

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011619\
 Data File : VU029198.D
 Acq On : 16 Jan 2019 10:37
 Operator : JC/SP
 Sample : VU0116WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0116WBSD01

Quant Time: Jan 17 00:56:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	107535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	176087	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	163741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	80303	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	70519	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
35) Dibromofluoromethane	4.88	113	60034	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
50) Toluene-d8	7.56	98	229013	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
62) 4-Bromofluorobenzene	10.30	95	79637	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	20809	19.513	ug/l	99
3) Chloromethane	1.33	50	31180	17.869	ug/l	98
4) Vinyl Chloride	1.40	62	31898	20.297	ug/l	96
5) Bromomethane	1.62	94	18268	20.838	ug/l	98
6) Chloroethane	1.69	64	19250	20.564	ug/l	99
7) Trichlorofluoromethane	1.88	101	35655	20.821	ug/l	99
8) Diethyl Ether	2.10	74	17619	21.416	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	22459	19.601	ug/l	96
10) Methyl Iodide	2.41	142	24107	22.376	ug/l	99
11) Tert butyl alcohol	2.82	59	38925	115.197	ug/l	98
12) 1,1-Dichloroethene	2.28	96	21073	18.895	ug/l	95
13) Acrolein	2.19	56	20420	80.480	ug/l	100
14) Allyl chloride	2.59	41	40314	19.700	ug/l	91
15) Acrylonitrile	2.93	53	96506	116.415	ug/l	100
16) Acetone	2.32	43	90768	108.388	ug/l	98
17) Carbon Disulfide	2.48	76	68986	18.326	ug/l	100
18) Methyl Acetate	2.61	43	48389	24.851	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	84594	21.574	ug/l	99
20) Methylene Chloride	2.70	84	29360	20.649	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	25660	19.803	ug/l	96
22) Diisopropyl ether	3.57	45	90161	22.293	ug/l	96
23) Vinyl Acetate	3.52	43	365495	110.545	ug/l	100
24) 1,1-Dichloroethane	3.44	63	51738	22.160	ug/l	99
25) 2-Butanone	4.26	43	133659	118.170	ug/l	99
26) 2,2-Dichloropropane	4.22	77	42037	22.283	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	30488	21.513	ug/l	98
28) Bromochloromethane	4.55	49	22492	22.498	ug/l	96
29) Tetrahydrofuran	4.64	42	79763	116.270	ug/l	99
30) Chloroform	4.67	83	50512	22.715	ug/l	98
31) Cyclohexane	4.99	56	46990	20.662	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	40245	21.903	ug/l	97
36) 1,1-Dichloropropene	5.13	75	35677	20.270	ug/l	99
37) Ethyl Acetate	4.38	43	43881	22.713	ug/l	99
38) Carbon Tetrachloride	5.13	117	33071	22.528	ug/l	97

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Quant Time: Jan 17 00:56:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	43006	19.875	ug/l	99
40) Benzene	5.39	78	116972	21.306	ug/l	99
41) Methacrylonitrile	4.54	41	23516	22.739	ug/l	99
42) 1,2-Dichloroethane	5.40	62	37451	22.701	ug/l	97
43) Isopropyl Acetate	5.55	43	67596	22.809	ug/l	99
44) Trichloroethene	6.19	130	27797	20.434	ug/l	96
45) 1,2-Dichloropropane	6.43	63	32922	22.708	ug/l	96
46) Dibromomethane	6.56	93	20250	21.849	ug/l	99
47) Bromodichloromethane	6.75	83	38393	22.499	ug/l	100
48) Methyl methacrylate	6.62	41	33456	23.184	ug/l	99
49) 1,4-Dioxane	6.61	88	16237	474.789	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	235909	116.965	ug/l	99
52) Toluene	7.64	92	71359	21.351	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	43840	21.387	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	48420	21.860	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	30222	22.571	ug/l	98
56) Ethyl methacrylate	8.02	69	44039	21.349	ug/l	97
57) 1,3-Dichloropropane	8.24	76	51124	22.314	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	88841	97.931	ug/l	99
59) 2-Hexanone	8.36	43	185382	117.093	ug/l	98
60) Dibromochloromethane	8.48	129	28975	21.843	ug/l	98
61) 1,2-Dibromoethane	8.58	107	32274	22.225	ug/l	99
64) Tetrachloroethene	8.22	164	25269	21.423	ug/l	98
65) Chlorobenzene	9.12	112	77024	20.986	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	27181	22.820	ug/l	98
67) Ethyl Benzene	9.25	91	131010	21.380	ug/l	100
68) m/p-Xylenes	9.37	106	99446	41.767	ug/l	100
69) o-Xylene	9.78	106	47990	20.919	ug/l	99
70) Styrene	9.79	104	79016	21.010	ug/l	100
71) Bromoform	9.95	173	23751	22.395	ug/l #	98
73) Isopropylbenzene	10.16	105	126884	21.347	ug/l	100
74) N-amyl acetate	10.01	43	56793	22.174	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	52450	22.017	ug/l	97
76) 1,2,3-Trichloropropane	10.49	75	59692	30.338	ug/l	81
77) Bromobenzene	10.45	156	32029	20.678	ug/l	97
78) n-propylbenzene	10.58	91	151702	21.657	ug/l	99
79) 2-Chlorotoluene	10.66	91	91046	21.427	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	107040	21.565	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	59692	78.244	ug/l #	100
82) 4-Chlorotoluene	10.77	91	102844	21.108	ug/l	98
83) tert-Butylbenzene	11.10	119	103826	21.223	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	108595	21.914	ug/l	100
85) sec-Butylbenzene	11.32	105	128874	21.782	ug/l	100
86) p-Isopropyltoluene	11.47	119	108951	21.610	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	57300	20.168	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	59906	20.427	ug/l	99
89) n-Butylbenzene	11.89	91	99101	22.023	ug/l	99
90) Hexachloroethane	12.14	117	18428	21.727	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	58983	20.611	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10578	23.087	ug/l	96

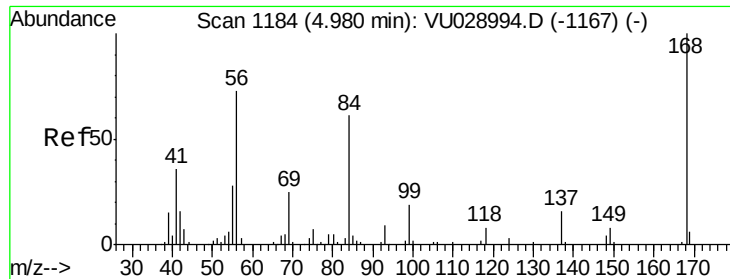
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011619\
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Quant Time: Jan 17 00:56:24 2019
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Quant Title : SW846 8260
QLast Update : Sat Jan 12 01:33:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	37772	20.677	ug/l	98
94) Hexachlorobutadiene	13.69	225	18840	22.548	ug/l	97
95) Naphthalene	13.74	128	121359	19.529	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	39411	21.407	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

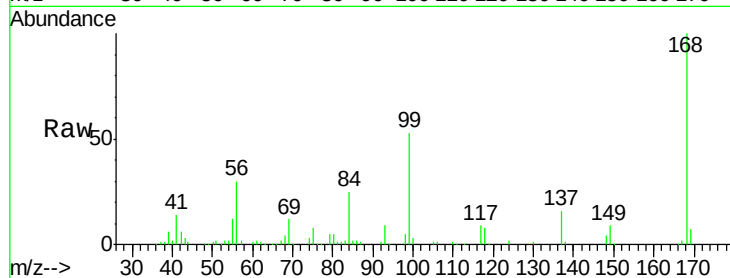
VU0116WBSD01

Tot Ion:168 Resp: 107535

Ion Ratio Lower Upper

168 100

99 52.9 42.0 63.0



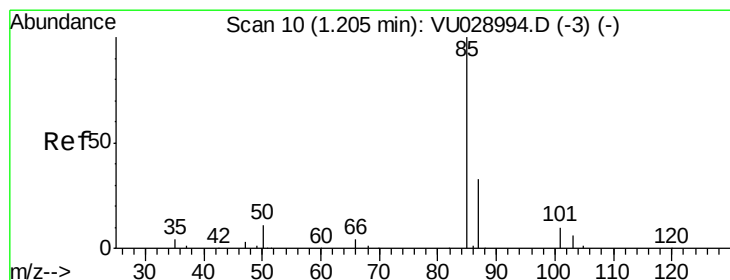
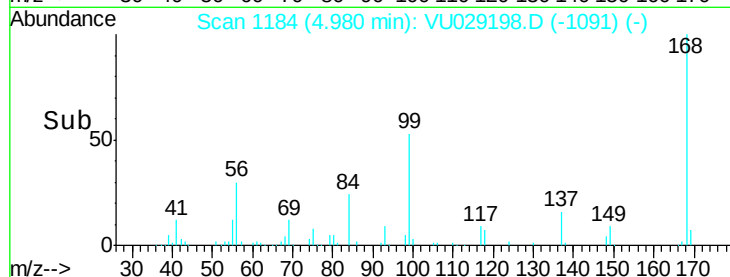
Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.513 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029198.D

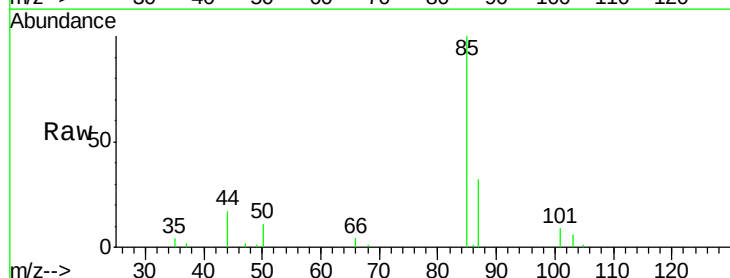
Acq: 16 Jan 2019 10:37

Tgt Ion: 85 Resp: 20809

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.8



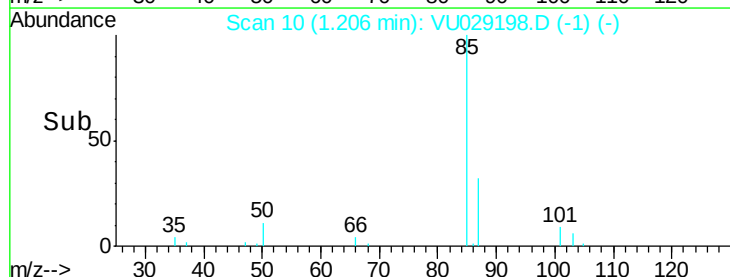
Abundance Ion 84.90 (84.60 to 85.60): VU028994.D (-3) (-)

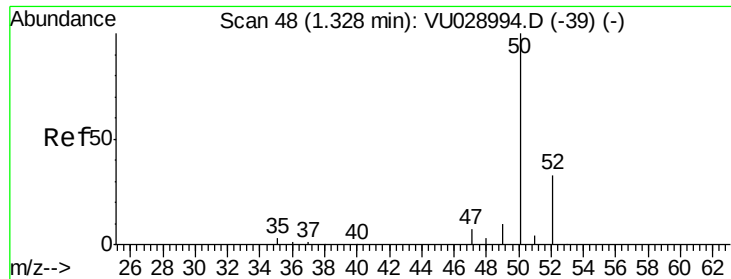
Ion 86.90 (86.60 to 87.60): VU028994.D (-3) (-)

1.21

1.20 1.21 1.22 1.23 1.24 1.25

Time-->

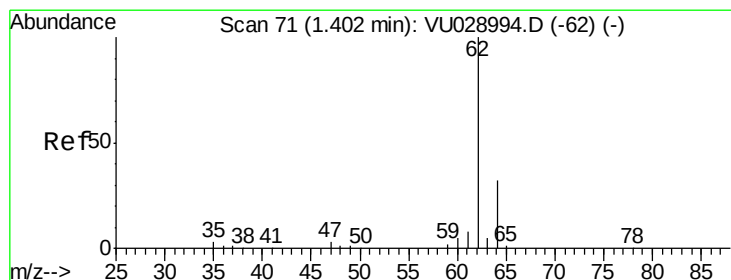
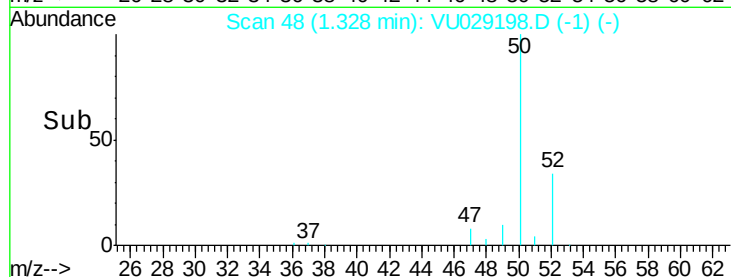
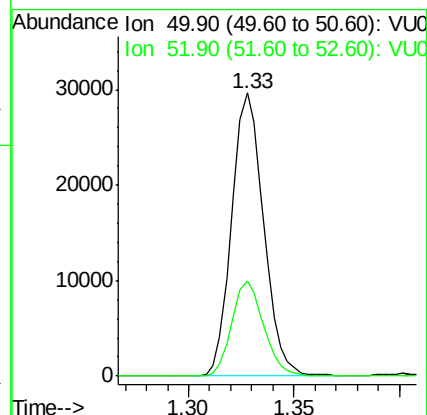
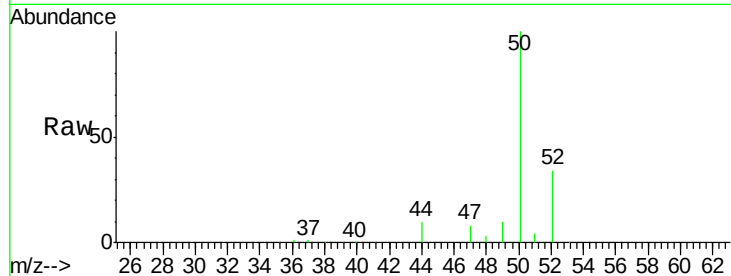




#3
Chloromethane
Concen: 17.869 ug/l
RT: 1.33 min Scan# 48
Delta R.T. 0.00 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

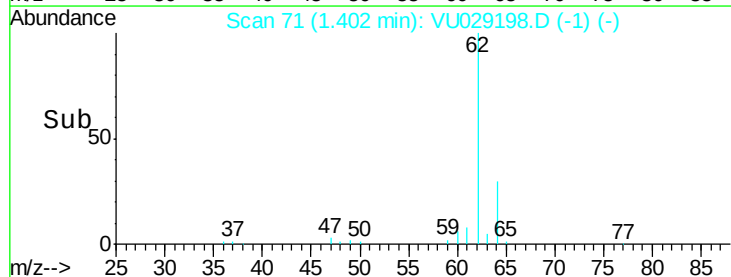
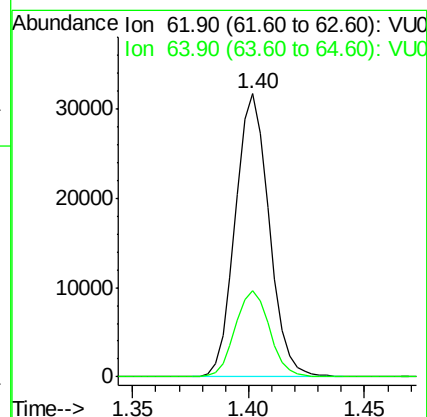
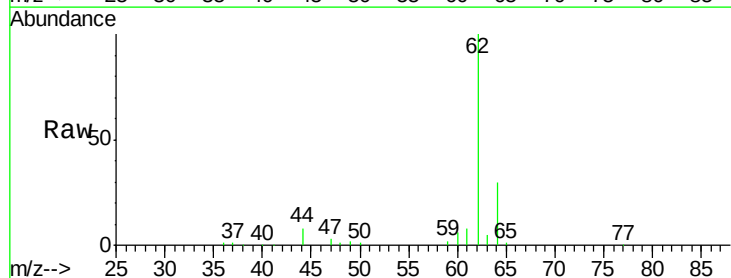
Instrument :
MSVOA_U
ClientSampleId :
VU0116WBSD01

