

Data File : VU031517.D
Acq On : 26 Apr 2019 01:37
Operator : JC/SP
Sample : VU0426WBSD01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0426WBSD01

Quant Time: Apr 26 04:56:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U042619DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Apr 26 04:42:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	71878	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	23980	0.95	ug/l	0.00
Spiked Amount	1.000		Recovery	=	95.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	25089	1.07	ug/l	0.00
Spiked Amount	1.000		Recovery	=	107.00%	

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	64063	1.974	ug/l	98
3) Chloromethane	1.32	50	76414	1.974	ug/l	99
4) Vinyl Chloride	1.40	62	70860	1.922	ug/l	97
5) Bromomethane	1.63	94	37584	2.104	ug/l	97
6) Chloroethane	1.70	64	40626	1.992	ug/l	95
7) Trichlorofluoromethane	1.88	101	84745	2.018	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	40159	1.940	ug/l	96
9) 1,1-Dichloroethene	2.28	96	41041	1.994	ug/l	98
10) Iodomethane	2.41	142	35614	1.573	ug/l	99
11) Allyl Chloride	2.59	41	86305	1.914	ug/l	93
12) Acrylonitrile	2.94	53	25190	4.040	ug/l	92
13) Acetone	2.33	43	53924	9.491	ug/l	100
14) Carbon Disulfide	2.47	76	157657	1.996	ug/l	98
15) Methylene Chloride	2.70	84	50250	1.926	ug/l	96
16) trans-1,2-Dichloroethene	2.98	96	45786	1.988	ug/l	98
17) 1,1-Dichloroethane	3.44	63	93711	1.952	ug/l	97
18) 2-Butanone	4.28	43	74214	9.997	ug/l	94
19) Cyclohexane	4.99	56	58771	1.590	ug/l #	87
20) Methylcyclohexane	6.41	83	54997	1.854	ug/l	98
21) 2,2-Dichloropropane	4.22	77	57871	1.650	ug/l	99
22) cis-1,2-Dichloroethene	4.23	96	45727	1.857	ug/l	95
23) Diethyl Ether	2.10	59	38542	1.954	ug/l	99
24) tert-Butyl Alcohol	2.85	59	41650	20.361	ug/l #	89
25) Methyl tert-Butyl Ether	3.00	73	121071	2.020	ug/l	98
26) Bromochloromethane	4.54	128	20230	1.944	ug/l	95
27) Chloroform	4.67	83	87387	1.964	ug/l	97
28) 1,1,1-Trichloroethane	4.91	97	71976	1.920	ug/l	98
29) 1,1-Dichloropropene	5.13	75	59338	1.955	ug/l	99
30) Carbon Tetrachloride	5.13	117	64348	2.015	ug/l	97
31) Isopropyl Ether	3.57	45	140591	1.955	ug/l	97
32) Ethyl-t-butyl ether	4.06	59	112107	1.921	ug/l	98
33) Tert-Amyl methyl ether	5.57	73	88110	1.898	ug/l	98
34) Propionitrile	4.34	54	20803	10.447	ug/l #	97
35) Benzene	5.39	78	185434	1.997	ug/l	97
36) 1,2-Dichloroethane	5.40	62	61687	2.039	ug/l	97
37) Trichloroethene	6.18	130	42792	1.884	ug/l	95
38) 1,2-Dichloropropane	6.43	63	51192	1.951	ug/l	98
39) Methacrylonitrile	4.55	41	16988	2.033	ug/l	97
40) Methyl acrylate	4.43	55	20322	1.849	ug/l #	93
41) Tetrahydrofuran	4.65	42	18758	4.098	ug/l	99
42) 1-Chlorobutane	5.06	56	86658	1.882	ug/l	95

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ClientSampleID :
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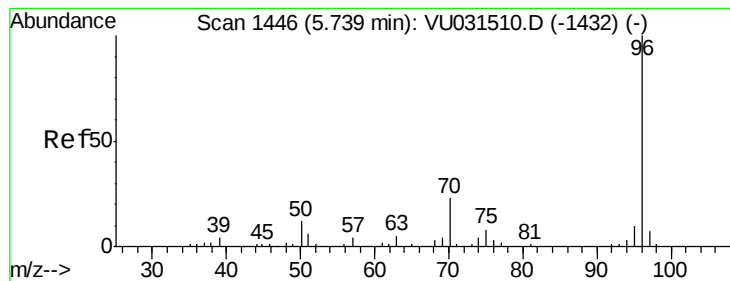
Quant Time: Apr 26 04:56:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U042619DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Apr 26 04:42:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	25412	1.971	ug/l	95
44) Bromodichloromethane	6.75	83	62996	1.967	ug/l	99
45) 4-Methyl-2-Pentanone	7.46	43	150454	9.751	ug/l	98
46) t-1,4-Dichloro-2-butene	10.49	75	28952	6.115	ug/l #	66
47) Methyl methacrylate	6.63	69	37559	3.771	ug/l	97
48) Ethyl methacrylate	8.02	69	33545	1.935	ug/l	100
49) Toluene	7.63	92	92217	1.911	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	46154	1.829	ug/l	96
51) cis-1,3-Dichloropropene	7.27	75	55123	1.793	ug/l	94
52) 1,1,2-Trichloroethane	8.06	97	34249	2.036	ug/l	95
53) 1,3-Dichloropropane	8.24	76	59701	2.023	ug/l	99
54) 2-Hexanone	8.37	43	100774	9.687	ug/l	94
55) Dibromochloromethane	8.48	129	37912	1.998	ug/l	98
56) 1,2-Dibromoethane	8.59	107	29774	1.978	ug/l	96
58) Tetrachloroethene	8.22	164	43021	1.964	ug/l	99
59) Chlorobenzene	9.12	112	98595	1.947	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.21	131	37564	1.902	ug/l	97
61) Pentachloroethane	11.10	117	26941	1.925	ug/l	93
62) Hexachloroethane	12.14	117	28009	2.032	ug/l	95
63) Ethyl Benzene	9.25	91	153417	1.850	ug/l	99
64) m/p-Xylenes	9.37	106	113115	3.646	ug/l	96
65) o-Xylene	9.78	106	55509	1.841	ug/l	95
66) Styrene	9.79	104	93479	1.833	ug/l	97
67) Bromoform	9.96	173	20395	1.921	ug/l	96
69) Isopropylbenzene	10.16	105	153501	1.944	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.46	83	43515	2.009	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	28952	1.835	ug/l #	94
72) Bromobenzene	10.45	156	39982	1.997	ug/l	96
73) n-propylbenzene	10.58	120	38269	1.873	ug/l	91
74) 2-Chlorotoluene	10.66	126	37267	1.914	ug/l	94
75) 1,3,5-Trimethylbenzene	10.77	105	128103	1.832	ug/l	98
76) 4-Chlorotoluene	10.77	126	39288	1.938	ug/l	99
77) tert-Butylbenzene	11.10	119	121696	1.929	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	128139	1.810	ug/l	97
79) sec-Butylbenzene	11.32	105	171457	1.992	ug/l	98
80) Nitrobenzene	12.89	77	1612	3.092	ug/l #	79
81) p-Isopropyltoluene	11.47	119	125986	1.823	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	79680	2.012	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	76736	2.018	ug/l	97
84) n-Butylbenzene	11.89	91	122363	1.863	ug/l	97
85) 1,2-Dichlorobenzene	11.88	146	72937	1.938	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.65	75	6331	2.031	ug/l	99
87) 1,2,4-Trichlorobenzene	13.50	180	36929	1.929	ug/l	97
88) Hexachlorobutadiene	13.69	225	27219	1.968	ug/l	98
89) Naphthalene	13.74	128	58990	1.916	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	37767	1.934	ug/l	98

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

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

VU0426WBSD01

Tgt Ion: 96 Resp: 71878

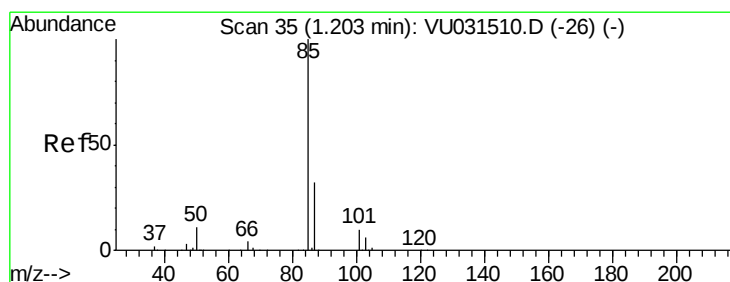
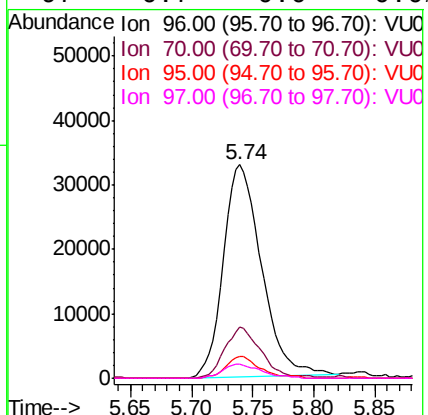
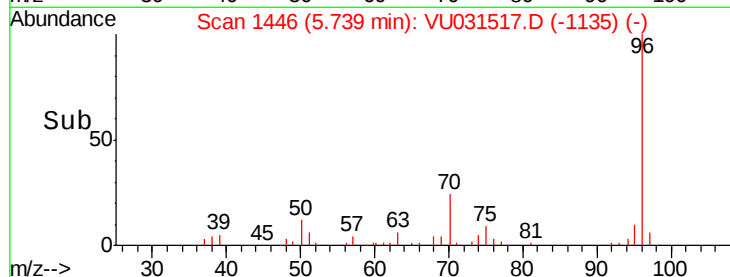
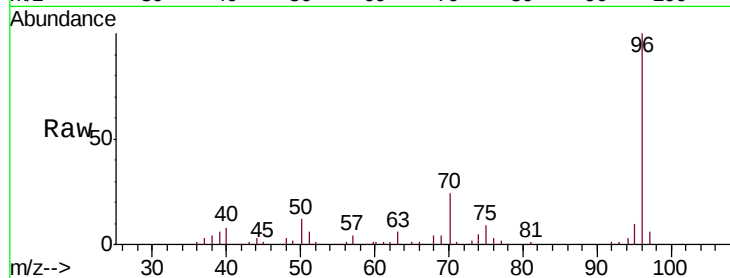
Ion Ratio Lower Upper

96 100

70 22.3 18.2 27.2

95 9.3 7.7 11.5

97 6.7 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 1.974 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031517.D

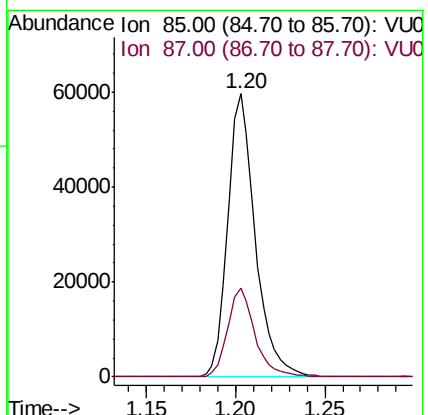
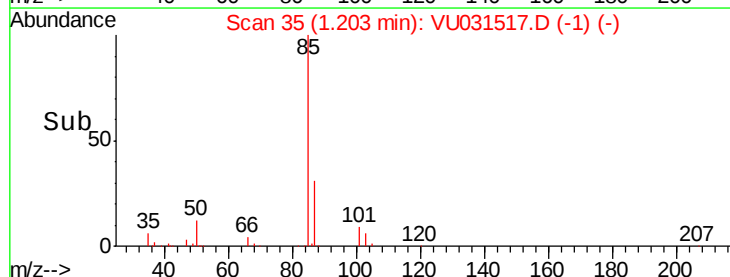
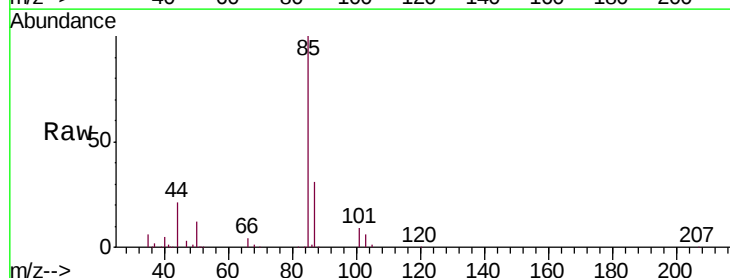
Acq: 26 Apr 2019 01:37

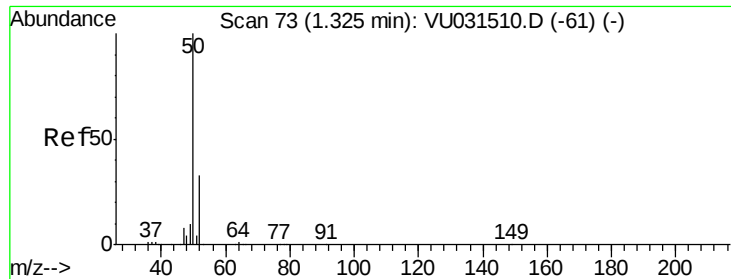
Tgt Ion: 85 Resp: 64063

Ion Ratio Lower Upper

85 100

87 31.2 16.1 48.2





#3

Chloromethane

Concen: 1.974 ug/l

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

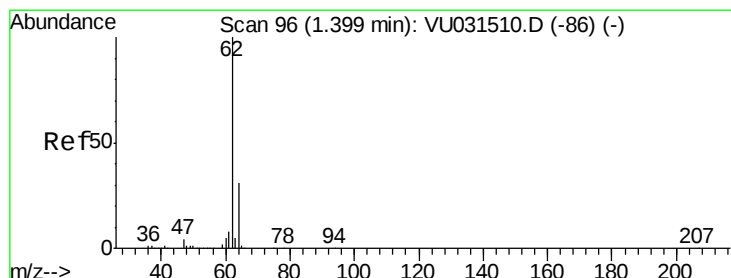
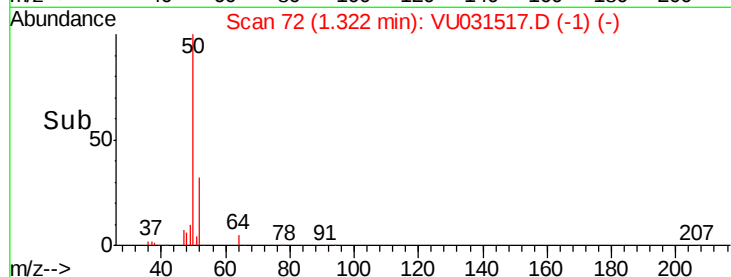
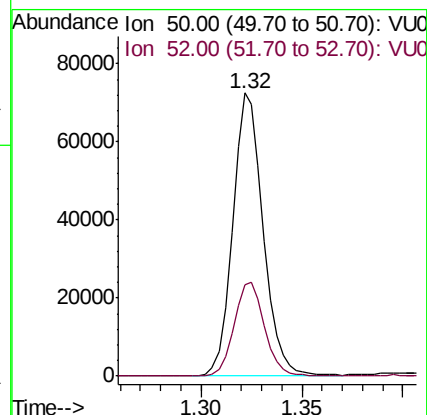
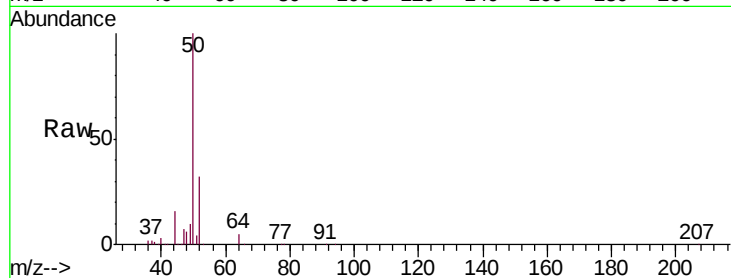
VU0426WBSD01

Tgt Ion: 50 Resp: 76414

Ion Ratio Lower Upper

50 100

52 32.3 26.1 39.1



#4

Vinyl Chloride

Concen: 1.922 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031517.D

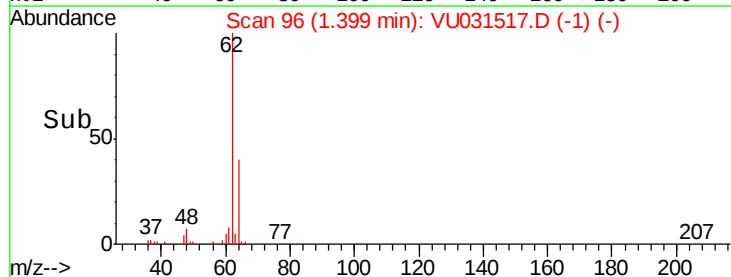
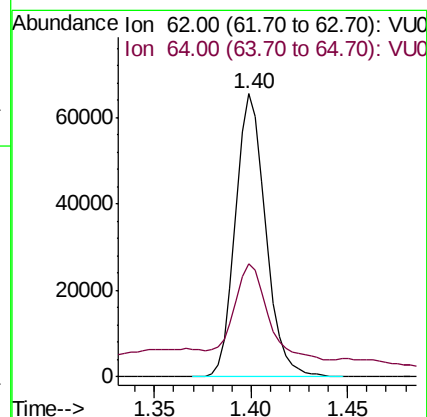
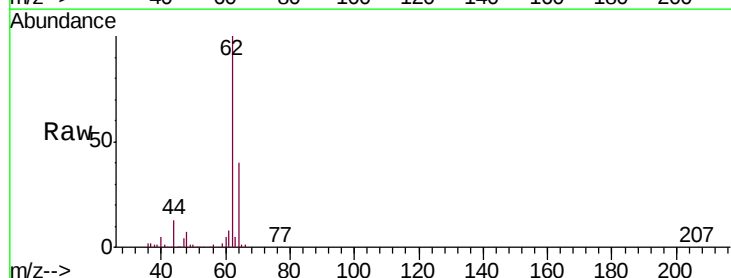
Acq: 26 Apr 2019 01:37

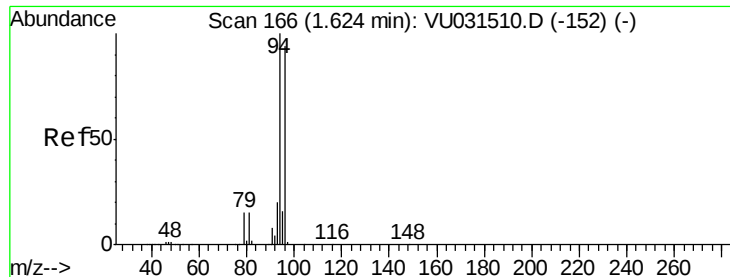
Tgt Ion: 62 Resp: 70860

Ion Ratio Lower Upper

62 100

64 33.5 25.5 38.3





#5

Bromomethane

Concen: 2.104 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

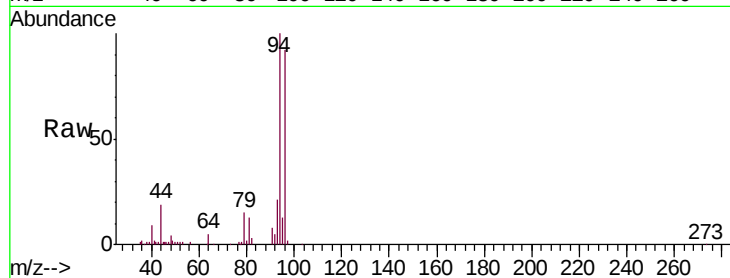
VU0426WBSD01

Tgt Ion: 94 Resp: 37584

Ion Ratio Lower Upper

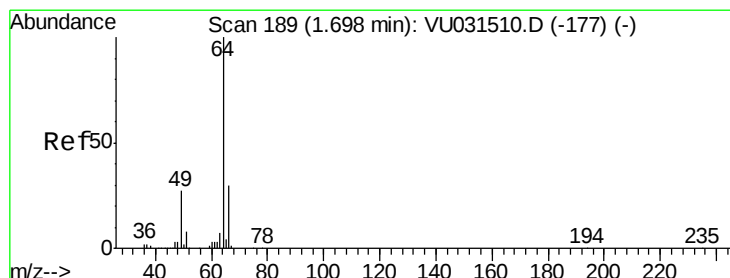
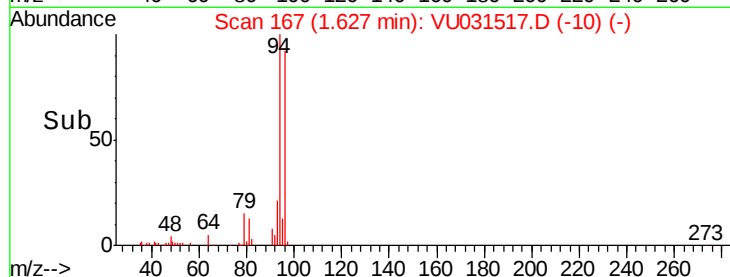
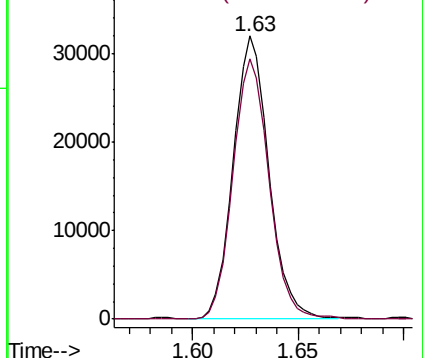
94 100

96 92.0 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 1.992 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031517.D

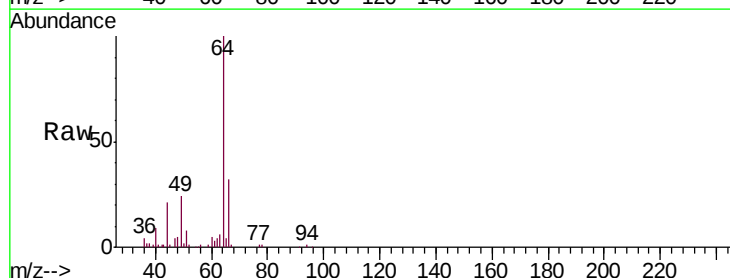
Acq: 26 Apr 2019 01:37

Tgt Ion: 64 Resp: 40626

Ion Ratio Lower Upper

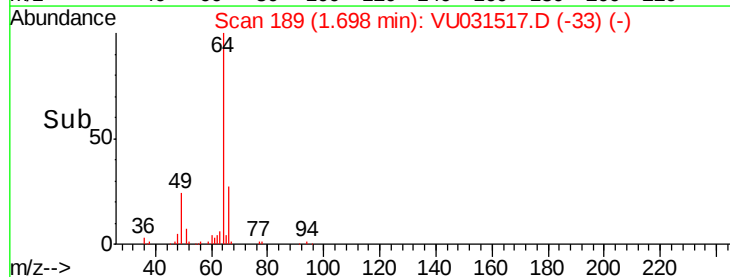
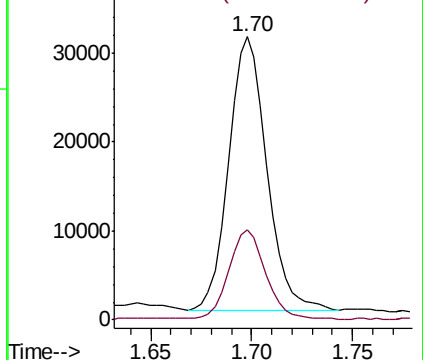
64 100

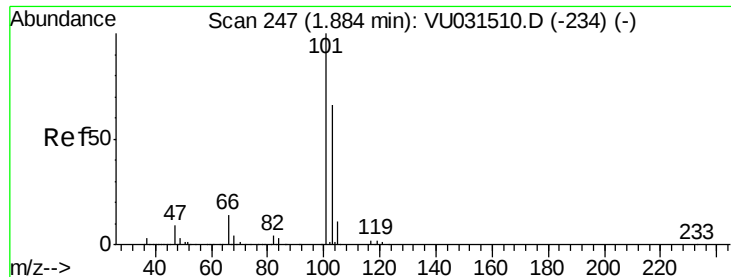
66 33.1 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



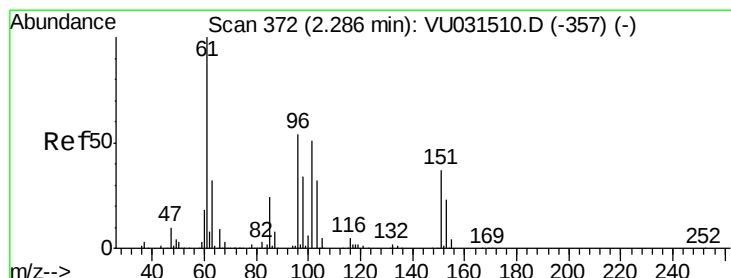
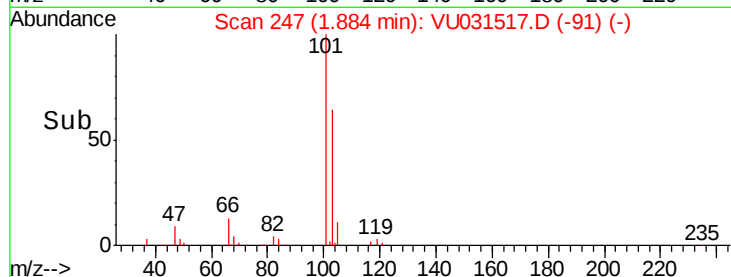
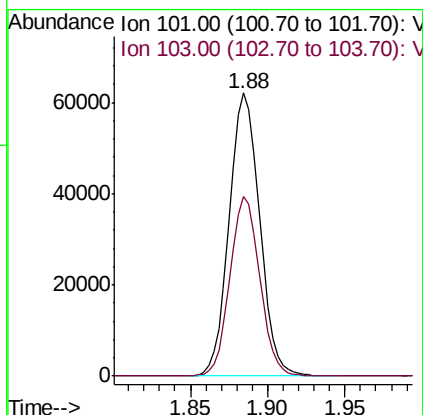
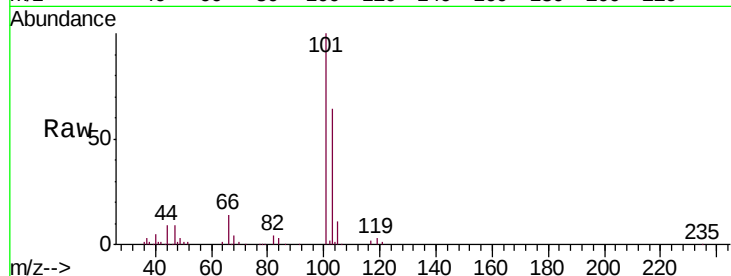


#7

Trichlorofluoromethane
 Concen: 2.018 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Instrument :
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 VU0426WBSD01

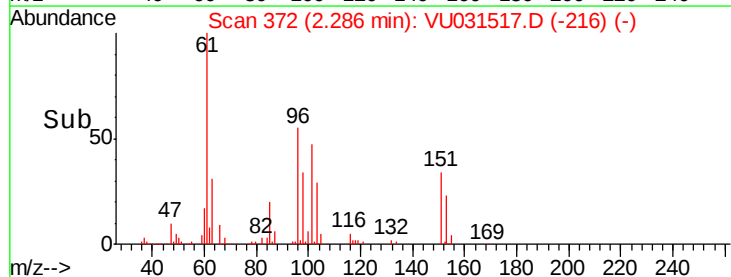
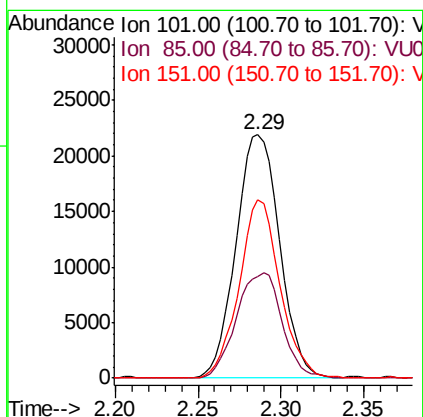
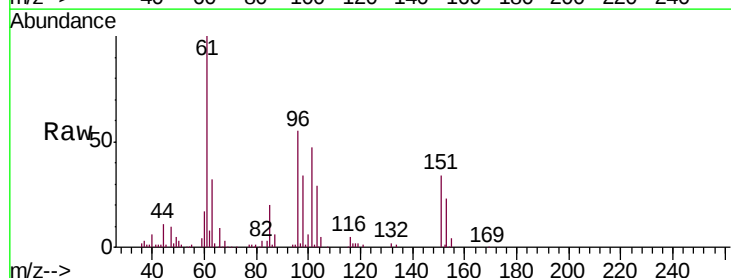
Tgt Ion:101 Resp: 84745
 Ion Ratio Lower Upper
 101 100
 103 63.7 52.8 79.2

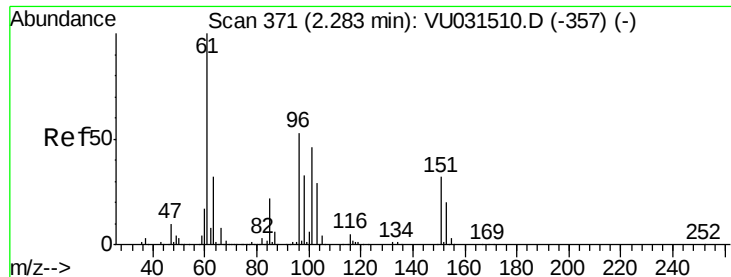


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.940 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Tgt Ion:101 Resp: 40159
 Ion Ratio Lower Upper
 101 100
 85 44.9 37.8 56.6
 151 68.4 57.4 86.0





#9

1,1-Dichloroethene

Concen: 1.994 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

VU0426WBSD01

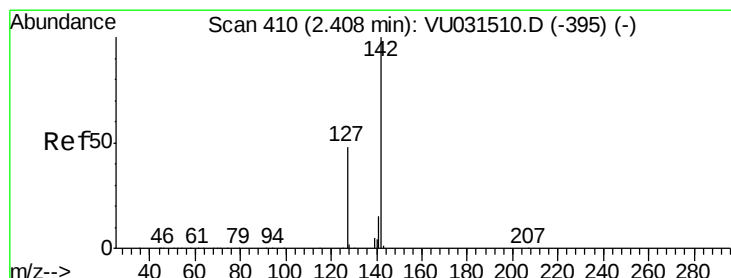
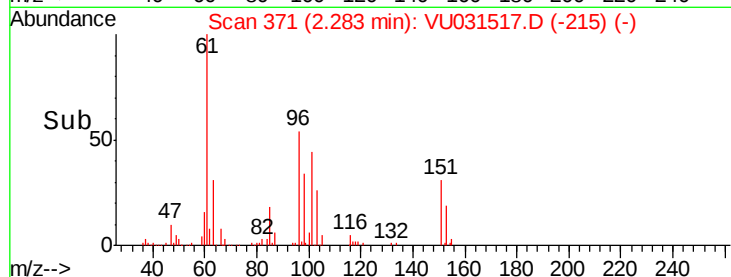
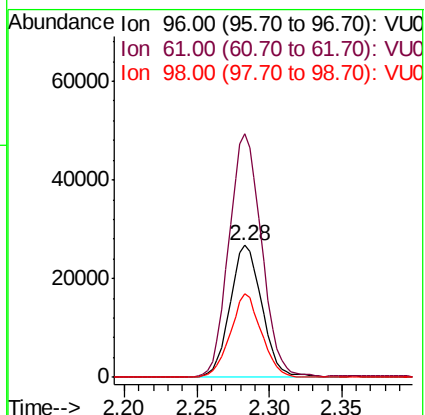
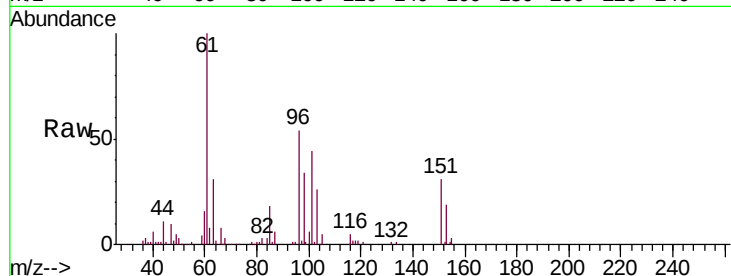
Tgt Ion: 96 Resp: 41041

