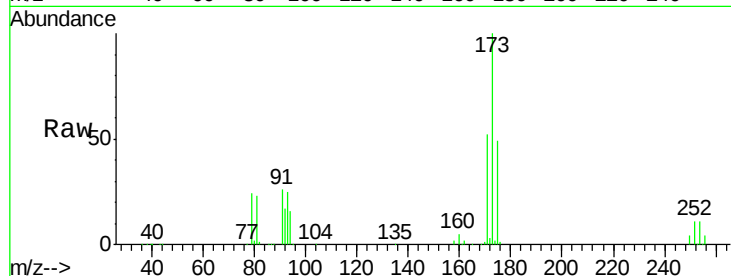
Tgt Ion:173 Resp: 197678

Ion Ratio Lower Upper

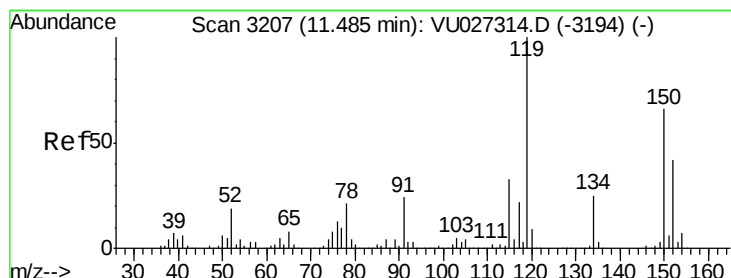
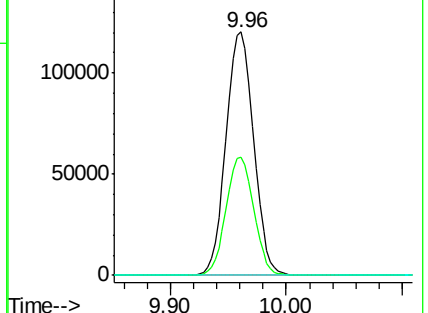
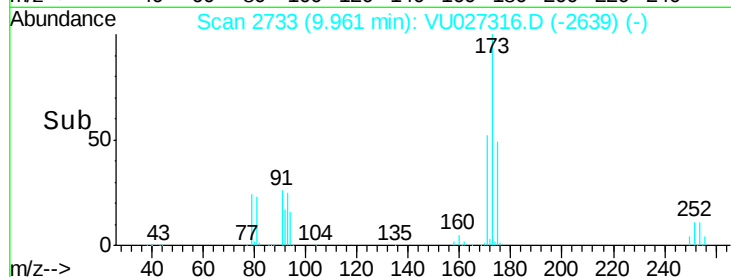
173 100

175 48.6 24.3 73.0

254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

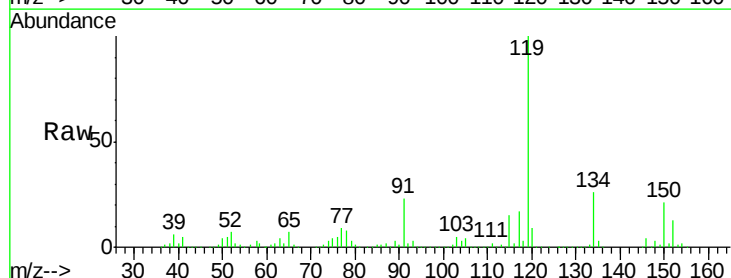
Tgt Ion:152 Resp: 104095

Ion Ratio Lower Upper

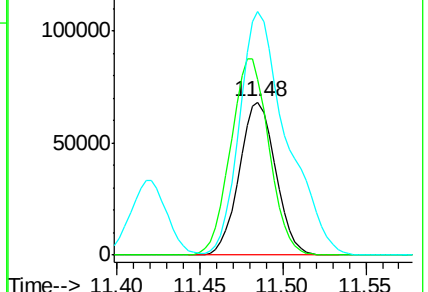
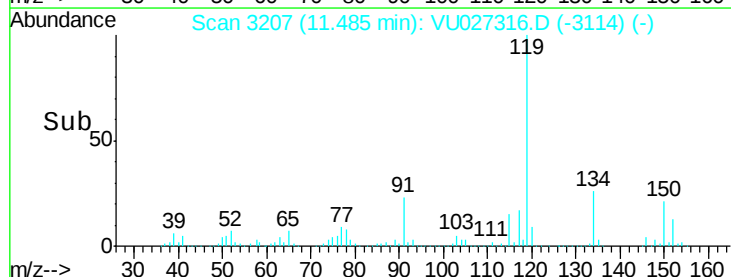
152 100

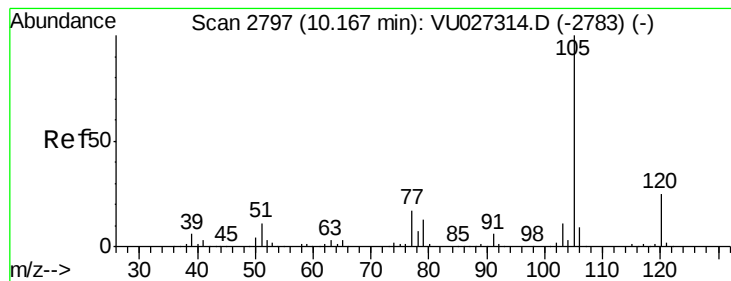
115 135.6 43.4 130.2#

150 207.1 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 156.143 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

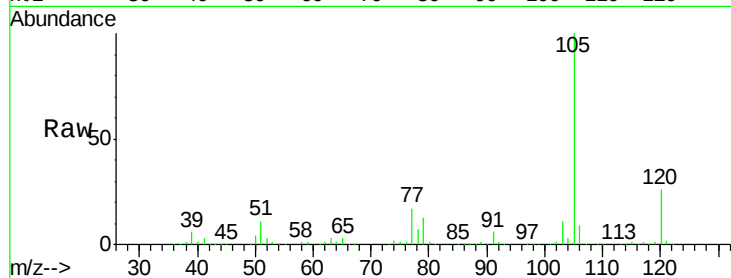
VSTDIC150

Tgt Ion:105 Resp: 1180483

Ion Ratio Lower Upper

105 100

120 25.5 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

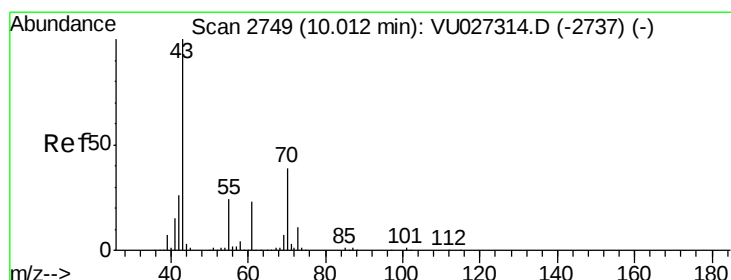
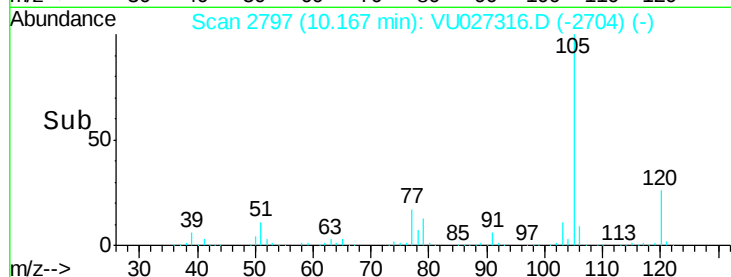
0

10.10

10.20

10.30

Time-->



#74

N-ethyl acetate

Concen: 165.059 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Tgt Ion: 43 Resp: 714393