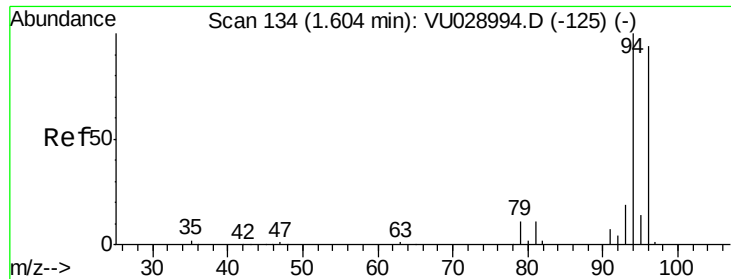
Tot Ion: 50 Resp: 31180
Ion Ratio Lower Upper
50 100
52 33.5 26.1 39.1



#4
Vinyl Chloride
Concen: 20.297 ug/l
RT: 1.40 min Scan# 71
Delta R.T. 0.00 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

Tgt Ion: 62 Resp: 31898
Ion Ratio Lower Upper
62 100
64 30.3 25.9 38.9

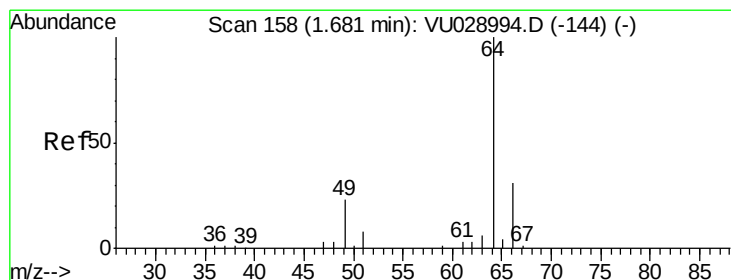
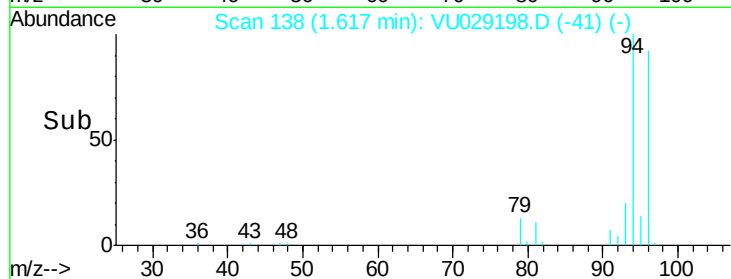
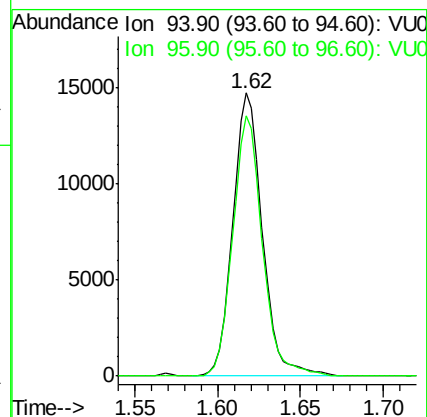
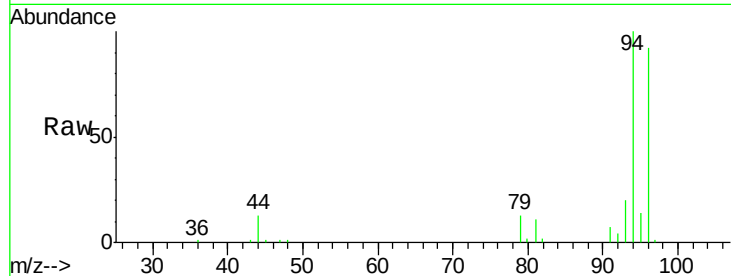




#5
Bromomethane
Concen: 20.838 ug/l
RT: 1.62 min Scan# 138
Delta R.T. 0.01 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

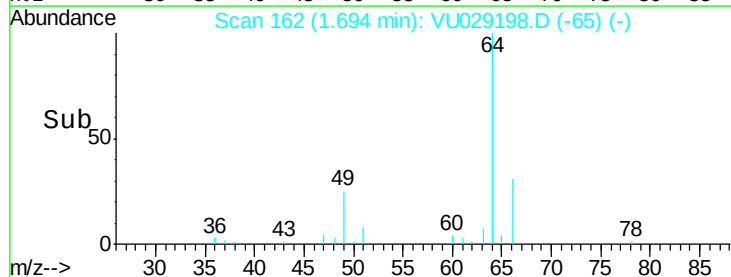
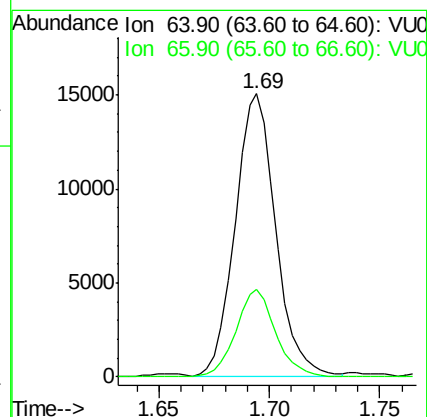
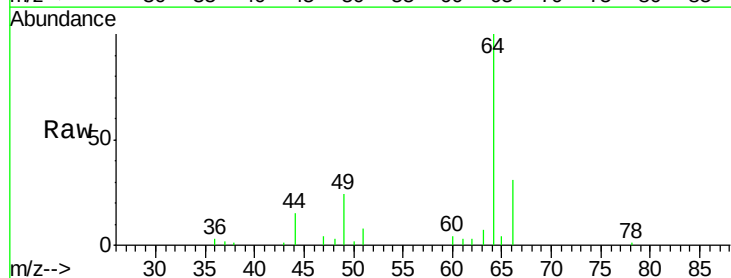
Instrument :
MSVOA_U
ClientSampleId :
VU0116WBSD01

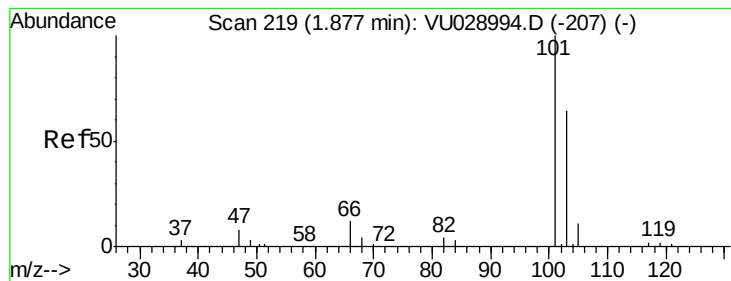
Tot Ion: 94 Resp: 18268
Ion Ratio Lower Upper
94 100
96 92.1 75.5 113.3



#6
Chloroethane
Concen: 20.564 ug/l
RT: 1.69 min Scan# 162
Delta R.T. 0.01 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

Tgt Ion: 64 Resp: 19250
Ion Ratio Lower Upper
64 100
66 30.8 25.2 37.8



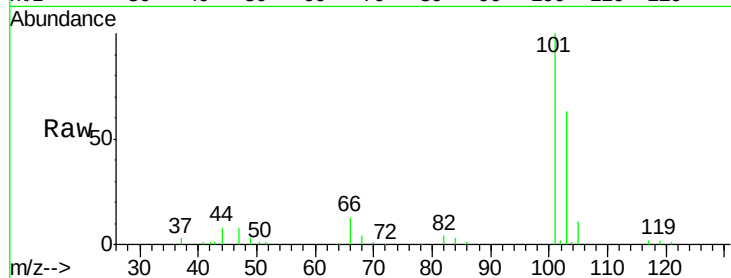


#7

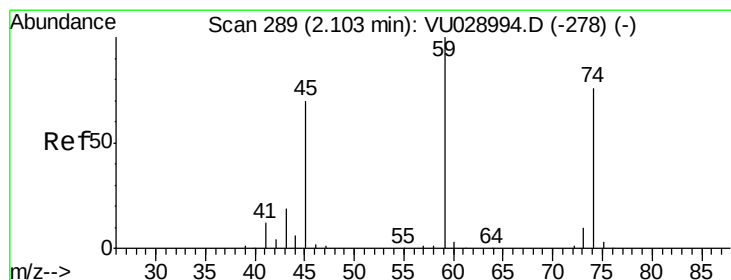
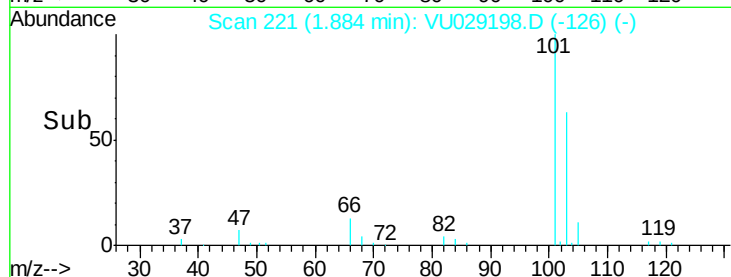
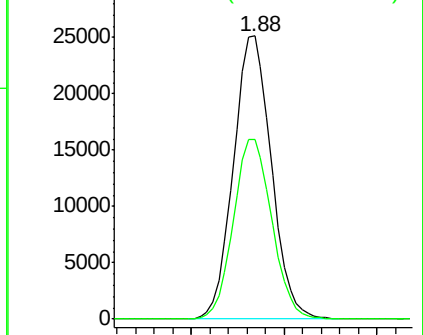
Trichlorofluoromethane
 Concen: 20.821 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VU029198.D
 Acq: 16 Jan 2019 10:37

Instrument :
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 ClientSampleId :
 VU0116WBSD01

Tot Ion:101 Resp: 35655
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.5 77.3



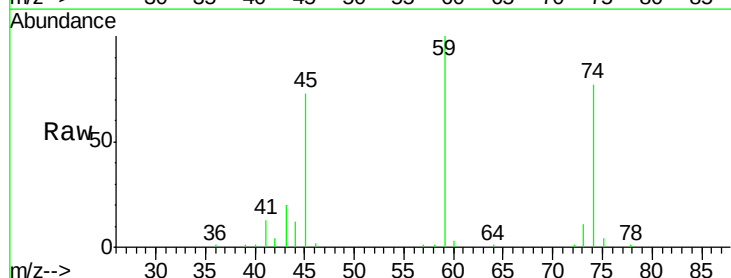
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



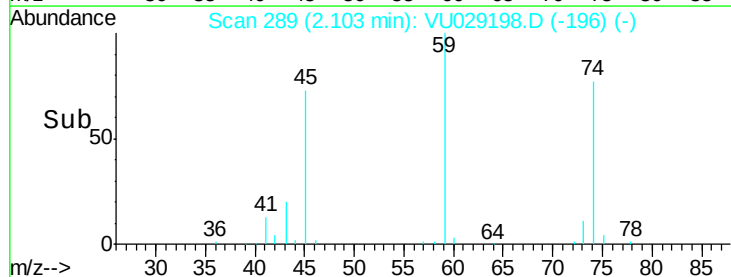
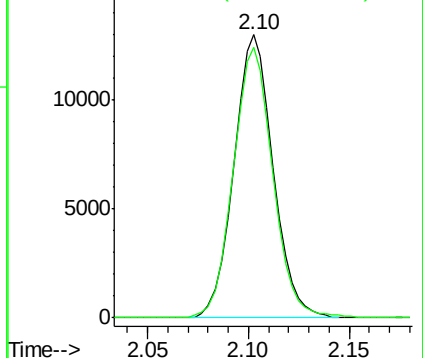
#8

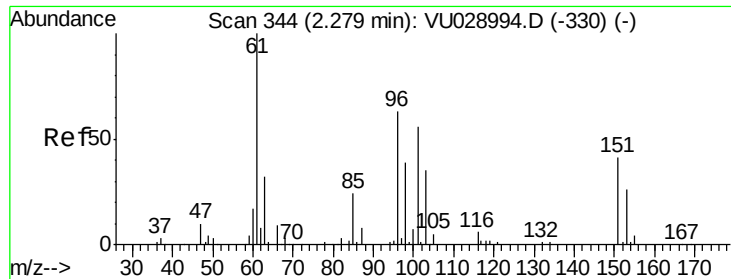
Diethyl Ether
 Concen: 21.416 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU029198.D
 Acq: 16 Jan 2019 10:37

Tgt Ion: 74 Resp: 17619
 Ion Ratio Lower Upper
 74 100
 45 96.9 46.9 140.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.601 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

VU0116WBSD01

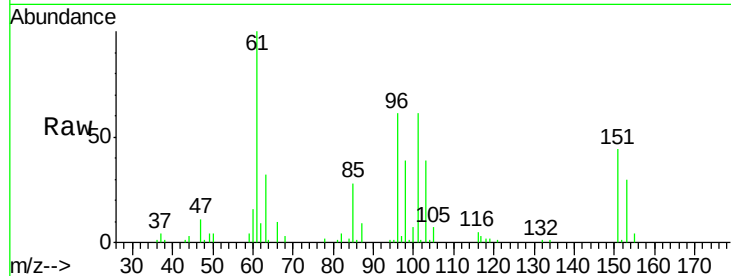
Tot Ion:101 Resp: 22459

Ion Ratio Lower Upper

101 100

85 43.0 35.1 52.7

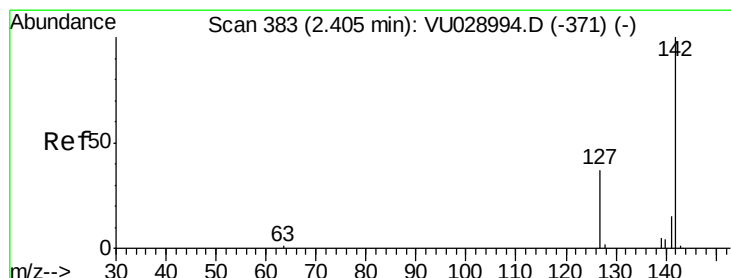
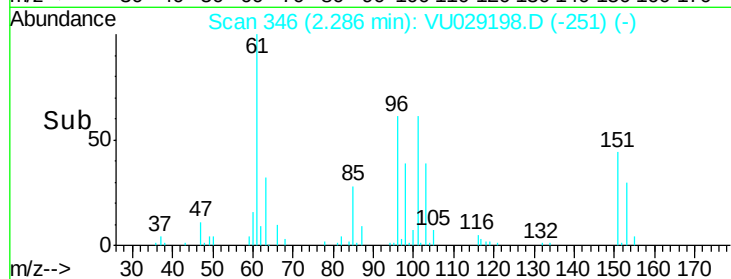
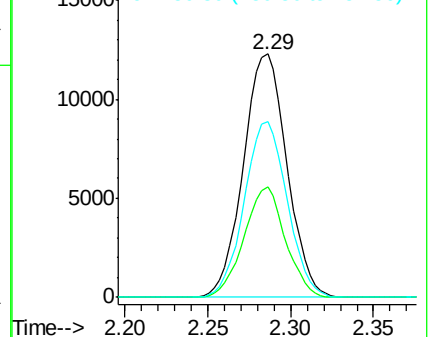
151 71.0 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.376 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

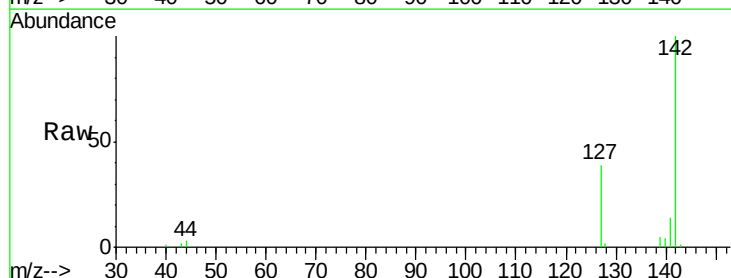
Tgt Ion:142 Resp: 24107

Ion Ratio Lower Upper

142 100

127 37.6 29.8 44.6

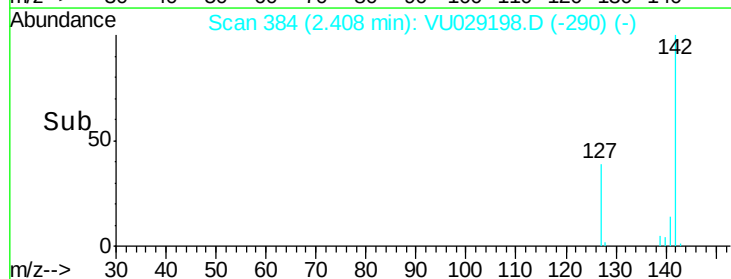
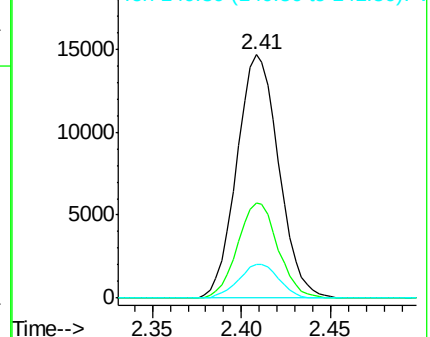
141 13.3 11.5 17.3