Ion Ratio Lower Upper

96 100

61 184.8 0.0 566.7

98 63.7 0.0 126.4



#10

Iodomethane

Concen: 1.573 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU031517.D

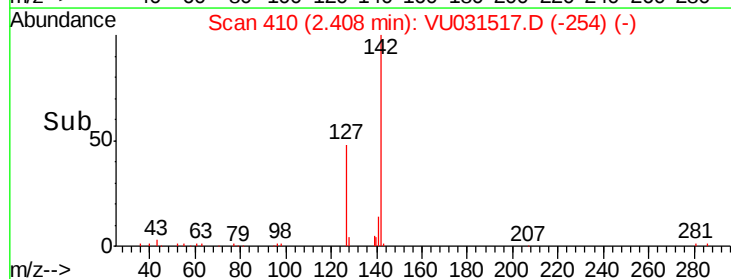
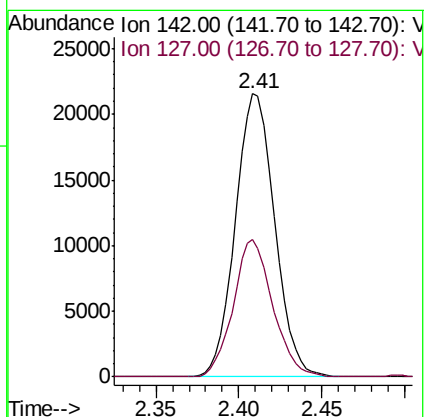
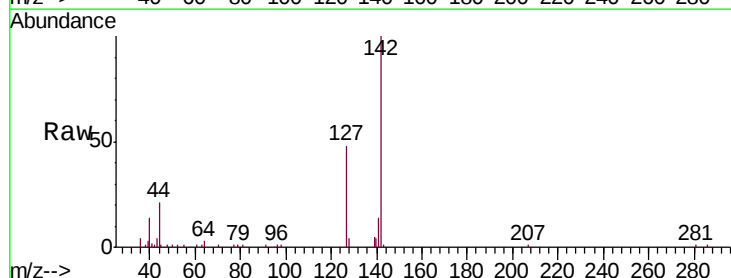
Acq: 26 Apr 2019 01:37

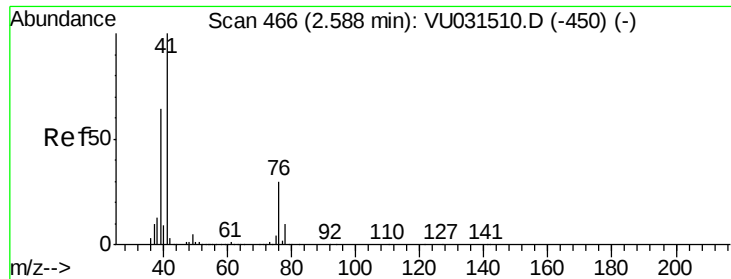
Tgt Ion: 142 Resp: 35614

Ion Ratio Lower Upper

142 100

127 48.4 38.2 57.2

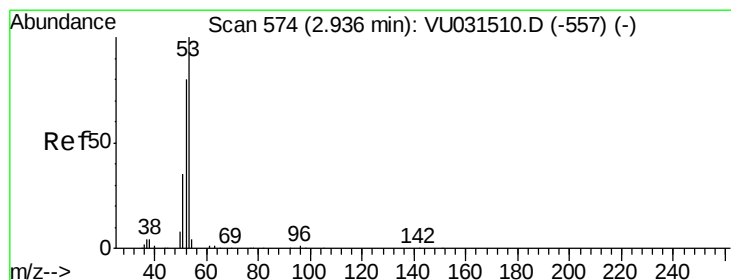
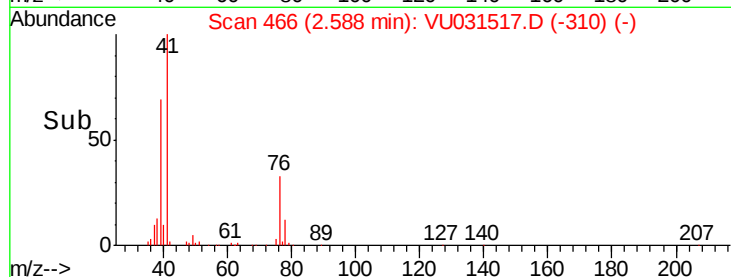
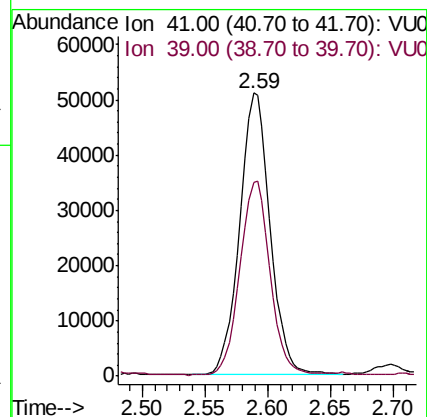
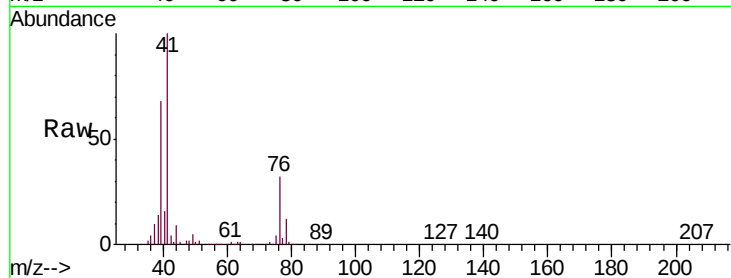




#11
 Allyl Chloride
 Concen: 1.914 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

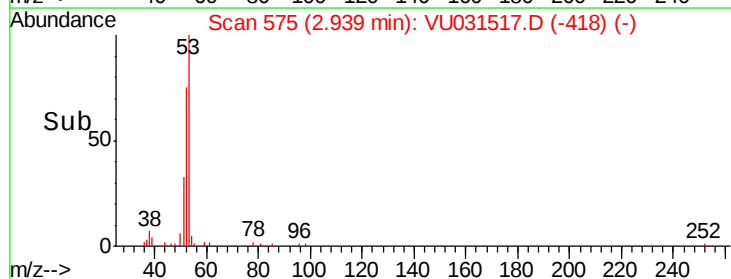
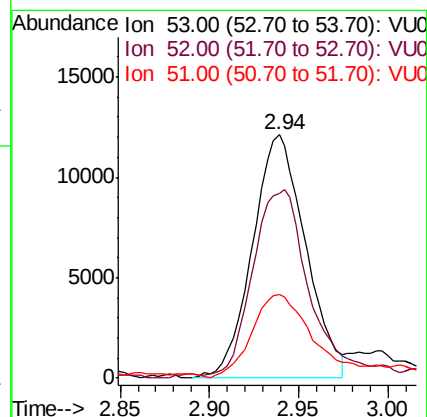
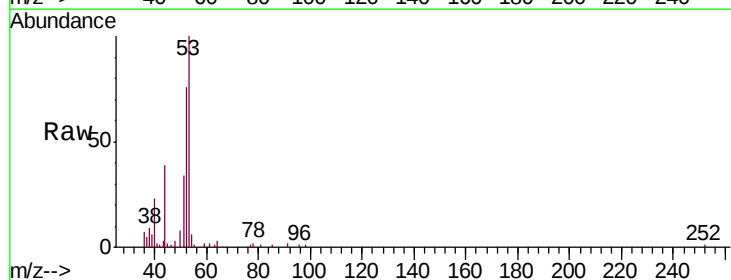
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0426WBSD01

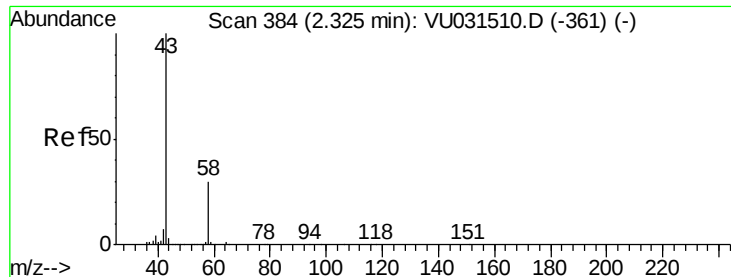
Tgt Ion: 41 Resp: 86305
 Ion Ratio Lower Upper
 41 100
 39 69.5 51.4 77.0



#12
 Acrylonitrile
 Concen: 4.040 ug/l
 RT: 2.94 min Scan# 575
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Tgt Ion: 53 Resp: 25190
 Ion Ratio Lower Upper
 53 100
 52 79.0 69.4 104.0
 51 39.5 27.5 41.3





#13

Acetone

Concen: 9.491 ug/l

RT: 2.33 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

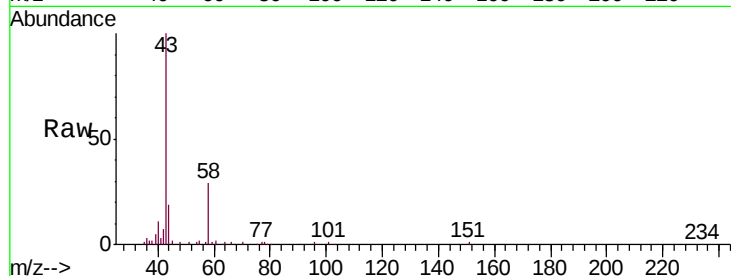
VU0426WBSD01

Tgt Ion: 43 Resp: 53924

Ion Ratio Lower Upper

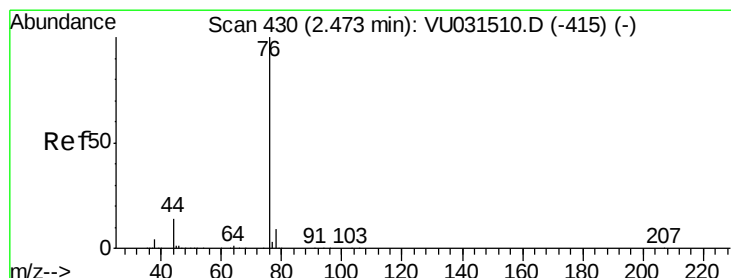
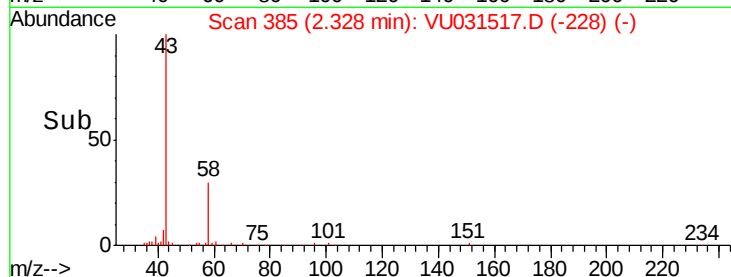
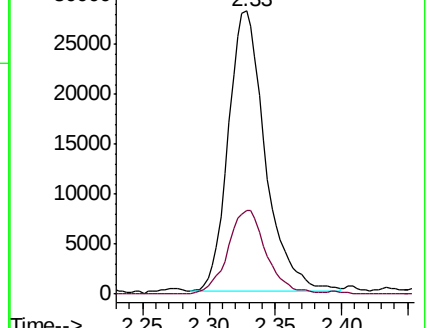
43 100

58 29.8 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VU031517.D (-228) (-)

Ion 58.00 (57.70 to 58.70): VU031517.D (-228) (-)



#14

Carbon Disulfide

Concen: 1.996 ug/l

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031517.D

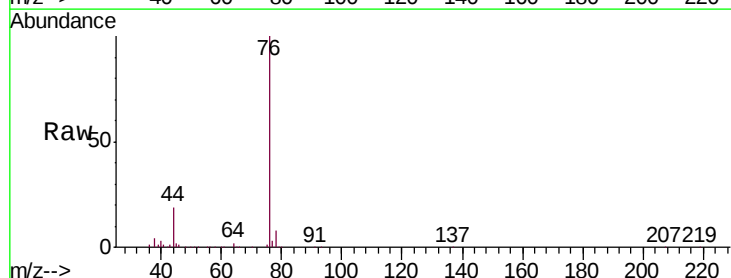
Acq: 26 Apr 2019 01:37

Tgt Ion: 76 Resp: 157657

Ion Ratio Lower Upper

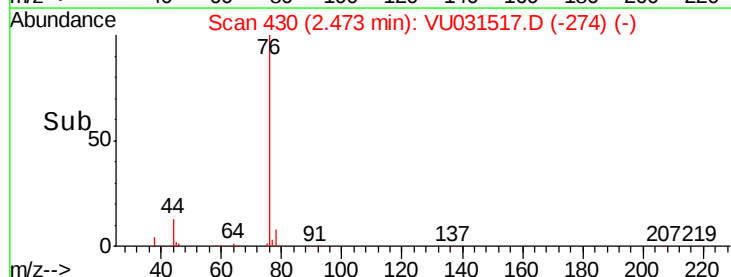
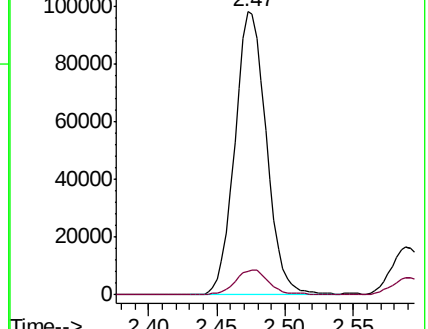
76 100

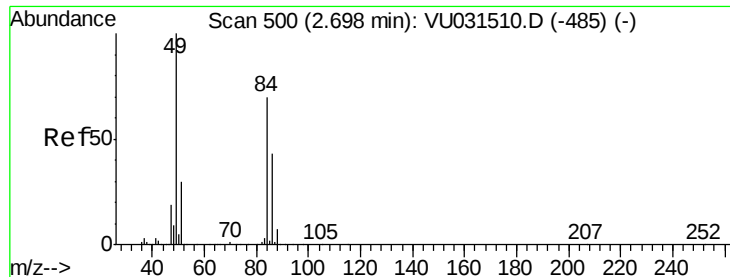
78 8.3 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU031517.D (-274) (-)

Ion 78.00 (77.70 to 78.70): VU031517.D (-274) (-)

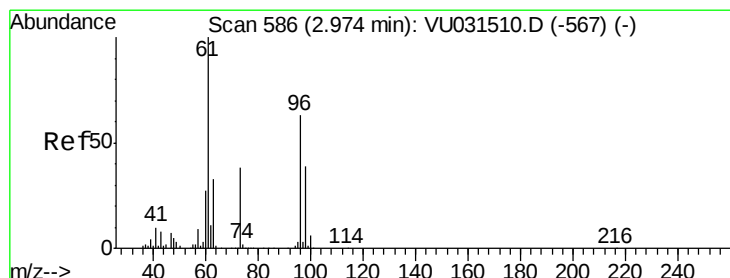
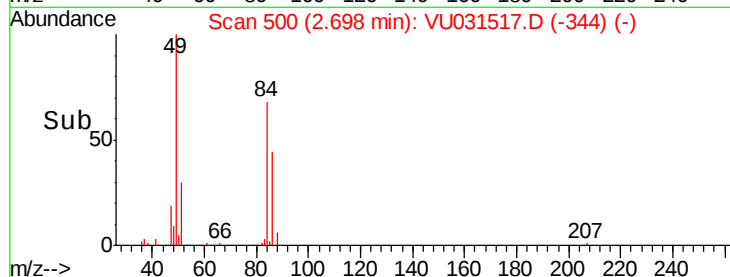
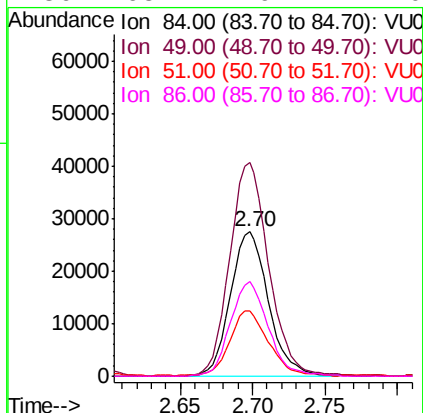
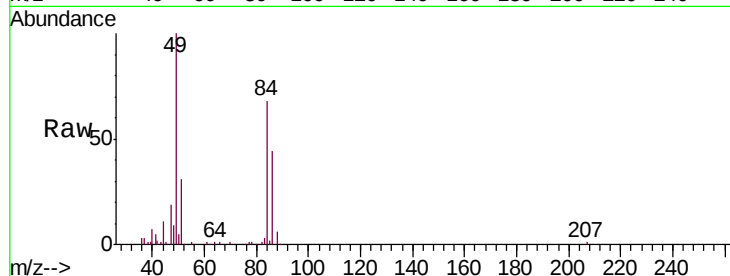




#15
Methylene Chloride
Concen: 1.926 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

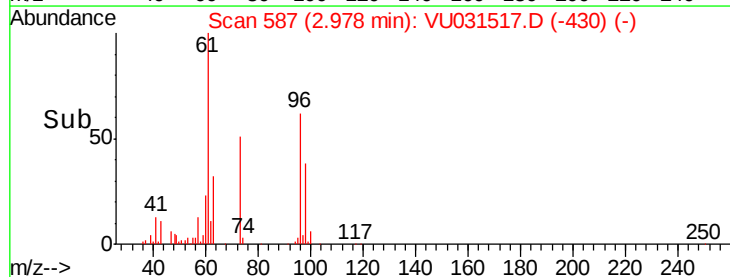
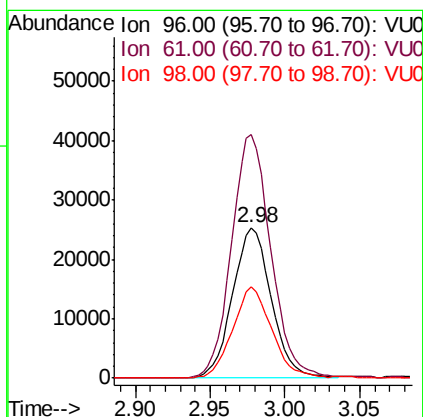
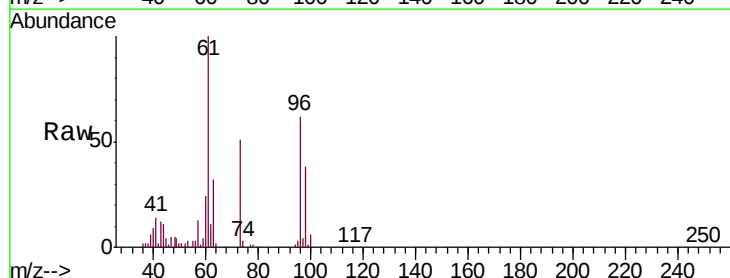
Instrument :
MSVOA_U
ClientSampleId :
VU0426WBSD01

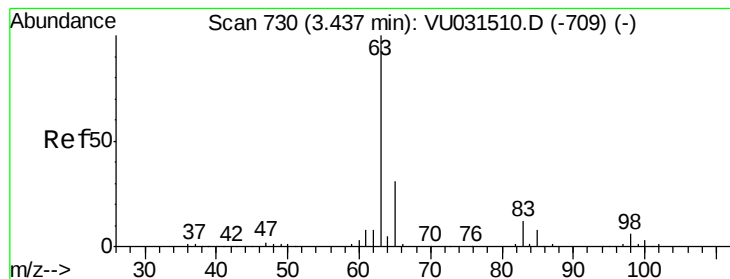
Tgt Ion: 84 Resp: 50250
Ion Ratio Lower Upper
84 100
49 147.5 113.6 170.4
51 45.4 0.0 85.6
86 65.4 49.4 74.0



#16
trans-1,2-Dichloroethene
Concen: 1.988 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Tgt Ion: 96 Resp: 45786
Ion Ratio Lower Upper
96 100
61 161.7 127.2 190.8
98 60.8 49.4 74.0





#17

1,1-Dichloroethane

Concen: 1.952 ug/l

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

VU0426WBSD01

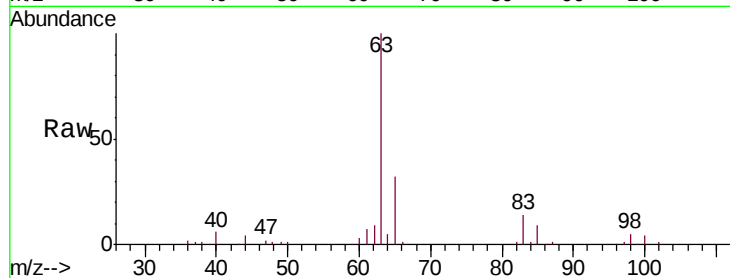
Tgt Ion: 63 Resp: 93711

Ion Ratio Lower Upper

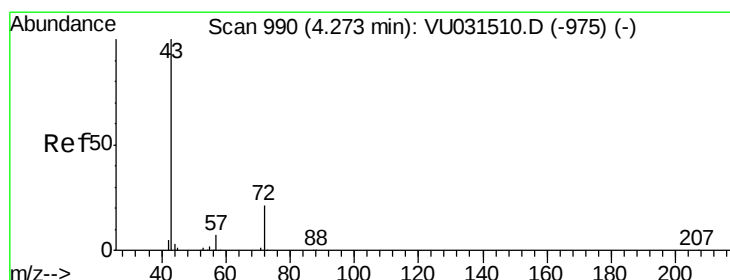
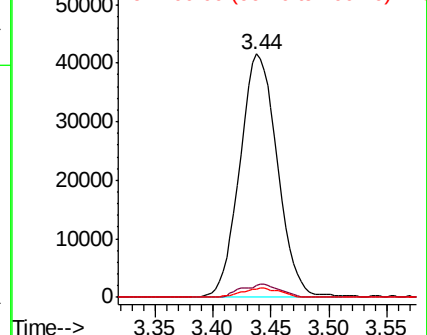
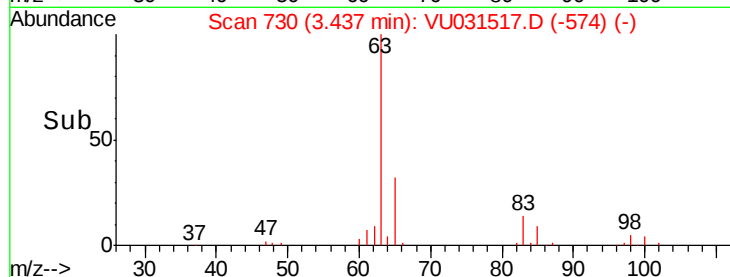
63 100

98 4.8 3.0 9.2

100 3.6 1.7 5.1



Abundance Ion 63.00 (62.70 to 63.70): VU031517.D (-574) (-)



#18

2-Butanone

Concen: 9.997 ug/l

RT: 4.28 min Scan# 992

Delta R.T. 0.01 min

Lab File: VU031517.D

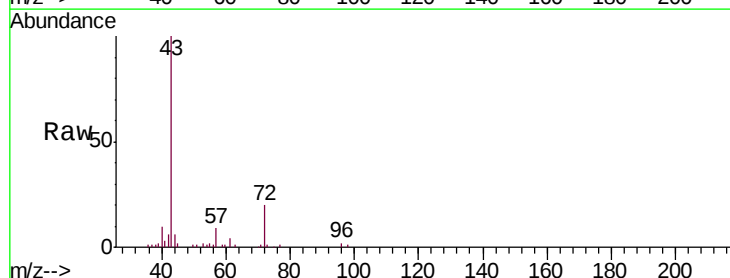
Acq: 26 Apr 2019 01:37

Tgt Ion: 43 Resp: 74214

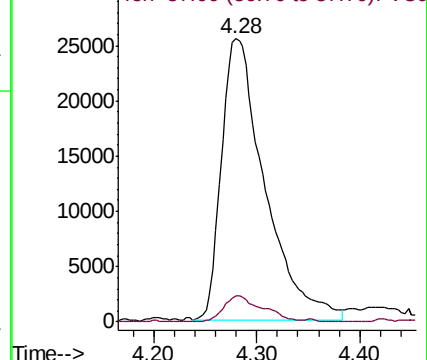
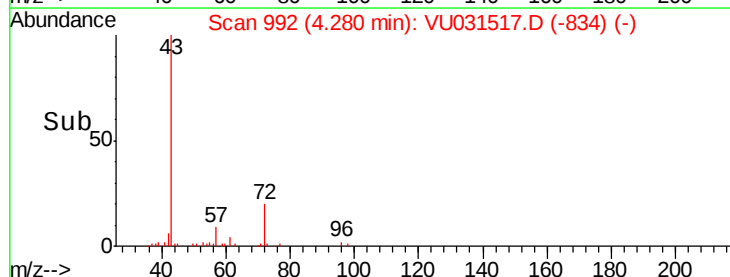
Ion Ratio Lower Upper

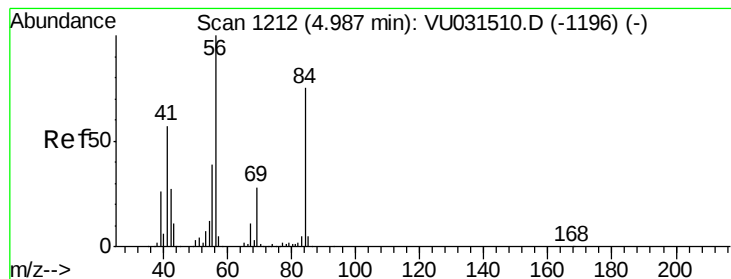
43 100

57 9.1 0.0 14.2



Abundance Ion 43.00 (42.70 to 43.70): VU031517.D (-834) (-)





#19

Cyclohexane

Concen: 1.590 ug/l

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

VU0426WBSD01

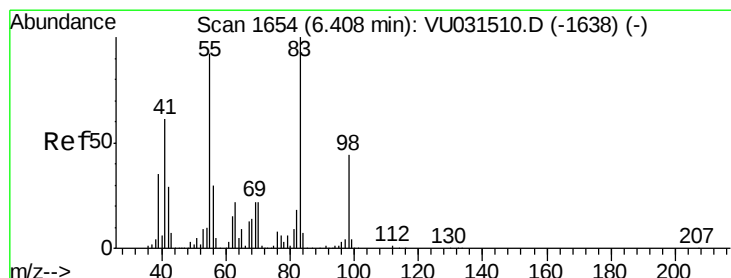
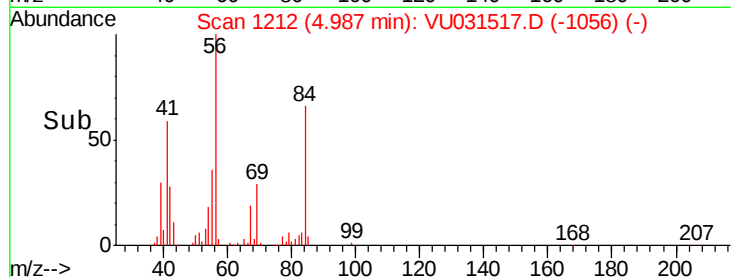
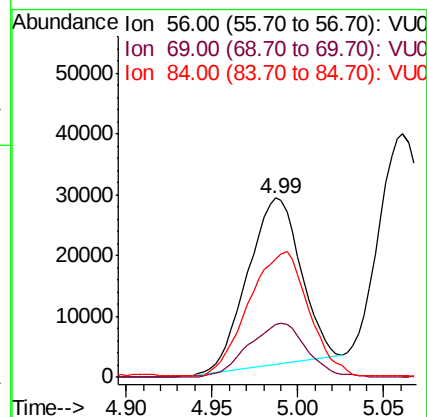
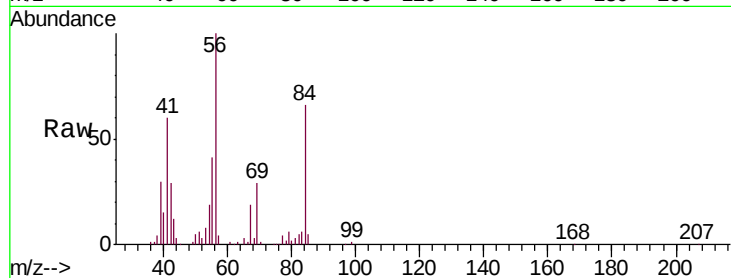
Tgt Ion: 56 Resp: 58771

Ion Ratio Lower Upper

56 100

69 35.9 22.4 33.6#

84 84.3 59.0 88.4



#20

Methylcyclohexane

Concen: 1.854 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

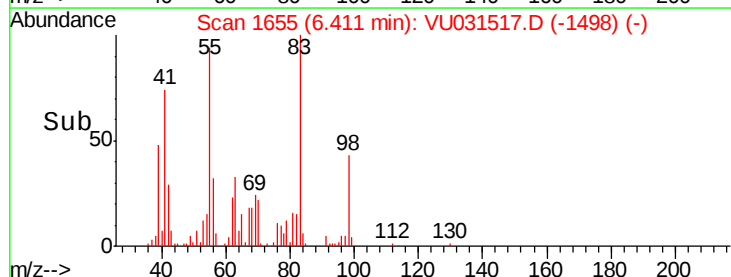
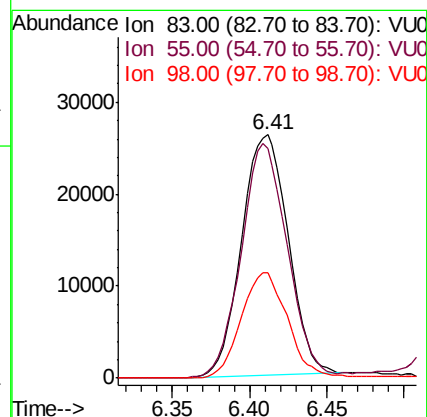
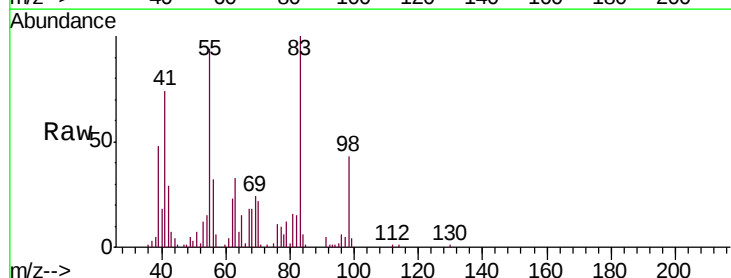
Tgt Ion: 83 Resp: 54997