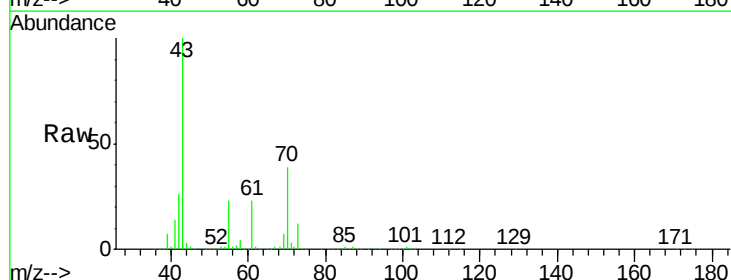
Ion Ratio Lower Upper

43 100

70 39.0 31.3 46.9

55 22.9 19.0 28.6

61 23.3 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

600000

400000

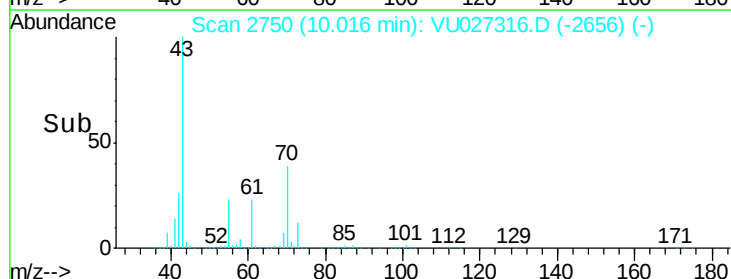
200000

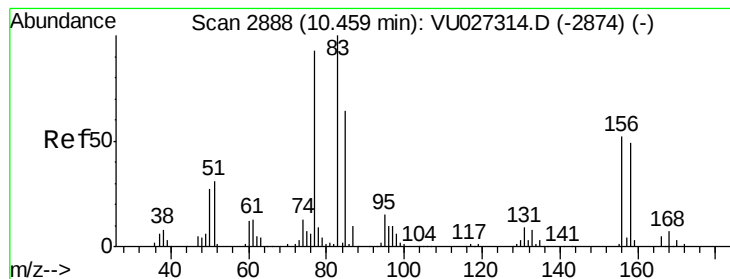
0

10.00

10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 148.631 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

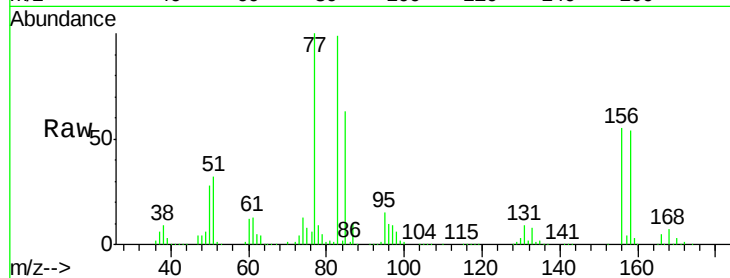
Tgt Ion: 83 Resp: 441227

Ion Ratio Lower Upper

83 100

131 8.7 4.4 13.2

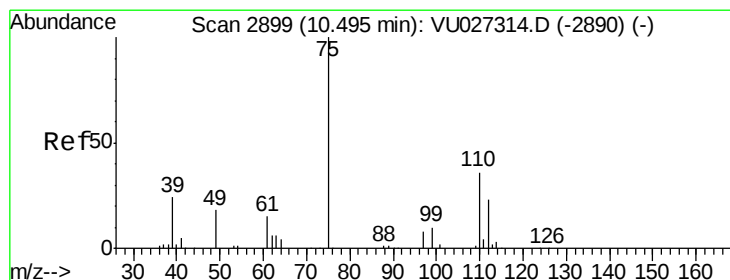
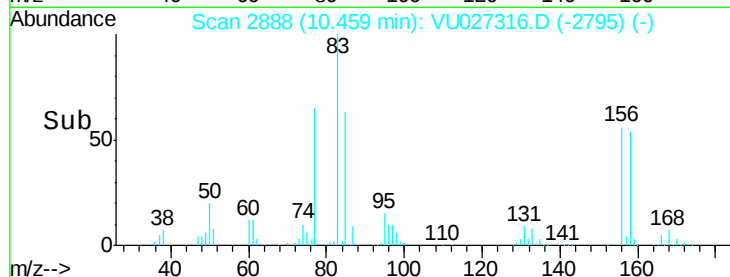
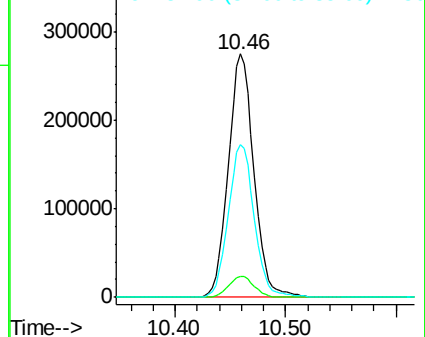
85 63.9 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 190.304 ug/l

RT: 10.50 min Scan# 2900

Delta R.T. 0.00 min

Lab File: VU027316.D

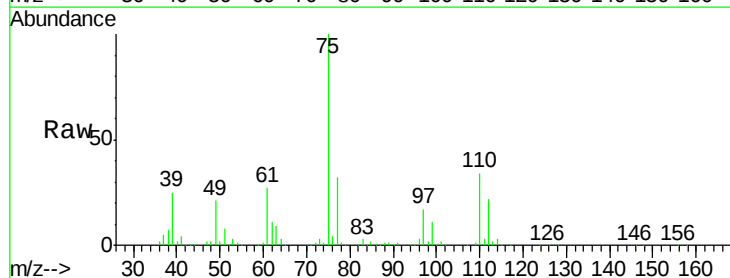
Acq: 01 Oct 2018 12:02

Tgt Ion: 75 Resp: 552257

Ion Ratio Lower Upper

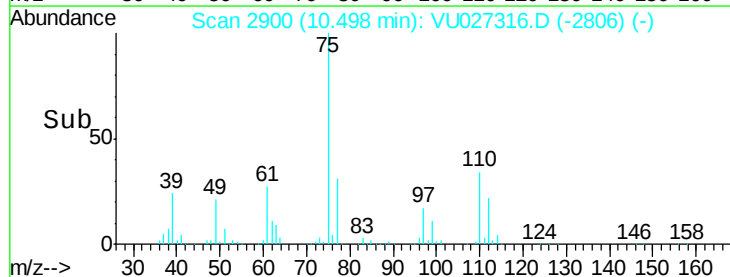
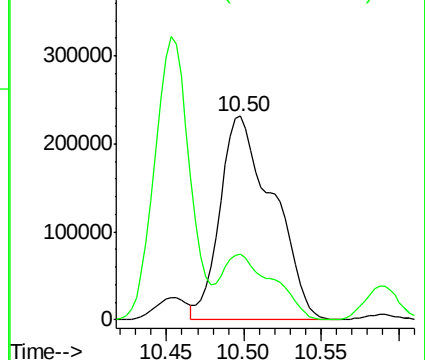
75 100

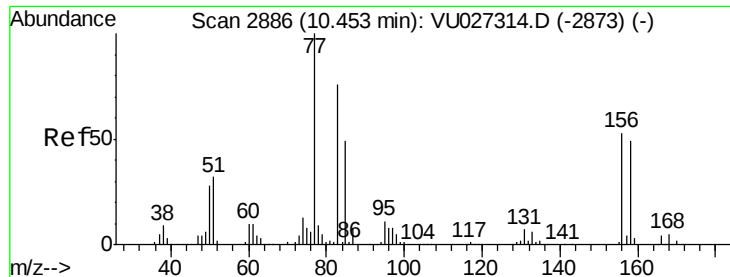
77 30.0 20.3 60.9



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 154.119 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

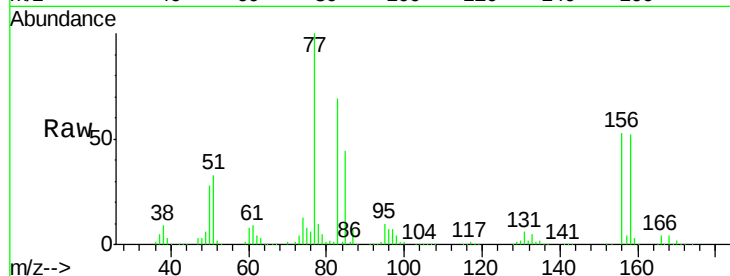
Tgt Ion:156 Resp: 270793

Ion Ratio Lower Upper

156 100

77 187.4 94.8 284.4

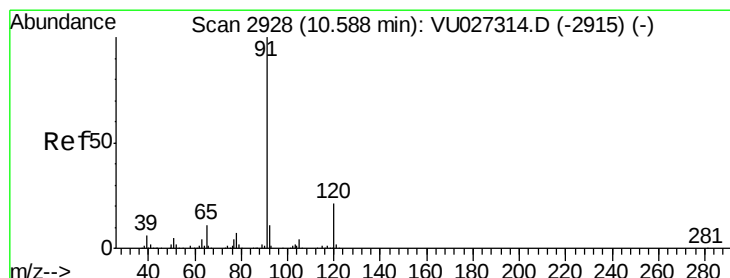
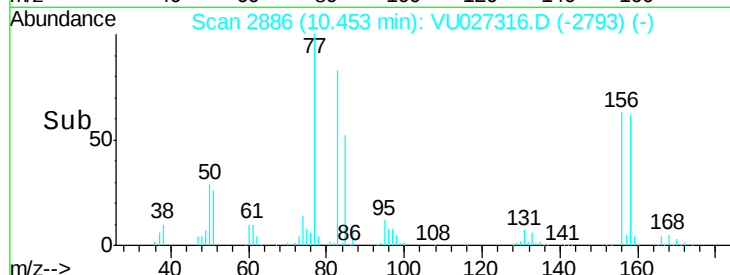
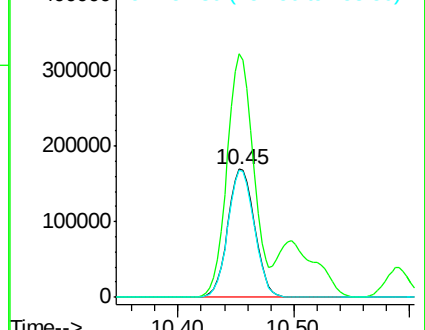
158 97.6 47.4 142.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 160.899 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027316.D