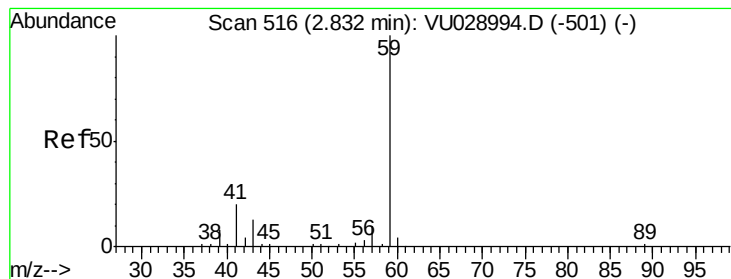


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



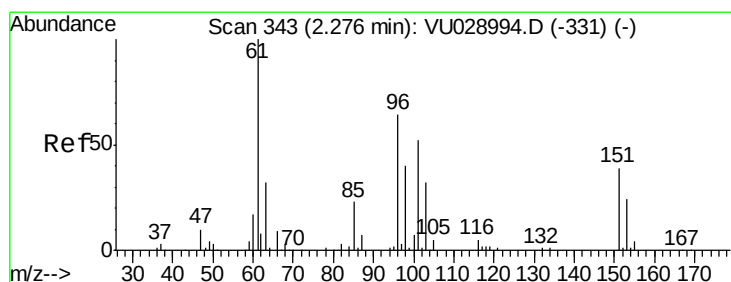
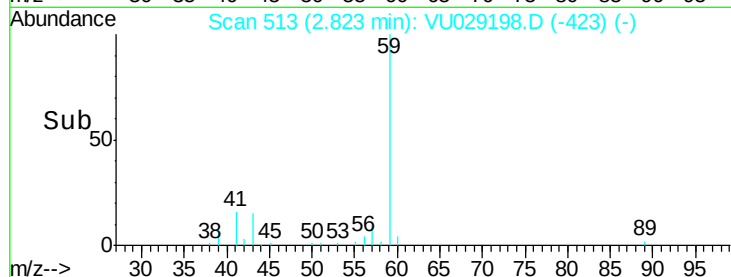
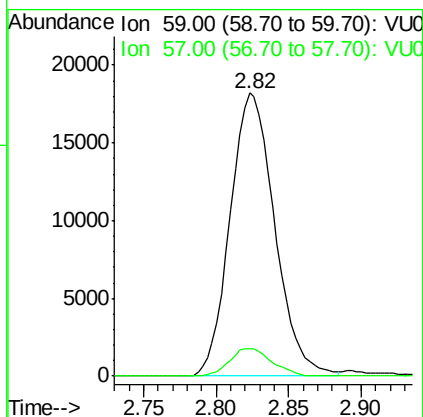
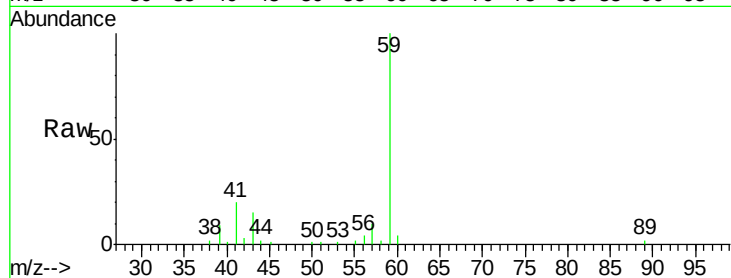


#11

Tert butyl alcohol
 Concen: 115.197 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: VU029198.D
 Acq: 16 Jan 2019 10:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0116WBSD01

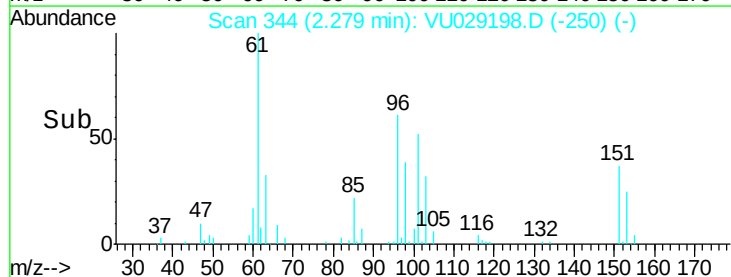
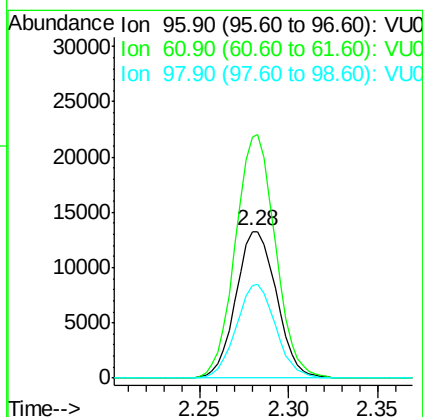
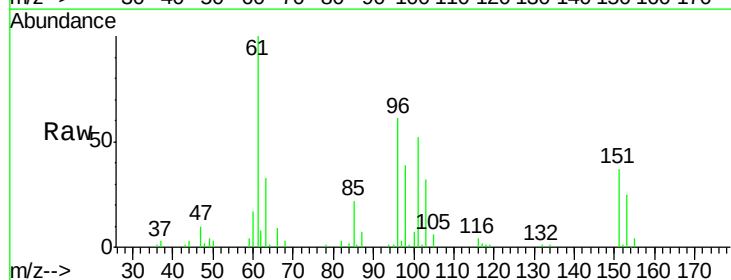
Tot Ion: 59 Resp: 38925
 Ion Ratio Lower Upper
 59 100
 57 9.2 7.9 11.9

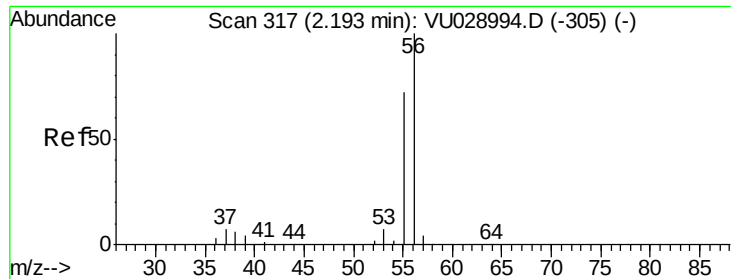


#12

1,1-Dichloroethene
 Concen: 18.895 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VU029198.D
 Acq: 16 Jan 2019 10:37

Tgt Ion: 96 Resp: 21073
 Ion Ratio Lower Upper
 96 100
 61 164.6 125.4 188.0
 98 63.4 49.7 74.5

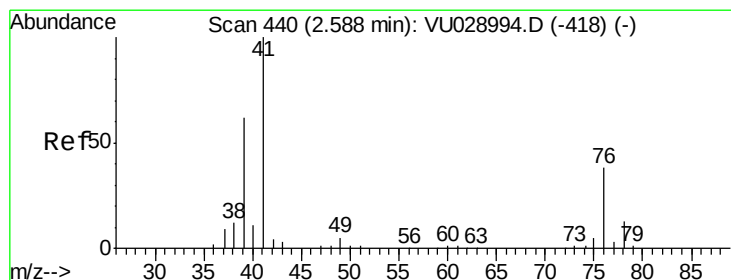
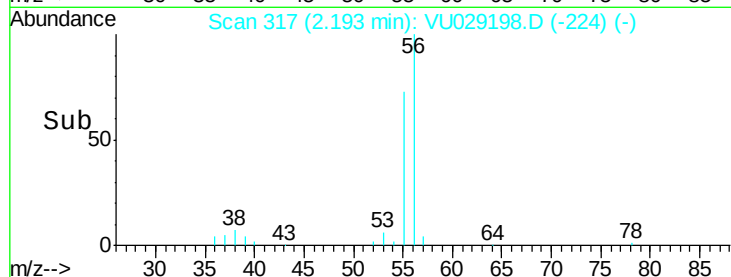
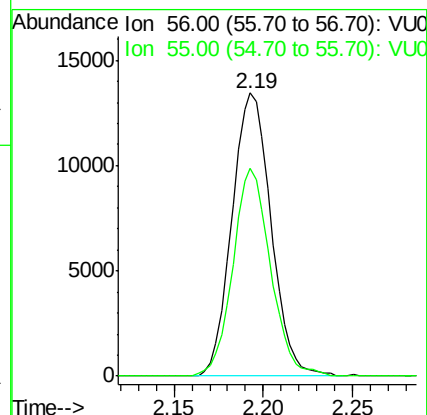
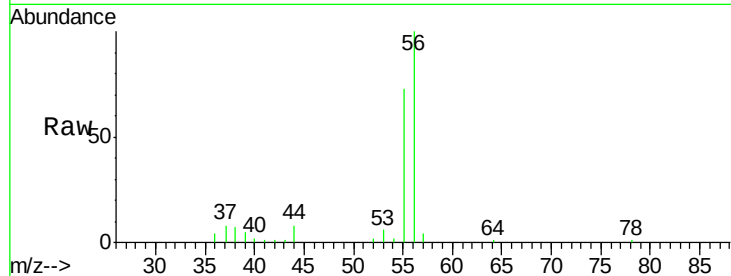




#13
Acrolein
Concen: 80.480 ug/l
RT: 2.19 min Scan# 317
Delta R.T. 0.00 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

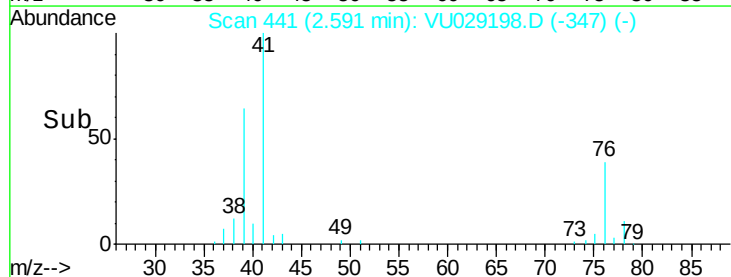
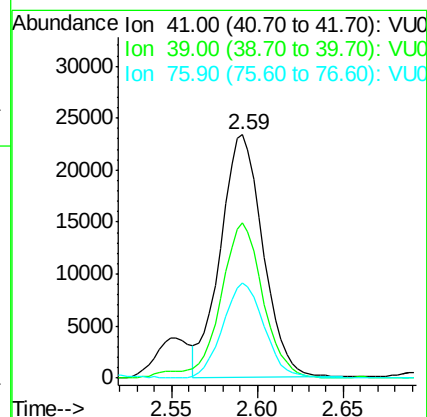
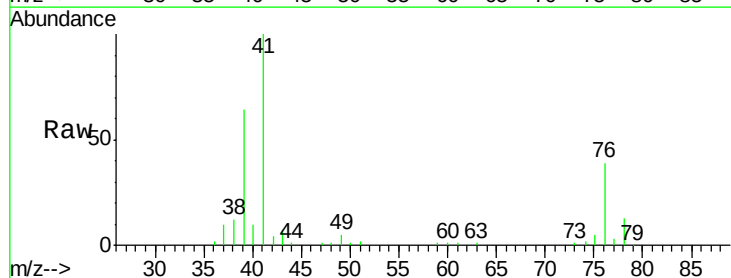
Instrument :
MSVOA_U
ClientSampleId :
VU0116WBSD01

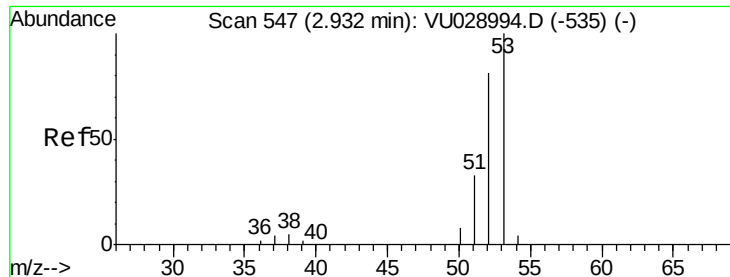
Tot Ion: 56 Resp: 20420
Ion Ratio Lower Upper
56 100
55 70.6 56.5 84.7



#14
Allyl chloride
Concen: 19.700 ug/l
RT: 2.59 min Scan# 441
Delta R.T. 0.00 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

Tgt Ion: 41 Resp: 40314
Ion Ratio Lower Upper
41 100
39 64.3 45.0 67.6
76 38.3 28.1 42.1





#15

Acrylonitrile

Concen: 116.415 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

VU0116WBSD01

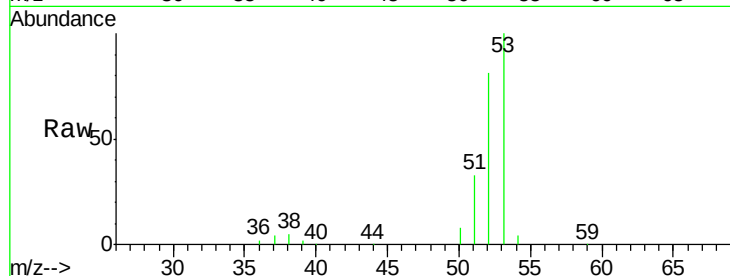
Tot Ion: 53 Resp: 96506

Ion Ratio Lower Upper

53 100

52 80.4 64.8 97.2

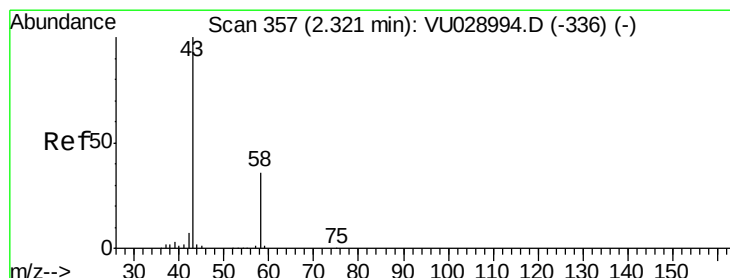
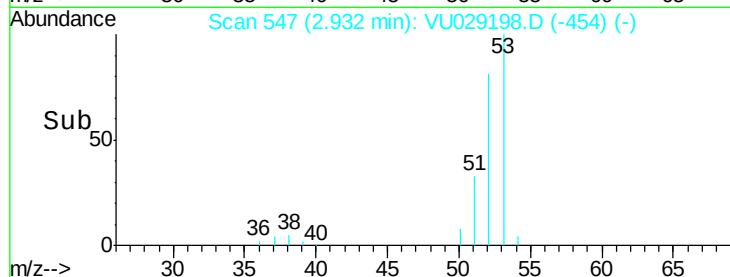
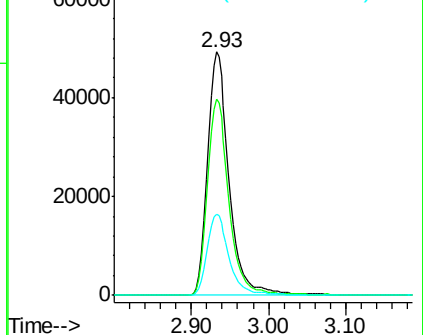
51 34.0 27.3 40.9



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 108.388 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029198.D