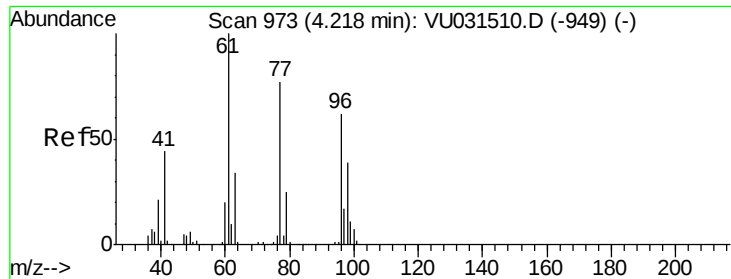
Ion Ratio Lower Upper

83 100

55 93.9 73.7 110.5

98 42.7 35.2 52.8

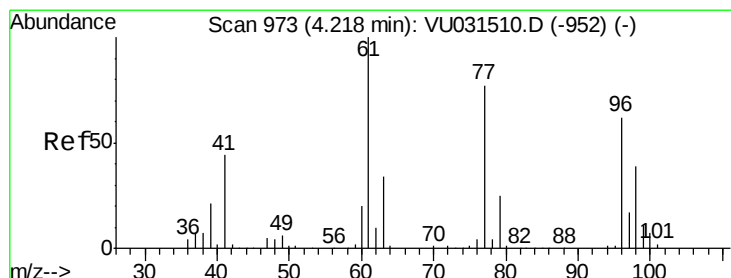
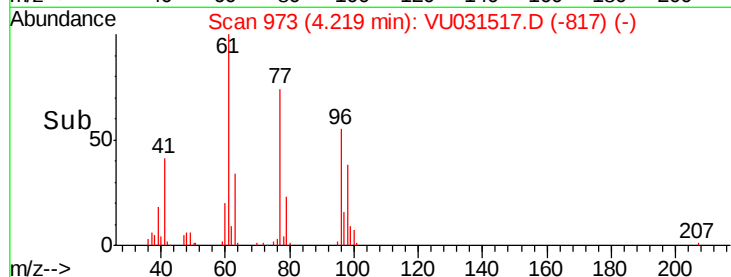
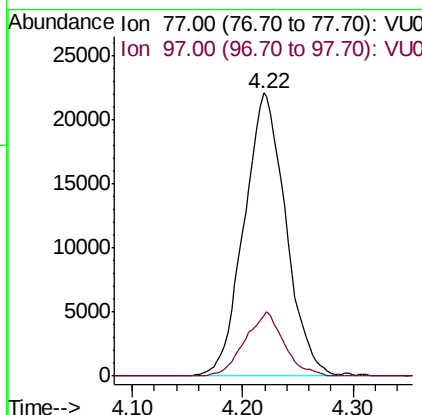
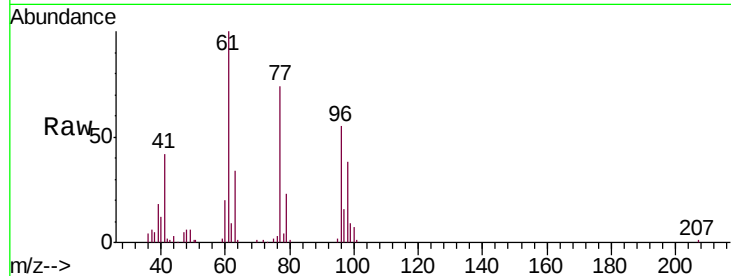




#21
 2,2-Dichloropropane
 Concen: 1.650 ug/l
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

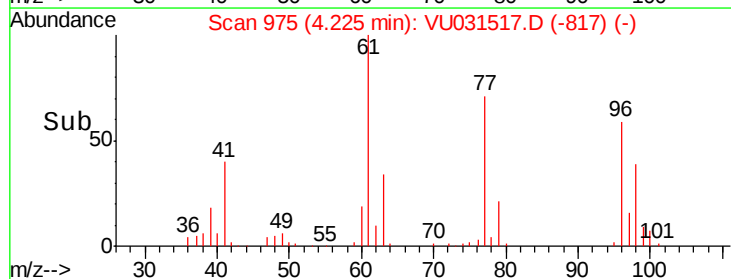
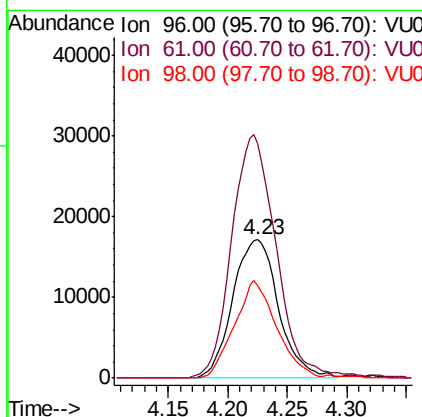
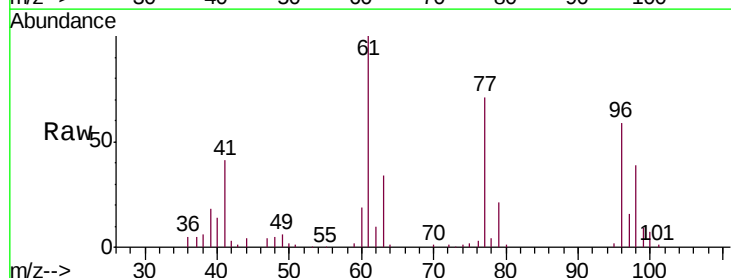
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0426WBSD01

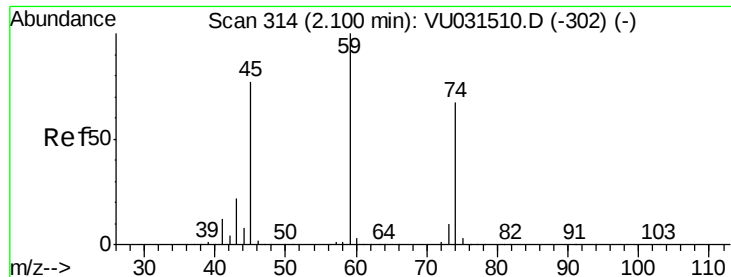
Tgt Ion: 77 Resp: 57871
 Ion Ratio Lower Upper
 77 100
 97 21.3 17.5 26.3



#22
 cis-1,2-Dichloroethene
 Concen: 1.857 ug/l
 RT: 4.23 min Scan# 975
 Delta R.T. 0.01 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Tgt Ion: 96 Resp: 45727
 Ion Ratio Lower Upper
 96 100
 61 170.5 0.0 408.8
 98 64.7 31.1 93.3

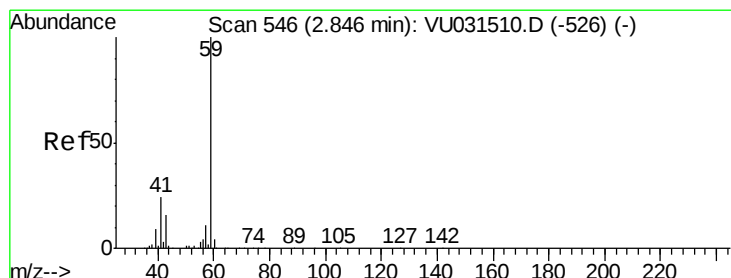
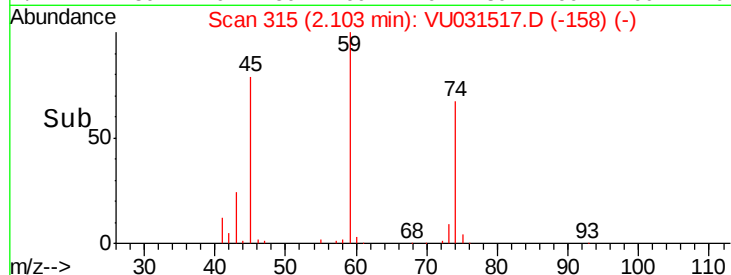
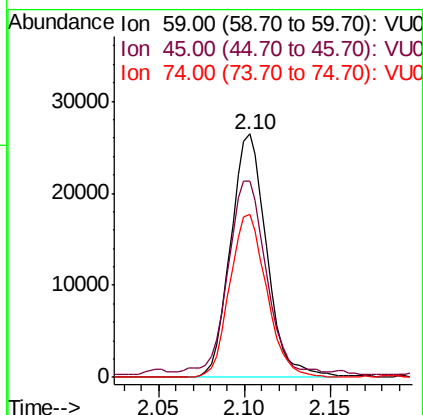
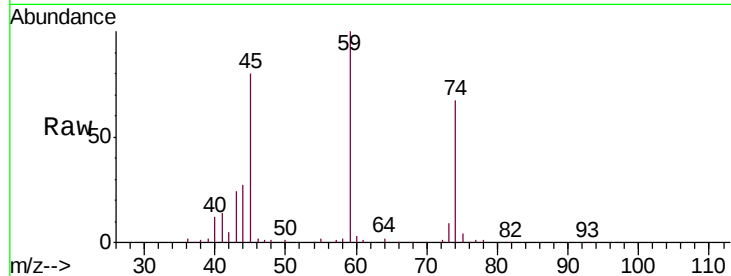




#23
Diethyl Ether
Concen: 1.954 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

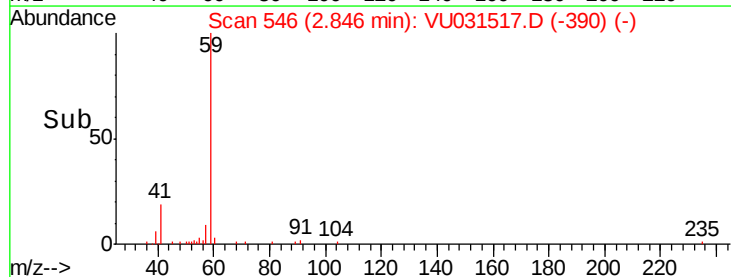
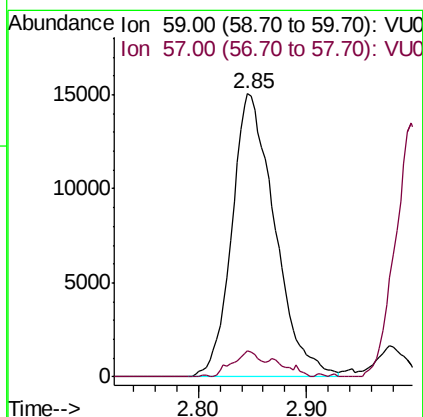
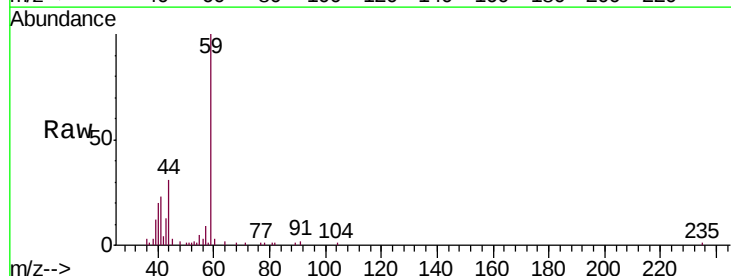
Instrument :
MSVOA_U
ClientSampleId :
VU0426WBSD01

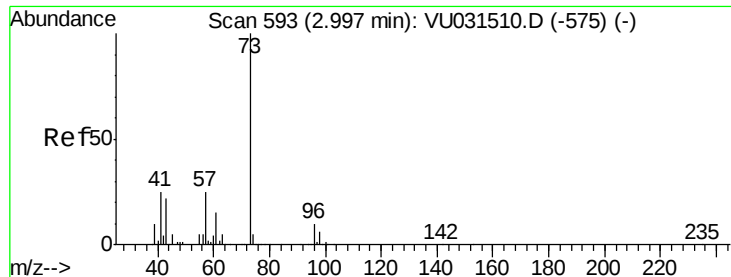
Tgt Ion: 59 Resp: 38542
Ion Ratio Lower Upper
59 100
45 81.4 64.5 96.7
74 68.3 54.6 81.8



#24
tert-Butyl Alcohol
Concen: 20.361 ug/l
RT: 2.85 min Scan# 546
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Tgt Ion: 59 Resp: 41650
Ion Ratio Lower Upper
59 100
57 6.0 8.2 12.2#



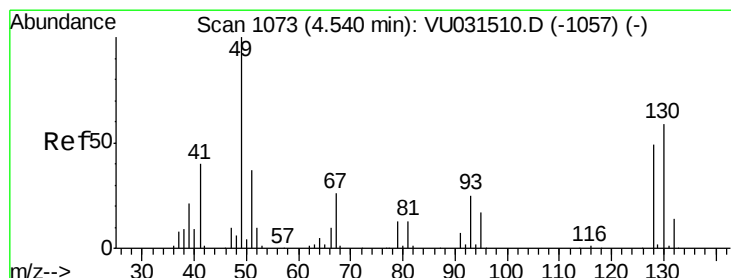
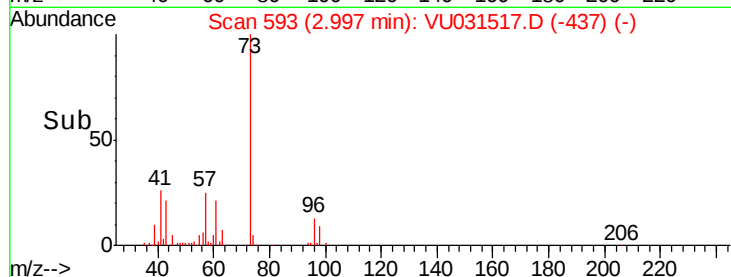
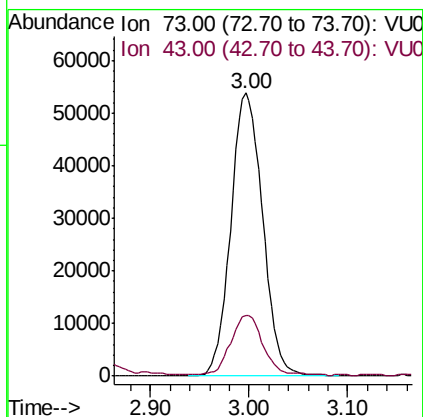
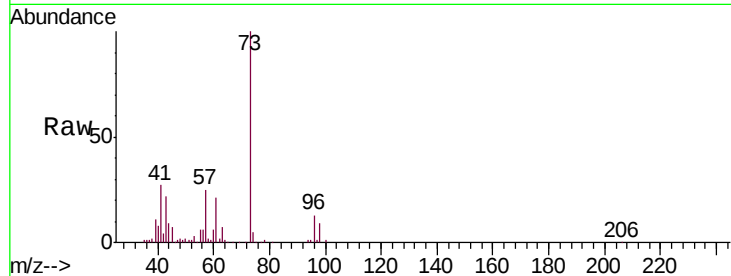


#25

Methyl tert-Butyl Ether
 Concen: 2.020 ug/l
 RT: 3.00 min Scan# 593
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0426WBSD01

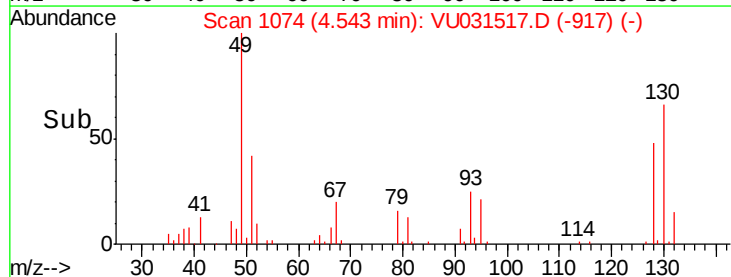
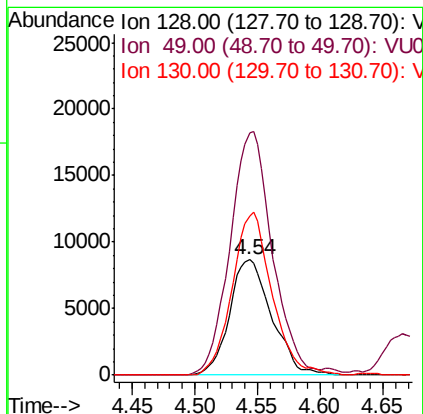
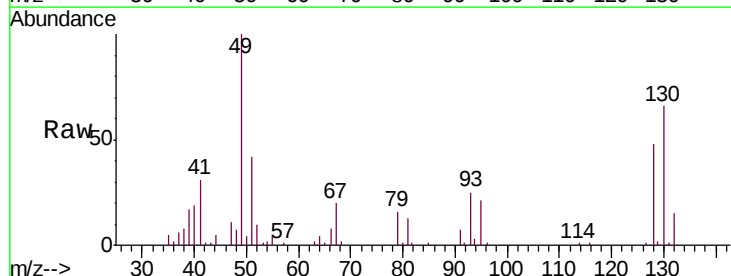
Tgt Ion: 73 Resp: 121071
 Ion Ratio Lower Upper
 73 100
 43 20.4 16.9 25.3

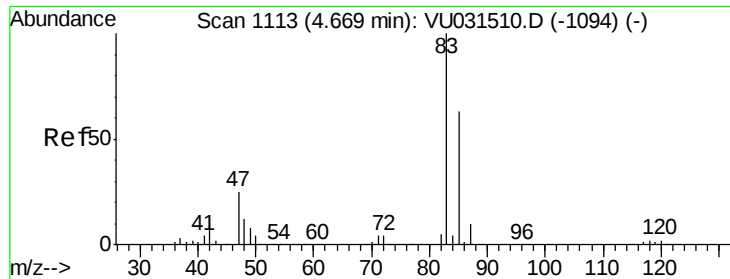


#26

Bromochloromethane
 Concen: 1.944 ug/l
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Tgt Ion: 128 Resp: 20230
 Ion Ratio Lower Upper
 128 100
 49 211.2 0.0 407.2
 130 133.4 101.4 152.2

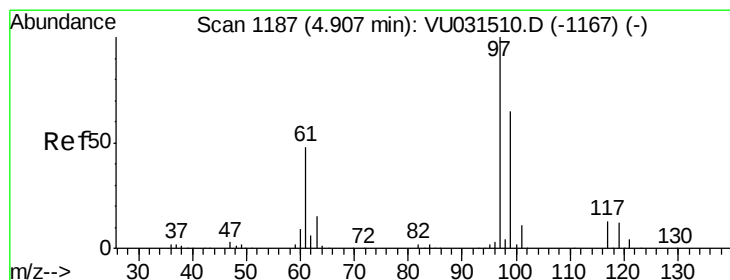
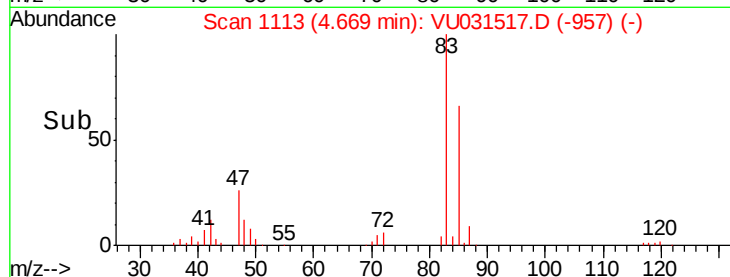
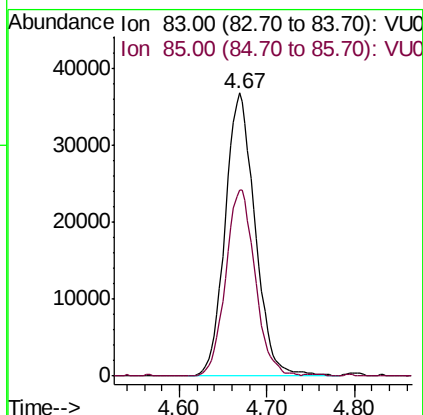
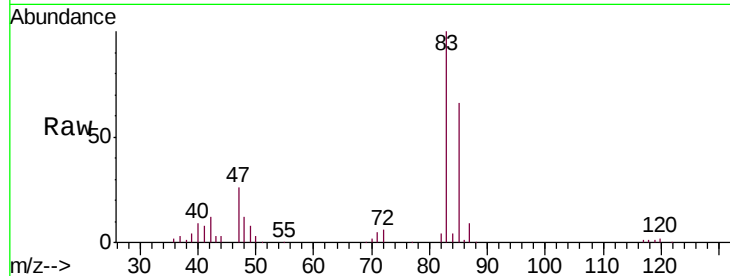




#27
Chloroform
Concen: 1.964 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

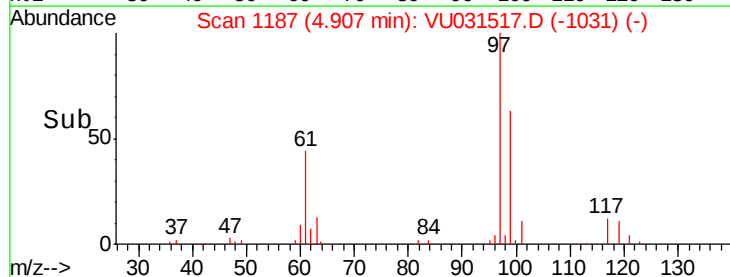
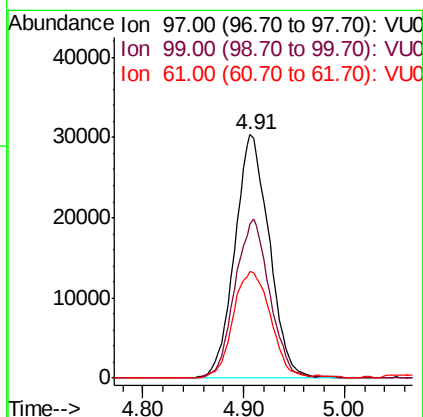
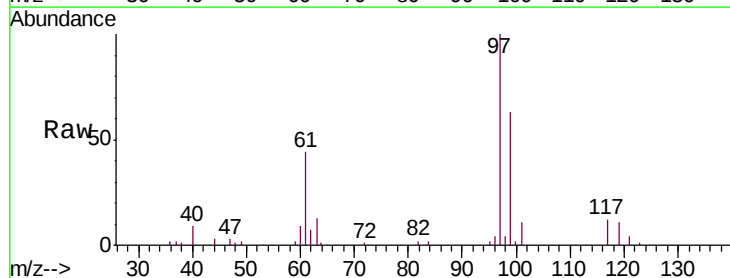
Instrument :
MSVOA_U
ClientSampleId :
VU0426WBSD01

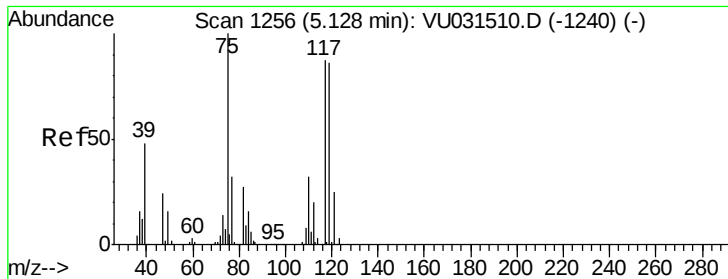
Tgt Ion: 83 Resp: 87387
Ion Ratio Lower Upper
83 100
85 65.6 0.0 126.2



#28
1,1,1-Trichloroethane
Concen: 1.920 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Tgt Ion: 97 Resp: 71976
Ion Ratio Lower Upper
97 100
99 65.7 32.0 96.2
61 47.4 24.0 72.0

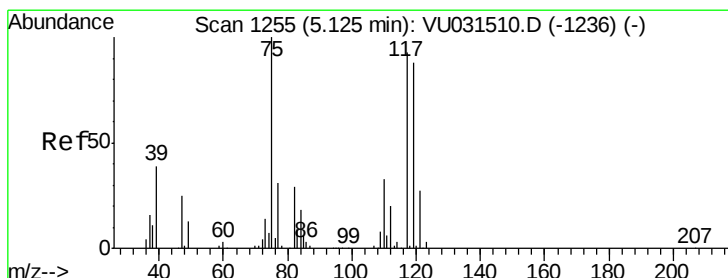
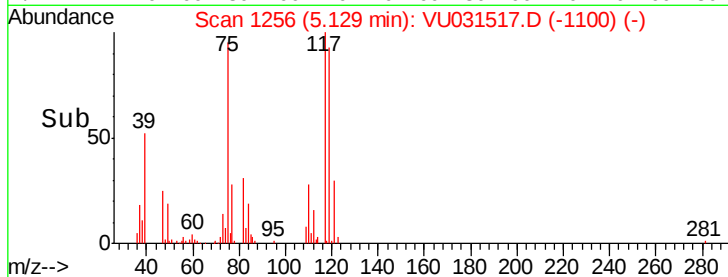
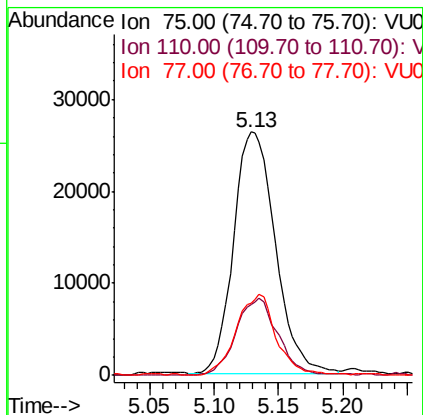
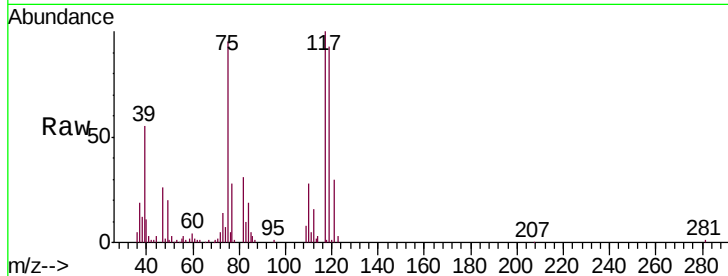




#29
 1,1-Dichloropropene
 Concen: 1.955 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

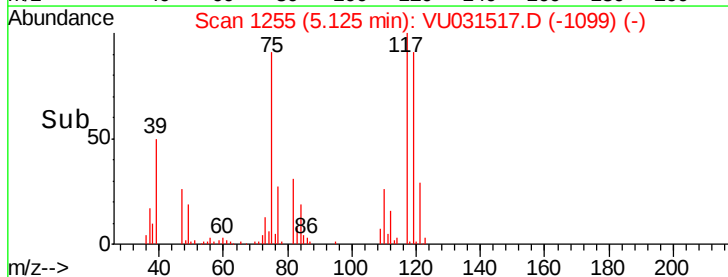
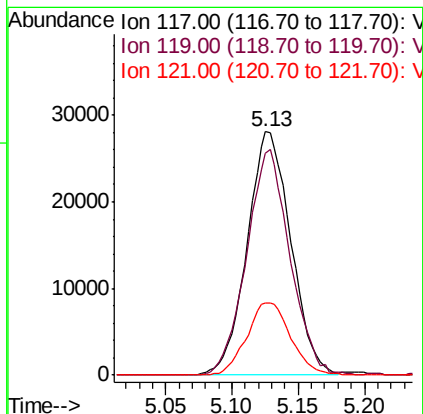
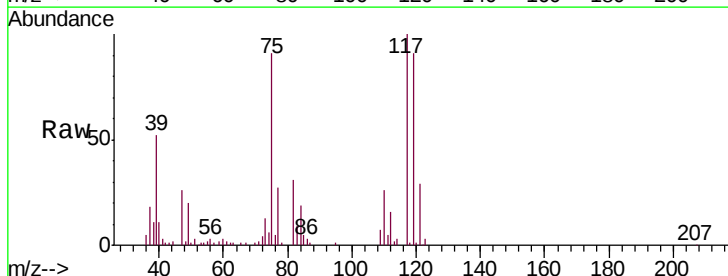
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0426WBSD01

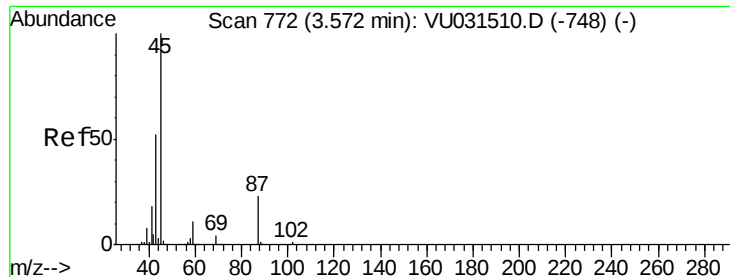
Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.8	16.4	49.1
77	31.8	25.0	37.6



#30
 Carbon Tetrachloride
 Concen: 2.015 ug/l
 RT: 5.13 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.0	76.1	114.1
121	29.4	23.3	34.9





#31

Isopropyl Ether

Concen: 1.955 ug/l

RT: 3.57 min Scan# 771

Delta R.T. -0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

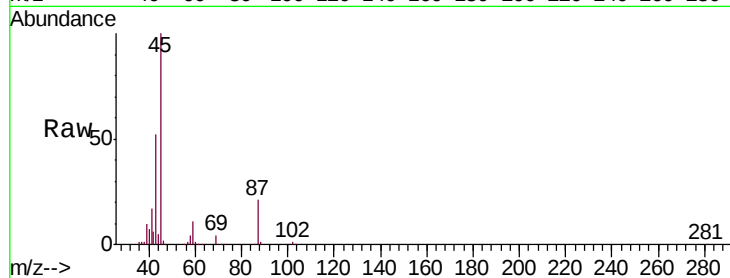
VU0426WBSD01

Tgt Ion: 45 Resp: 140591

Ion Ratio Lower Upper

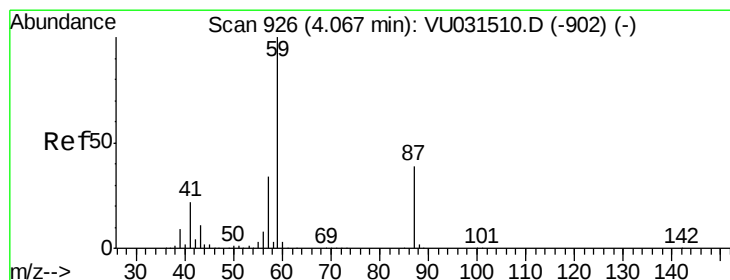
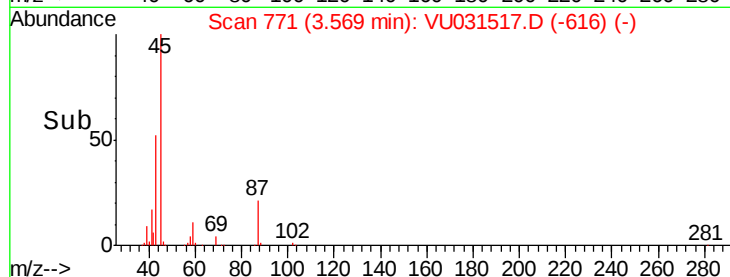
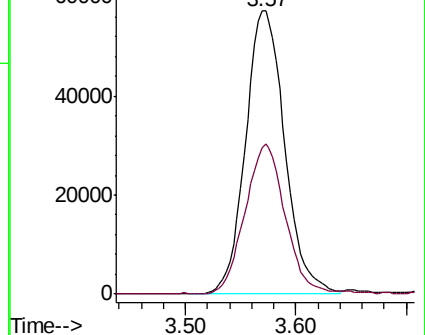
45 100

43 54.3 26.0 78.0



Abundance Ion 45.00 (44.70 to 45.70): VU031517.D (-748) (-)

Ion 43.00 (42.70 to 43.70): VU031517.D (-748) (-)