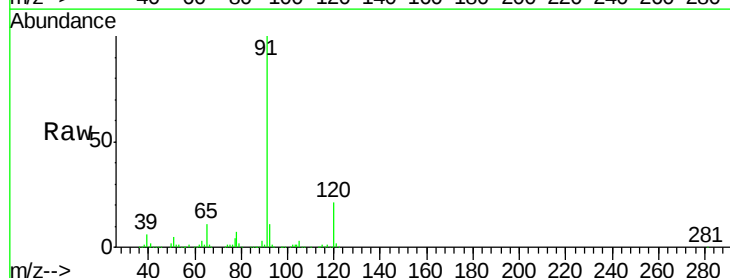
Acq: 01 Oct 2018 12:02

Tgt Ion: 91 Resp: 1461707

Ion Ratio Lower Upper

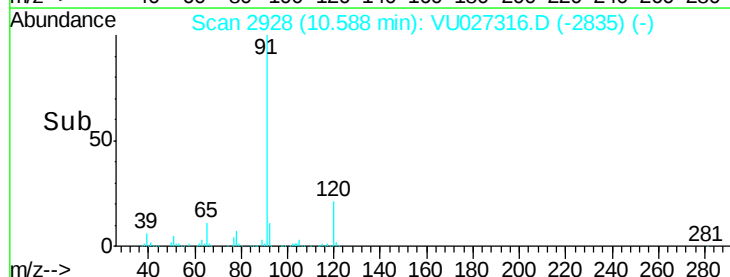
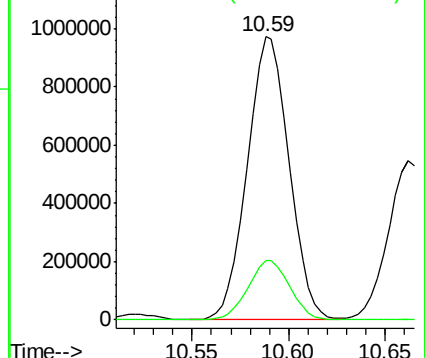
91 100

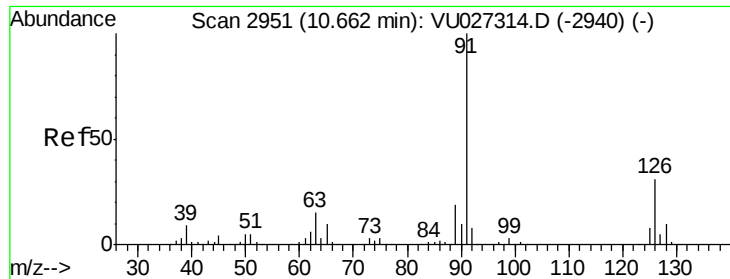
120 21.0 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

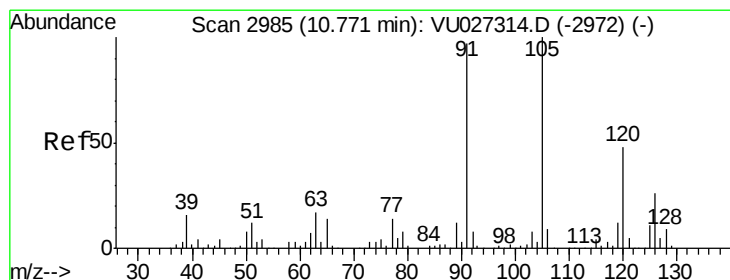
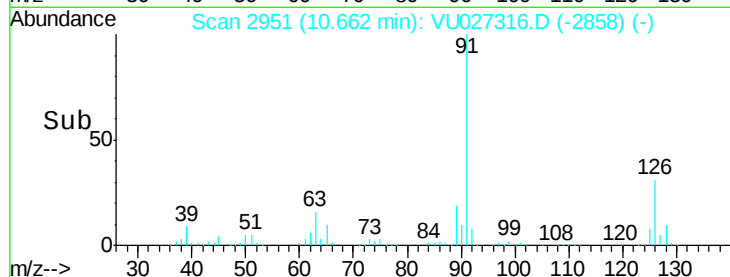
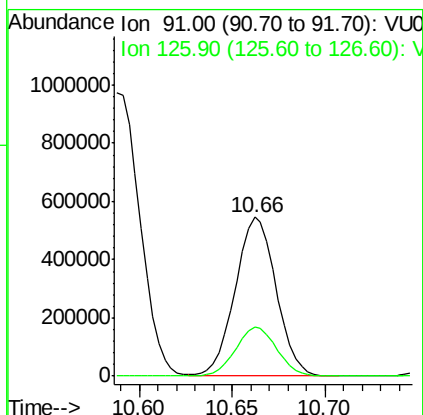
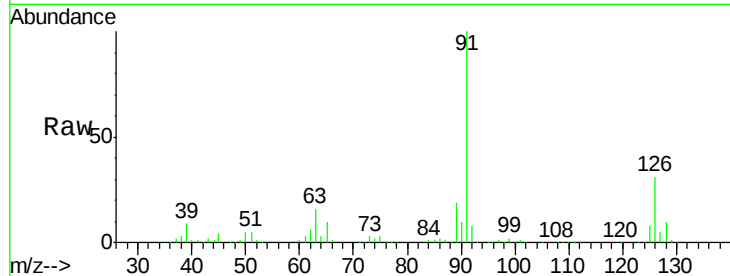




#79
 2-Chlorotoluene
 Concen: 152.367 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

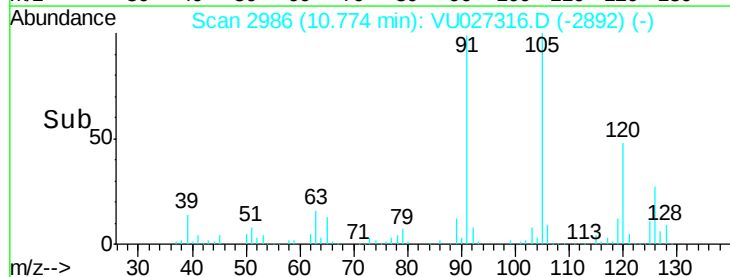
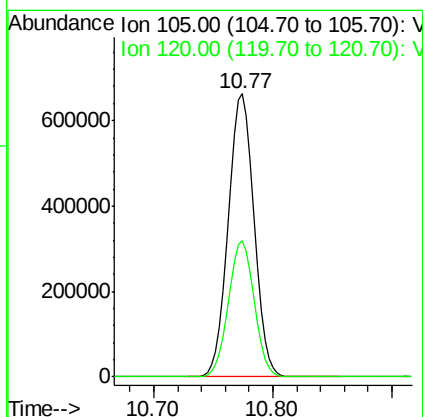
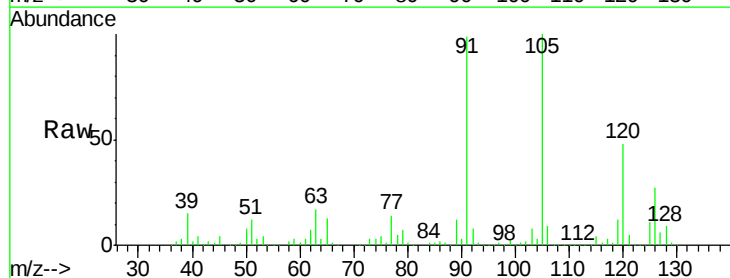
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