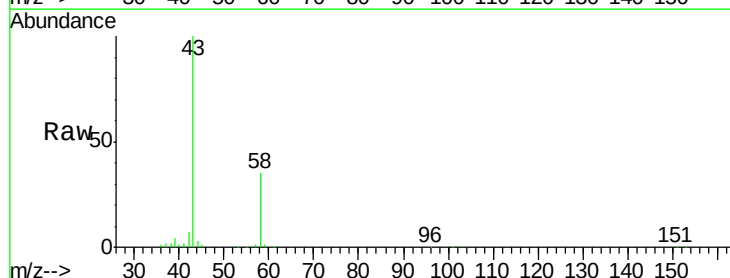
Acq: 16 Jan 2019 10:37

Tgt Ion: 43 Resp: 90768

Ion Ratio Lower Upper

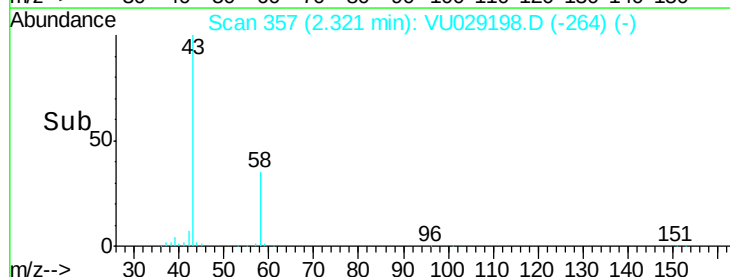
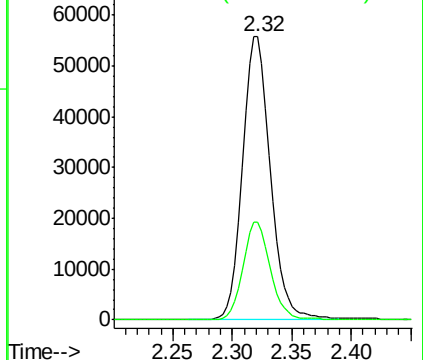
43 100

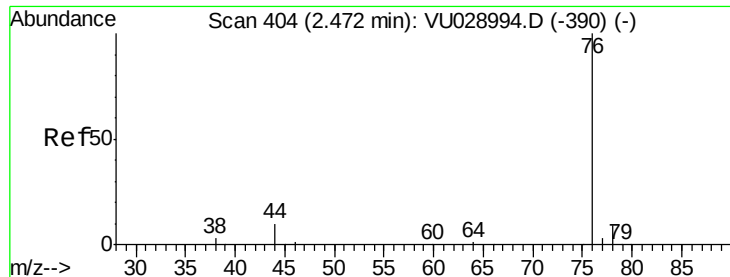
58 34.7 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 18.326 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

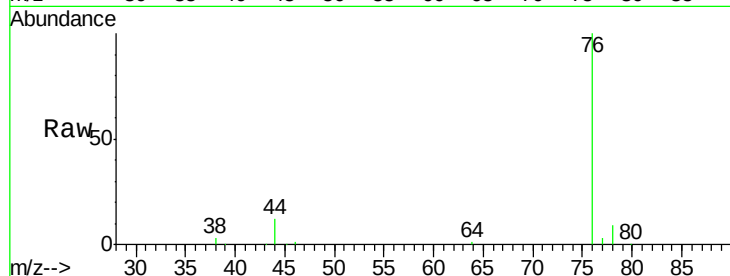
VU0116WBSD01

Tot Ion: 76 Resp: 68986

Ion Ratio Lower Upper

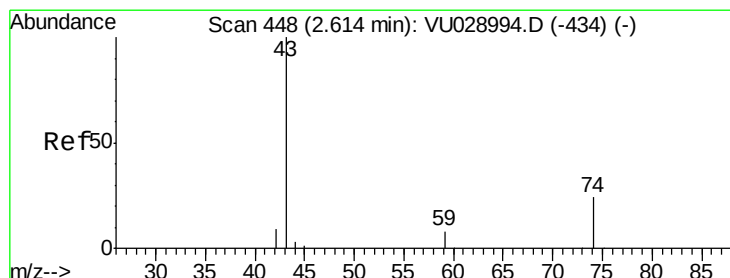
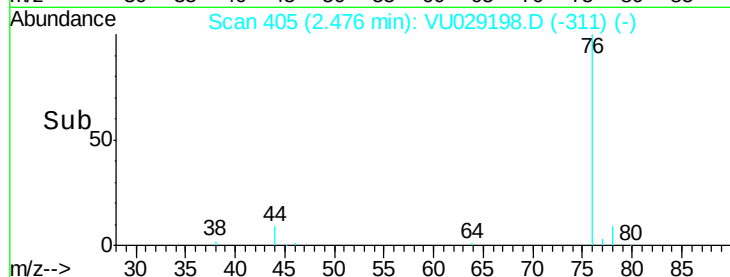
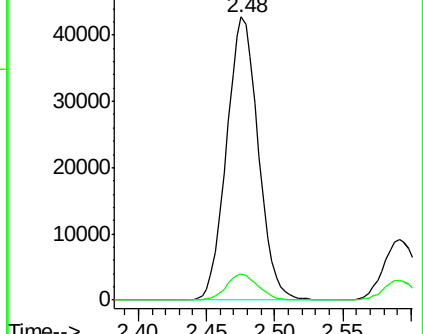
76 100

78 9.2 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 24.851 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029198.D

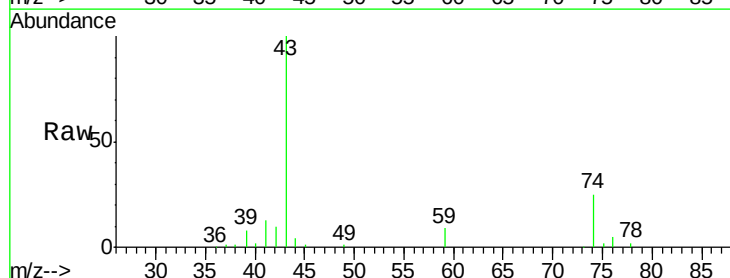
Acq: 16 Jan 2019 10:37

Tgt Ion: 43 Resp: 48389

Ion Ratio Lower Upper

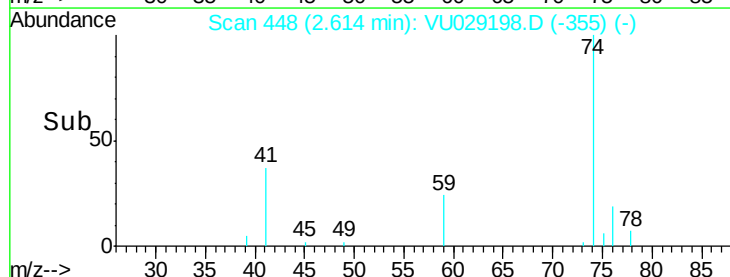
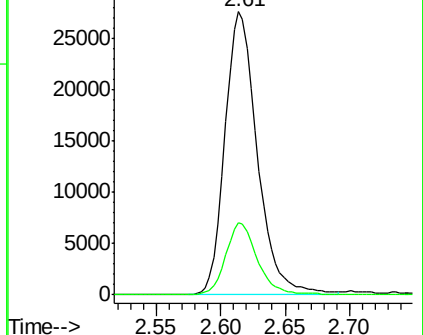
43 100

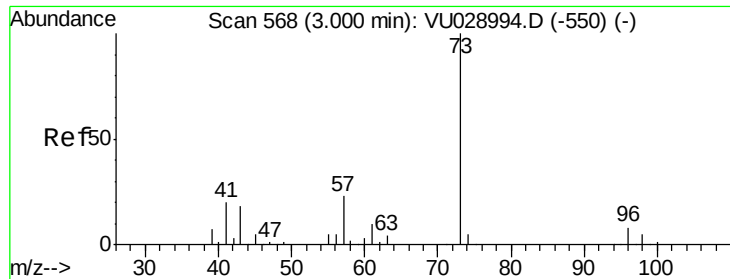
74 24.8 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

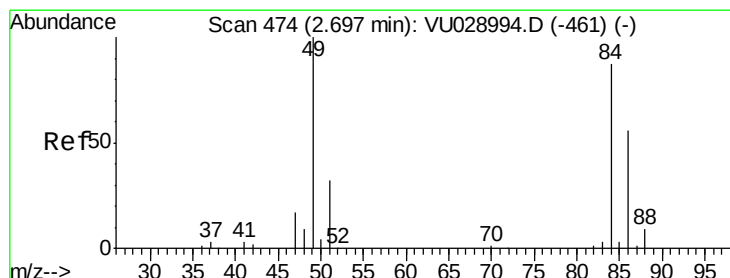
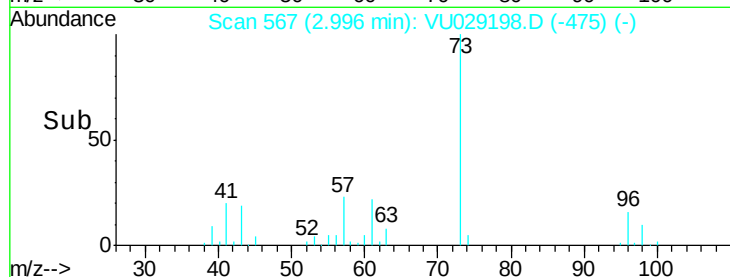
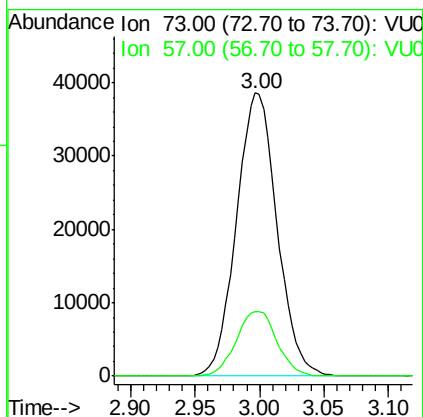
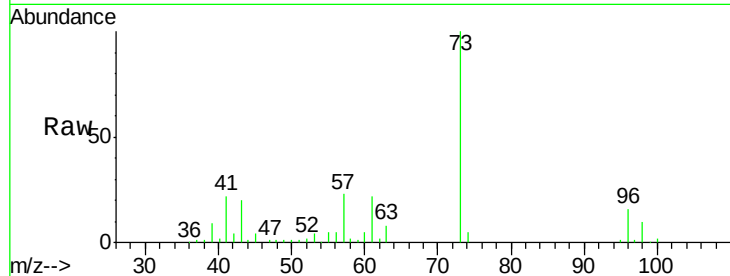




#19
Methyl tert-butyl Ether
Concen: 21.574 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

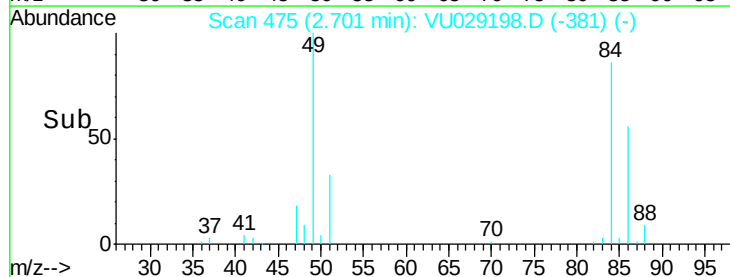
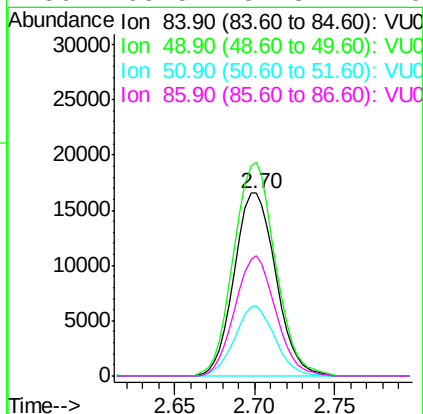
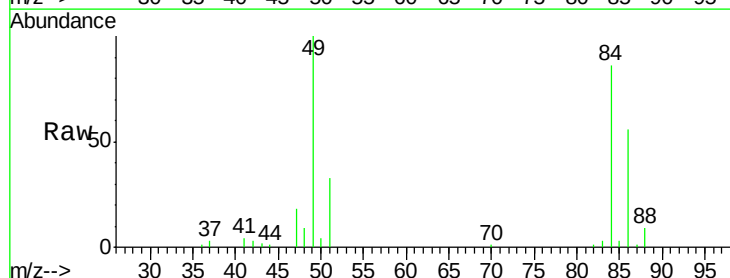
Instrument :
MSVOA_U
ClientSampleId :
VU0116WBSD01

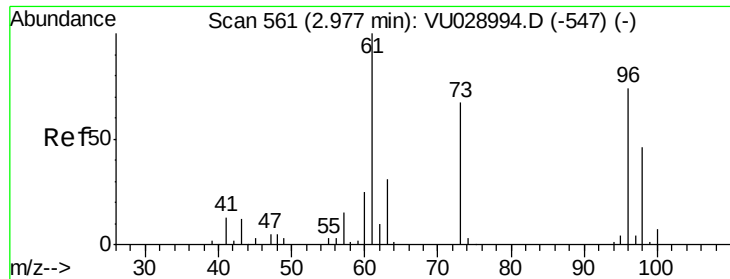
Tot Ion: 73 Resp: 84594
Ion Ratio Lower Upper
73 100
57 22.8 18.6 28.0



#20
Methylene Chloride
Concen: 20.649 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

Tgt Ion: 84 Resp: 29360
Ion Ratio Lower Upper
84 100
49 116.7 91.9 137.9
51 38.3 29.2 43.8
86 65.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.803 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

VU0116WBSD01

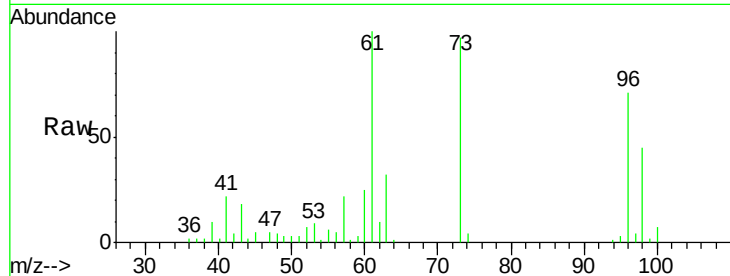
Tot Ion: 96 Resp: 25660

Ion Ratio Lower Upper

96 100

61 140.2 107.7 161.5

98 63.1 49.2 73.8

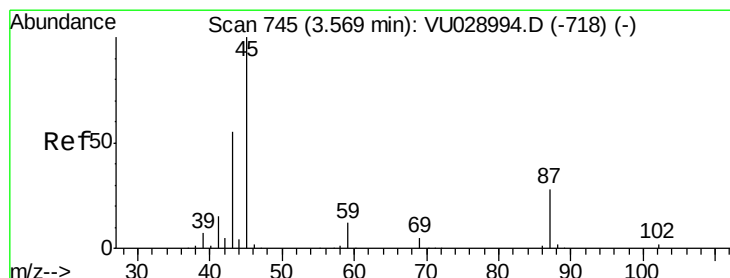
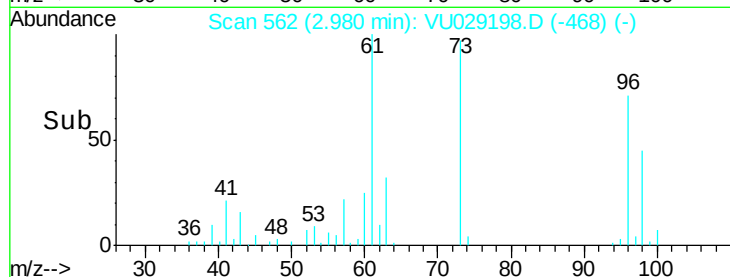
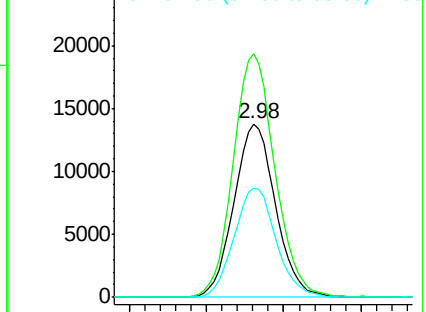