#32

Ethyl-t-butyl ether

Concen: 1.921 ug/l

RT: 4.06 min Scan# 925

Delta R.T. -0.00 min

Lab File: VU031517.D

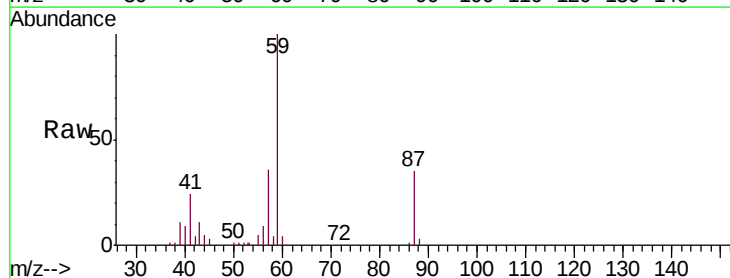
Acq: 26 Apr 2019 01:37

Tgt Ion: 59 Resp: 112107

Ion Ratio Lower Upper

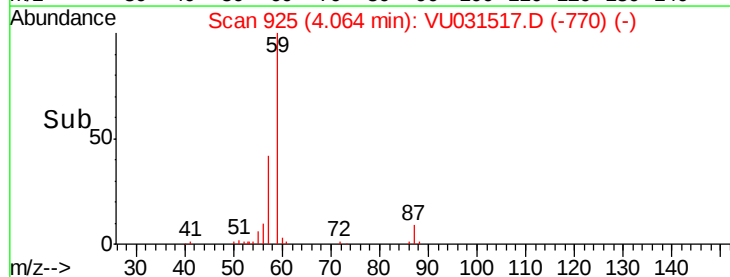
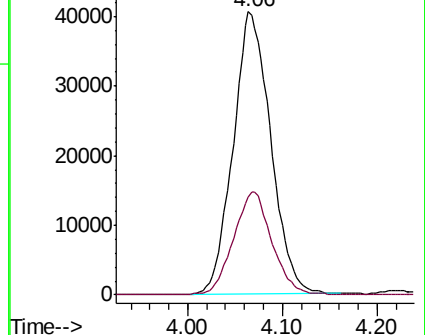
59 100

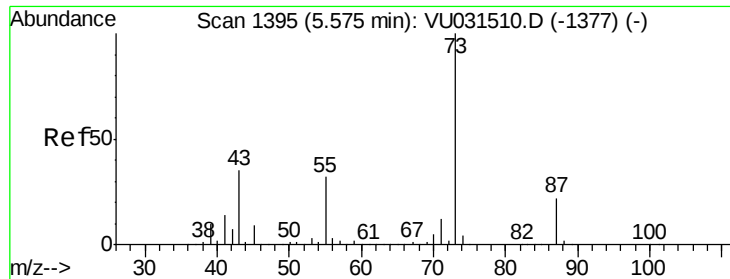
87 36.2 29.9 44.9



Abundance Ion 59.00 (58.70 to 59.70): VU031517.D (-770) (-)

Ion 87.00 (86.70 to 87.70): VU031517.D (-770) (-)

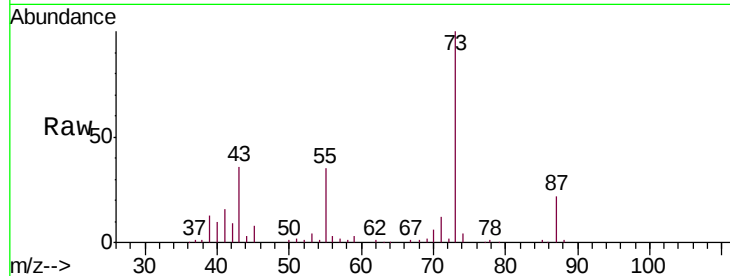




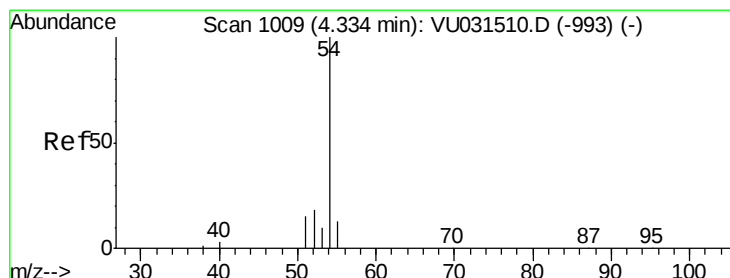
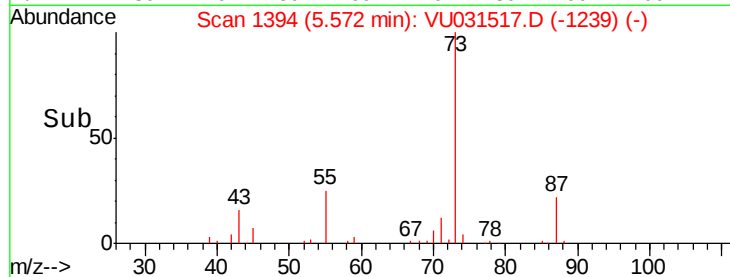
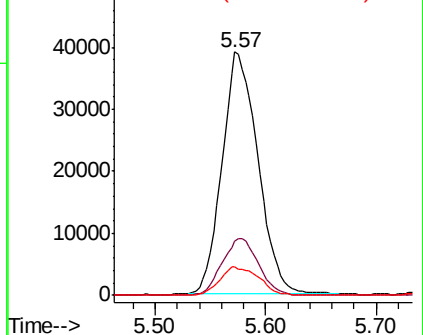
#33
 Tert-Amyl methyl ether
 Concen: 1.898 ug/l
 RT: 5.57 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0426WBSD01

Tgt Ion: 73 Resp: 88110
 Ion Ratio Lower Upper
 73 100
 87 23.6 18.2 27.2
 71 12.6 9.0 13.6

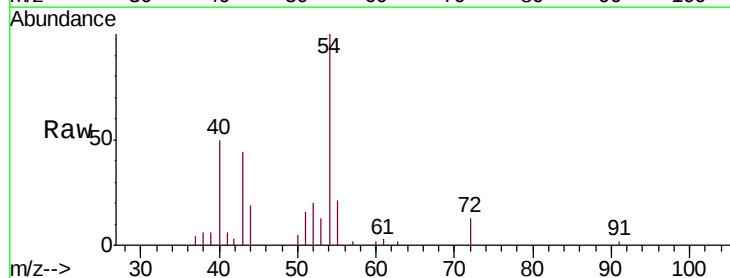


Abundance Ion 73.00 (72.70 to 73.70): VU0
 Ion 87.00 (86.70 to 87.70): VU0
 Ion 71.00 (70.70 to 71.70): VU0

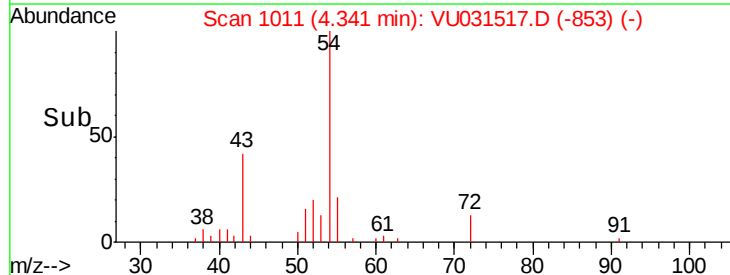
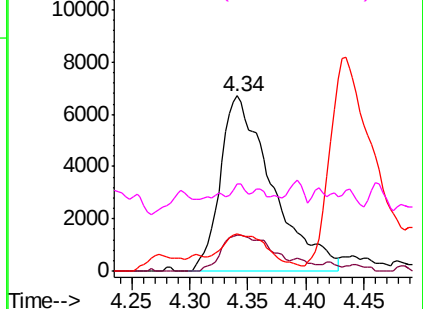


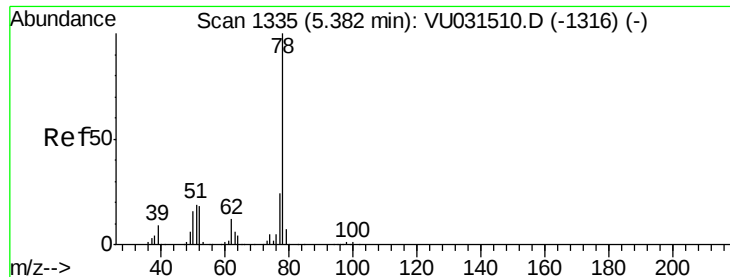
#34
 Propionitrile
 Concen: 10.447 ug/l
 RT: 4.34 min Scan# 1011
 Delta R.T. 0.01 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Tgt Ion: 54 Resp: 20803
 Ion Ratio Lower Upper
 54 100
 52 19.3 15.0 22.4
 55 15.2 13.5 20.3
 40 1.7 2.4 3.6#



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





#35

Benzene

Concen: 1.997 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

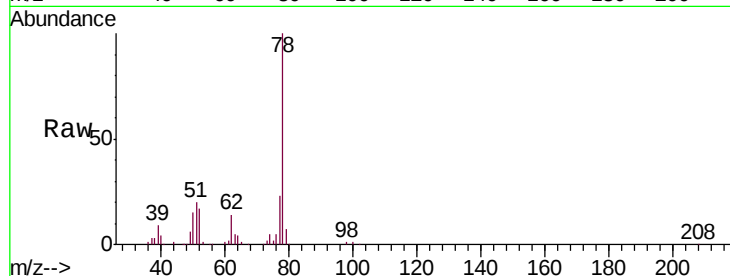
VU0426WBSD01

Tgt Ion: 78 Resp: 185434

Ion Ratio Lower Upper

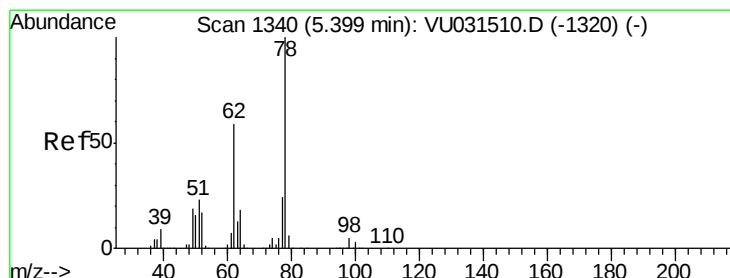
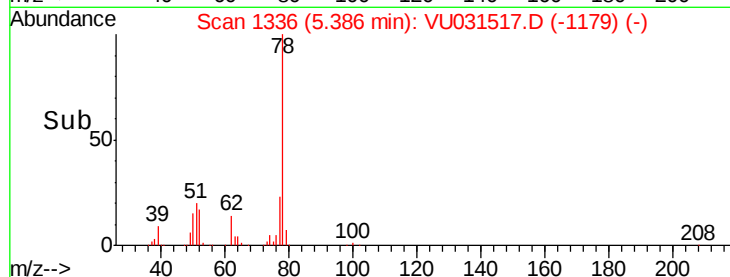
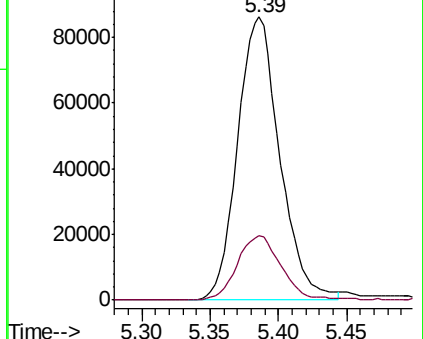
78 100

77 22.5 19.2 28.8



Abundance Ion 78.10 (77.80 to 78.80): VU031510.D (-1316) (-)

Ion 77.00 (76.70 to 77.70): VU031517.D (-1179) (-)



#36

1,2-Dichloroethane

Concen: 2.039 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU031517.D

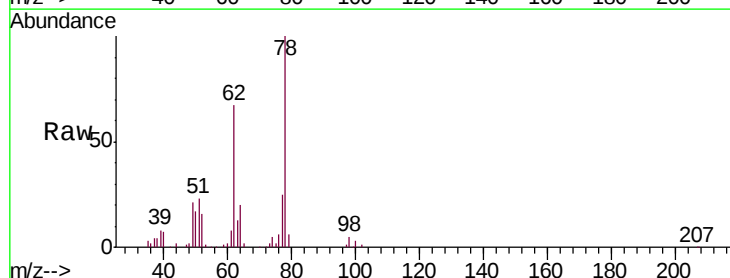
Acq: 26 Apr 2019 01:37

Tgt Ion: 62 Resp: 61687

Ion Ratio Lower Upper

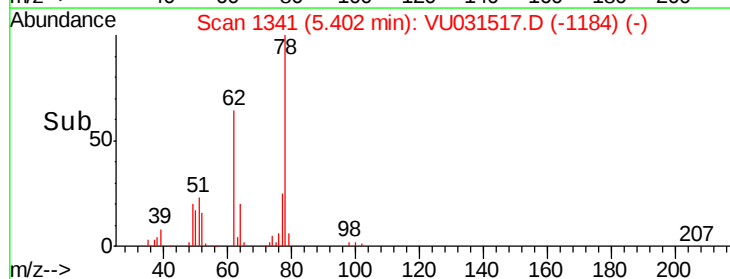
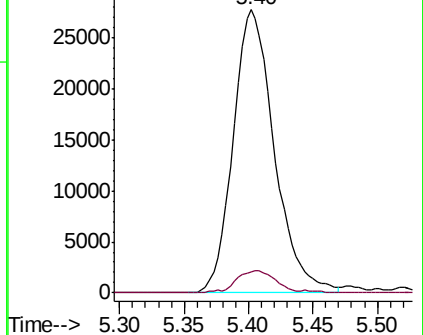
62 100

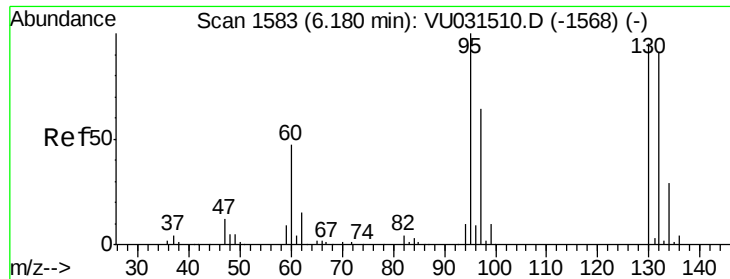
98 7.5 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VU031510.D (-1320) (-)

Ion 98.00 (97.70 to 98.70): VU031517.D (-1184) (-)





#37

Trichloroethene

Concen: 1.884 ug/l

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

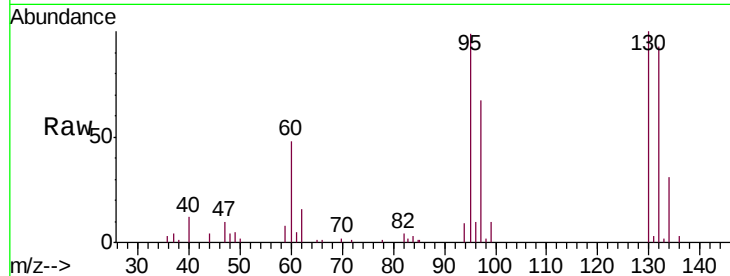
VU0426WBSD01

Tgt Ion:130 Resp: 42792

Ion Ratio Lower Upper

130 100

95 99.2 83.8 125.8



Abundance Ion 129.90 (129.60 to 130.60): VU031517.D (-1427) (-)

Ion 94.90 (94.60 to 95.60): VU031517.D (-1427) (-)

6.18

25000

20000

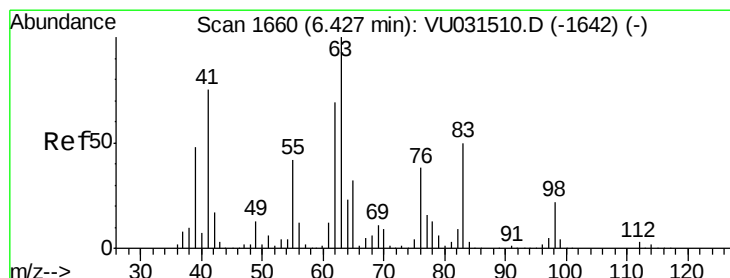
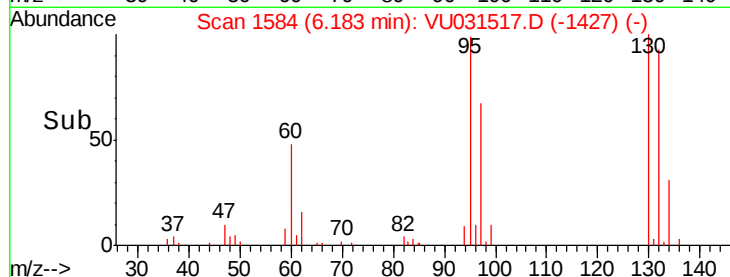
15000

10000

5000

0

Time--> 6.10 6.15 6.20 6.25



#38

1,2-Dichloropropane

Concen: 1.951 ug/l

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU031517.D

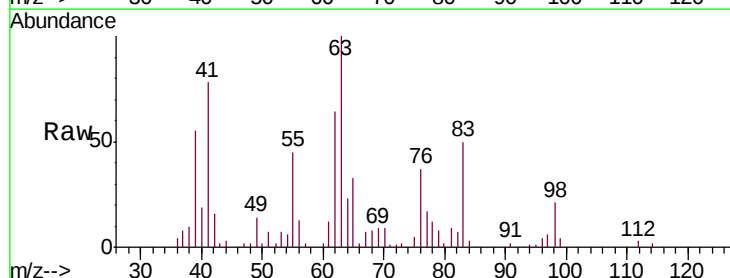
Acq: 26 Apr 2019 01:37

Tgt Ion: 63 Resp: 51192

Ion Ratio Lower Upper

63 100

65 32.6 25.3 37.9



Abundance Ion 63.00 (62.70 to 63.70): VU031517.D (-1504) (-)

Ion 65.00 (64.70 to 65.70): VU031517.D (-1504) (-)

6.43

25000

20000

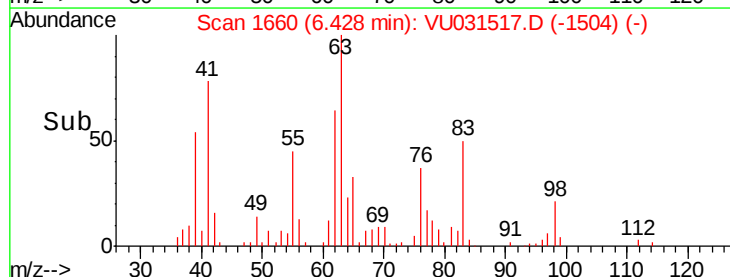
15000

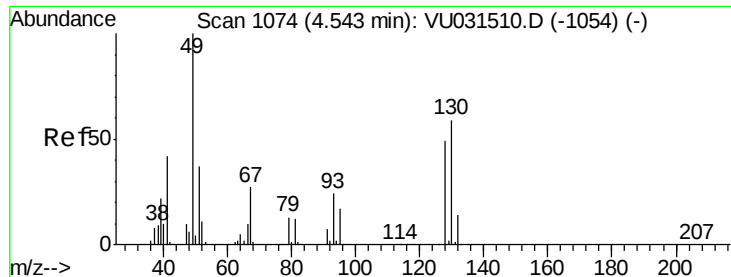
10000

5000

0

Time--> 6.35 6.40 6.45 6.50

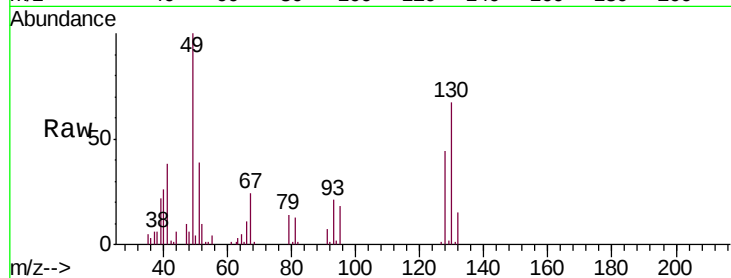




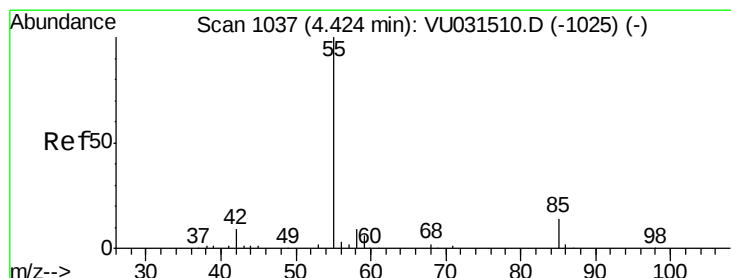
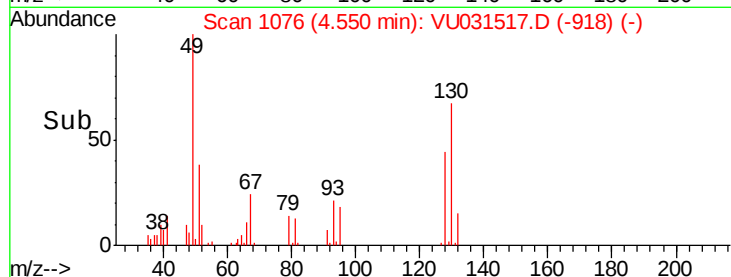
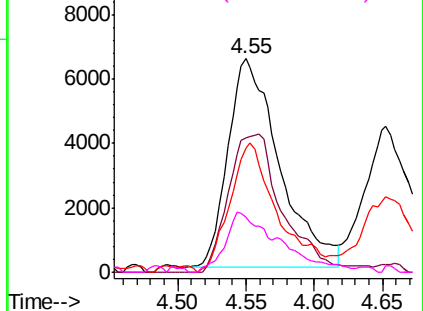
#39
Methacrylonitrile
Concen: 2.033 ug/l
RT: 4.55 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Instrument :
MSVOA_U
ClientSampleId :
VU0426WBSD01

Tgt Ion:	41	Resp:	16988
Ion	Ratio	Lower	Upper
41	100		
67	68.7	54.2	81.4
39	56.9	43.8	65.8
52	30.4	21.8	32.8

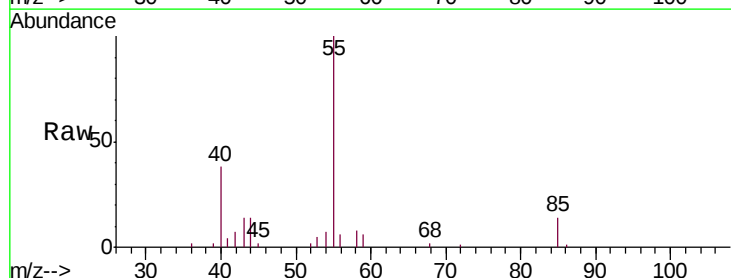


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

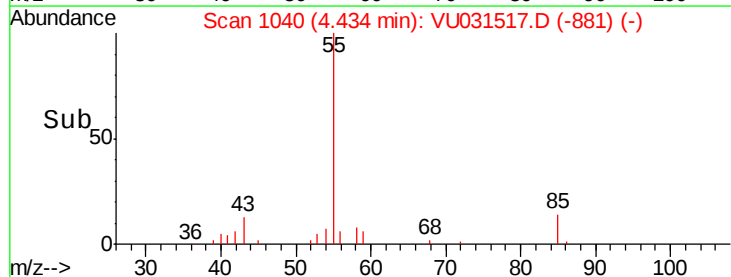
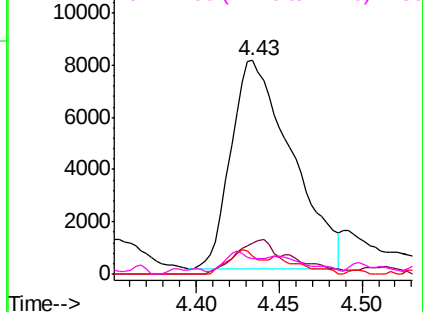


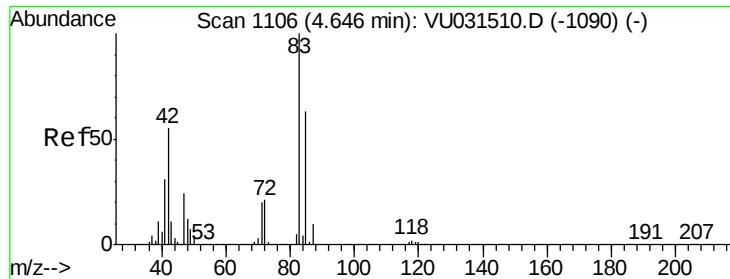
#40
Methyl acrylate
Concen: 1.849 ug/l
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Tgt Ion:	55	Resp:	20322
Ion	Ratio	Lower	Upper
55	100		
85	15.1	11.5	17.3
58	5.7	6.5	9.7#
42	4.2	7.4	11.2#



Abundance Ion 55.00 (54.70 to 55.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 42.00 (41.70 to 42.70): VU0





#41

Tetrahydrofuran

Concen: 4.098 ug/l

RT: 4.65 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

VU0426WBSD01

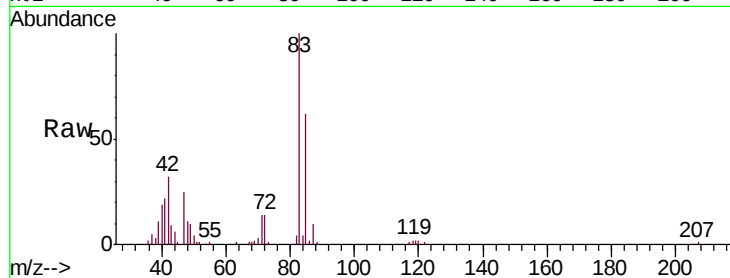
Tgt Ion: 42 Resp: 18758

Ion Ratio Lower Upper

42 100

72 39.5 32.1 48.1

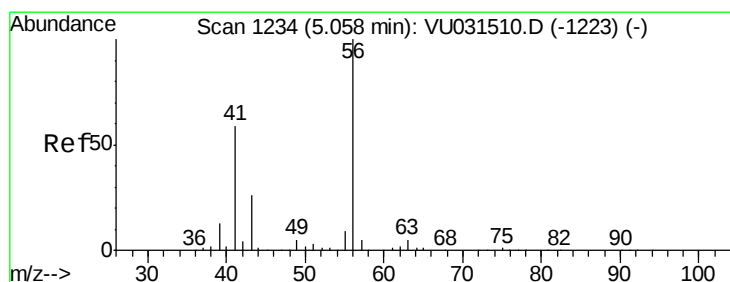
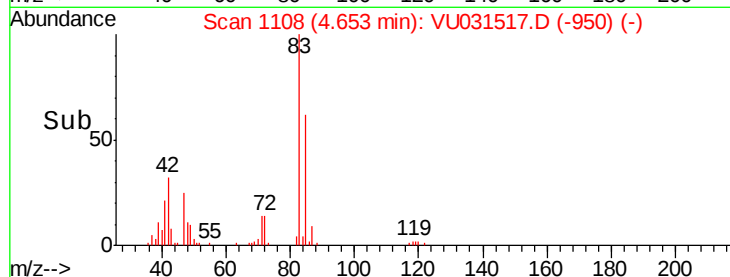
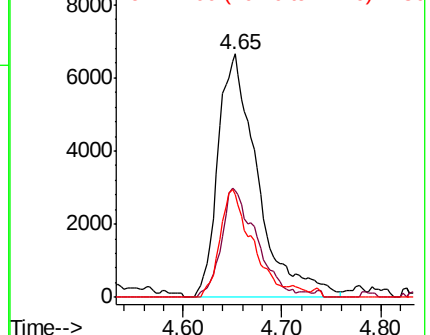
71 35.6 29.2 43.8



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 1.882 ug/l

RT: 5.06 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VU031517.D

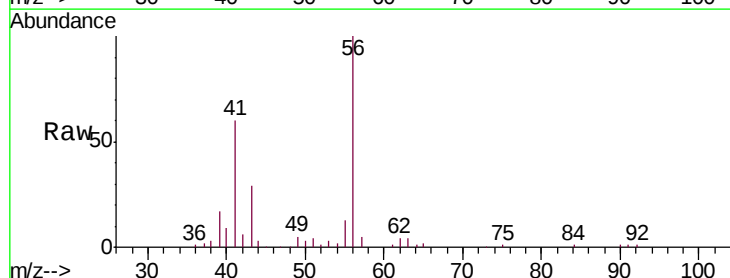
Acq: 26 Apr 2019 01:37

Tgt Ion: 56 Resp: 86658

Ion Ratio Lower Upper

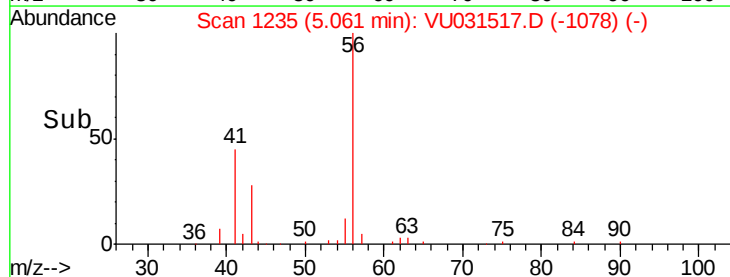
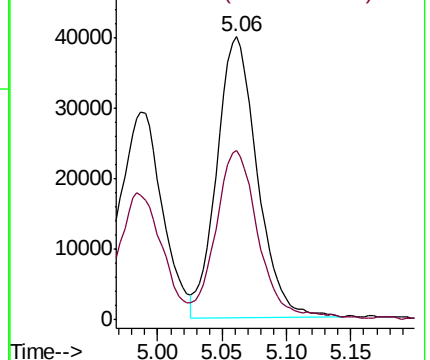
56 100

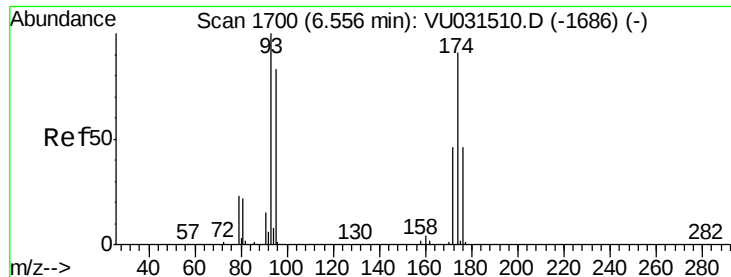
41 62.8 29.3 88.0



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 1.971 ug/l

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

VU0426WBSD01

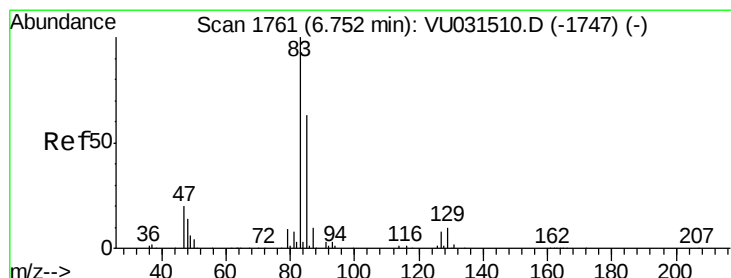
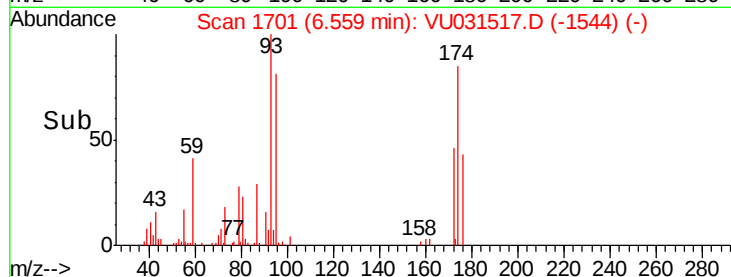
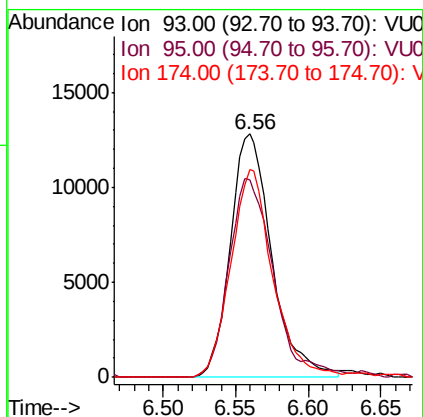
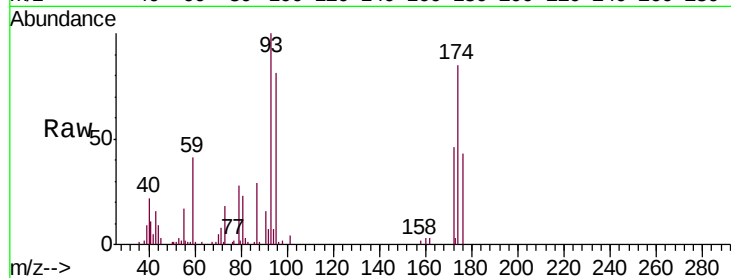
Tgt Ion: 93 Resp: 25412