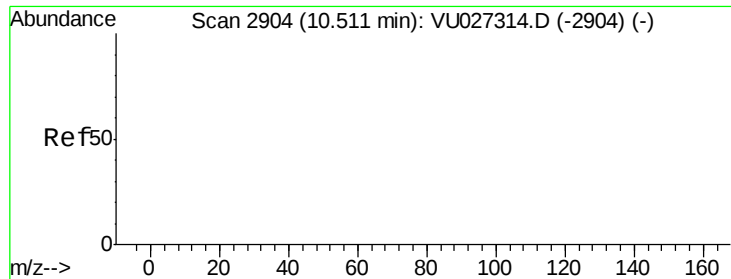
Tgt Ion: 91 Resp: 835760
 Ion Ratio Lower Upper
 91 100
 126 31.0 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 161.802 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Tgt Ion: 105 Resp: 995925
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 490.445 ug/l

RT: 10.50 min Scan# 2900

Delta R.T. -0.01 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

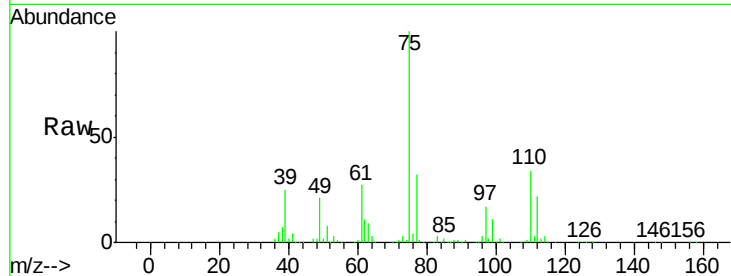
Tgt Ion: 75 Resp: 552257

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

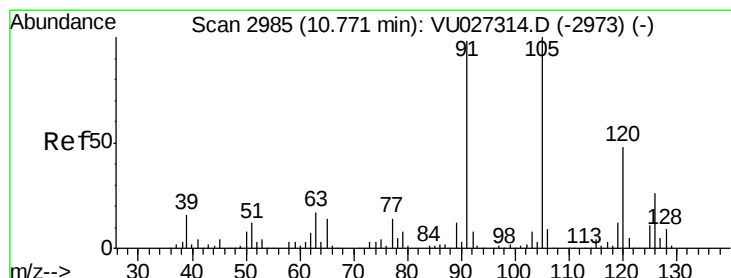
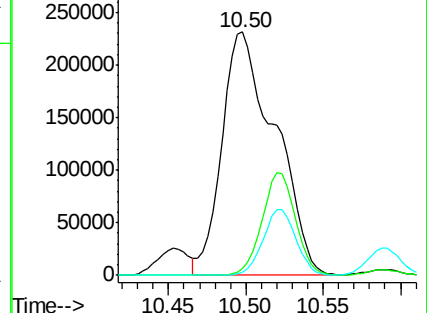
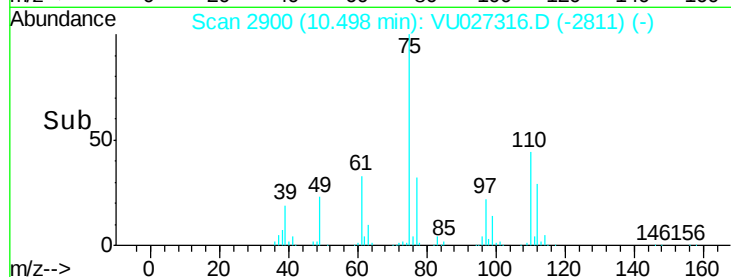
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU027316.D (-2904) (-)

Ion 53.00 (52.70 to 53.70): VU027316.D (-2904) (-)

Ion 88.90 (88.60 to 89.60): VU027316.D (-2904) (-)



#82

4-Chlorotoluene

Concen: 159.787 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027316.D

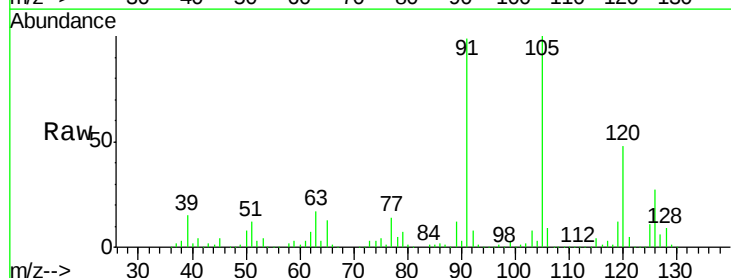
Acq: 01 Oct 2018 12:02

Tgt Ion: 91 Resp: 994618

Ion Ratio Lower Upper

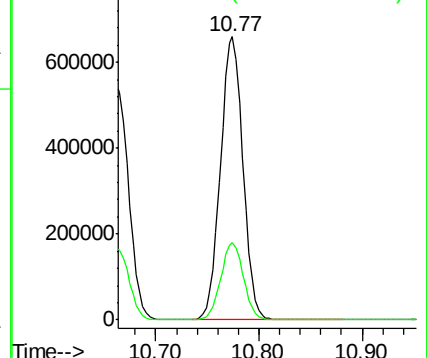
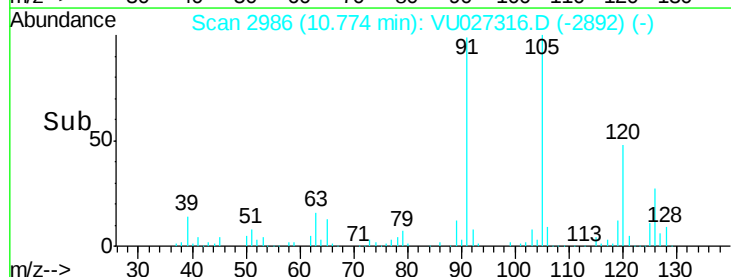
91 100

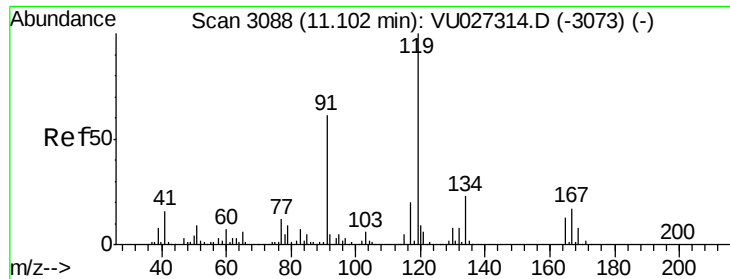
126 27.5 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VU027316.D (-2973) (-)

Ion 125.90 (125.60 to 126.60): VU027316.D (-2973) (-)

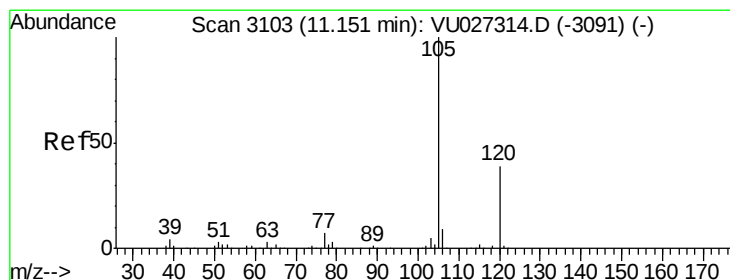
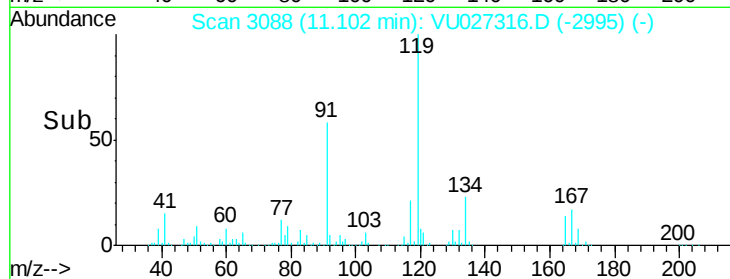
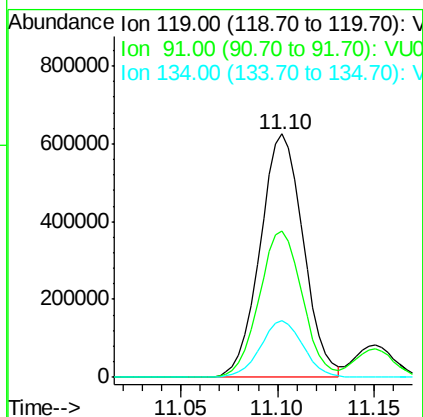
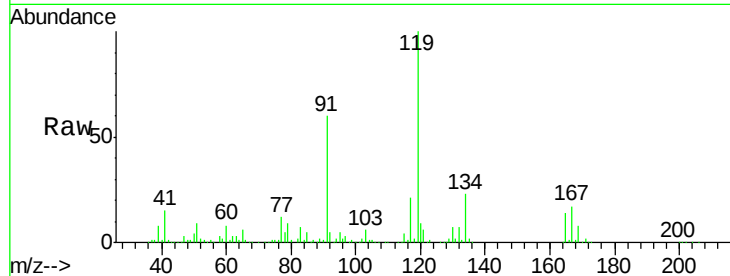