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 22.293 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

Tgt Ion: 45 Resp: 90161

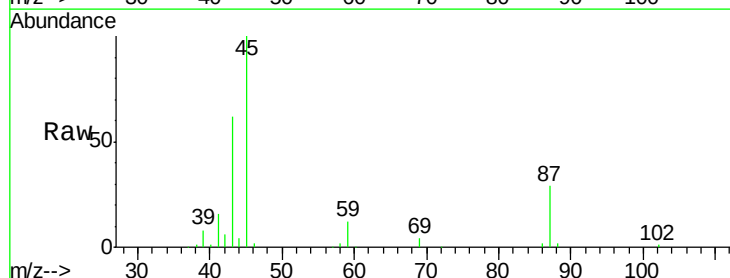
Ion Ratio Lower Upper

45 100

43 60.6 44.7 67.1

87 28.6 22.2 33.2

59 12.1 9.8 14.8



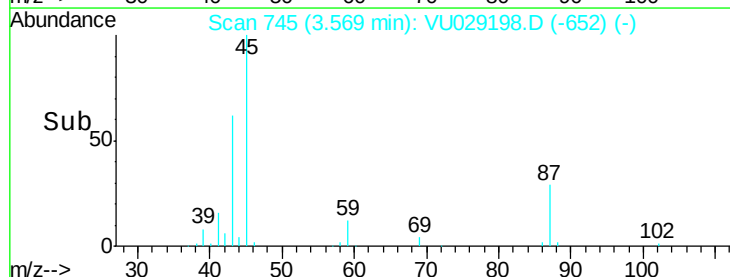
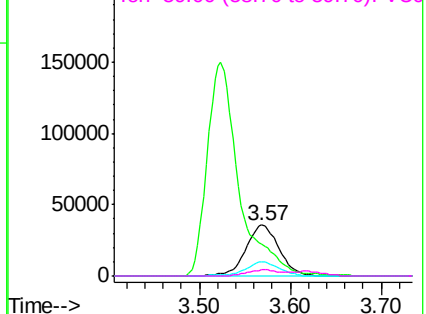
Abundance

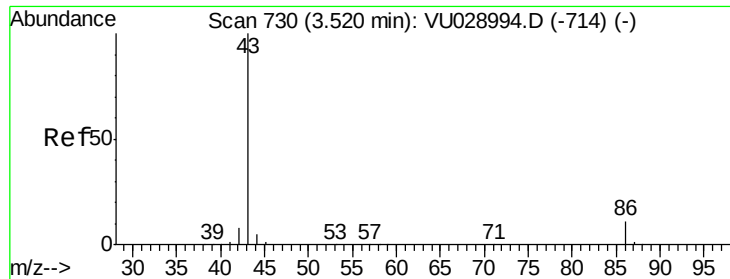
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 110.545 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

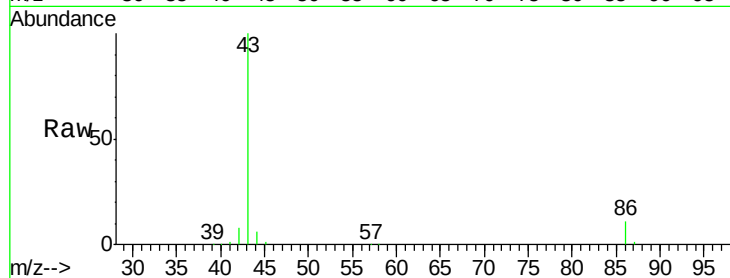
VU0116WBSD01

Tot Ion: 43 Resp: 365495

Ion Ratio Lower Upper

43 100

86 10.9 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VU029198.D (-637) (-)

Ion 86.00 (85.70 to 86.70): VU029198.D (-637) (-)

150000

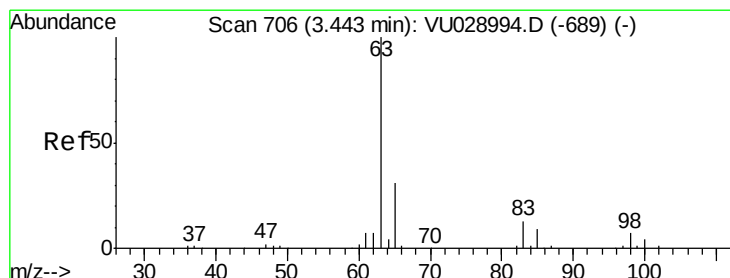
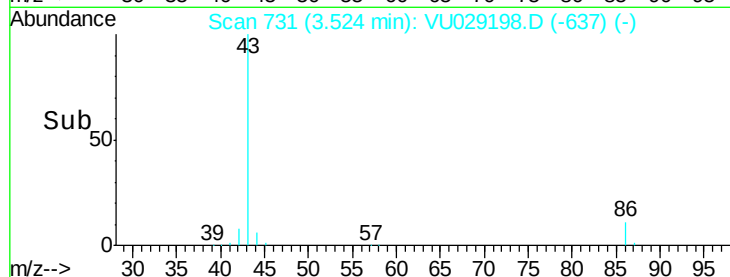
100000

50000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 22.160 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

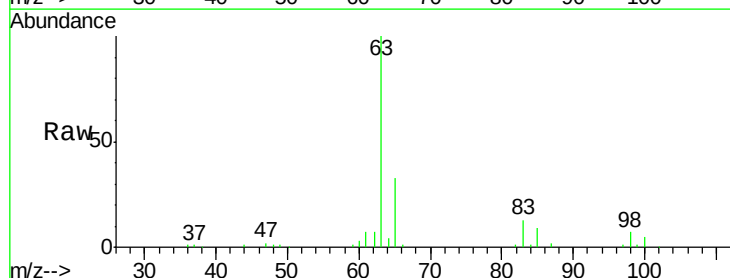
Tgt Ion: 63 Resp: 51738

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

100 4.6 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU029198.D (-613) (-)

Ion 97.90 (97.60 to 98.60): VU029198.D (-613) (-)

Ion 99.90 (99.60 to 100.60): VU029198.D (-613) (-)

30000

25000

20000

15000

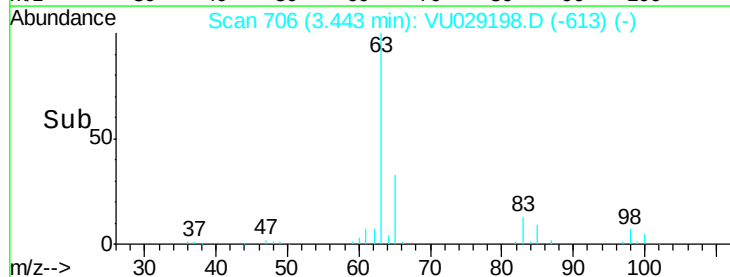
10000

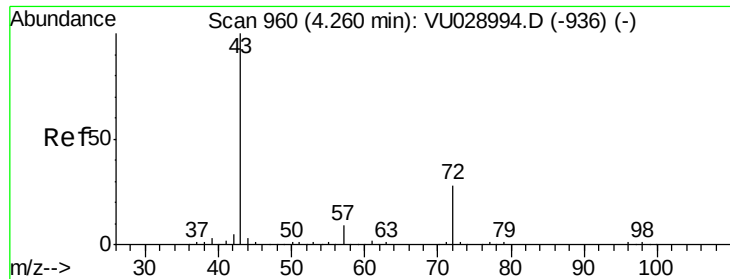
5000

0

3.35 3.40 3.45 3.50 3.55

Time-->





#25

2-Butanone

Concen: 118.170 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

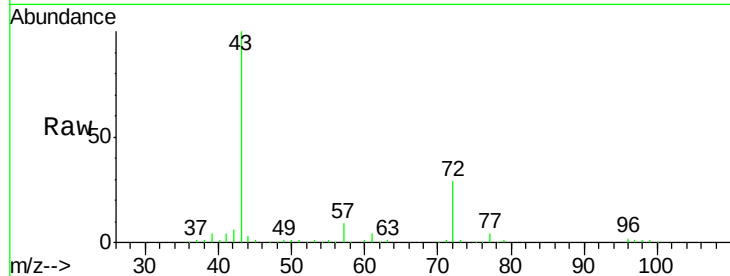
VU0116WBSD01

Tot Ion: 43 Resp: 133659

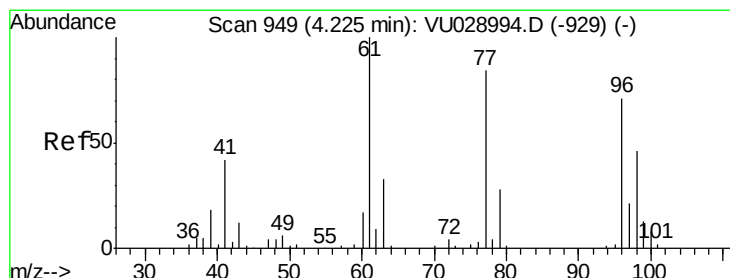
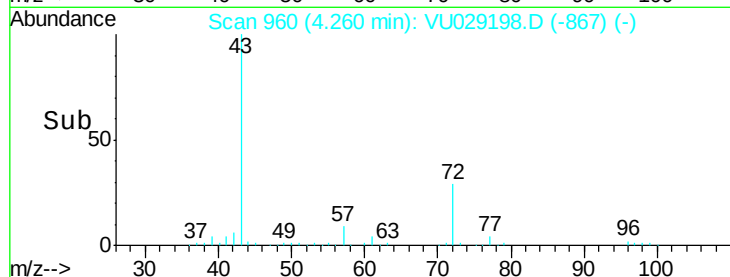
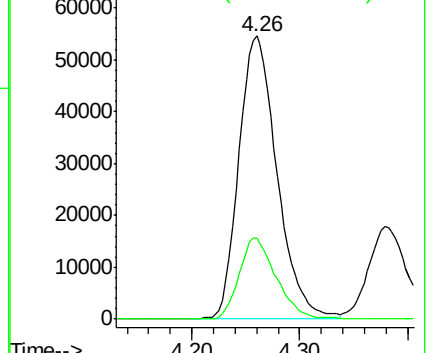
Ion Ratio Lower Upper

43 100

72 28.6 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-936) (-)



#26

2,2-Dichloropropane

Concen: 22.283 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029198.D

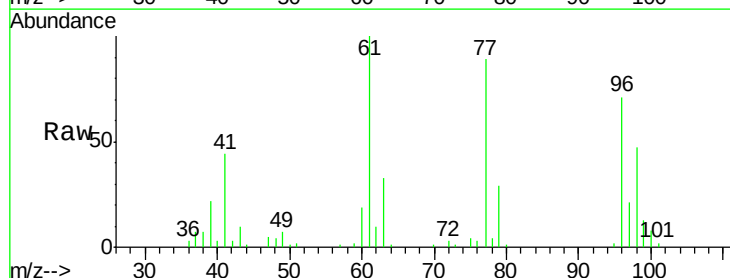
Acq: 16 Jan 2019 10:37

Tgt Ion: 77 Resp: 42037

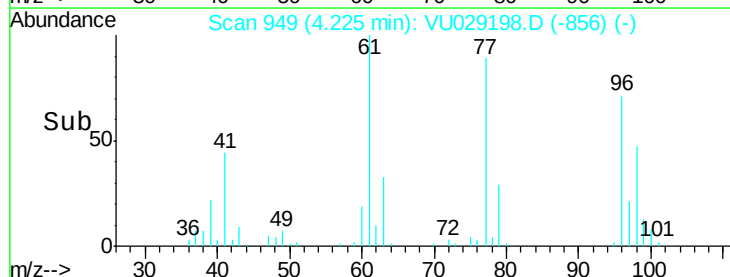
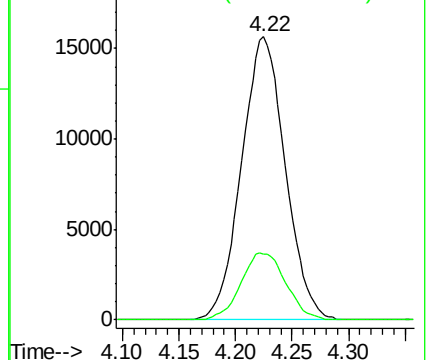
Ion Ratio Lower Upper

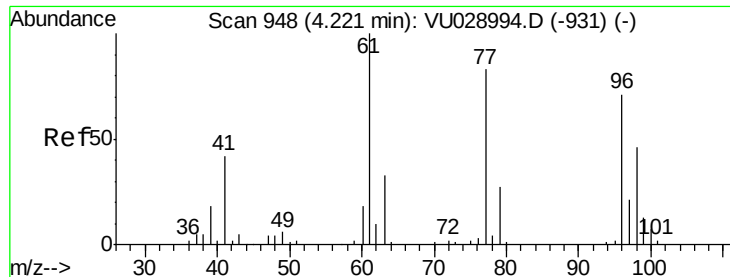
77 100

97 24.3 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU028994.D (-929) (-)



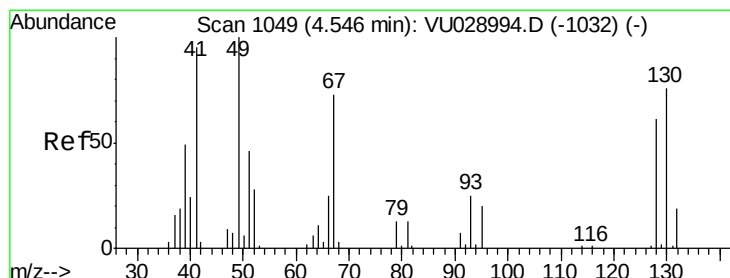
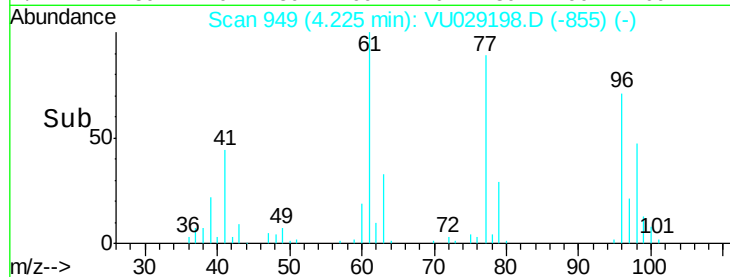
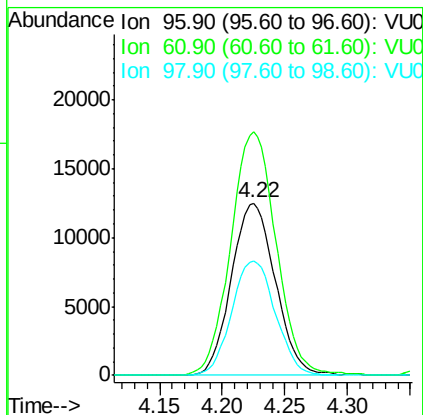
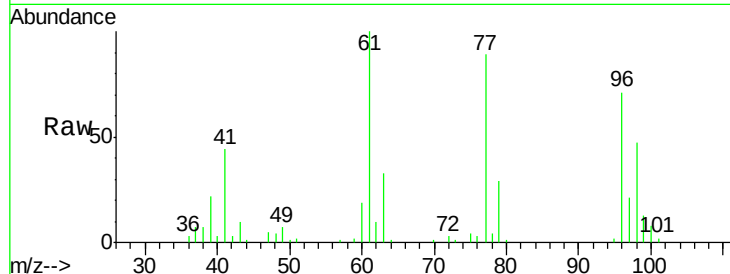


#27

cis-1,2-Dichloroethene
 Concen: 21.513 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU029198.D
 Acq: 16 Jan 2019 10:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0116WBSD01