Ion Ratio Lower Upper

93 100

95 87.9 65.7 98.5

174 86.3 71.8 107.8



#44

Bromodichloromethane

Concen: 1.967 ug/l

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

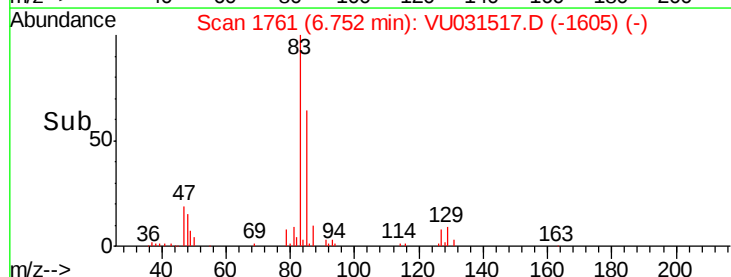
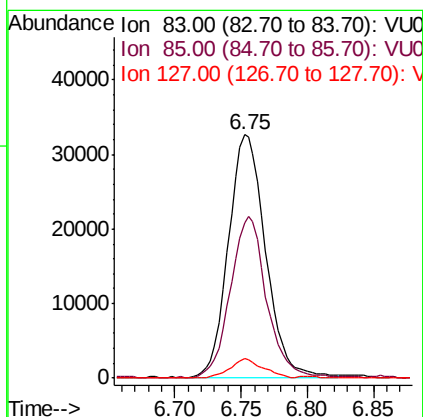
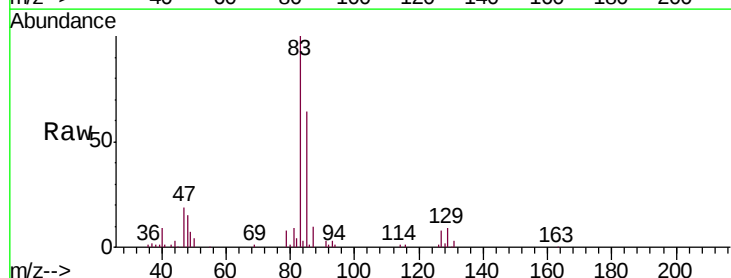
Tgt Ion: 83 Resp: 62996

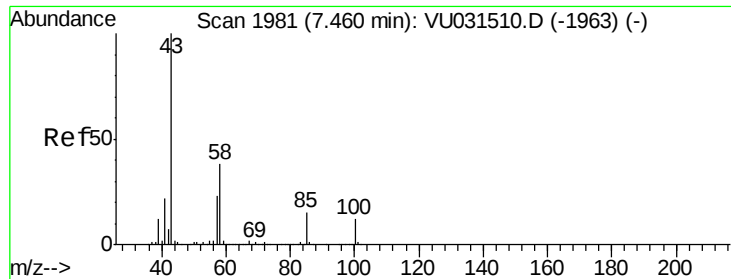
Ion Ratio Lower Upper

83 100

85 64.1 50.3 75.5

127 8.0 6.6 9.8

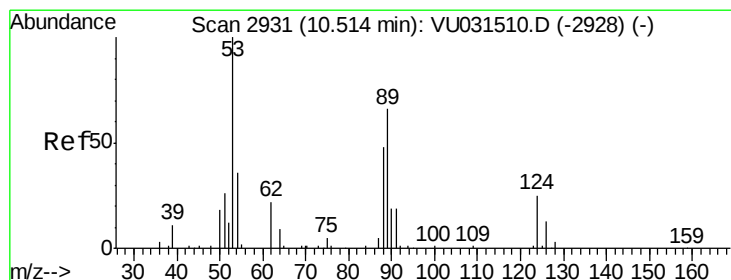
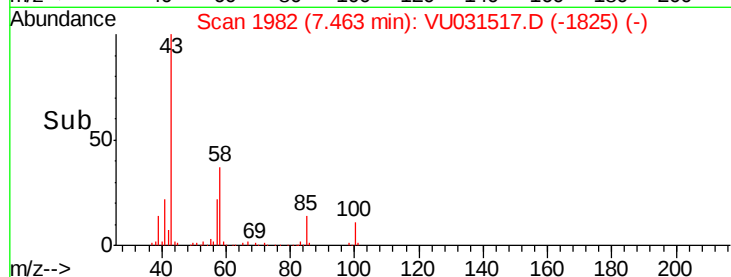
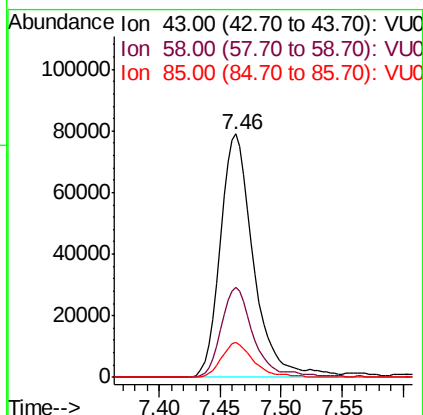
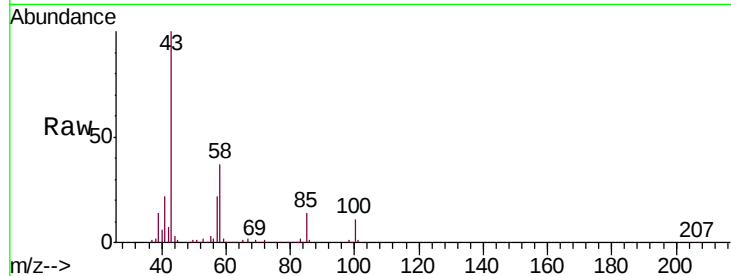




#45
 4-Methyl-2-Pentanone
 Concen: 9.751 ug/l
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

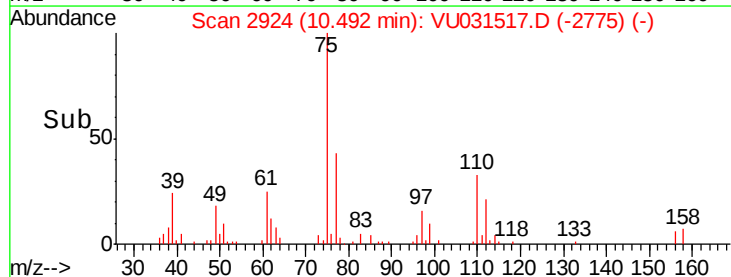
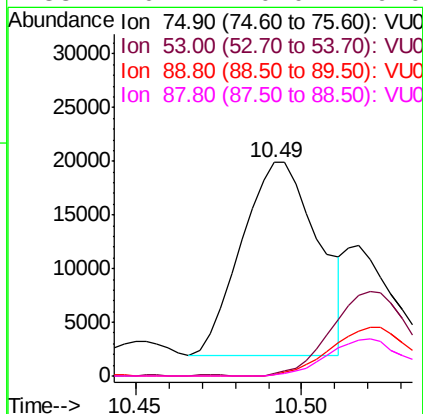
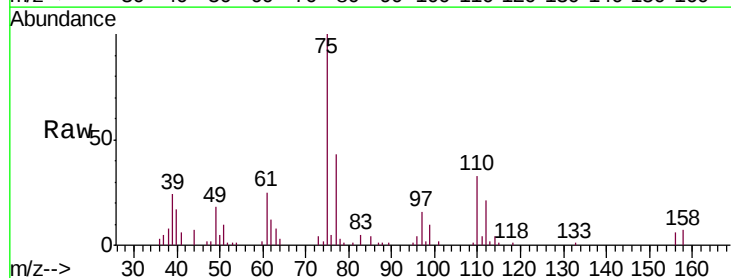
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0426WBSD01

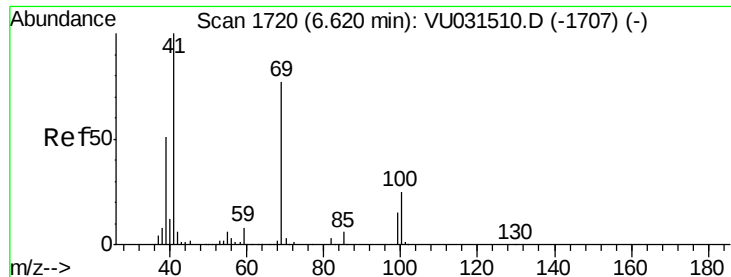
Tgt Ion: 43 Resp: 150454
 Ion Ratio Lower Upper
 43 100
 58 36.2 18.7 56.1
 85 14.0 12.1 18.1



#46
 t-1,4-Dichloro-2-butene
 Concen: 6.115 ug/l
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.02 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Tgt Ion: 75 Resp: 28952
 Ion Ratio Lower Upper
 75 100
 53 47.2 63.8 95.8#
 89 28.4 38.6 57.8#
 88 20.7 0.0 0.0#

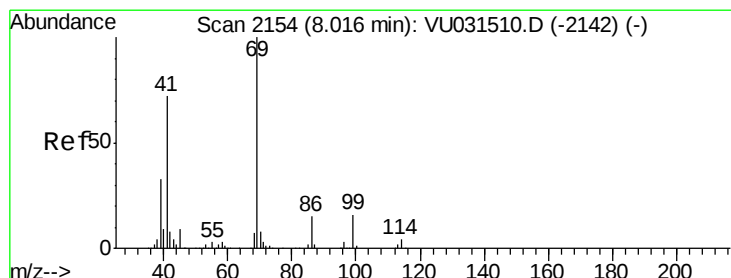
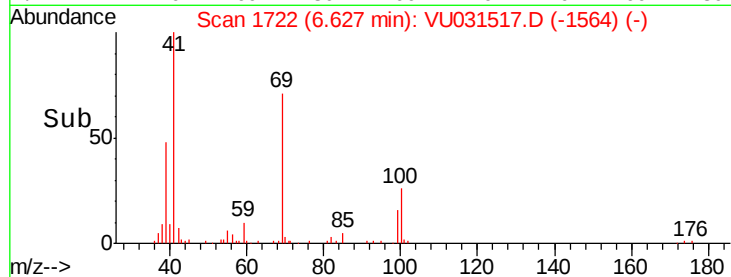
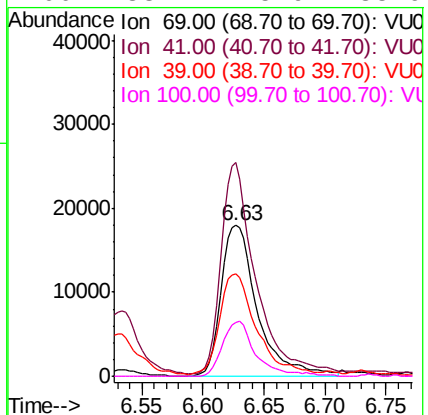
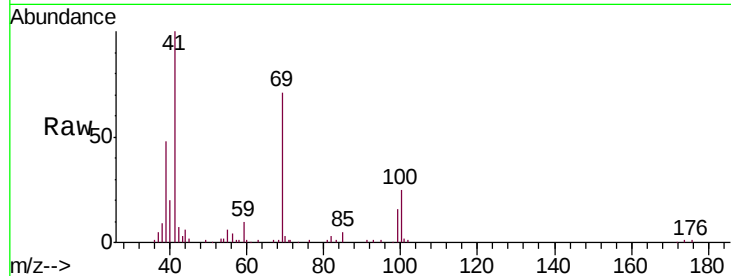




#47
Methyl methacrylate
Concen: 3.771 ug/l
RT: 6.63 min Scan# 1722
Delta R.T. 0.01 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

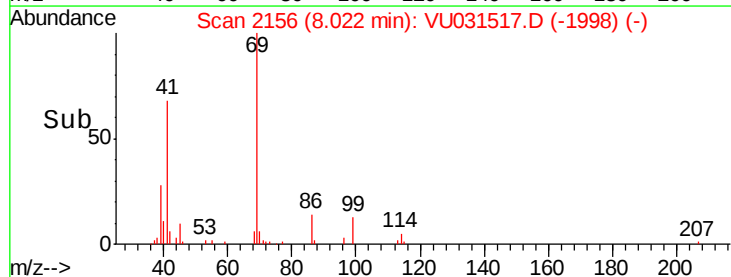
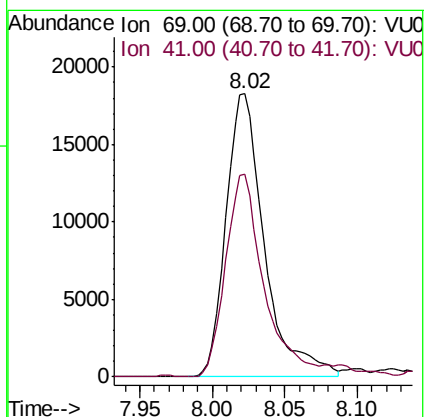
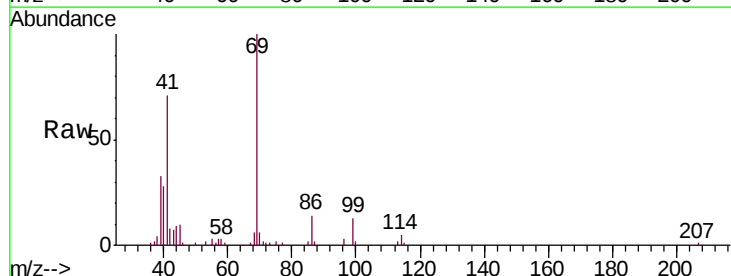
Instrument :
MSVOA_U
ClientSampleId :
VU0426WBSD01

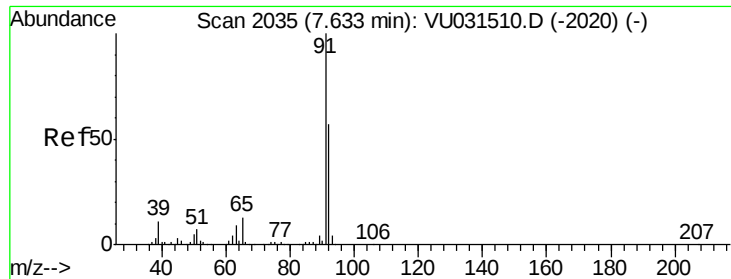
Tgt Ion: 69 Resp: 37559
Ion Ratio Lower Upper
69 100
41 132.6 0.0 256.4
39 66.7 52.2 78.4
100 33.1 25.9 38.9



#48
Ethyl methacrylate
Concen: 1.935 ug/l
RT: 8.02 min Scan# 2156
Delta R.T. 0.01 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Tgt Ion: 69 Resp: 33545
Ion Ratio Lower Upper
69 100
41 71.2 35.5 106.5





#49

Toluene

Concen: 1.911 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

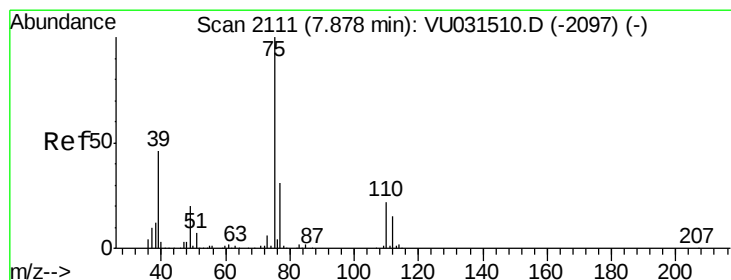
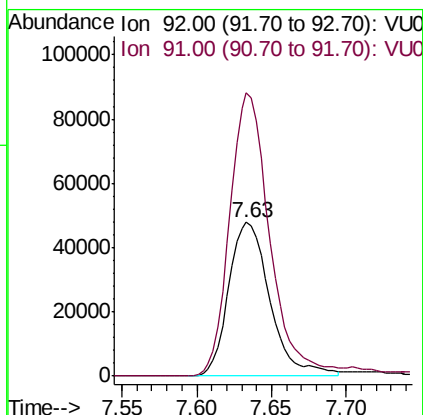
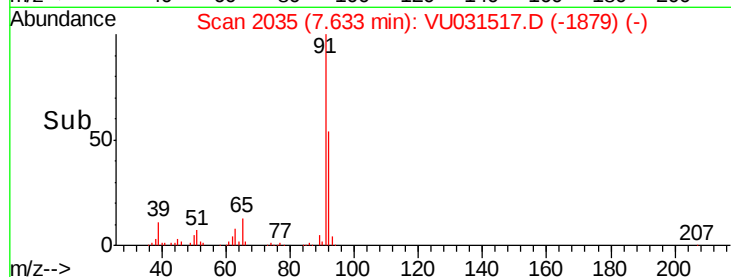
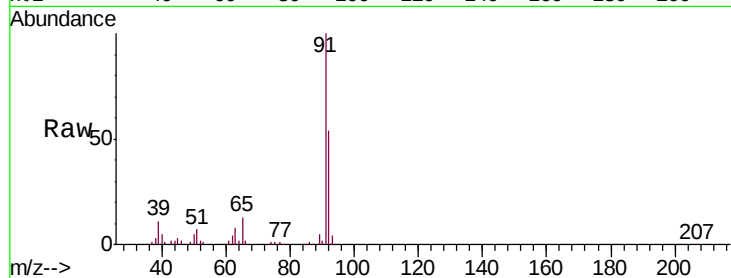
VU0426WBSD01

Tgt Ion: 92 Resp: 92217

Ion Ratio Lower Upper

92 100

91 178.9 142.0 213.0



#50

t-1,3-Dichloropropene

Concen: 1.829 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU031517.D

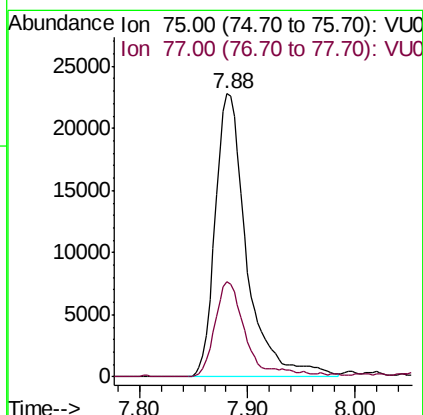
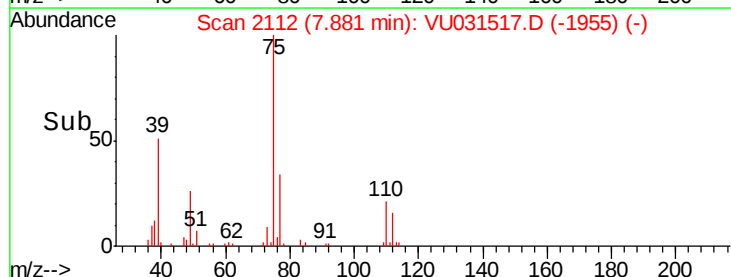
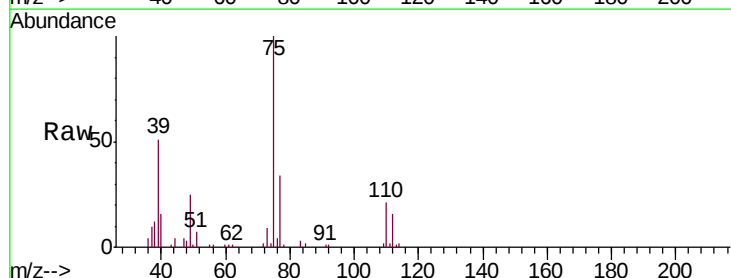
Acq: 26 Apr 2019 01:37

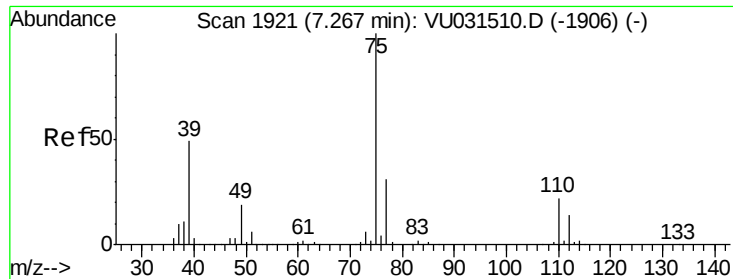
Tgt Ion: 75 Resp: 46154

Ion Ratio Lower Upper

75 100

77 33.6 25.0 37.4

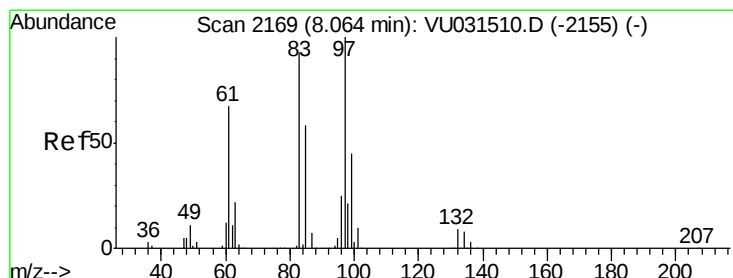
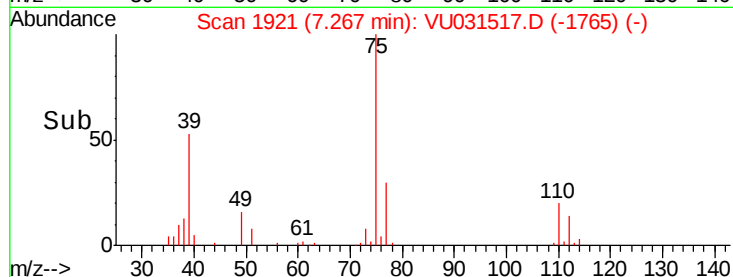
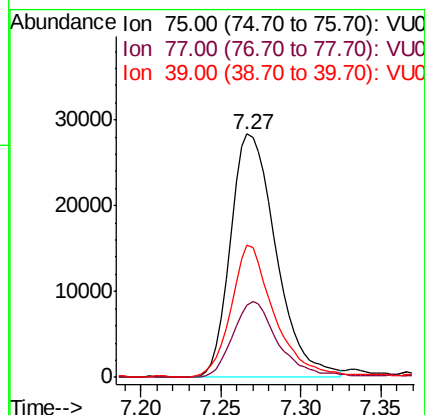
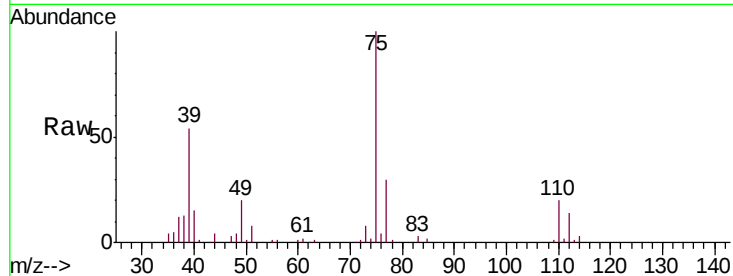




#51
 cis-1,3-Dichloropropene
 Concen: 1.793 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

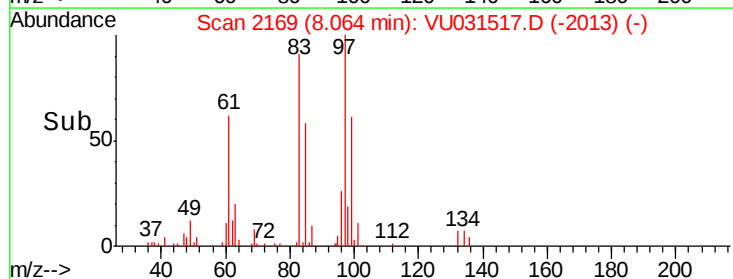
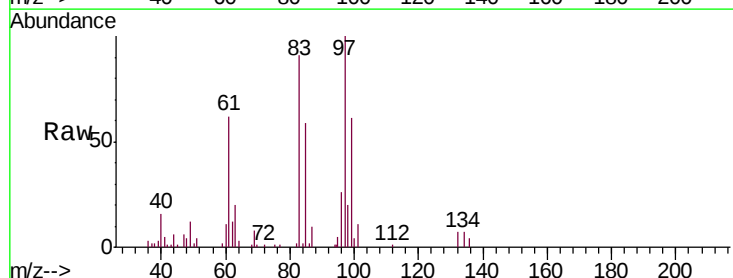
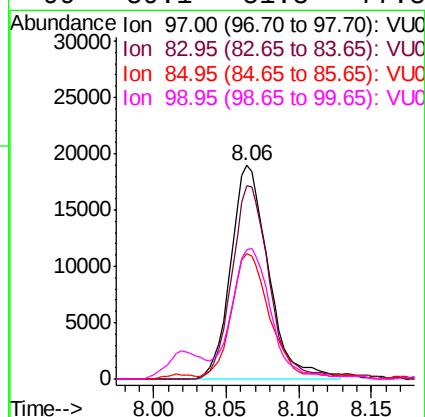
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0426WBSD01

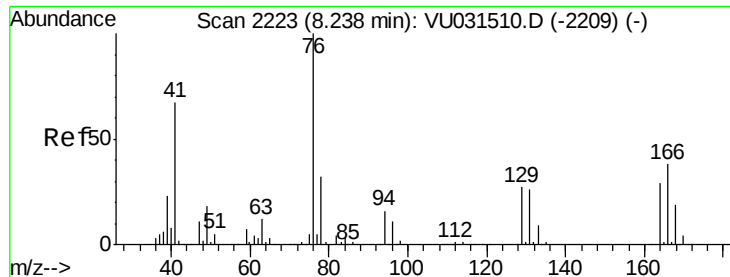
Tgt Ion: 75 Resp: 55123
 Ion Ratio Lower Upper
 75 100
 77 29.6 25.0 37.4
 39 54.1 39.0 58.6



#52
 1,1,2-Trichloroethane
 Concen: 2.036 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Tgt Ion: 97 Resp: 34249
 Ion Ratio Lower Upper
 97 100
 83 90.7 74.8 112.2
 85 57.1 48.3 72.5
 99 59.1 51.8 77.8

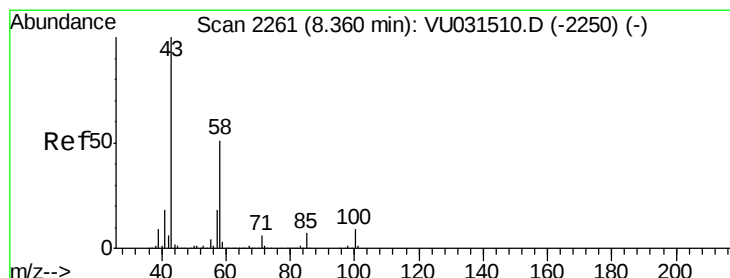
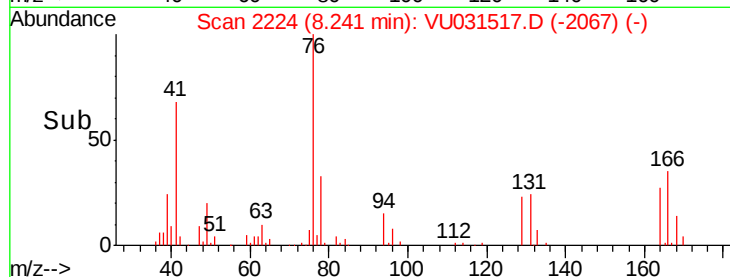
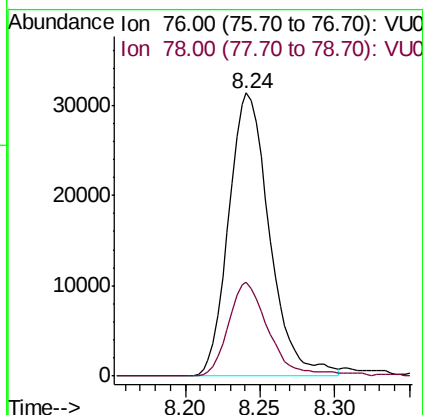
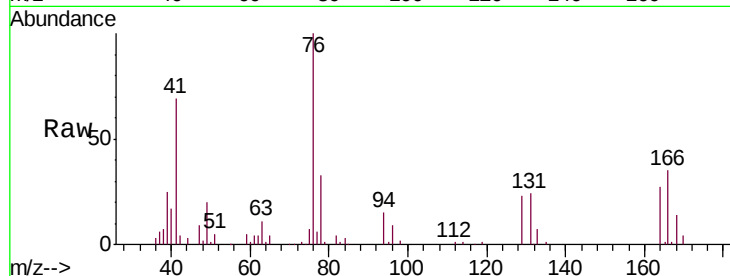




#53
 1,3-Dichloropropane
 Concen: 2.023 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

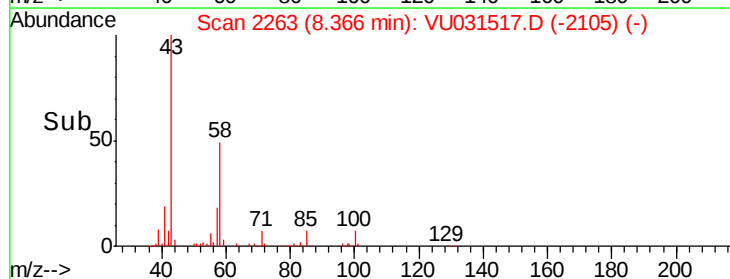
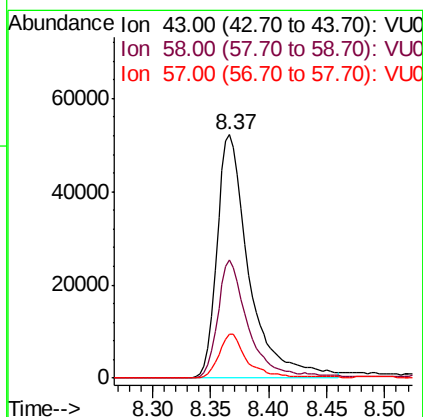
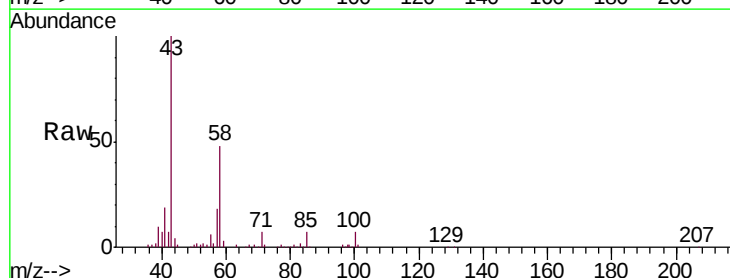
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0426WBSD01

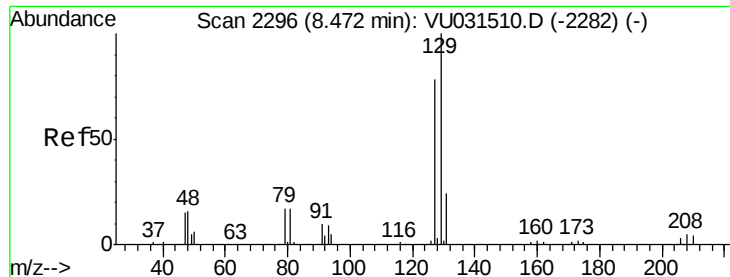
Tgt Ion: 76 Resp: 59701
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5



#54
 2-Hexanone
 Concen: 9.687 ug/l
 RT: 8.37 min Scan# 2263
 Delta R.T. 0.01 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Tgt Ion: 43 Resp: 100774
 Ion Ratio Lower Upper
 43 100
 58 45.9 30.3 70.3
 57 16.0 0.0 37.8