#83
 tert-Butylbenzene
 Concen: 162.834 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

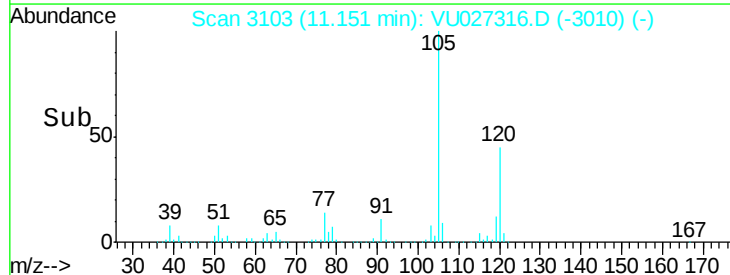
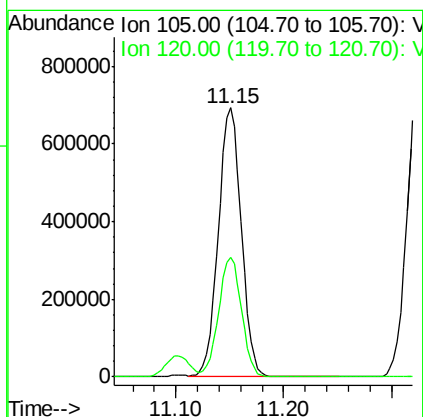
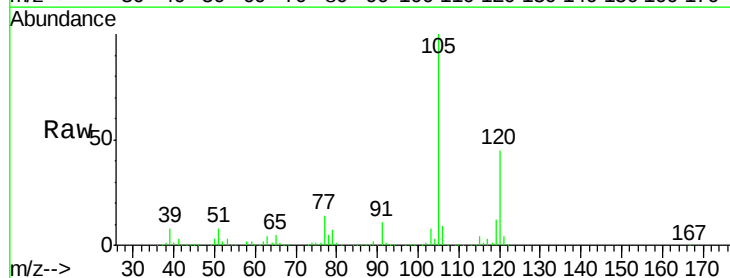
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

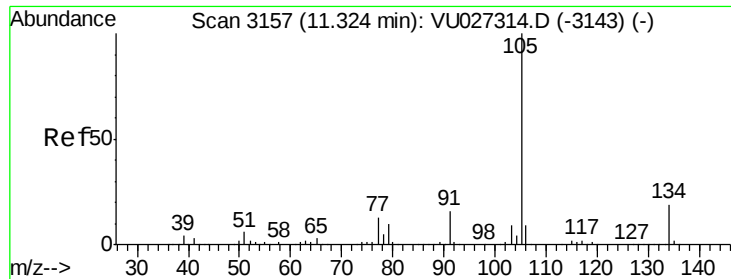
Tgt Ion:119 Resp: 968933
 Ion Ratio Lower Upper
 119 100
 91 60.1 30.3 91.0
 134 22.8 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 162.560 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Tgt Ion:105 Resp: 1022095
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.1 66.5

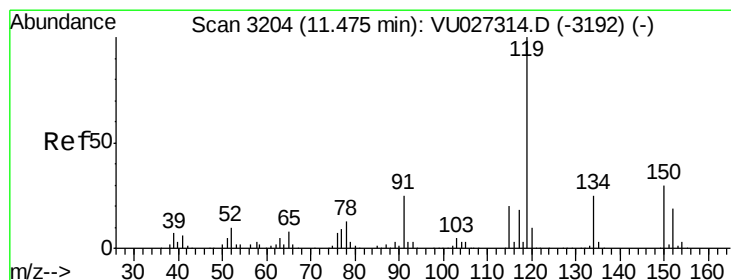
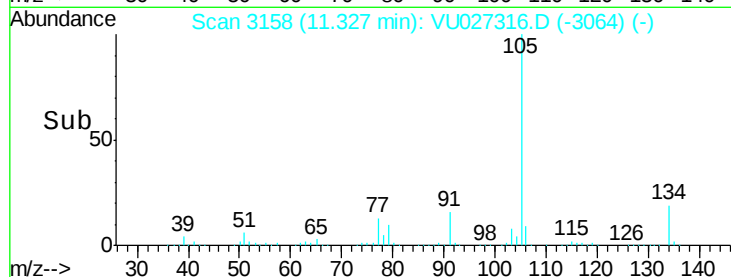
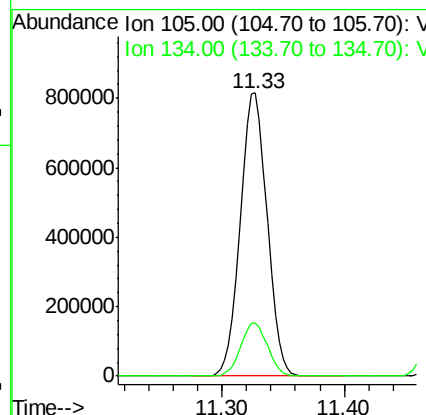
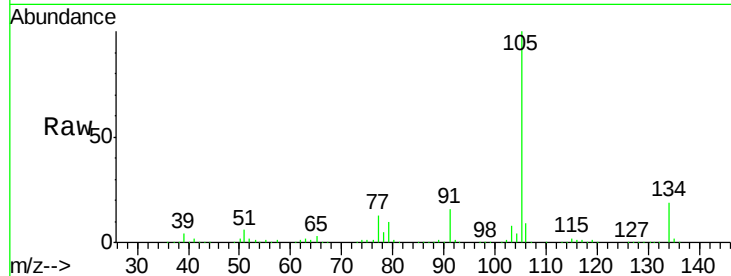




#85
 sec-Butylbenzene
 Concen: 165.239 ug/l
 RT: 11.33 min Scan# 3158
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

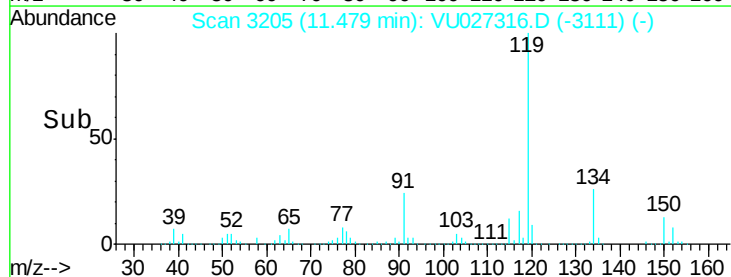
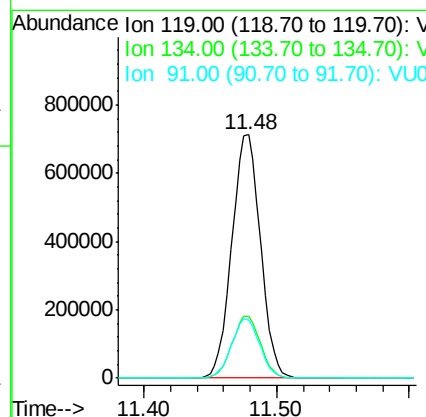
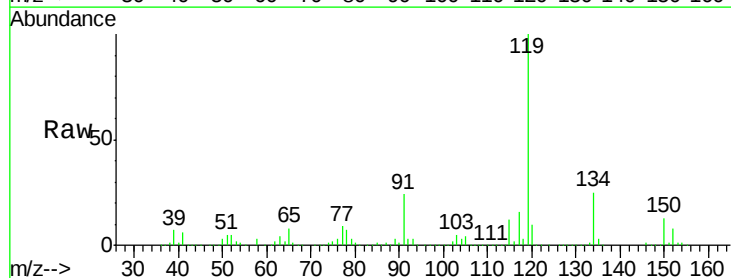
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