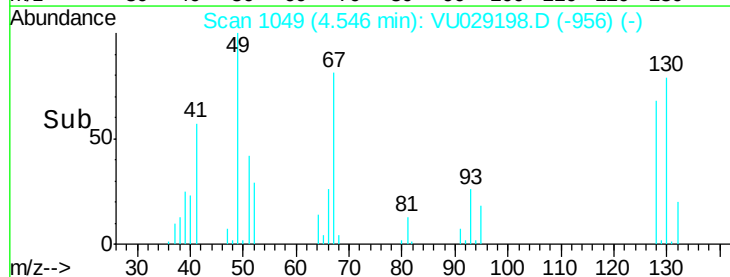
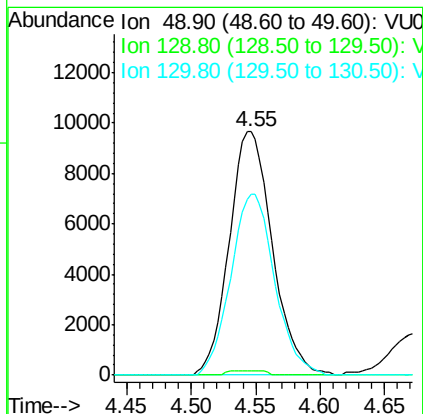
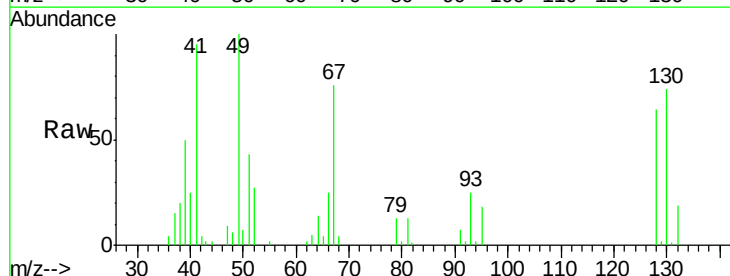
Tot Ion: 96 Resp: 30488
 Ion Ratio Lower Upper
 96 100
 61 146.0 0.0 285.6
 98 65.8 0.0 130.2

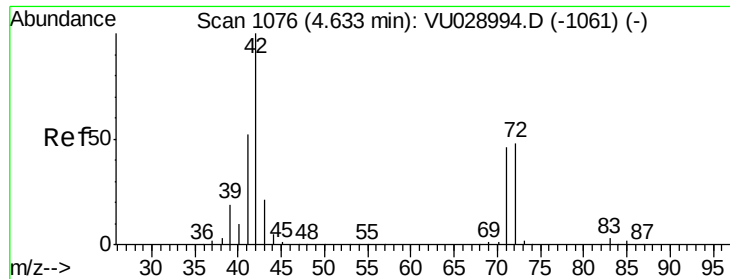


#28

Bromochloromethane
 Concen: 22.498 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VU029198.D
 Acq: 16 Jan 2019 10:37

Tgt Ion: 49 Resp: 22492
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 3.4
 130 75.4 62.9 94.3

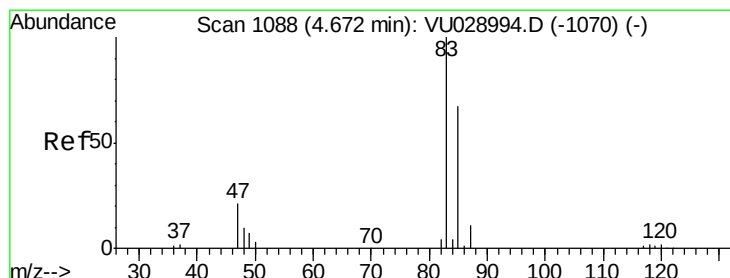
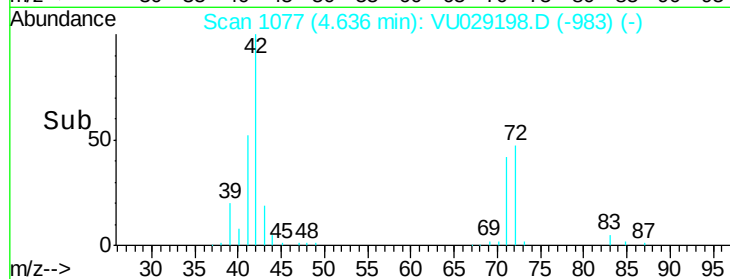
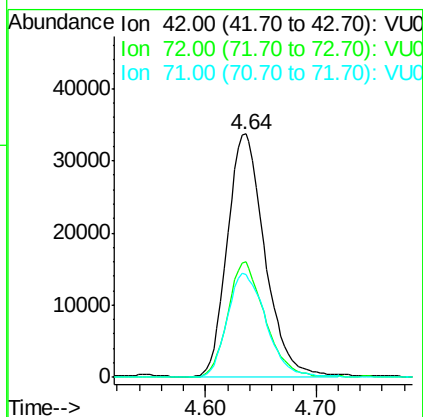
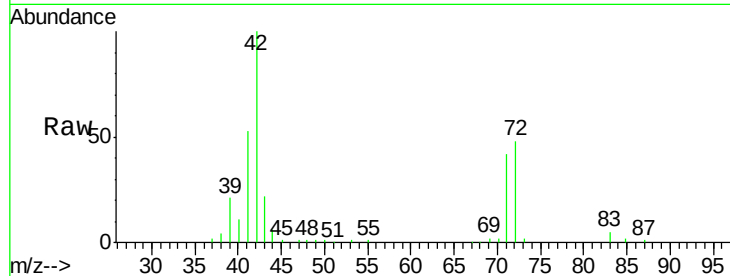




#29
Tetrahydrofuran
Concen: 116.270 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

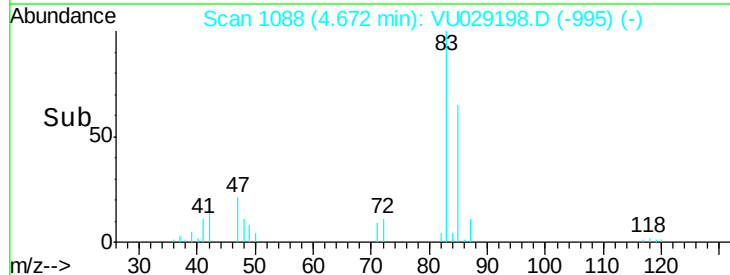
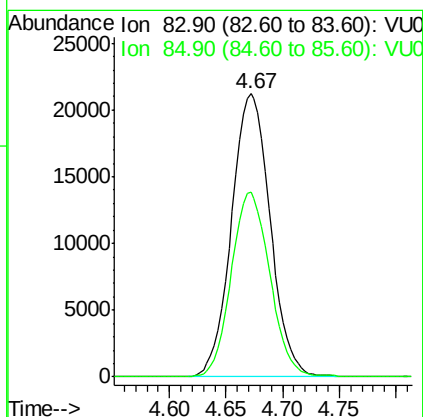
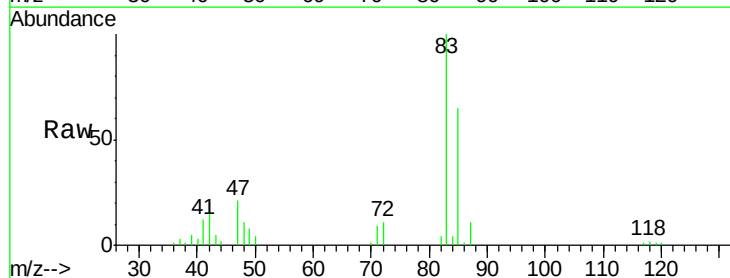
Instrument :
MSVOA_U
ClientSampleId :
VU0116WBSD01

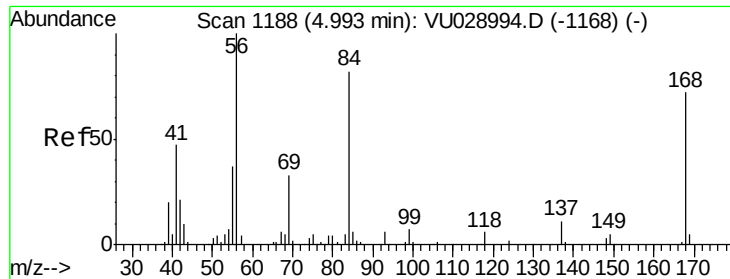
Tot Ion: 42 Resp: 79763
Ion Ratio Lower Upper
42 100
72 46.9 38.3 57.5
71 44.3 36.1 54.1



#30
Chloroform
Concen: 22.715 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

Tgt Ion: 83 Resp: 50512
Ion Ratio Lower Upper
83 100
85 65.3 53.4 80.0





#31

Cyclohexane

Concen: 20.662 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

VU0116WBSD01

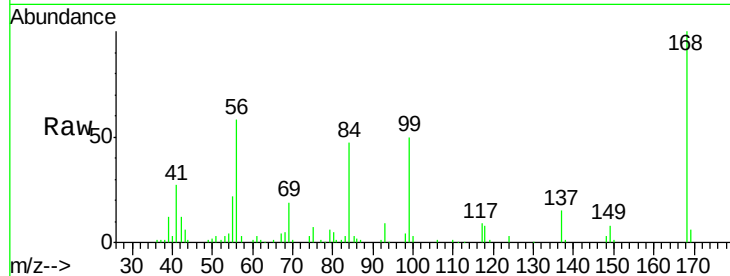
Tot Ion: 56 Resp: 46990

Ion Ratio Lower Upper

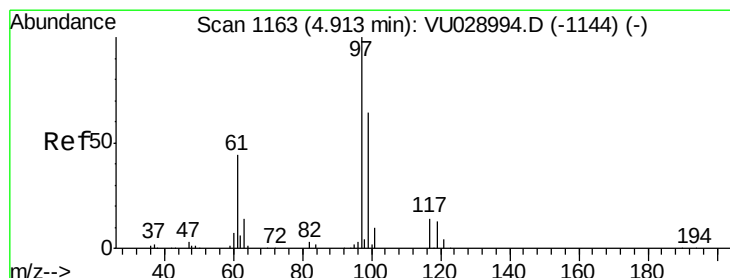
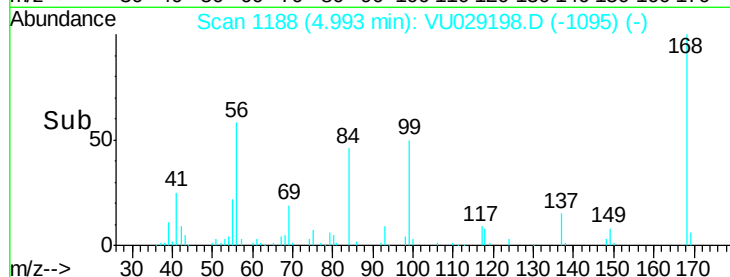
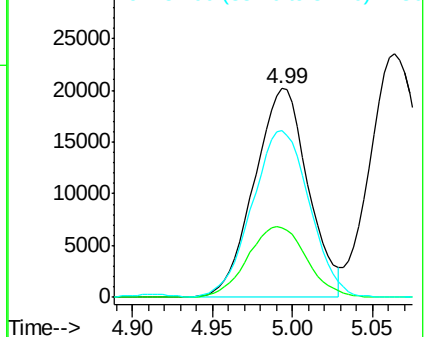
56 100

69 33.4 26.7 40.1

84 79.8 65.7 98.5



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



#32

1,1,1-Trichloroethane

Concen: 21.903 ug/l

RT: 4.91 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

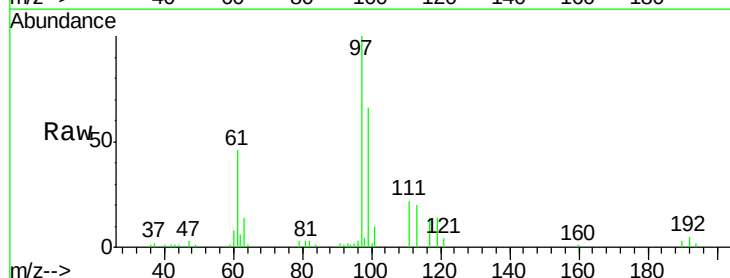
Tgt Ion: 97 Resp: 40245

Ion Ratio Lower Upper

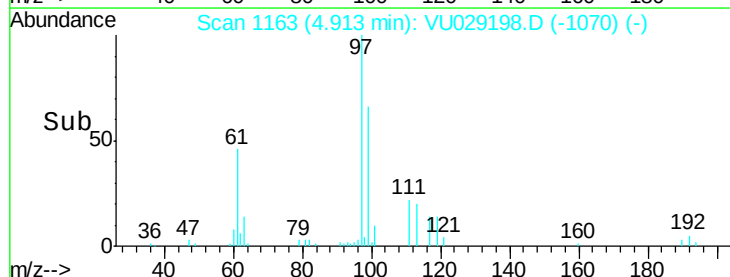
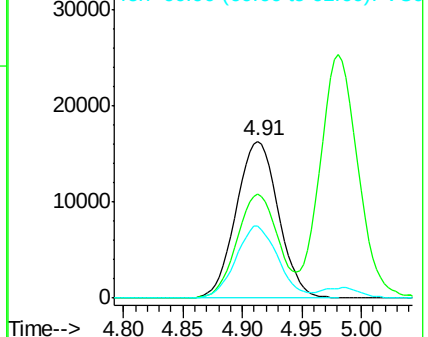
97 100

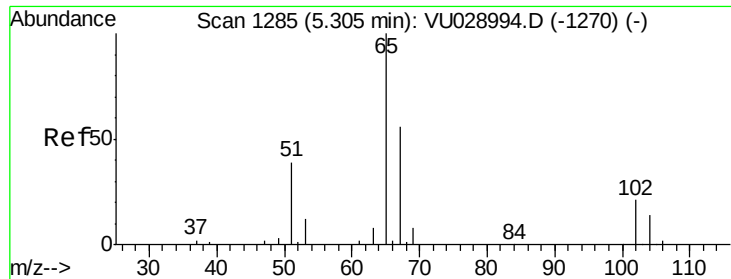
99 64.9 51.0 76.4

61 45.7 34.4 51.6



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

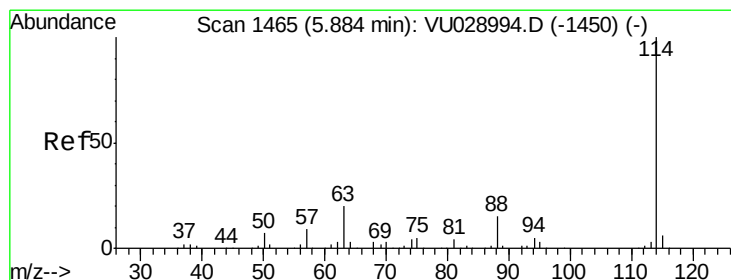
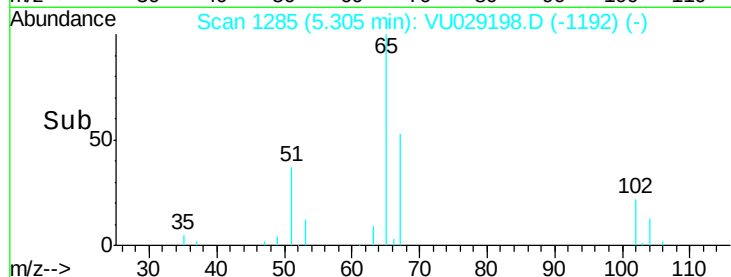
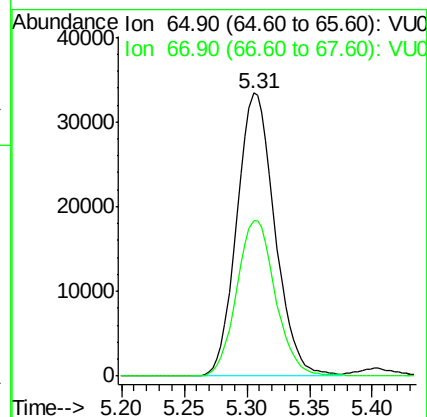
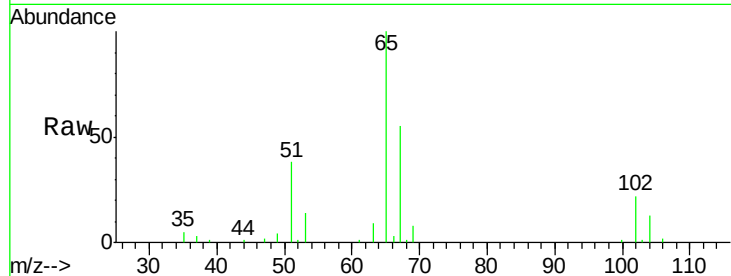