#55

Dibromochloromethane

Concen: 1.998 ug/l

RT: 8.48 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

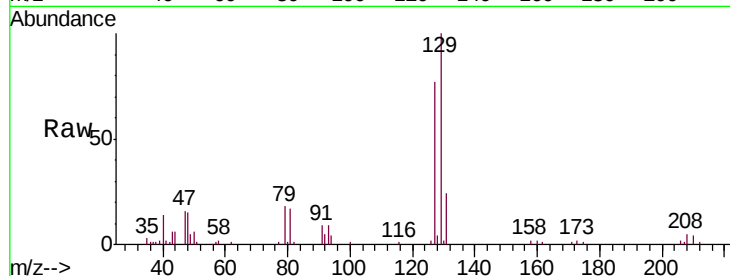
VU0426WBSD01

Tgt Ion:129 Resp: 37912

Ion Ratio Lower Upper

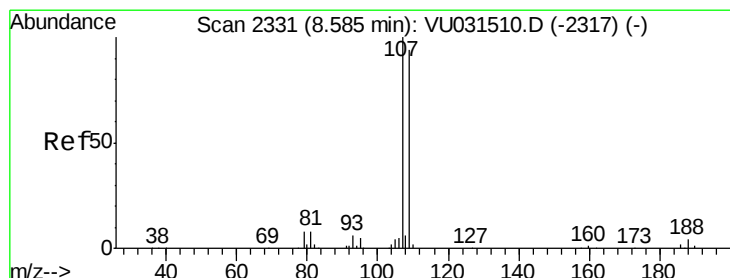
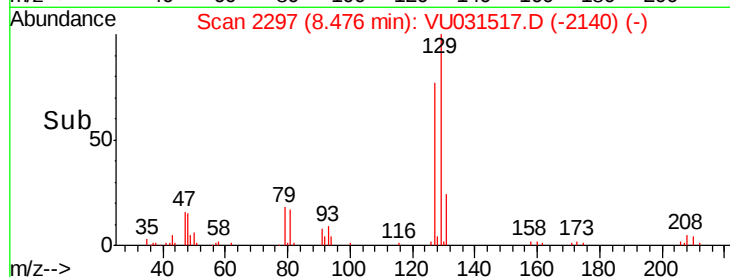
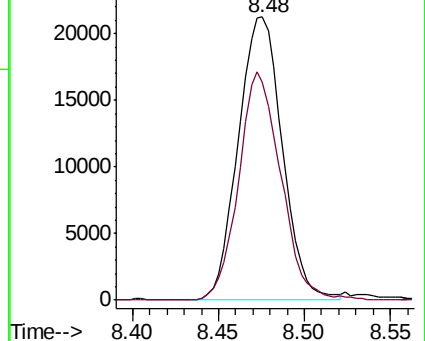
129 100

127 77.0 62.6 94.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 1.978 ug/l

RT: 8.59 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU031517.D

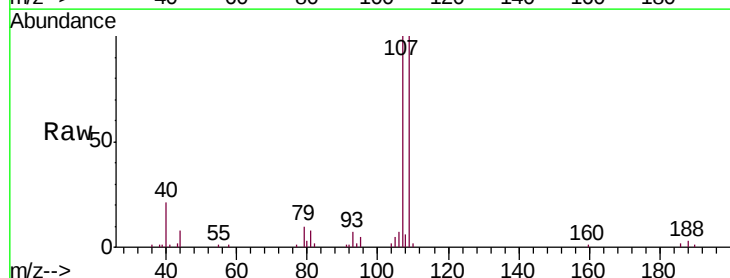
Acq: 26 Apr 2019 01:37

Tgt Ion:107 Resp: 29774

Ion Ratio Lower Upper

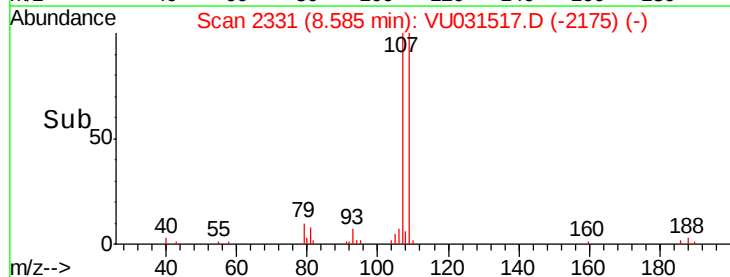
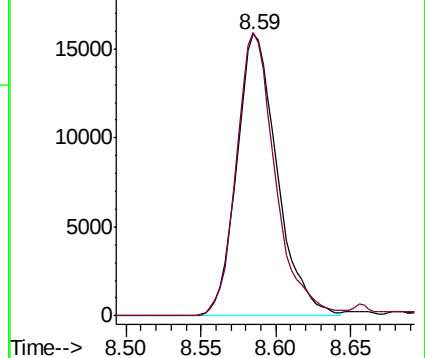
107 100

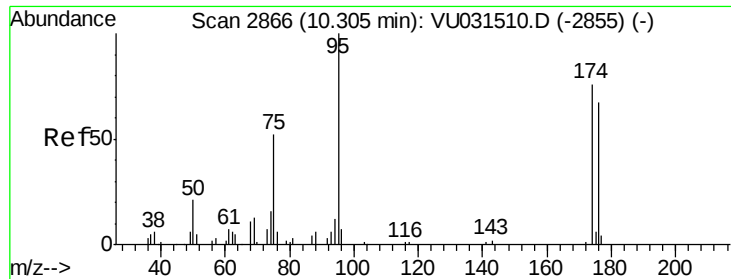
109 96.6 0.0 186.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

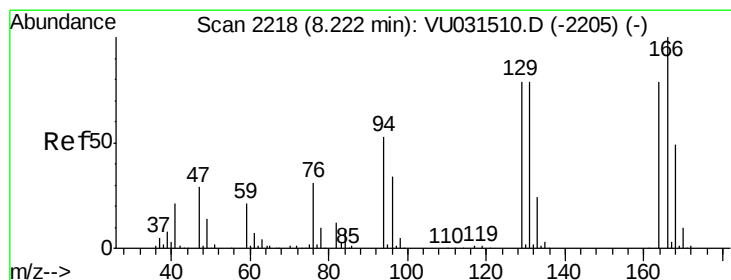
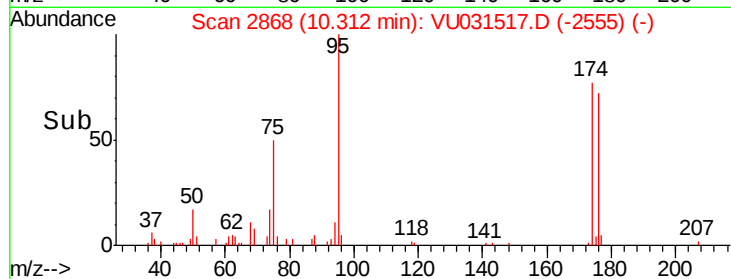
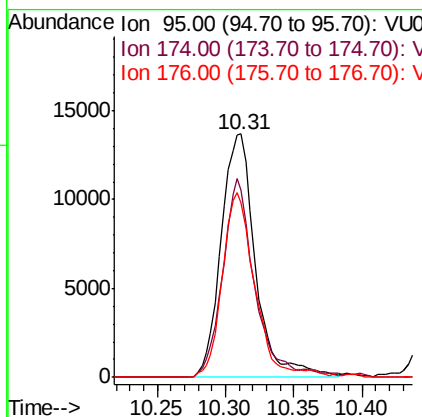
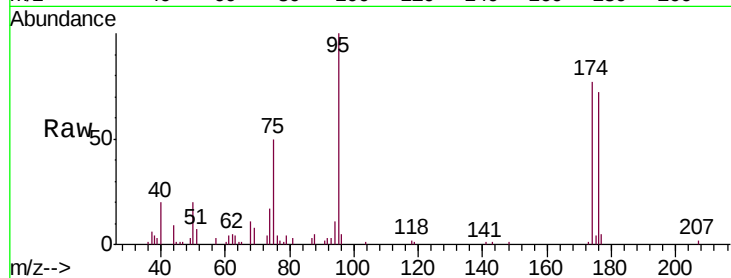




#57
 4-Bromofluorobenzene
 Concen: 1.978 ug/l
 RT: 10.31 min Scan# 2868
 Delta R.T. 0.01 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

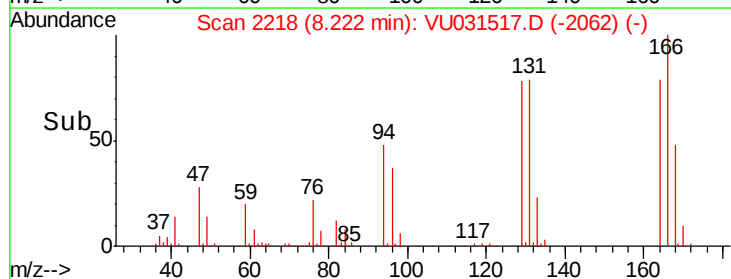
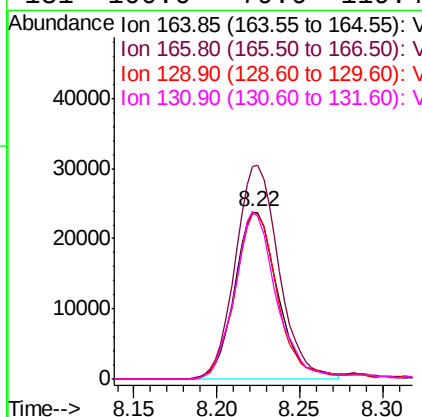
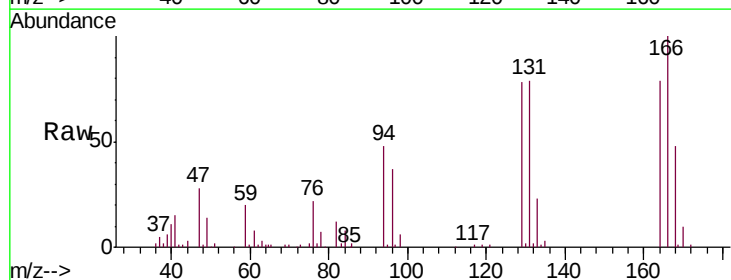
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0426WBSD01

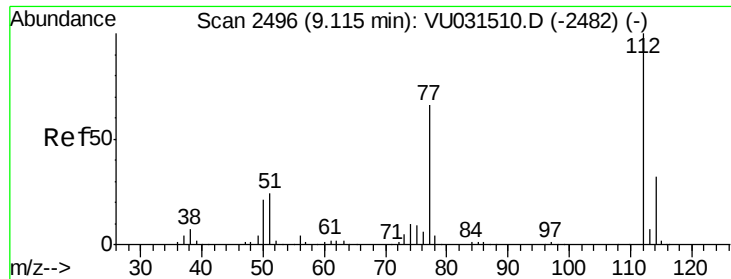
Tgt Ion: 95 Resp: 23980
 Ion Ratio Lower Upper
 95 100
 174 74.3 57.9 86.9
 176 70.6 54.0 81.0



#58
 Tetrachloroethene
 Concen: 1.964 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Tgt Ion: 164 Resp: 43021
 Ion Ratio Lower Upper
 164 100
 166 127.0 101.2 151.8
 129 98.7 80.2 120.4
 131 100.6 79.6 119.4





#59

Chlorobenzene

Concen: 1.947 ug/l

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

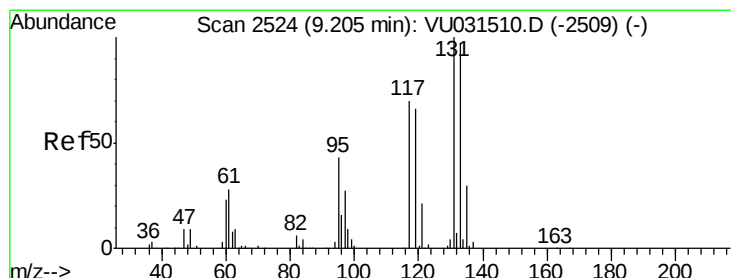
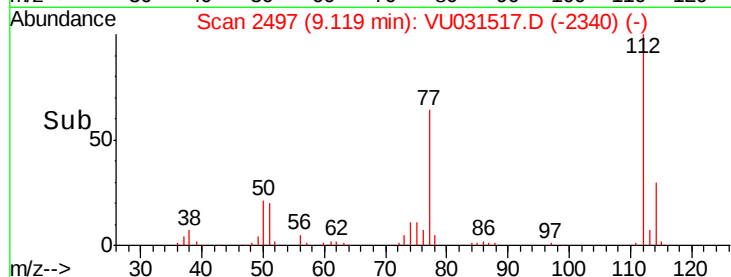
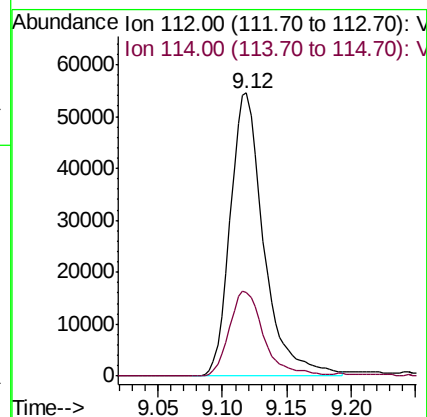
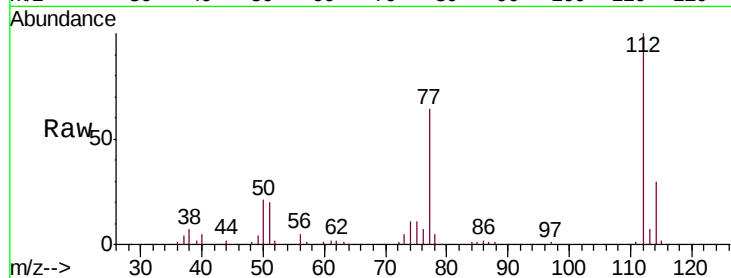
VU0426WBSD01

Tgt Ion:112 Resp: 98595

Ion Ratio Lower Upper

112 100

114 29.7 25.8 38.6



#60

1,1,1,2-Tetrachloroethane

Concen: 1.902 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

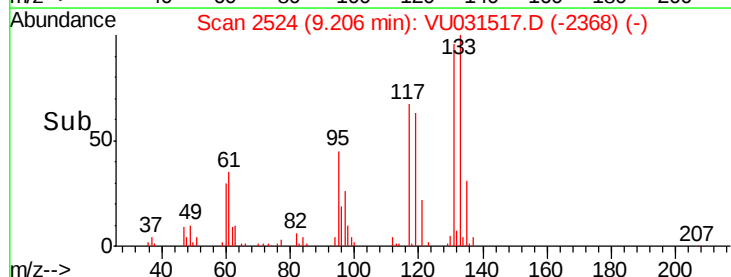
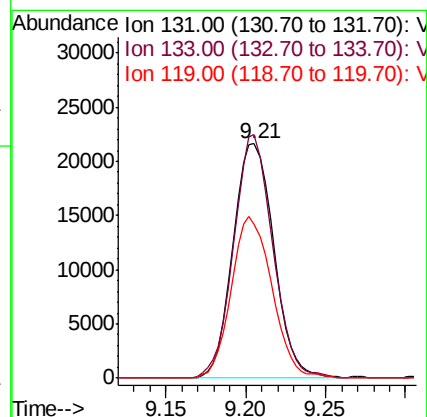
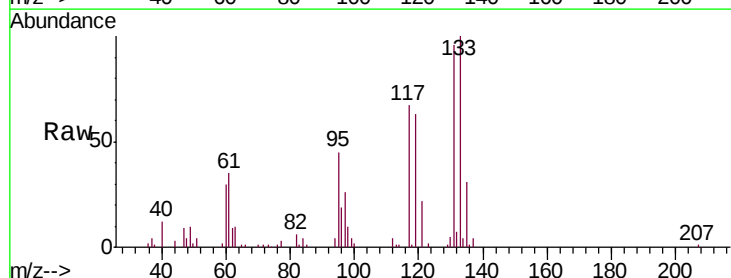
Tgt Ion:131 Resp: 37564

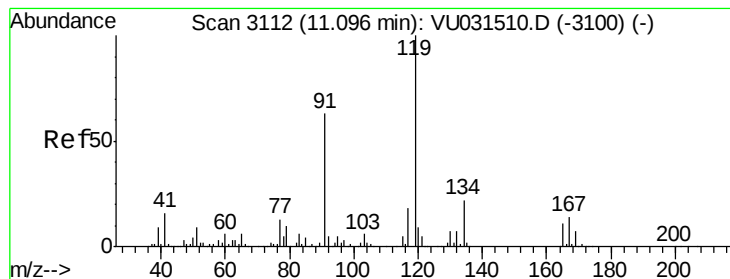
Ion Ratio Lower Upper

131 100

133 99.8 77.7 116.5

119 68.8 53.4 80.0





#61

Pentachloroethane

Concen: 1.925 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

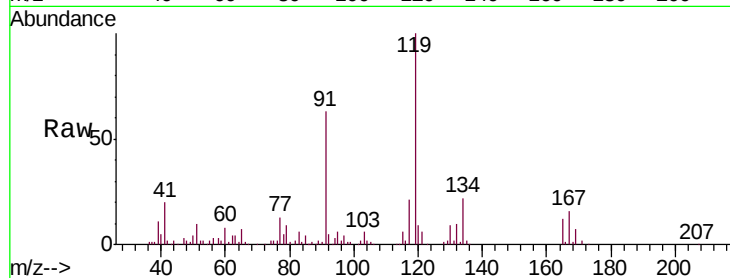
VU0426WBSD01

Tgt Ion:117 Resp: 26941

Ion Ratio Lower Upper

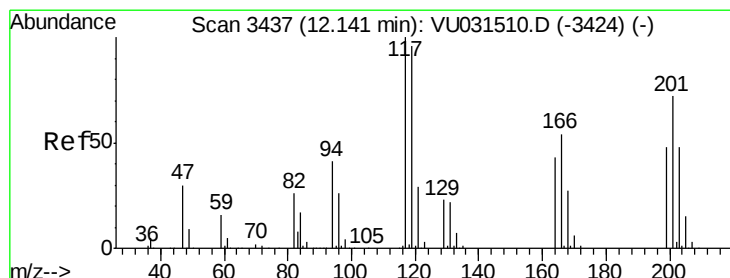
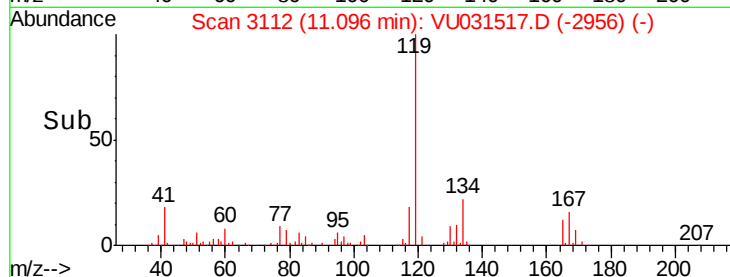
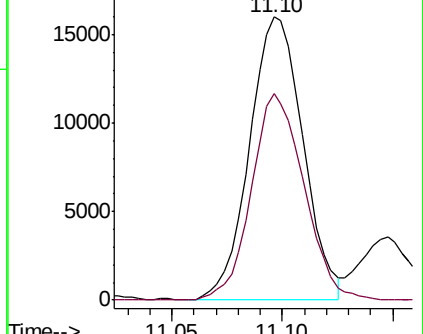
117 100

167 71.7 62.5 93.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 2.032 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. 0.00 min

Lab File: VU031517.D

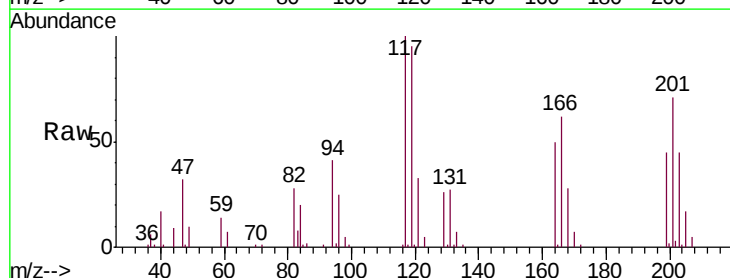
Acq: 26 Apr 2019 01:37

Tgt Ion:117 Resp: 28009

Ion Ratio Lower Upper

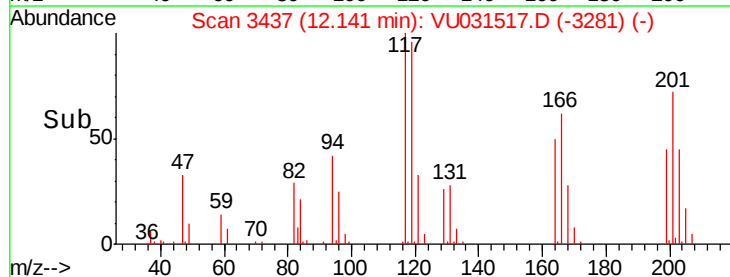
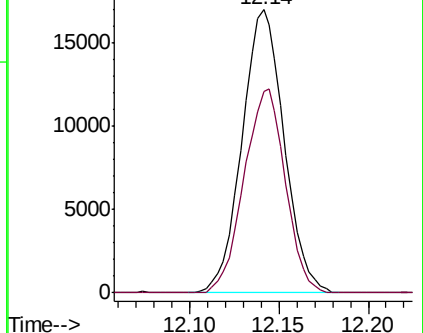
117 100

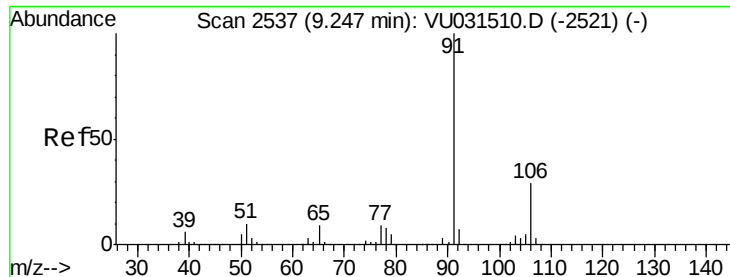
201 70.4 60.0 90.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 1.850 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

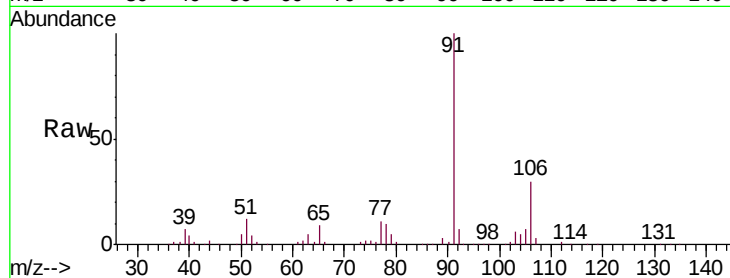
VU0426WBSD01

Tgt Ion: 91 Resp: 153417

Ion Ratio Lower Upper

91 100

106 29.8 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): VU031517.D (-2381) (-)

Ion 106.00 (105.70 to 106.70): VU031517.D (-2381) (-)

150000

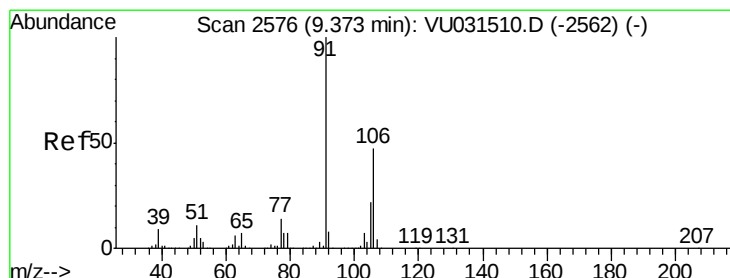
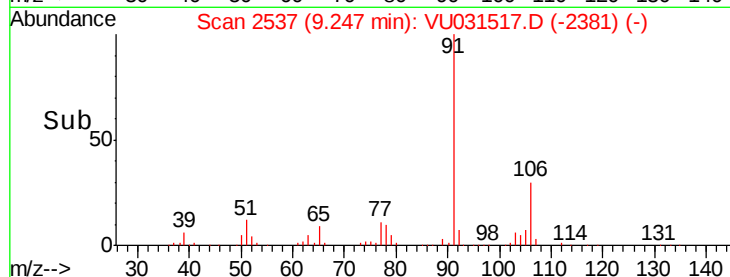
100000

50000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#64

m/p-Xylenes

Concen: 3.646 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031517.D

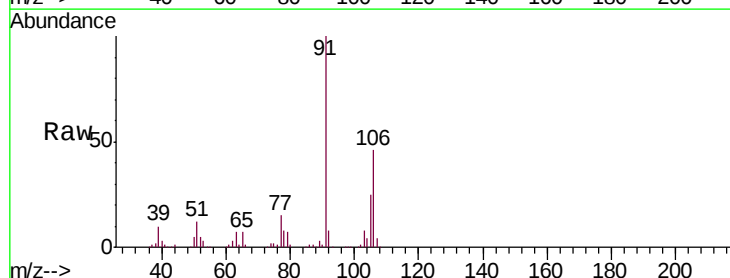
Acq: 26 Apr 2019 01:37

Tgt Ion: 106 Resp: 113115

Ion Ratio Lower Upper

106 100

91 219.7 171.0 256.4



Abundance Ion 106.00 (105.70 to 106.70): VU031517.D (-2420) (-)

Ion 91.00 (90.70 to 91.70): VU031517.D (-2420) (-)

150000

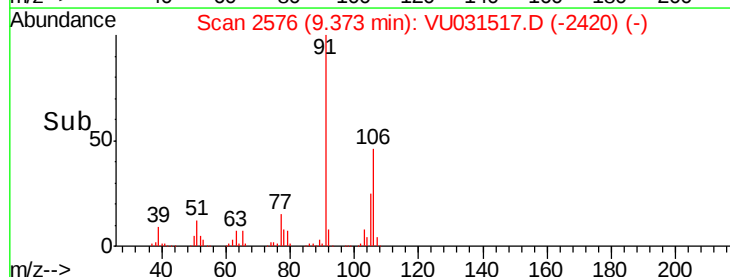
100000

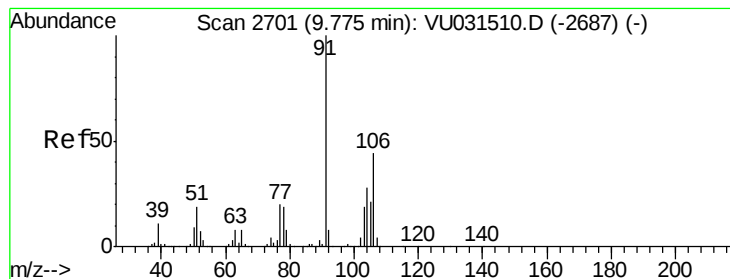
50000

0

9.30 9.35 9.40 9.45

Time-->





#65

o-Xylene

Concen: 1.841 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

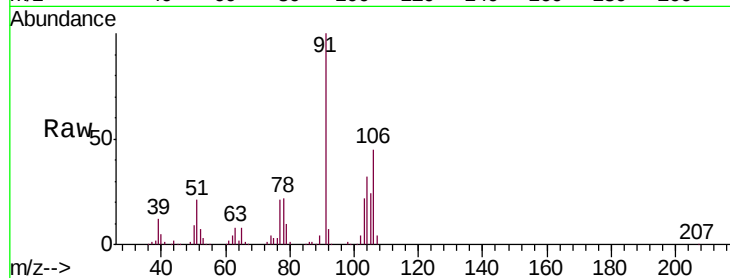
VU0426WBSD01

Tgt Ion:106 Resp: 55509

Ion Ratio Lower Upper

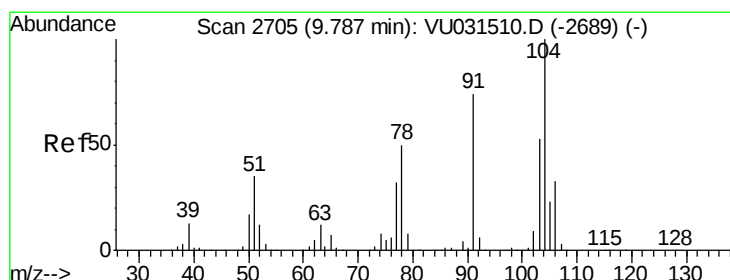
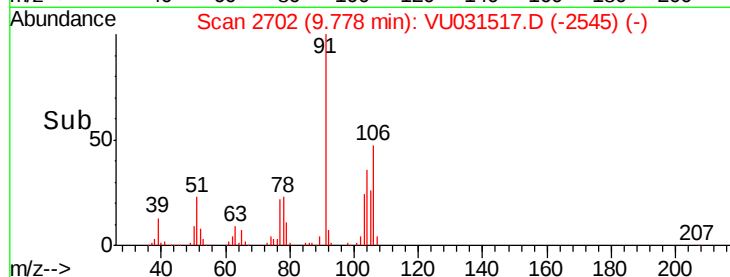
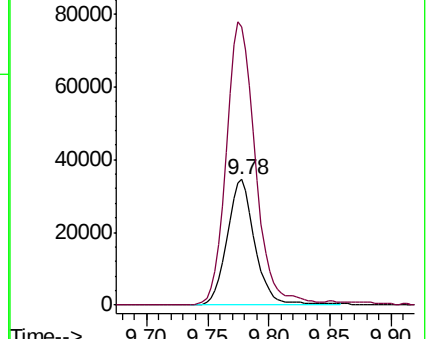
106 100

91 235.4 113.8 341.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 1.833 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

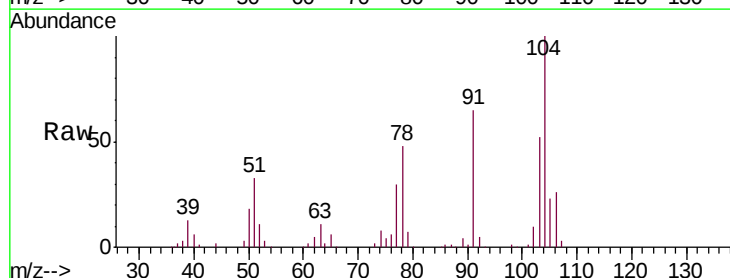
Tgt Ion:104 Resp: 93479

Ion Ratio Lower Upper

104 100

78 54.6 42.5 63.7

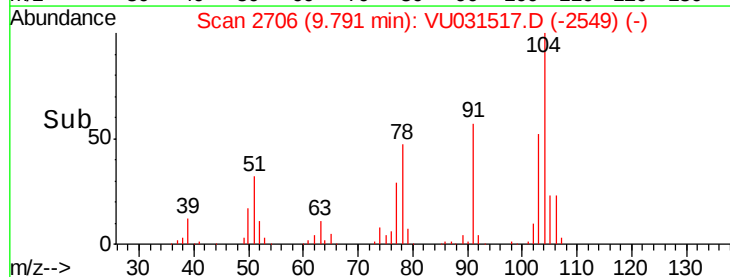
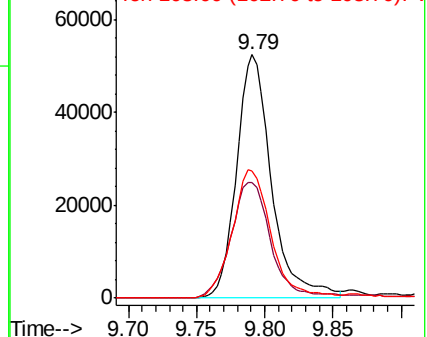
103 58.3 44.5 66.7