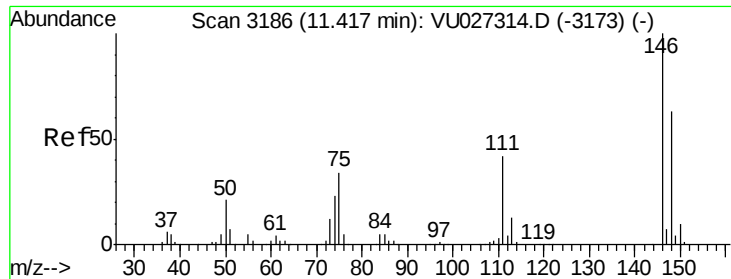
Tgt Ion:105 Resp: 1238867
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 166.164 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Tgt Ion:119 Resp: 1066665
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.7 38.1
 91 24.2 12.2 36.4

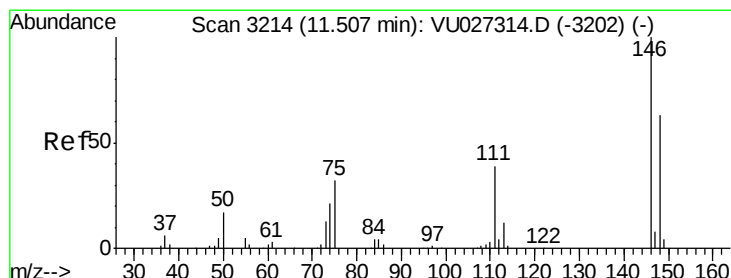
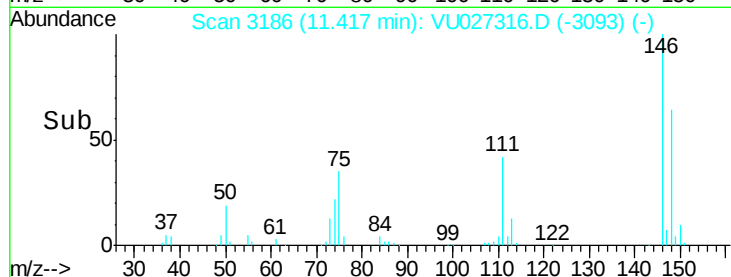
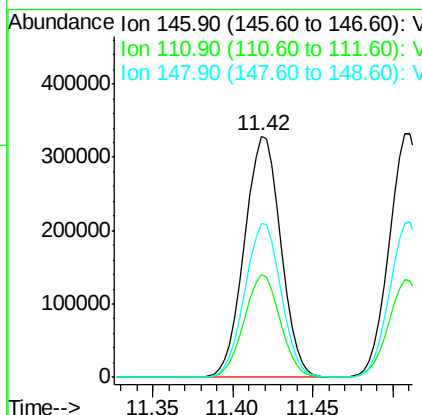
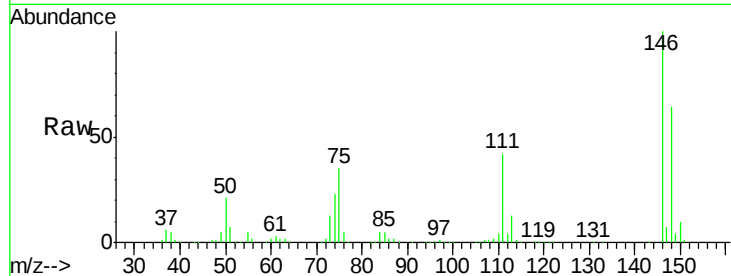




#87
 1,3-Dichlorobenzene
 Concen: 153.441 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

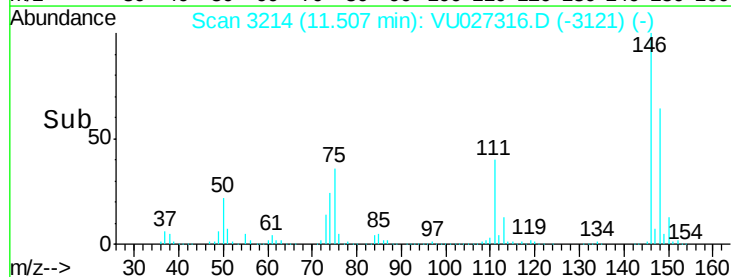
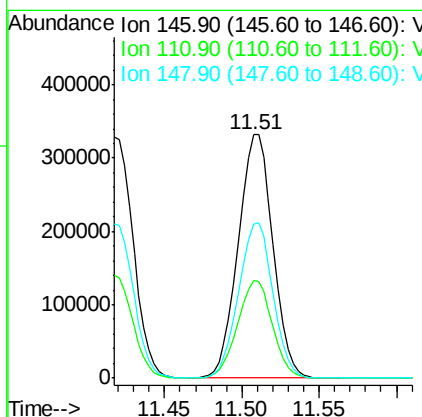
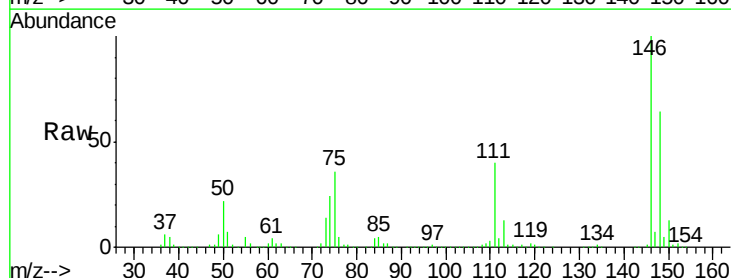
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

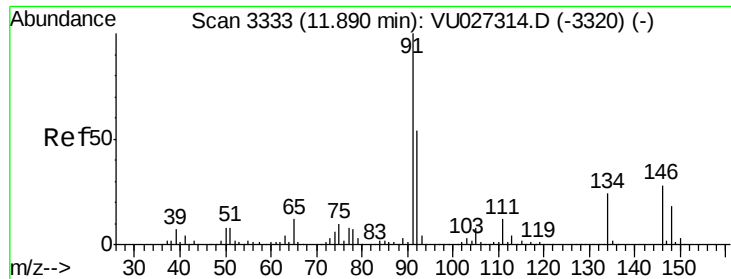
Tgt Ion:146 Resp: 510504
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.8 62.5
 148 63.7 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 152.025 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Tgt Ion:146 Resp: 516855
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.4 61.2
 148 63.4 31.9 95.5

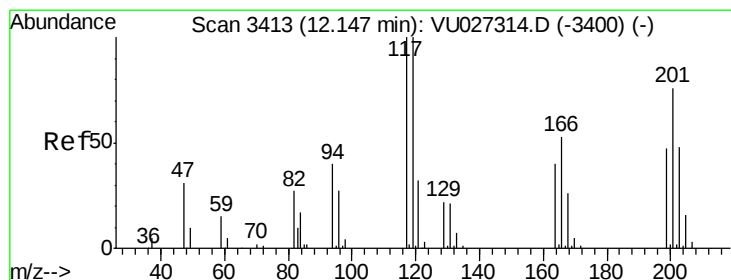
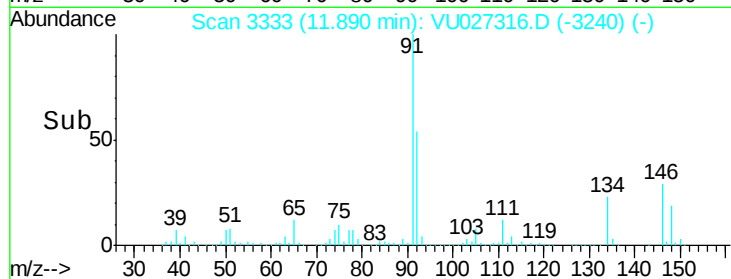
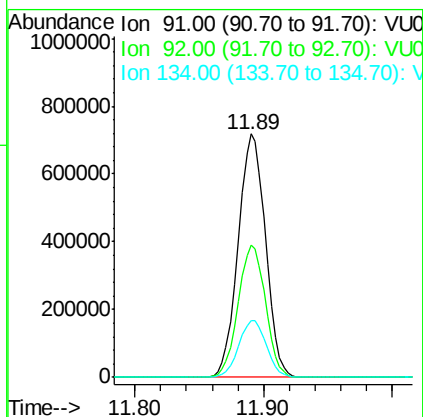
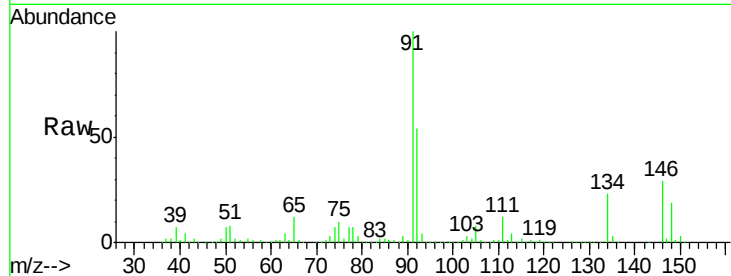