#33
 1,2-Dichloroethane-d4
 Concen: 53.048 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029198.D
 Acq: 16 Jan 2019 10:37

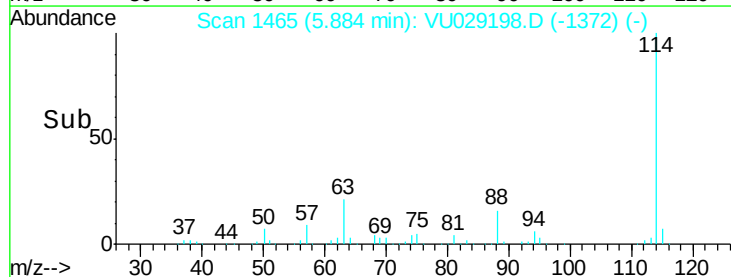
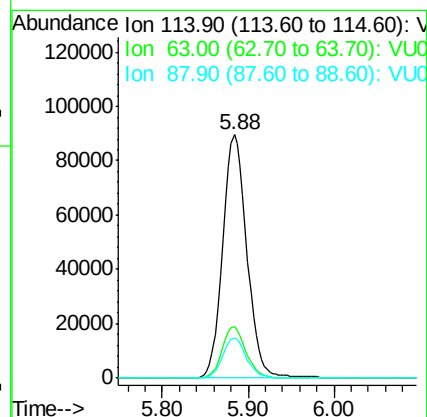
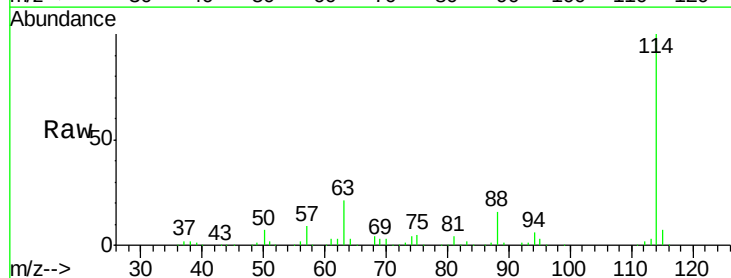
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0116WBSD01

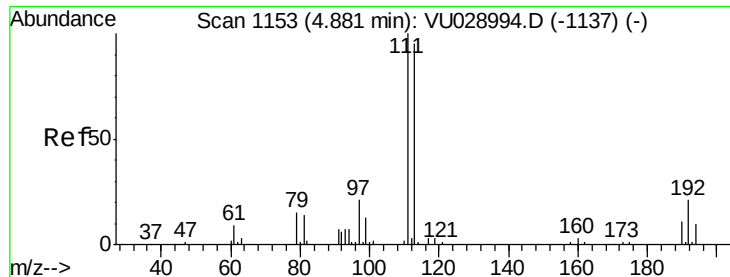
Tot Ion: 65 Resp: 70519
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029198.D
 Acq: 16 Jan 2019 10:37

Tgt Ion: 114 Resp: 176087
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 40.2
 88 16.4 0.0 30.4

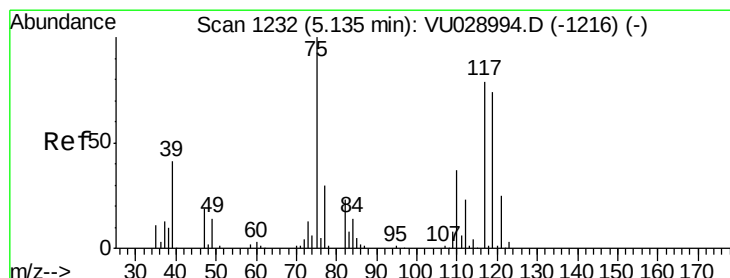
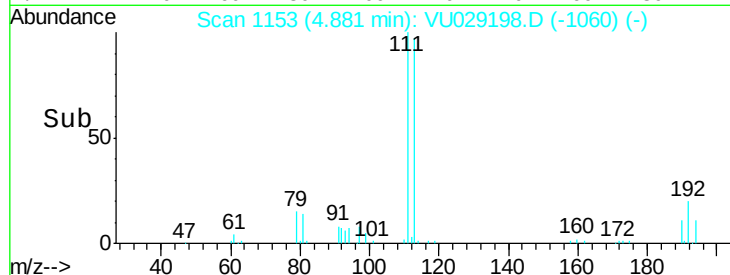
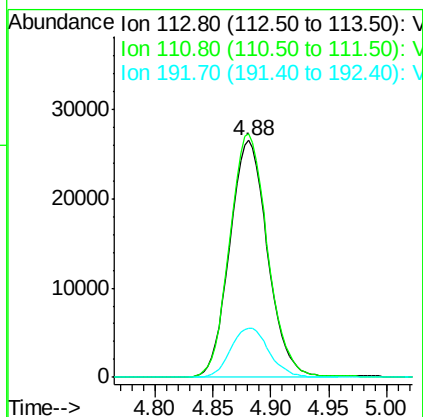
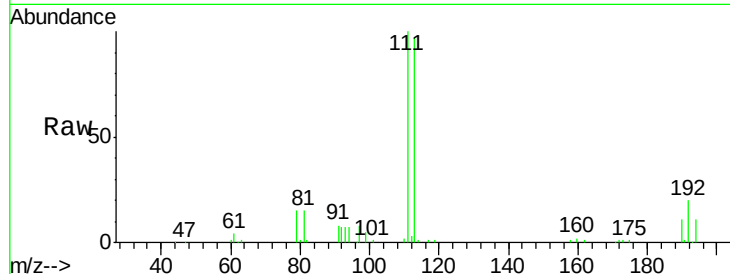




#35
 Dibromofluoromethane
 Concen: 52.595 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029198.D
 Acq: 16 Jan 2019 10:37

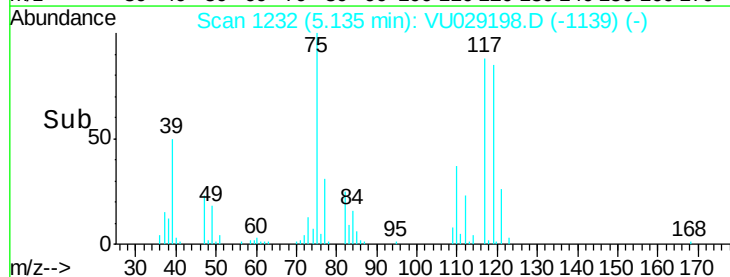
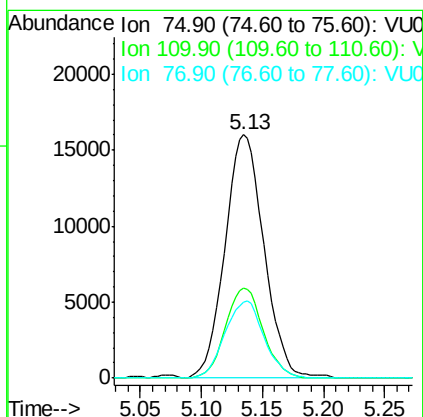
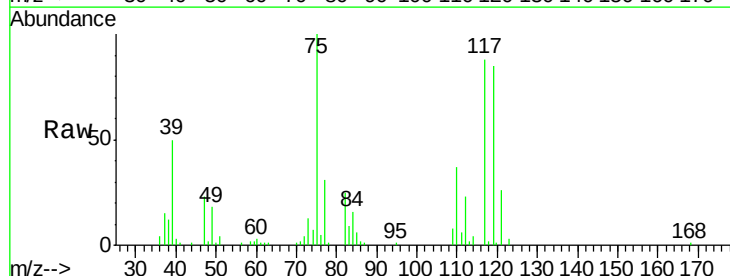
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0116WBSD01

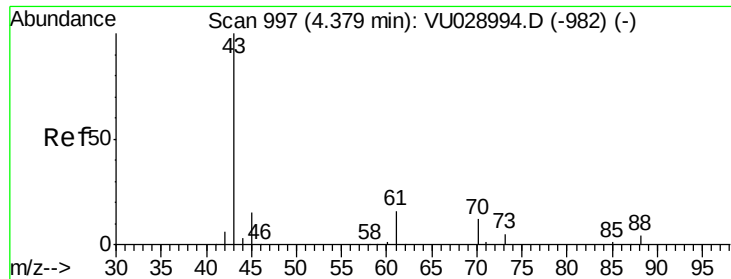
Tot Ion:113 Resp: 60034
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.4 122.2
 192 20.9 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 20.270 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU029198.D
 Acq: 16 Jan 2019 10:37

Tgt Ion: 75 Resp: 35677
 Ion Ratio Lower Upper
 75 100
 110 35.6 18.4 55.4
 77 31.8 25.1 37.7

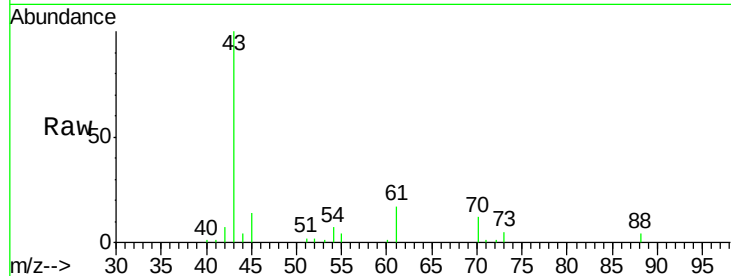




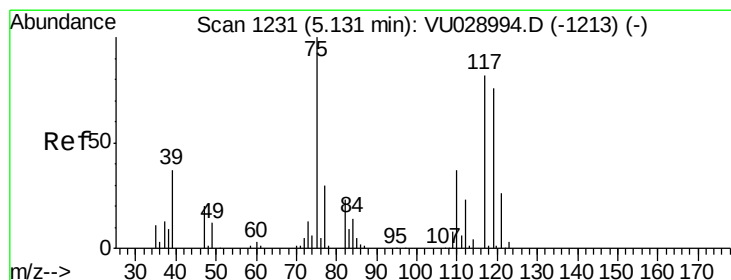
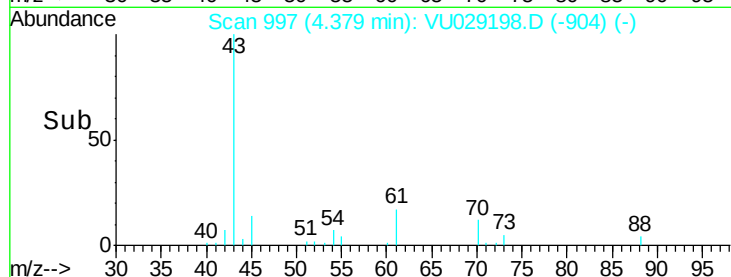
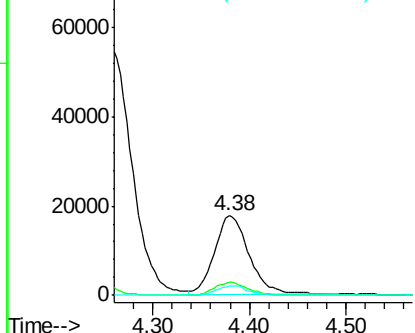
#37
Ethyl Acetate
Concen: 22.713 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

Instrument :
MSVOA_U
ClientSampleId :
VU0116WBSD01

Tot Ion: 43 Resp: 43881
Ion Ratio Lower Upper
43 100
61 15.7 12.6 18.8
70 11.1 9.3 13.9

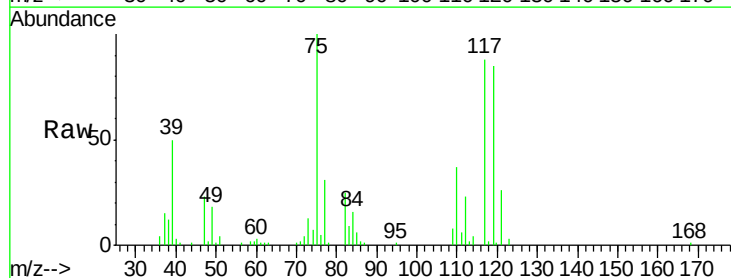


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

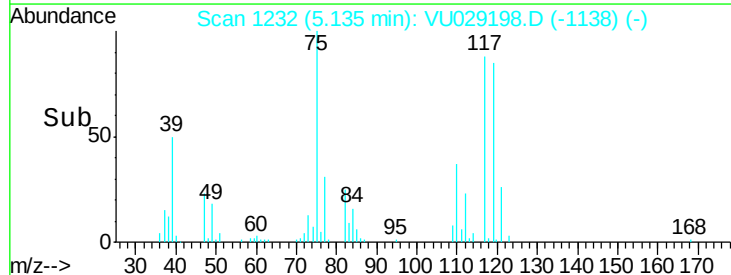
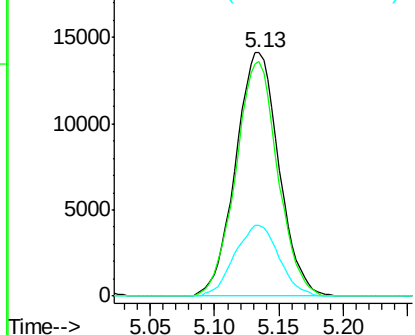


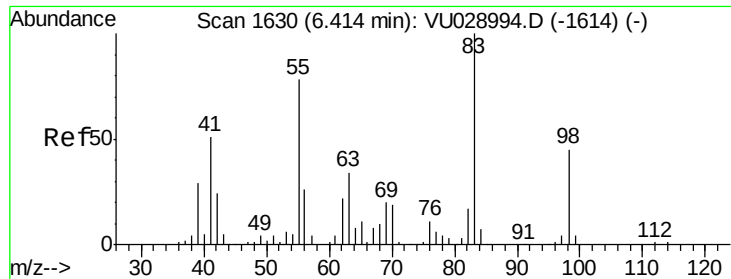
#38
Carbon Tetrachloride
Concen: 22.528 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

Tgt Ion: 117 Resp: 33071
Ion Ratio Lower Upper
117 100
119 96.3 74.6 111.8
121 29.1 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

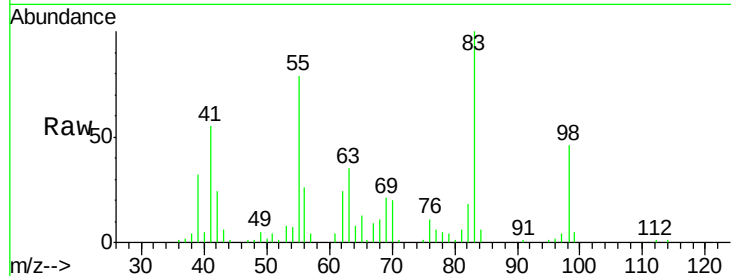




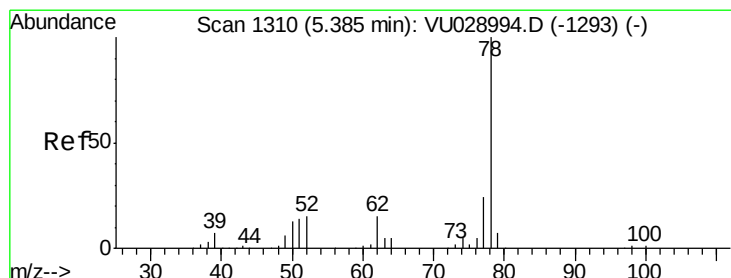
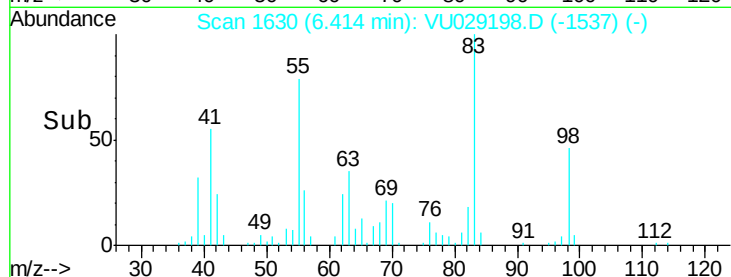
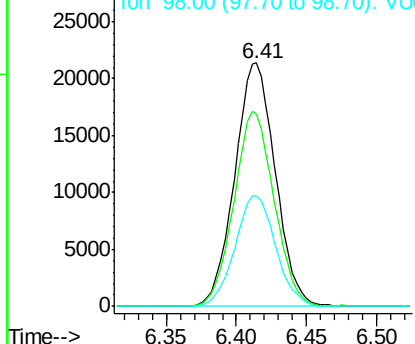
#39
Methylvlcyclohexane
Concen: 19.875 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