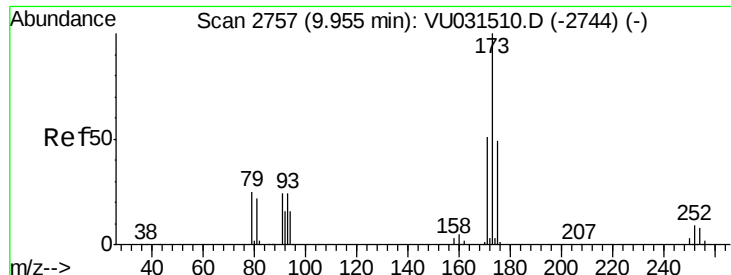


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V

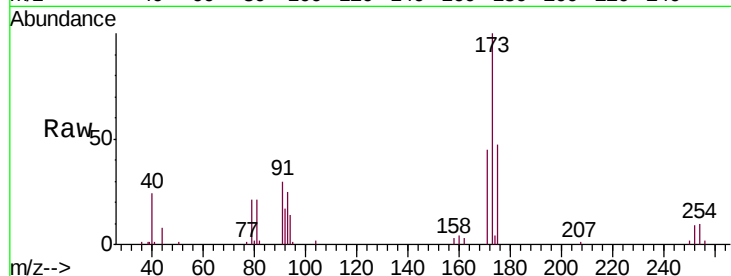




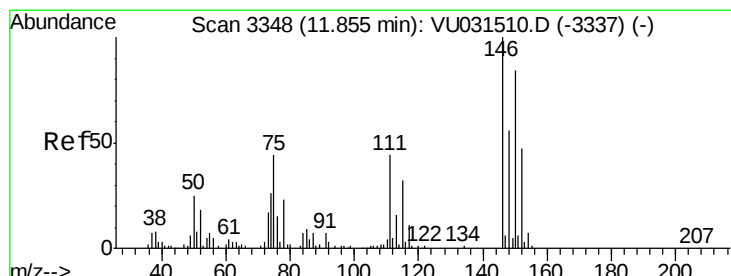
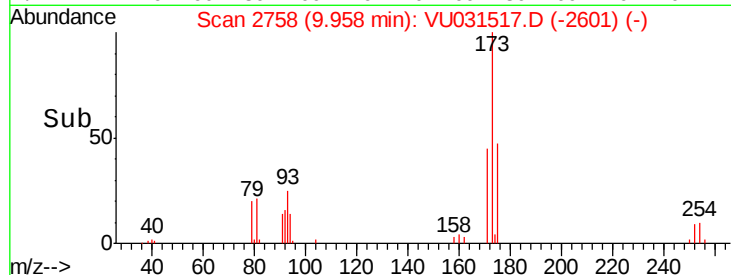
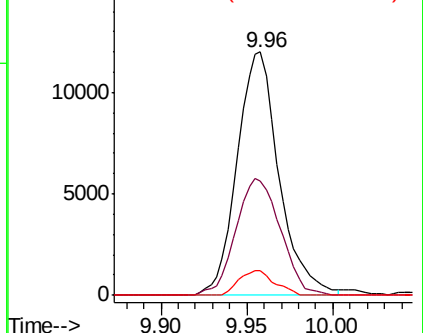
#67
Bromoform
Concen: 1.921 ug/l
RT: 9.96 min Scan# 2758
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Instrument :
MSVOA_U
ClientSampleId :
VU0426WBSD01

Tgt Ion:173 Resp: 20395
Ion Ratio Lower Upper
173 100
175 50.8 38.7 58.1
254 8.6 6.0 9.0

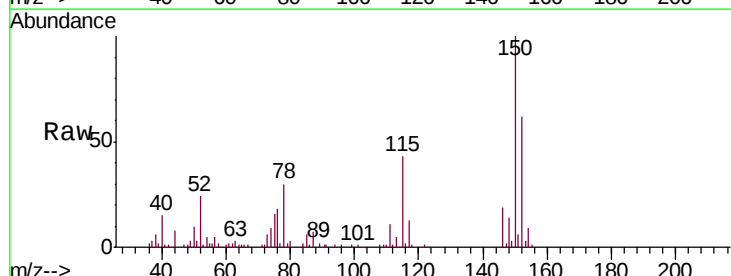


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

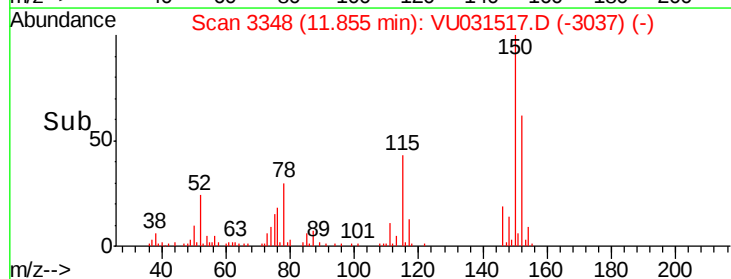
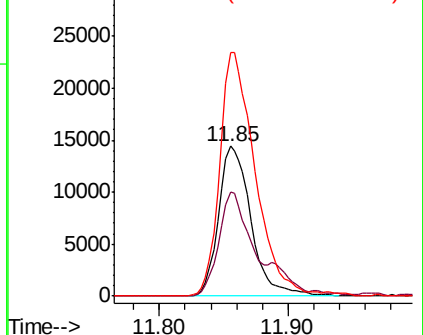


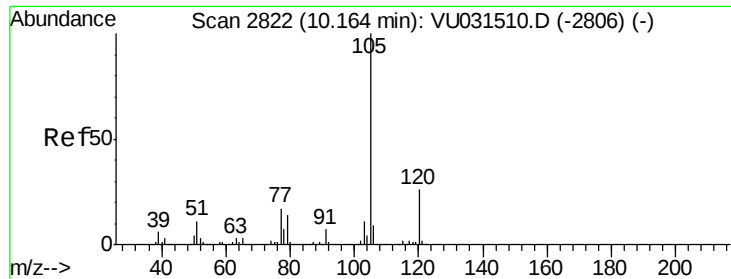
#68
1,2-Dichlorobenzene-d4
Concen: 1.921 ug/l
RT: 11.85 min Scan# 3348
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Tgt Ion:152 Resp: 25089
Ion Ratio Lower Upper
152 100
115 67.5 0.0 123.2
150 177.1 0.0 658.2



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





#69

Isopropylbenzene

Concen: 1.944 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

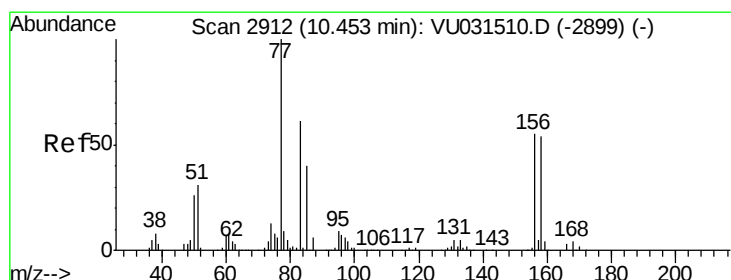
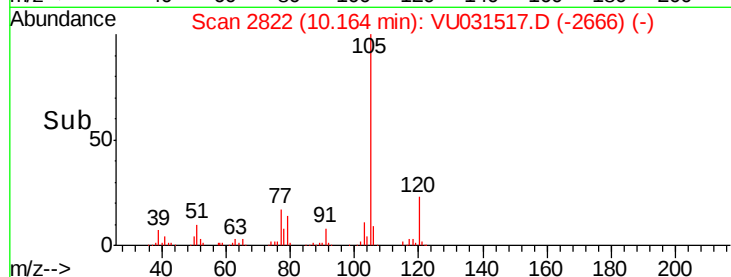
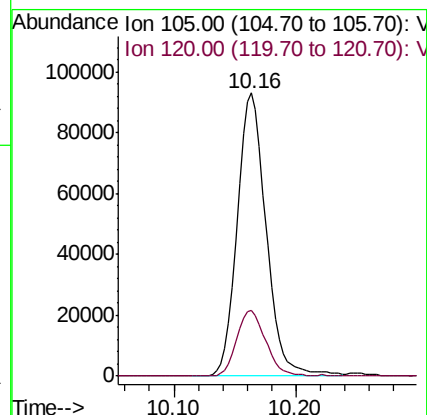
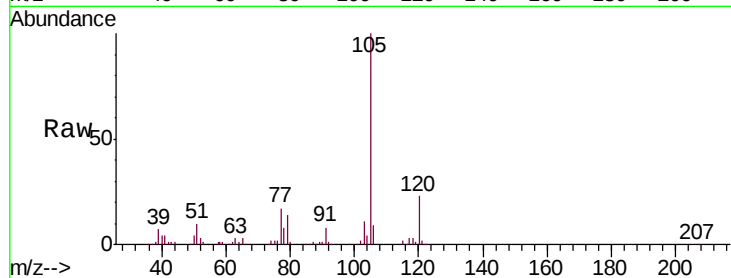
VU0426WBSD01

Tgt Ion:105 Resp: 153501

Ion Ratio Lower Upper

105 100

120 23.2 12.4 37.4



#70

1,1,2,2-Tetrachloroethane

Concen: 2.009 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

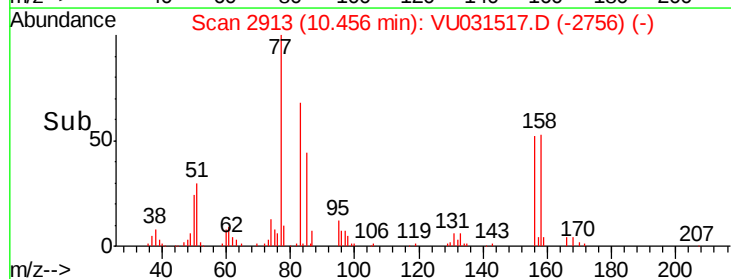
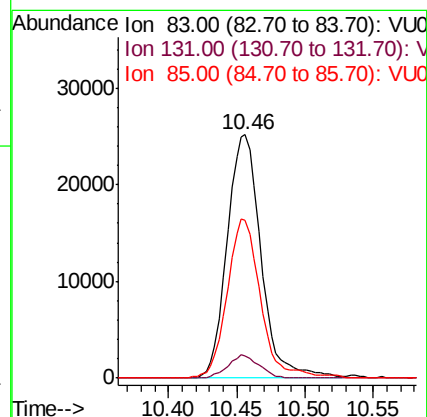
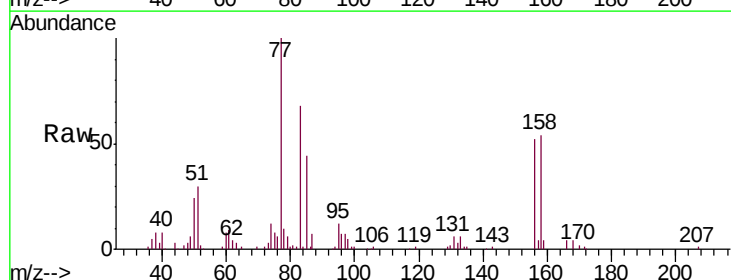
Tgt Ion: 83 Resp: 43515

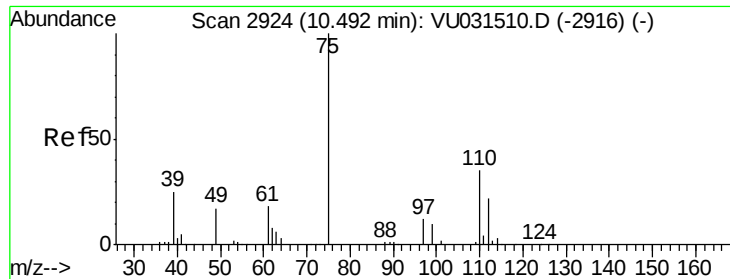
Ion Ratio Lower Upper

83 100

131 8.6 7.2 10.8

85 64.0 52.8 79.2





#71

1,2,3-Trichloropropane

Concen: 1.835 ug/l

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

VU0426WBSD01

Tgt Ion: 75 Resp: 28952

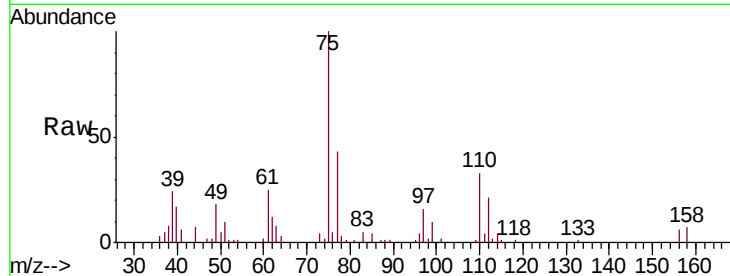
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 38.2 0.0 68.2

97 19.6 0.0 36.6

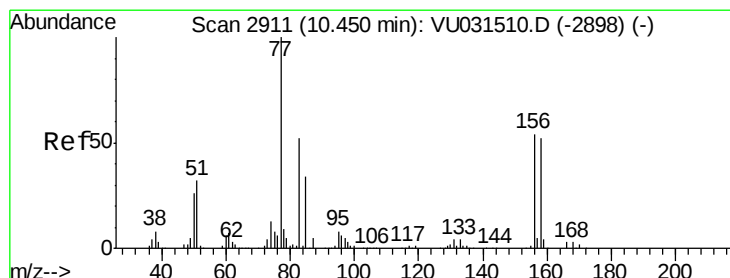
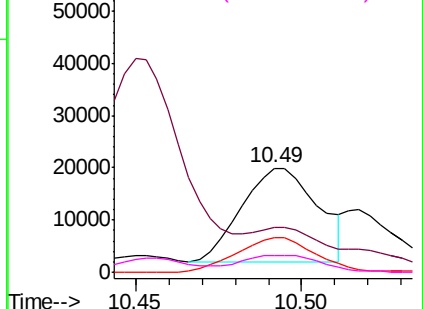
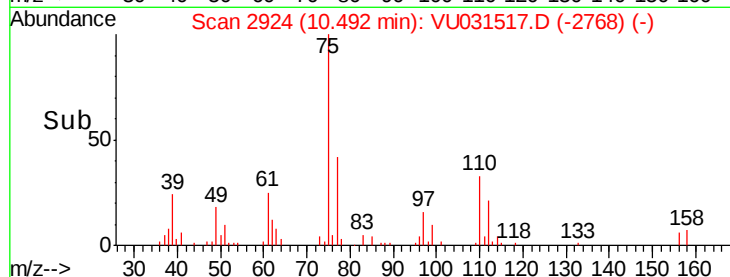


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



#72

Bromobenzene

Concen: 1.997 ug/l

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

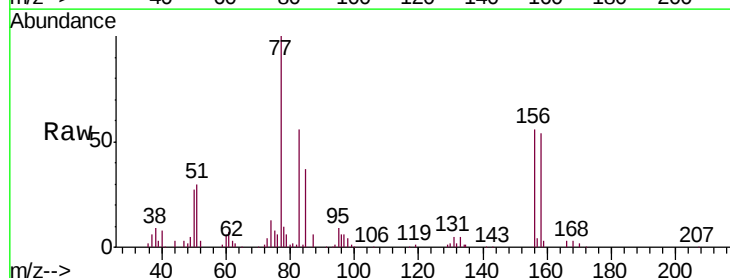
Tgt Ion: 156 Resp: 39982

Ion Ratio Lower Upper

156 100

77 184.1 0.0 353.4

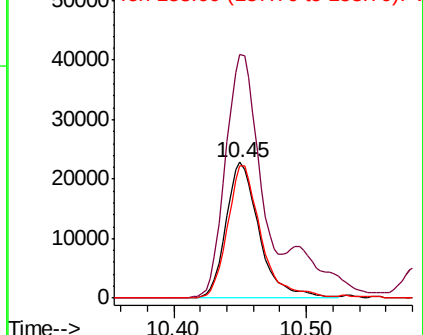
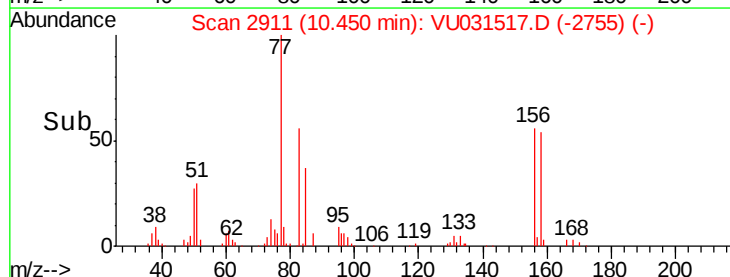
158 97.8 0.0 190.6

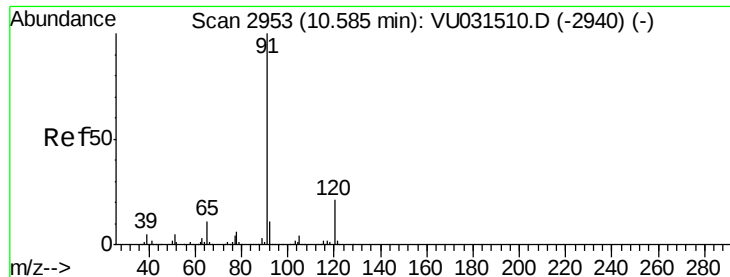


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 1.873 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

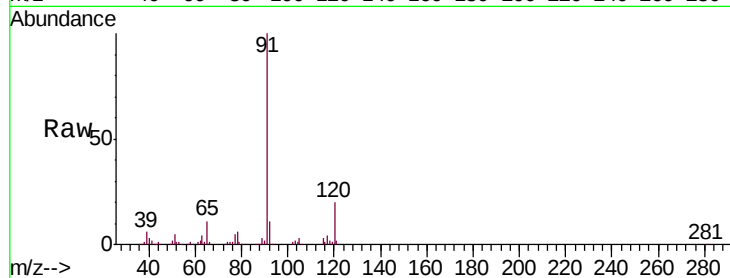
VU0426WBSD01

Tgt Ion:120 Resp: 38269

Ion Ratio Lower Upper

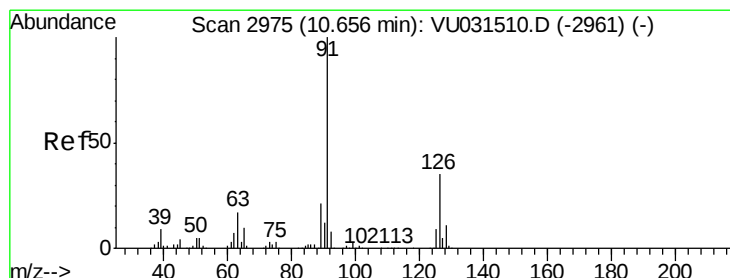
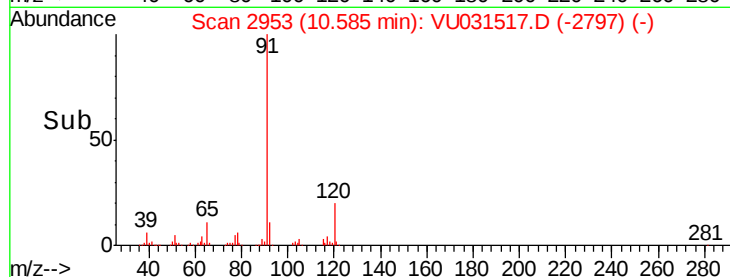
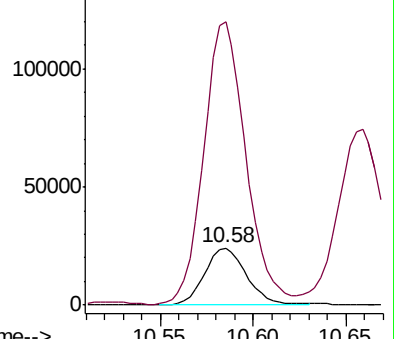
120 100

91 491.3 373.9 560.9



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.914 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU031517.D

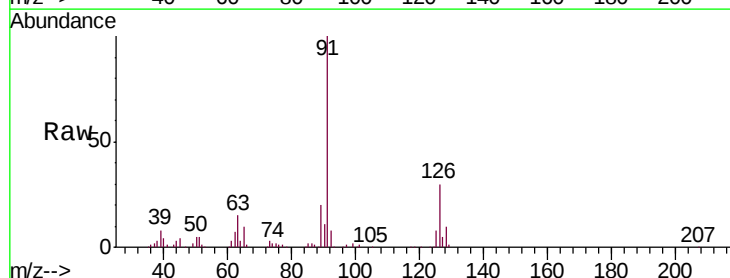
Acq: 26 Apr 2019 01:37

Tgt Ion:126 Resp: 37267

Ion Ratio Lower Upper

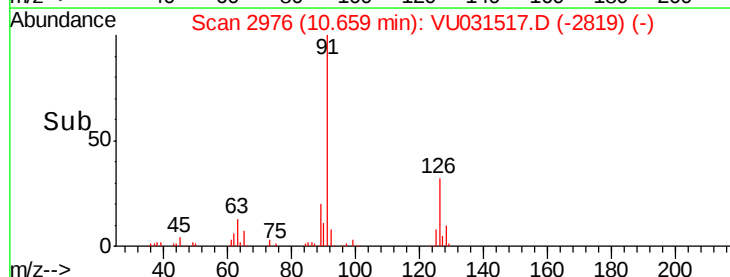
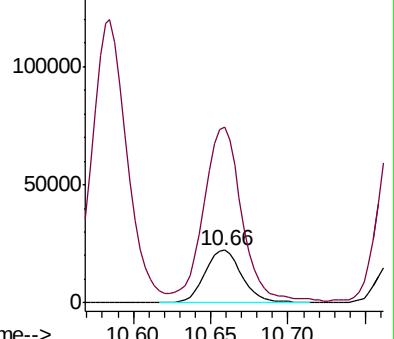
126 100

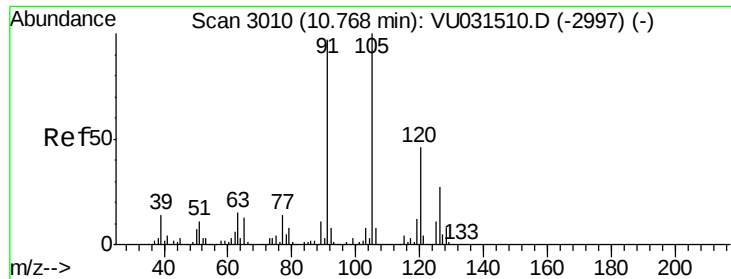
91 341.7 0.0 659.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.832 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

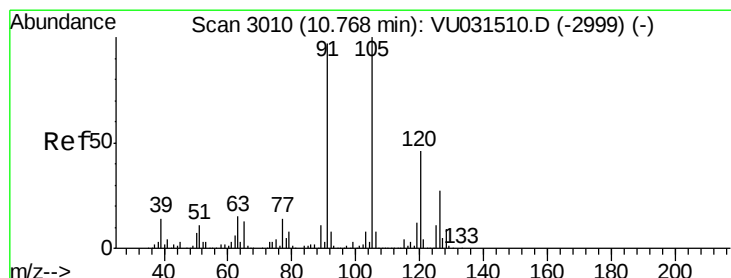
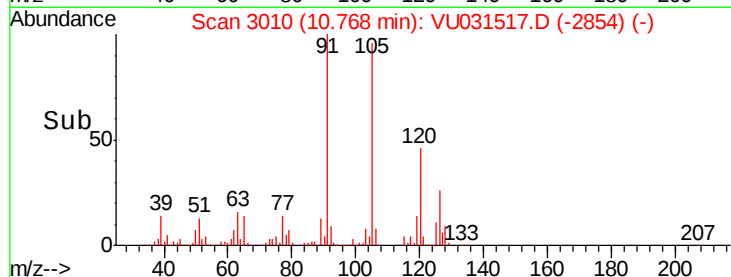
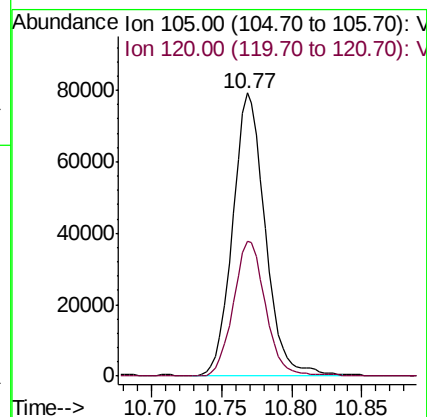
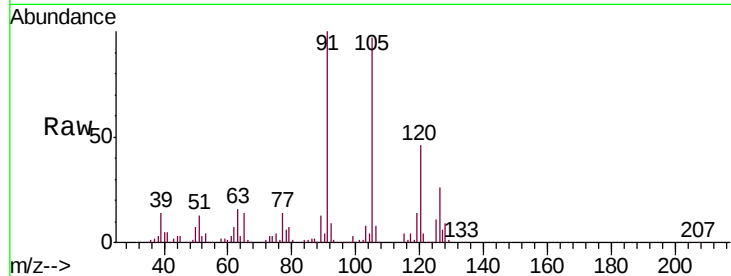
VU0426WBSD01

Tgt Ion:105 Resp: 128103

Ion Ratio Lower Upper

105 100

120 47.3 36.8 55.2



#76

4-Chlorotoluene

Concen: 1.938 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU031517.D

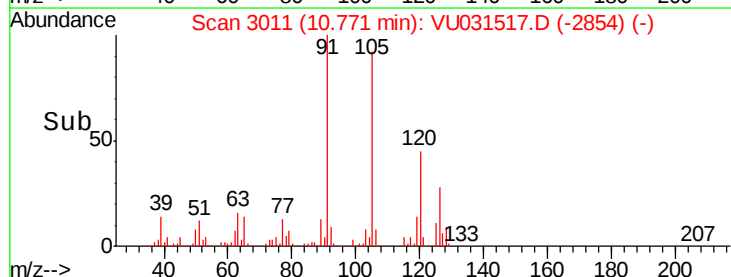
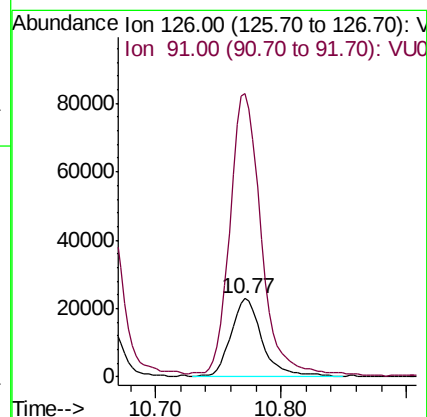
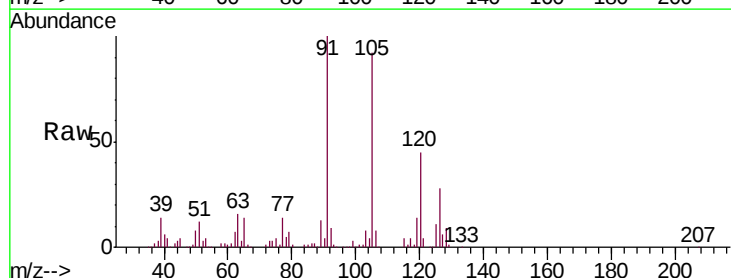
Acq: 26 Apr 2019 01:37

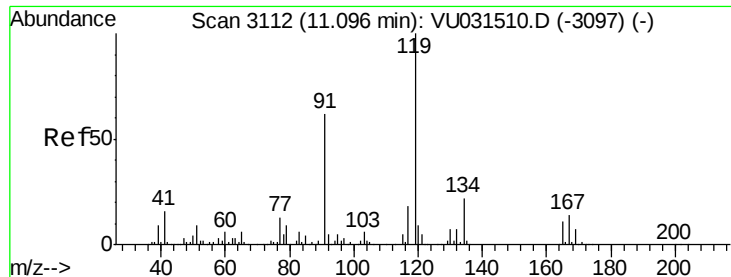
Tgt Ion:126 Resp: 39288

Ion Ratio Lower Upper

126 100

91 368.5 0.0 732.0

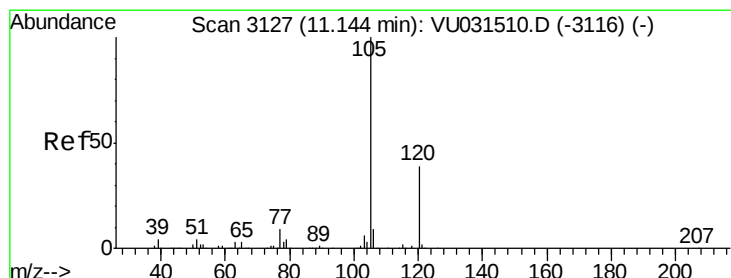
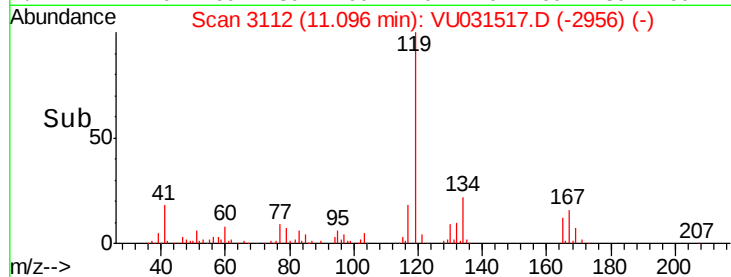
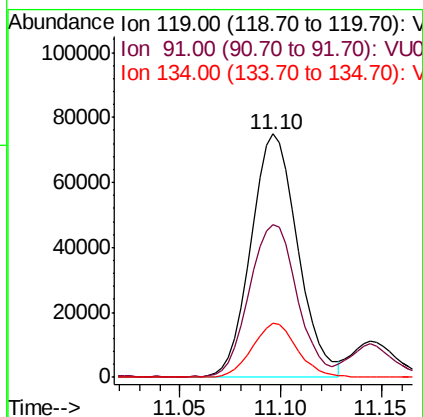
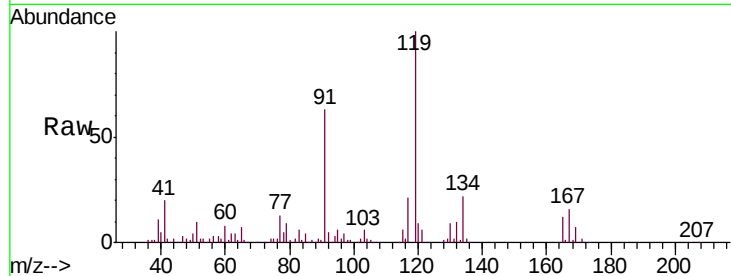




#77
 tert-Butylbenzene
 Concen: 1.929 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

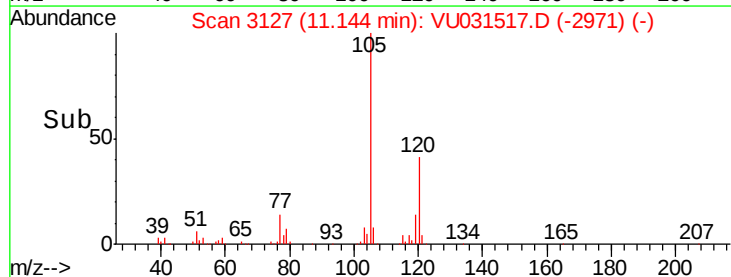
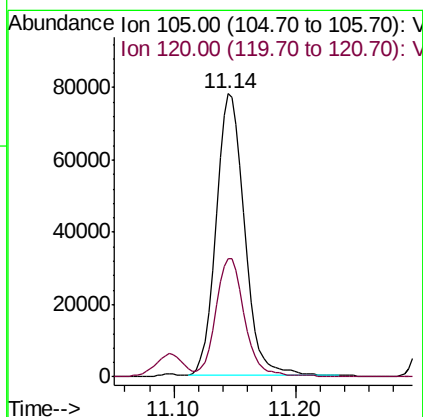
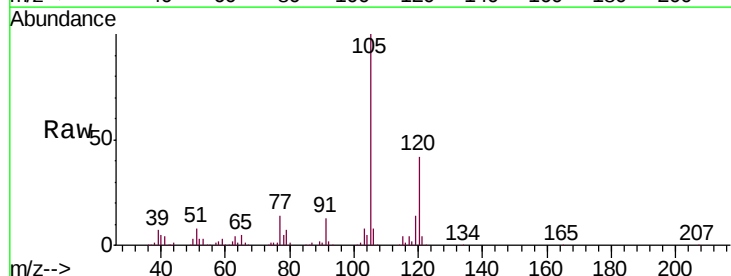
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0426WBSD01