#89
n-Butylbenzene
Concen: 176.467 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

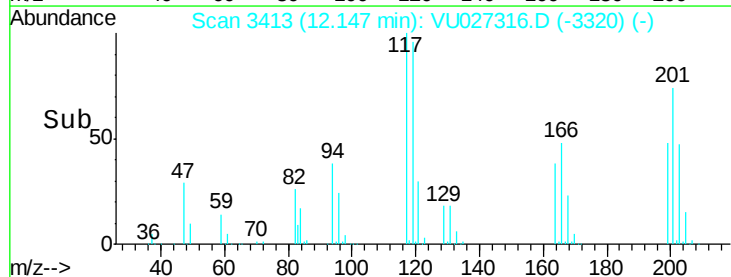
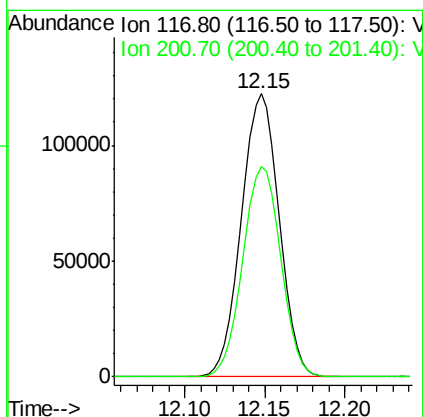
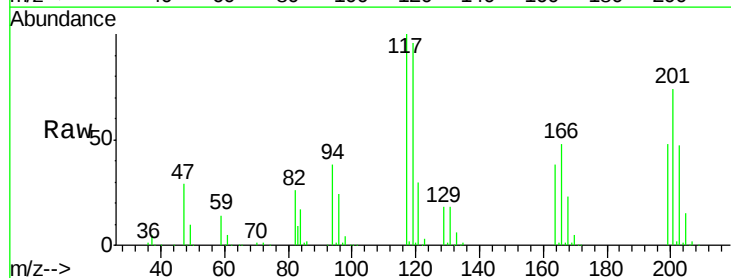
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

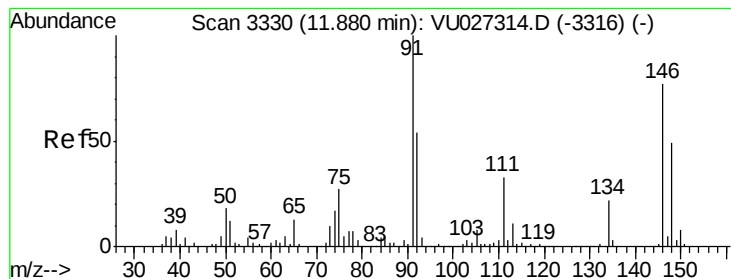
Tgt Ion: 91 Resp: 1056655
Ion Ratio Lower Upper
91 100
92 54.4 27.0 81.0
134 23.5 11.7 35.1



#90
Hexachloroethane
Concen: 162.885 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion: 117 Resp: 197091
Ion Ratio Lower Upper
117 100
201 74.7 37.9 113.6





#91

1,2-Dichlorobenzene

Concen: 156.336 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

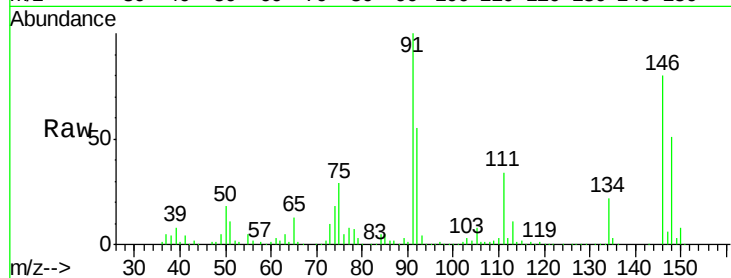
Tgt Ion:146 Resp: 506294

Ion Ratio Lower Upper

146 100

111 43.6 21.8 65.4

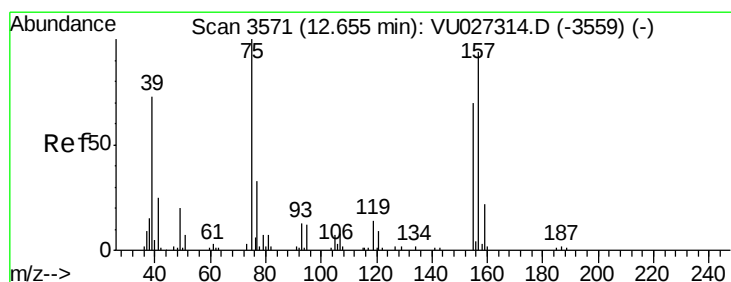
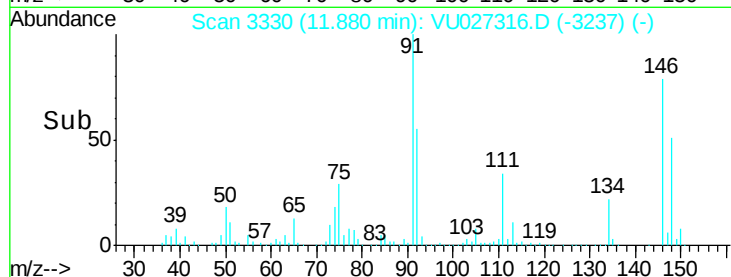
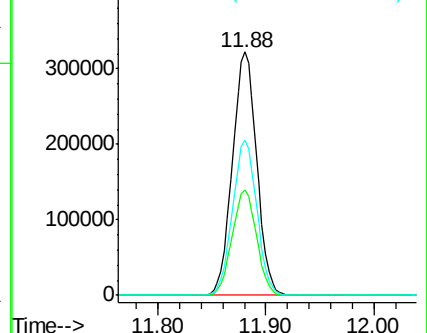
148 63.9 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 158.617 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

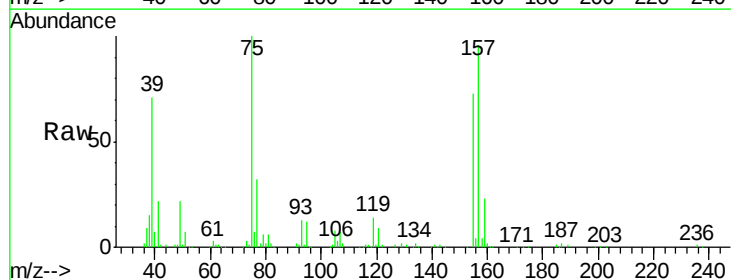
Tgt Ion: 75 Resp: 104357

Ion Ratio Lower Upper

75 100

155 74.9 35.9 107.8

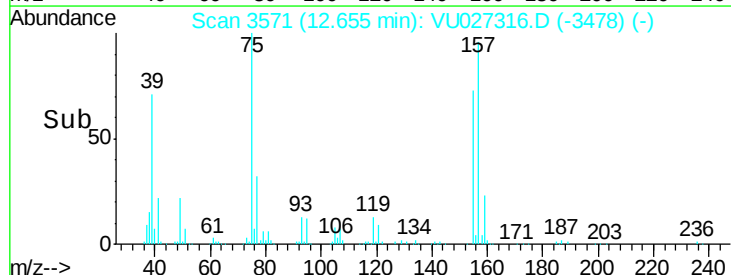
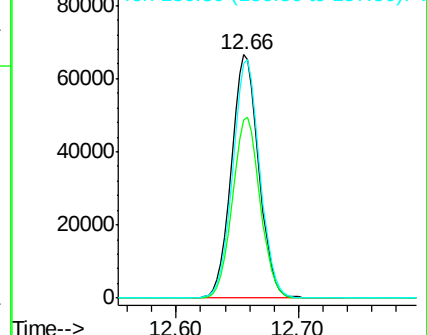
157 96.8 46.9 140.6