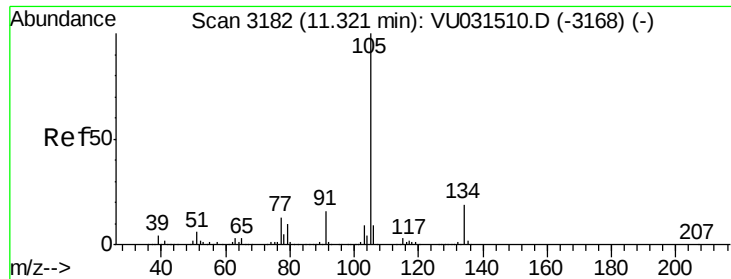
Tgt Ion:119 Resp: 121696
 Ion Ratio Lower Upper
 119 100
 91 63.8 31.4 94.2
 134 21.5 17.4 26.2



#78
 1,2,4-Trimethylbenzene
 Concen: 1.810 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Tgt Ion:105 Resp: 128139
 Ion Ratio Lower Upper
 105 100
 120 41.5 21.6 65.0





#79

sec-Butylbenzene

Concen: 1.992 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

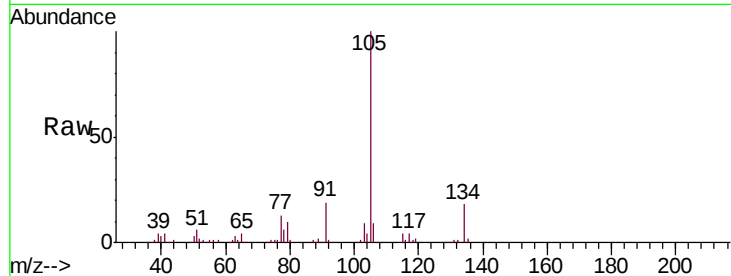
VU0426WBSD01

Tgt Ion:105 Resp: 171457

Ion Ratio Lower Upper

105 100

134 17.9 15.0 22.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

120000

100000

80000

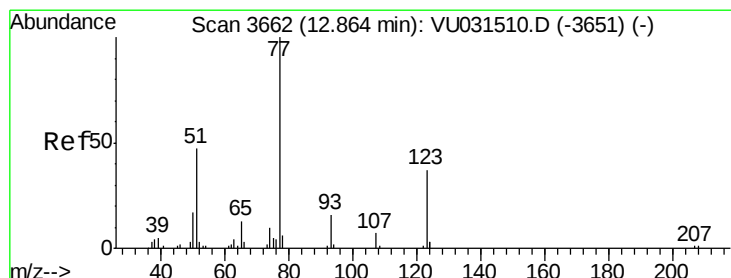
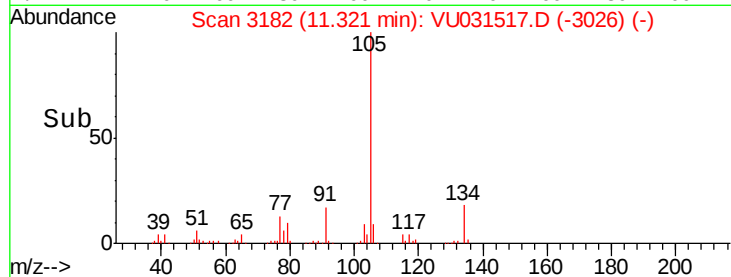
60000

40000

20000

0

Time-->



#80

Nitrobenzene

Concen: 3.092 ug/l

RT: 12.89 min Scan# 3669

Delta R.T. 0.02 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

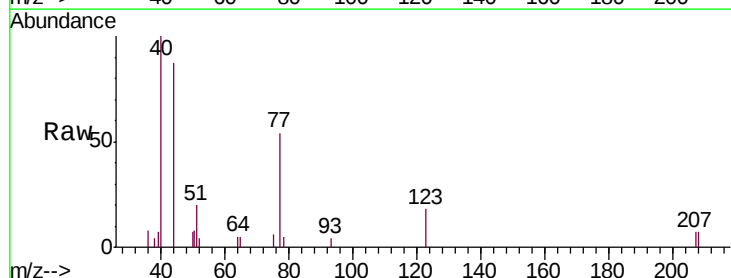
Tgt Ion: 77 Resp: 1612

Ion Ratio Lower Upper

77 100

123 53.4 17.2 61.0

65 15.0 9.7 12.3#



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

2000

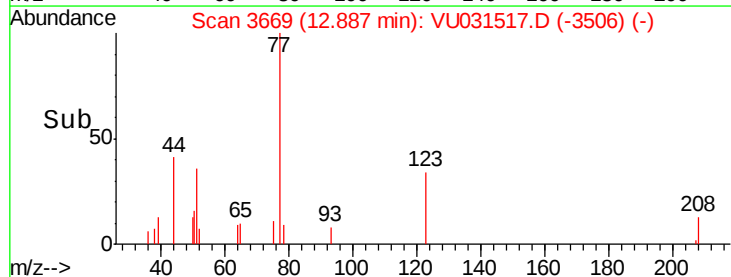
1500

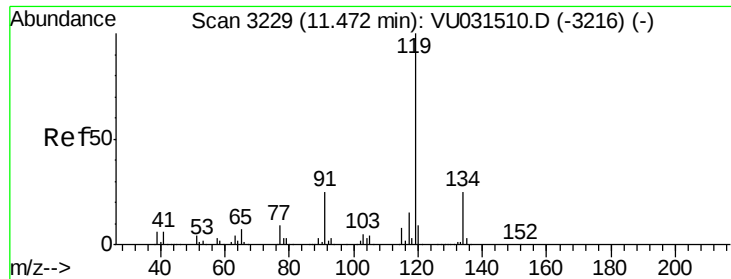
1000

500

0

Time-->

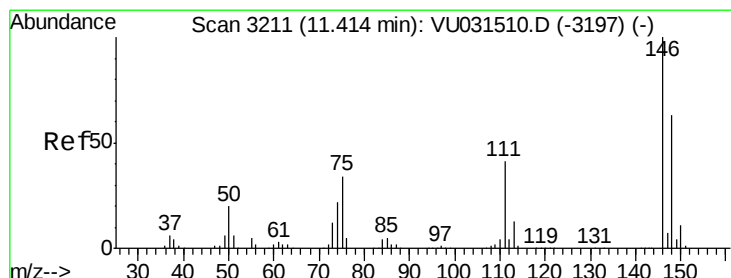
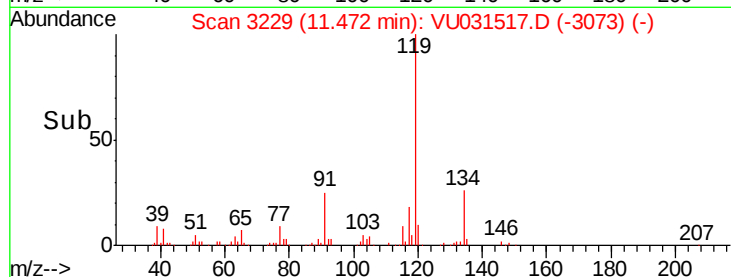
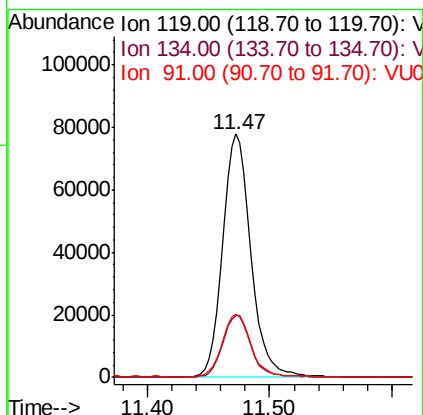
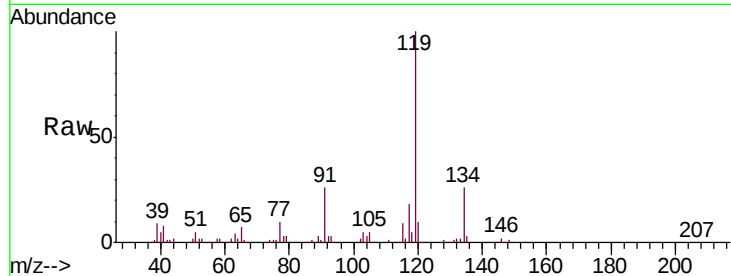




#81
 p-Isopropyltoluene
 Concen: 1.823 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

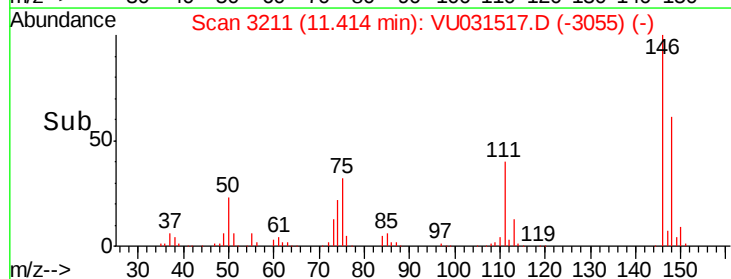
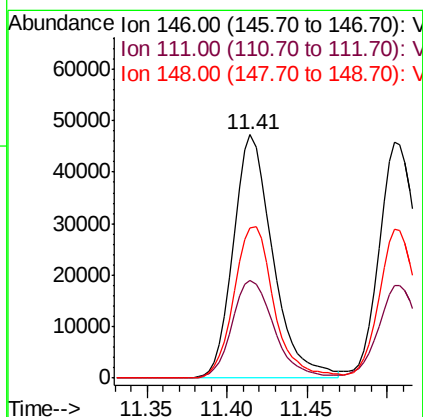
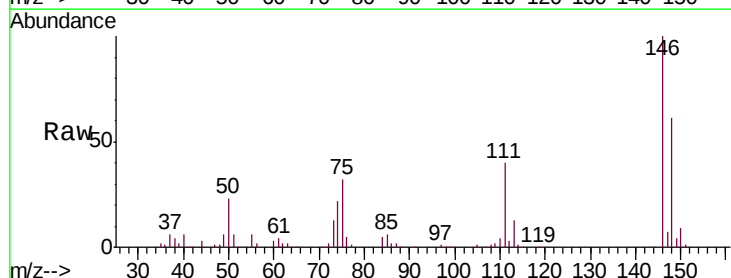
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0426WBSD01

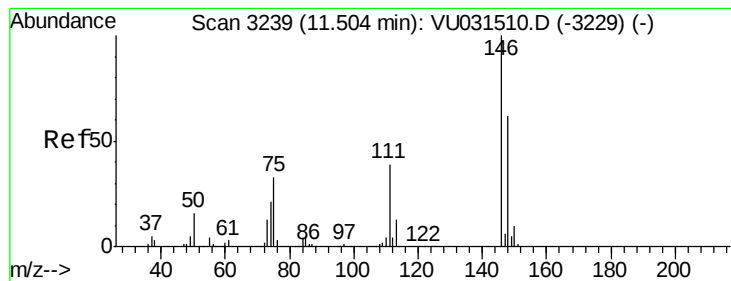
Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.3	30.5
91	26.2	20.3	30.5



#82
 1,3-Dichlorobenzene
 Concen: 2.012 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	33.4	50.0
148	63.2	50.2	75.4





#83

1,4-Dichlorobenzene

Concen: 2.018 ug/l

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

VU0426WBSD01

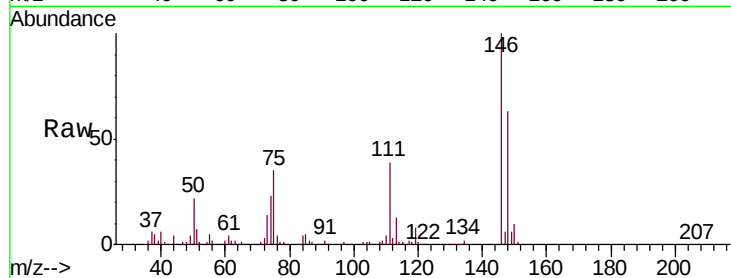
Tgt Ion:146 Resp: 76736

Ion Ratio Lower Upper

146 100

111 43.0 32.2 48.4

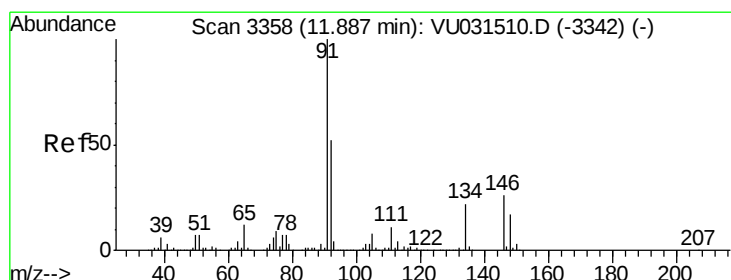
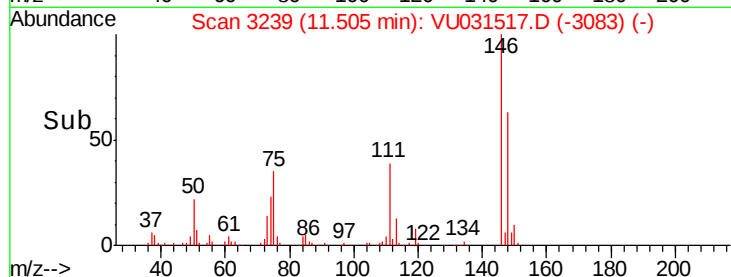
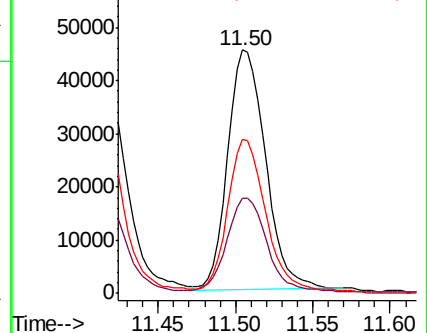
148 65.2 51.2 76.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

n-Butylbenzene

Concen: 1.863 ug/l

RT: 11.89 min Scan# 3358

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

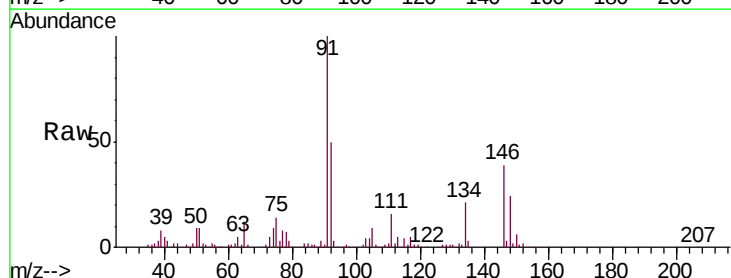
Tgt Ion: 91 Resp: 122363

Ion Ratio Lower Upper

91 100

92 49.4 41.2 61.8

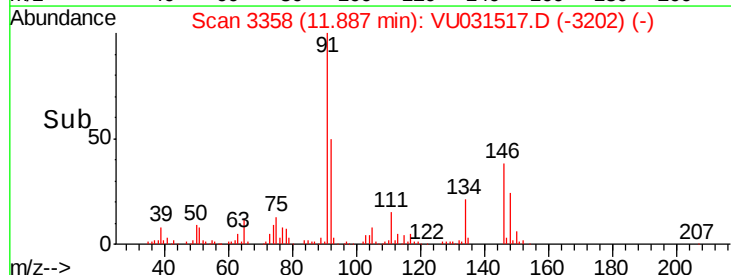
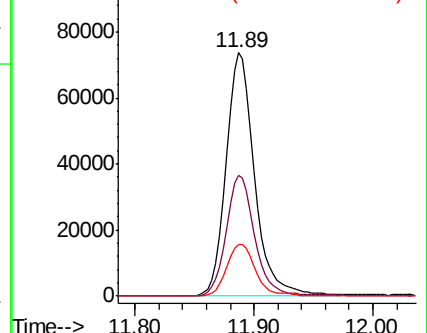
134 21.4 18.1 27.1

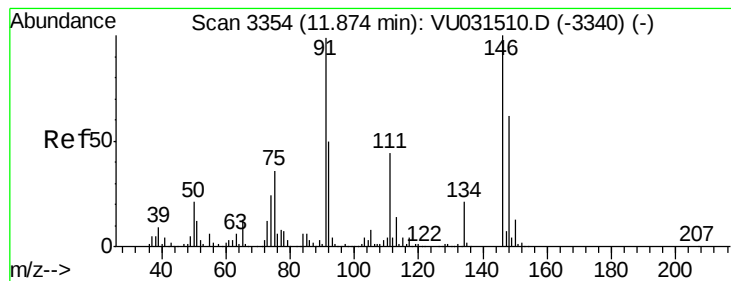


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





#85

1,2-Dichlorobenzene

Concen: 1.938 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

VU0426WBSD01

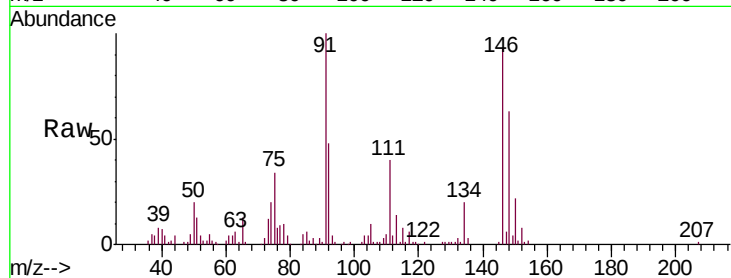
Tgt Ion:146 Resp: 72937

Ion Ratio Lower Upper

146 100

111 44.0 21.7 65.1

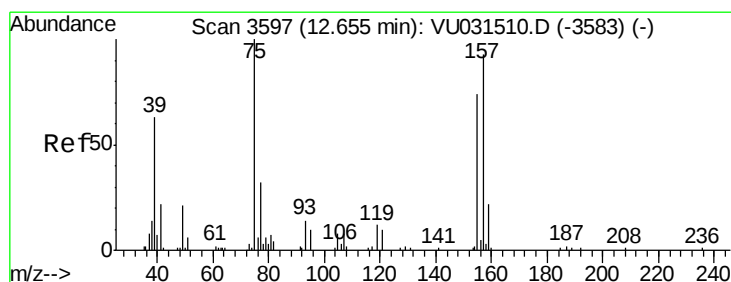
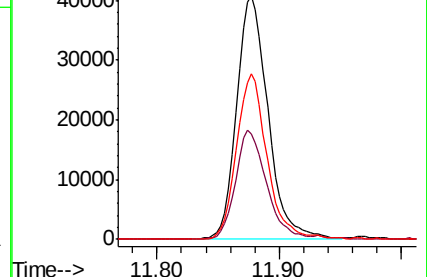
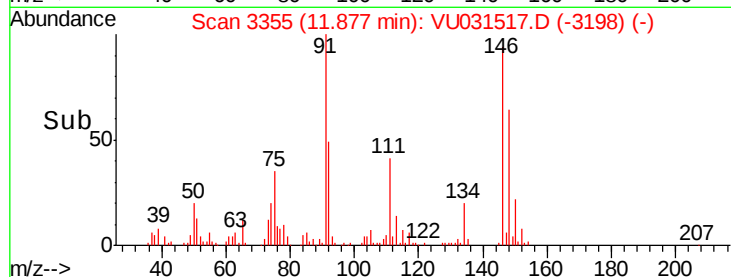
148 66.1 31.6 94.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 2.031 ug/l

RT: 12.65 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

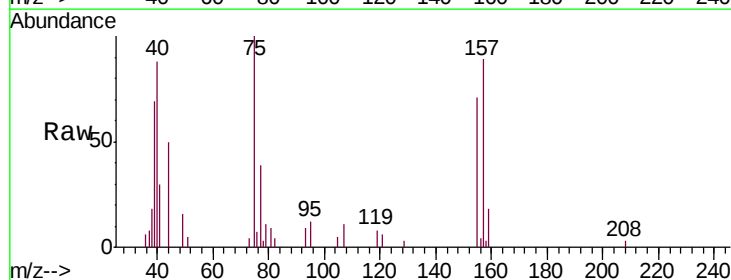
Tgt Ion: 75 Resp: 6331

Ion Ratio Lower Upper

75 100

155 73.7 58.5 87.7

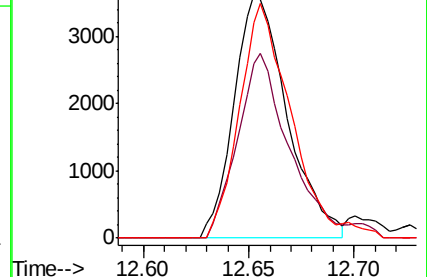
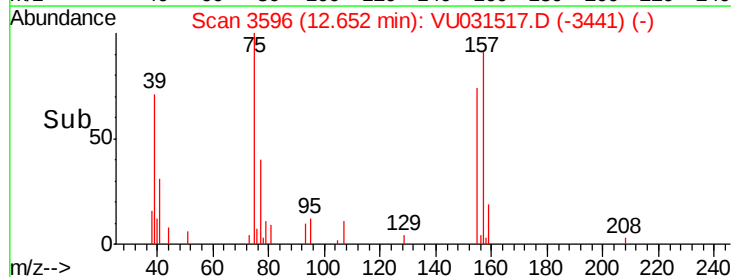
157 94.1 75.0 112.4

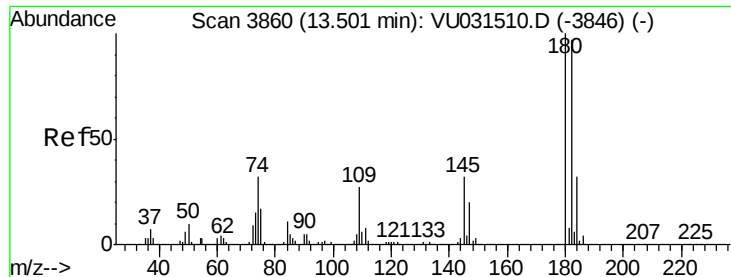


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

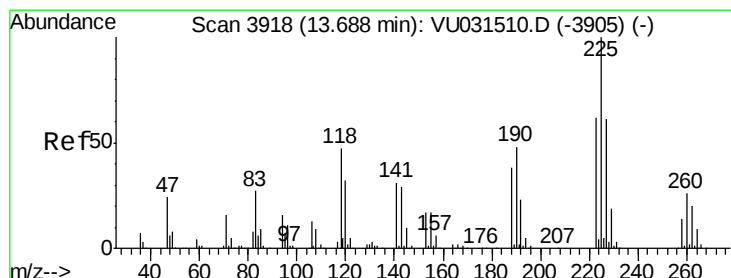
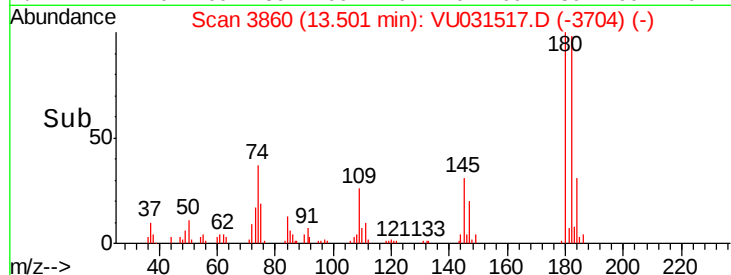
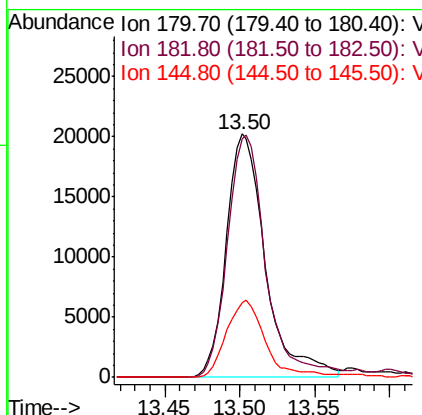
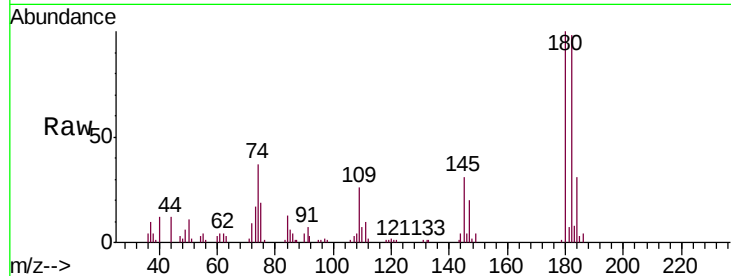




#87
 1,2,4-Trichlorobenzene
 Concen: 1.929 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

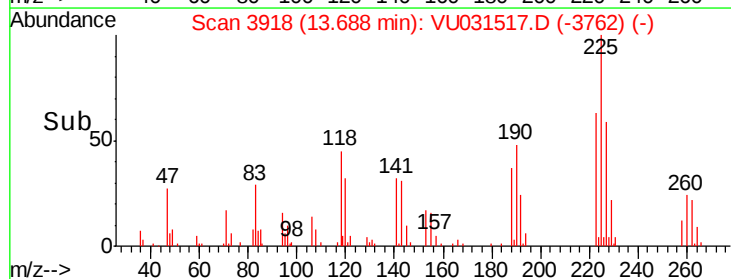
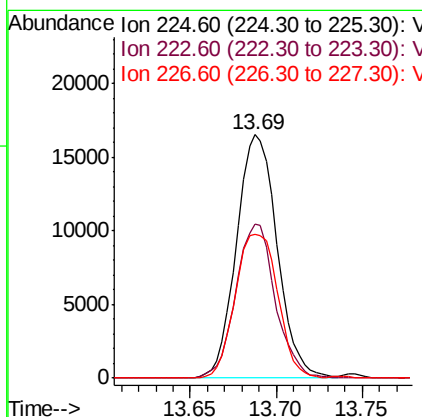
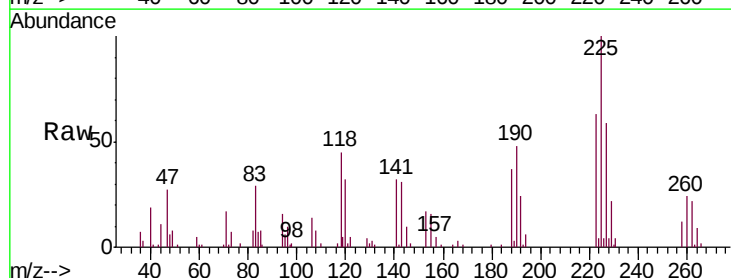
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0426WBSD01

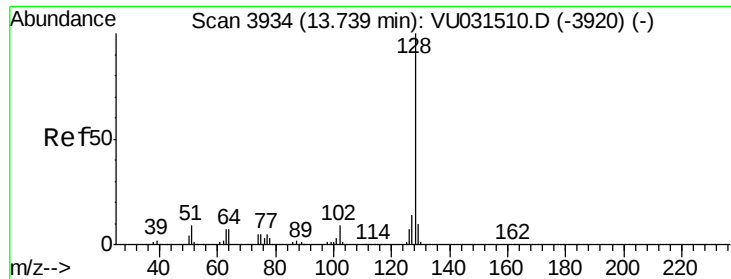
Tgt Ion:180 Resp: 36929
 Ion Ratio Lower Upper
 180 100
 182 97.6 75.5 113.3
 145 31.1 23.9 35.9



#88
 Hexachlorobutadiene
 Concen: 1.968 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Tgt Ion:225 Resp: 27219
 Ion Ratio Lower Upper
 225 100
 223 61.4 50.2 75.4
 227 61.7 50.4 75.6





#89

Naphthalene

Concen: 1.916 ug/l

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

VU0426WBSD01

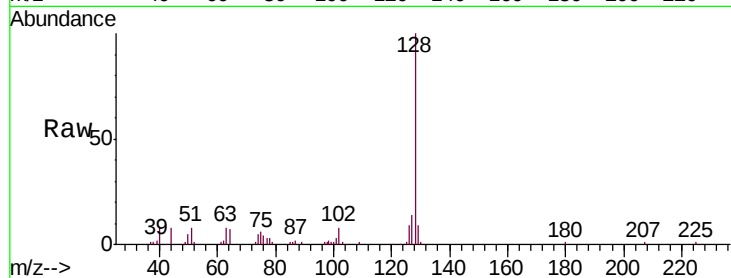
Tgt Ion:128 Resp: 58990

Ion Ratio Lower Upper

128 100

127 13.4 10.8 16.2

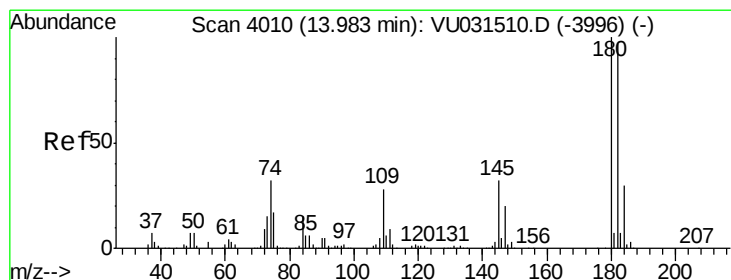
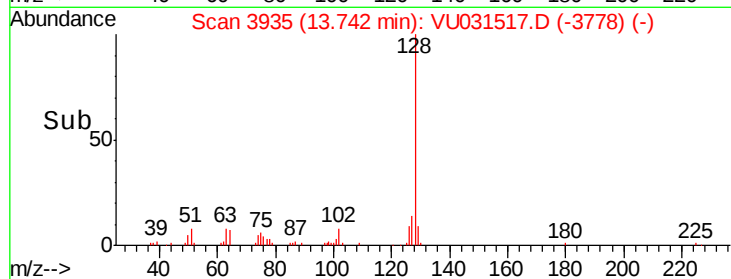
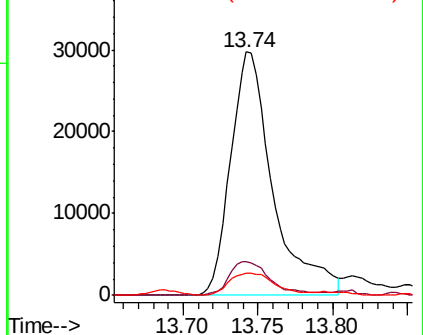
129 9.9 8.2 12.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 1.934 ug/l

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

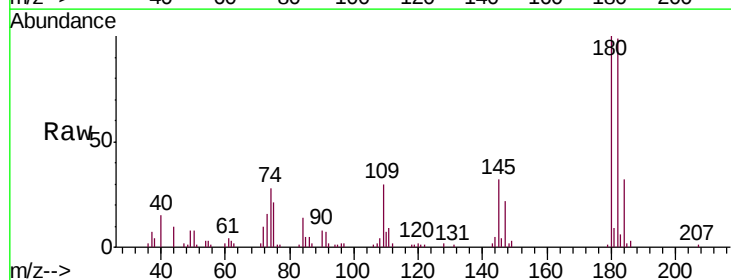
Tgt Ion:180 Resp: 37767

Ion Ratio Lower Upper

180 100

182 93.6 77.1 115.7

145 32.9 25.9 38.9



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