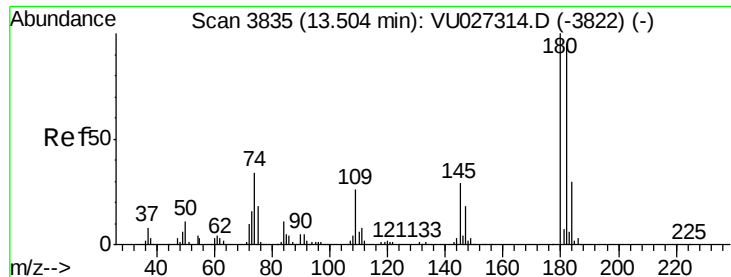


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 170.643 ug/l

RT: 13.50 min Scan# 3835

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

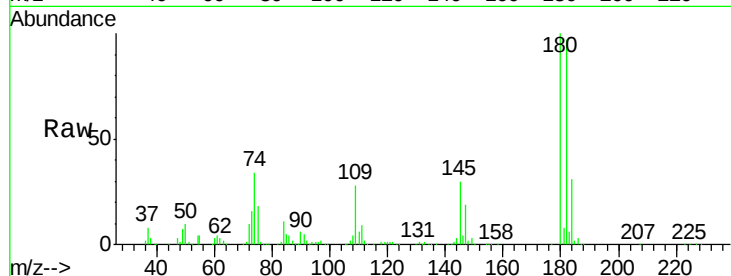
Tgt Ion:180 Resp: 357582

Ion Ratio Lower Upper

180 100

182 96.5 47.4 142.3

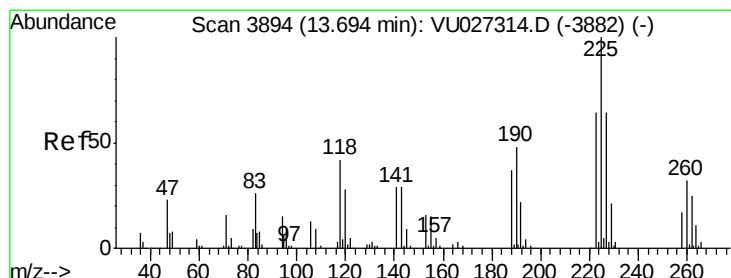
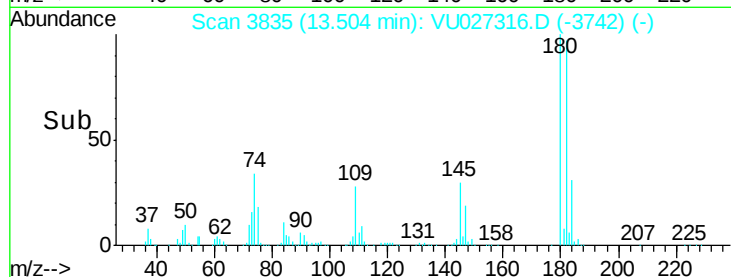
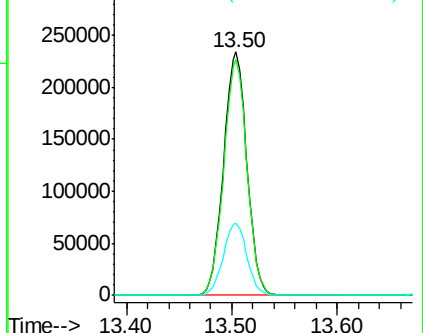
145 30.0 14.6 44.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 161.119 ug/l

RT: 13.69 min Scan# 3894

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

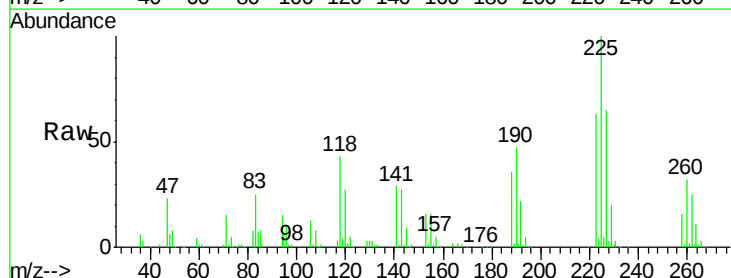
Tgt Ion:225 Resp: 170582

Ion Ratio Lower Upper

225 100

223 62.9 31.8 95.3

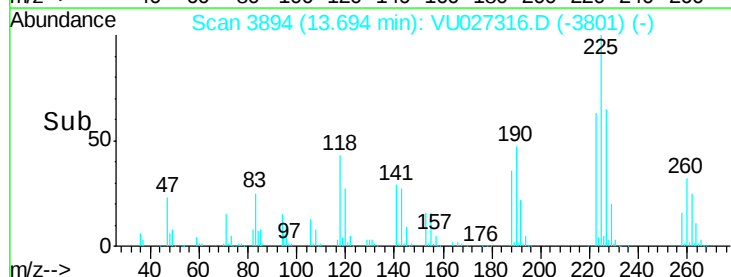
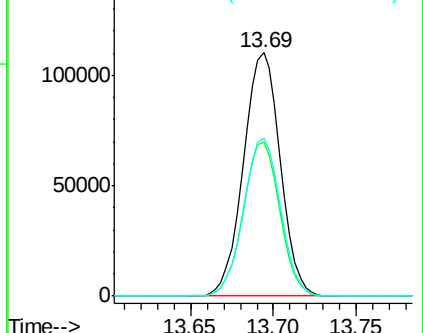
227 64.7 31.9 95.7

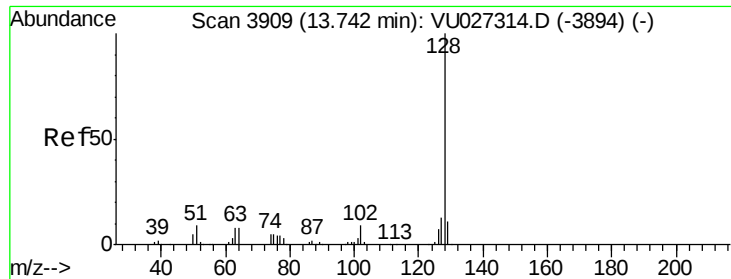


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

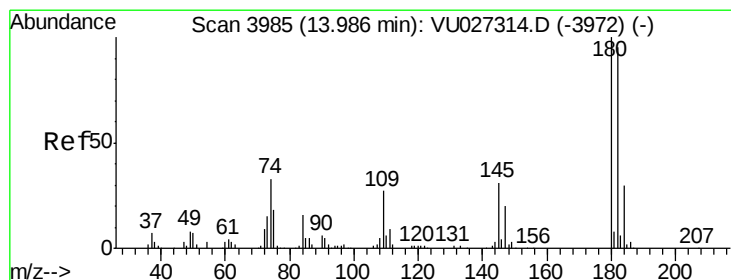
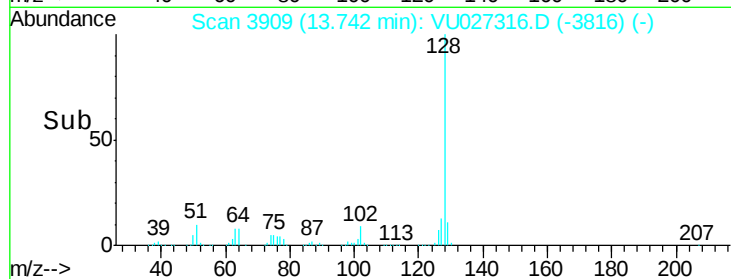
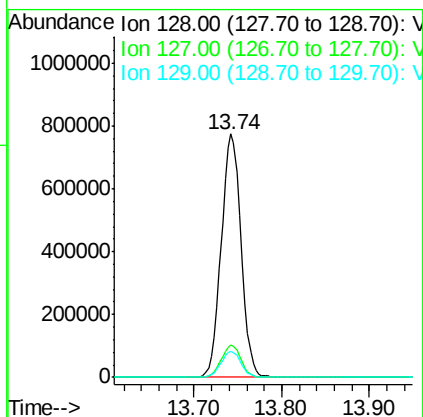
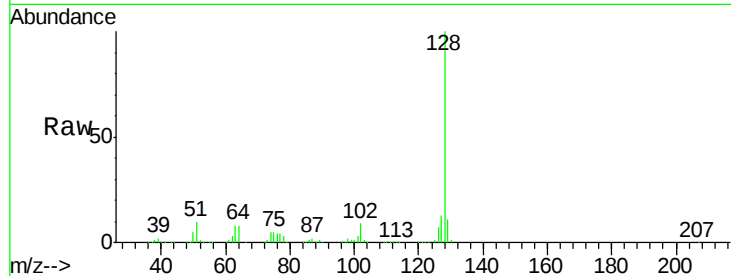




#95
Naphthalene
Concen: 172.800 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 1213987
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 163.166 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion:180 Resp: 356215
Ion Ratio Lower Upper
180 100
182 95.7 47.4 142.2
145 31.9 15.9 47.7