Instrument :
MSVOA_U
ClientSampleId :
VU0116WBSD01

Tot Ion: 83 Resp: 43006
Ion Ratio Lower Upper
83 100
55 79.2 62.4 93.6
98 45.6 36.2 54.2

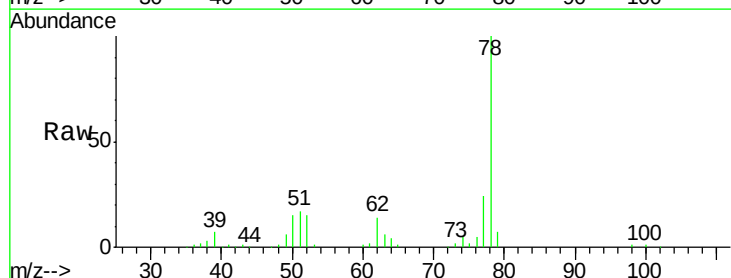


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

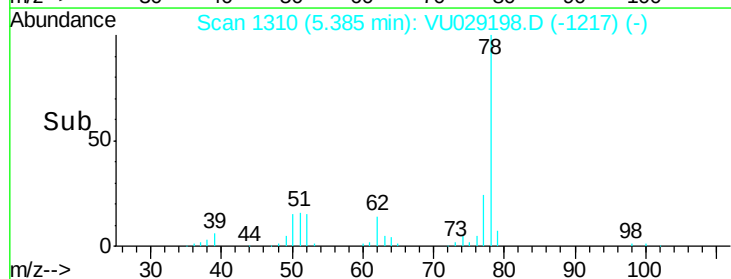
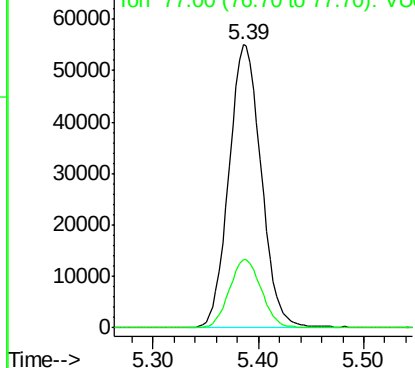


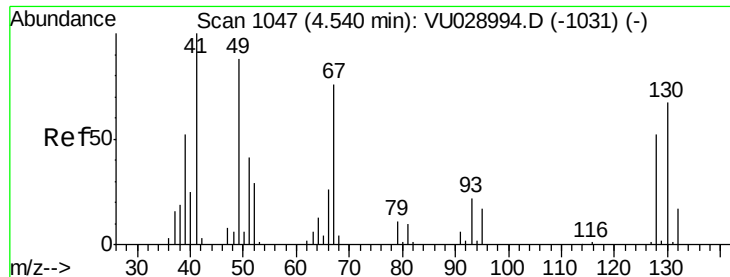
#40
Benzene
Concen: 21.306 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

Tgt Ion: 78 Resp: 116972
Ion Ratio Lower Upper
78 100
77 24.2 18.9 28.3



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

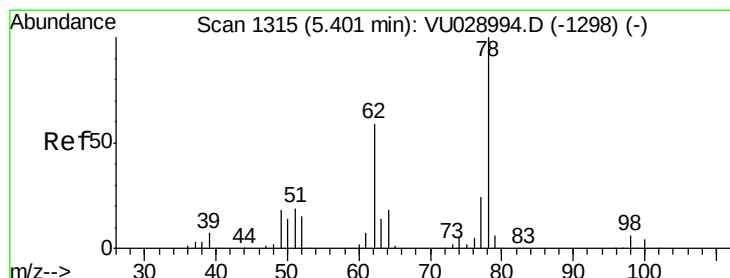
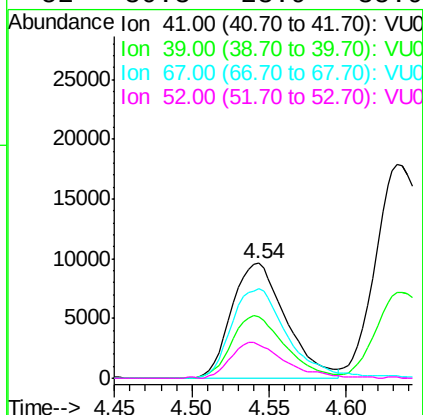
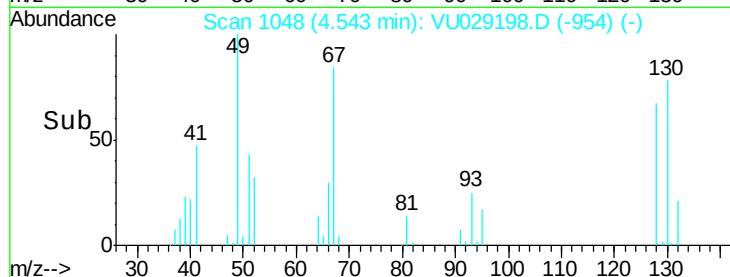
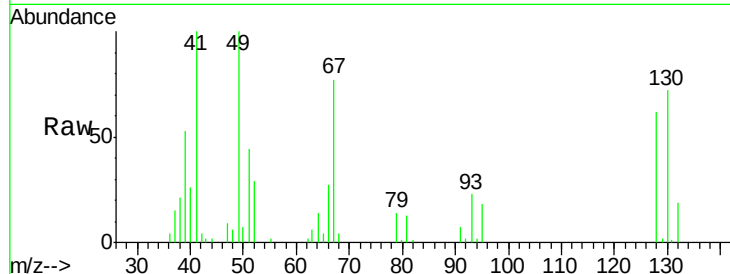




#41
Methacrylonitrile
Concen: 22.739 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

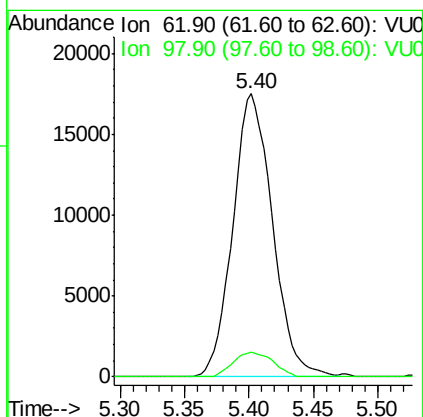
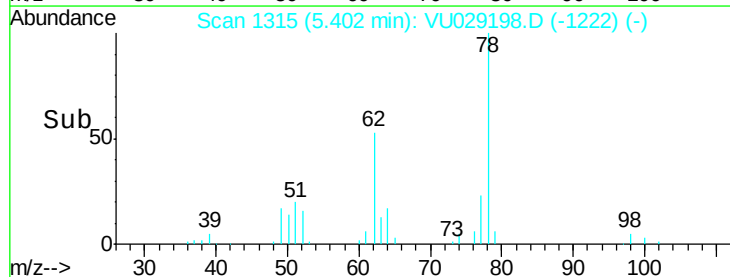
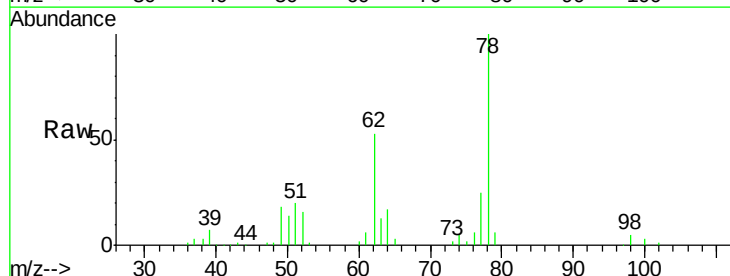
Instrument :
MSVOA_U
ClientSampleId :
VU0116WBSD01

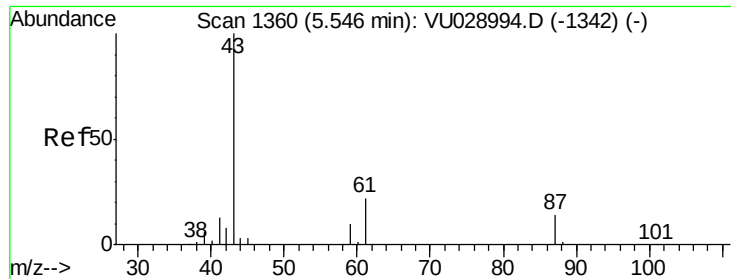
Tot Ion:	41	Resp:	23516
Ion	Ratio	Lower	Upper
41	100		
39	53.6	42.3	63.5
67	79.9	64.4	96.6
52	30.3	23.9	35.9



#42
1,2-Dichloroethane
Concen: 22.701 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

Tgt Ion:	62	Resp:	37451
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	19.6





#43

Isopropyl Acetate

Concen: 22.809 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

VU0116WBSD01

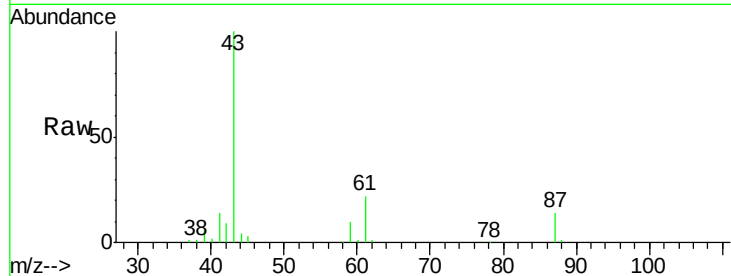
Tot Ion: 43 Resp: 67596

Ion Ratio Lower Upper

43 100

61 21.4 17.8 26.6

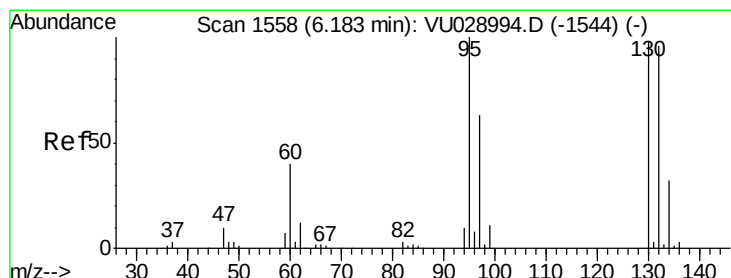
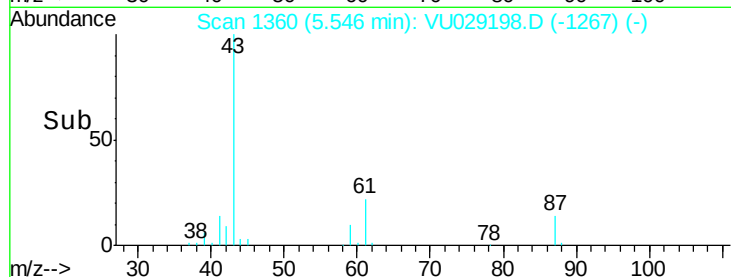
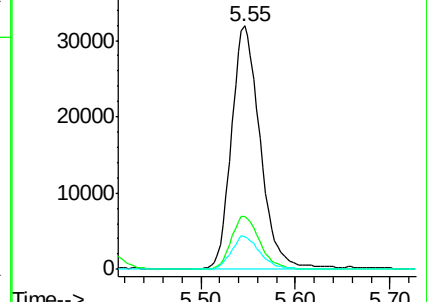
87 13.5 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU028994.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU028994.D (-1342) (-)



#44

Trichloroethene

Concen: 20.434 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU029198.D

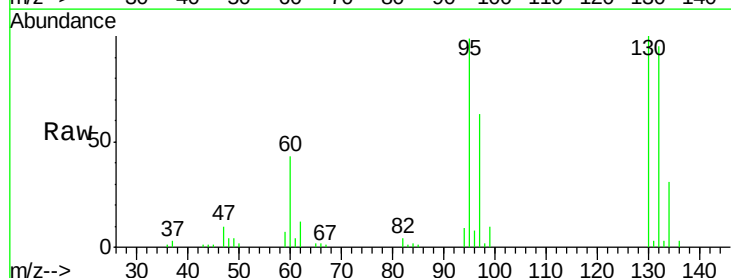
Acq: 16 Jan 2019 10:37

Tgt Ion:130 Resp: 27797

Ion Ratio Lower Upper

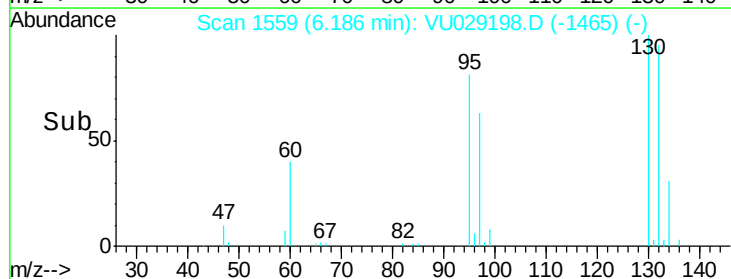
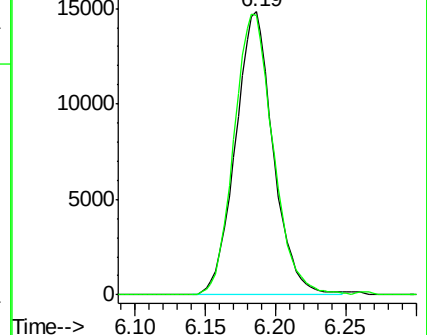
130 100

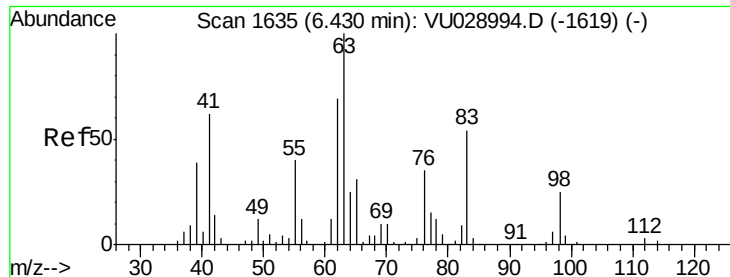
95 98.6 0.0 205.0



Abundance Ion 129.80 (129.50 to 130.50): VU028994.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028994.D (-1544) (-)





#45

1,2-Dichloropropane

Concen: 22.708 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

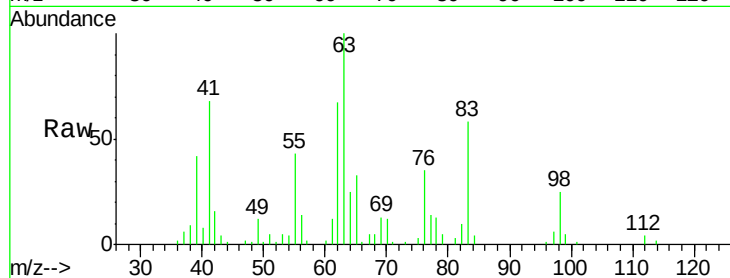
VU0116WBSD01

Tot Ion: 63 Resp: 32922

Ion Ratio Lower Upper

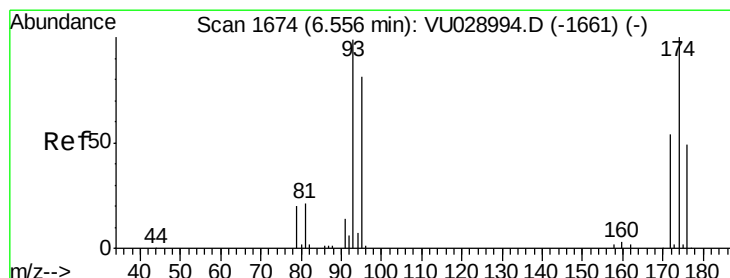
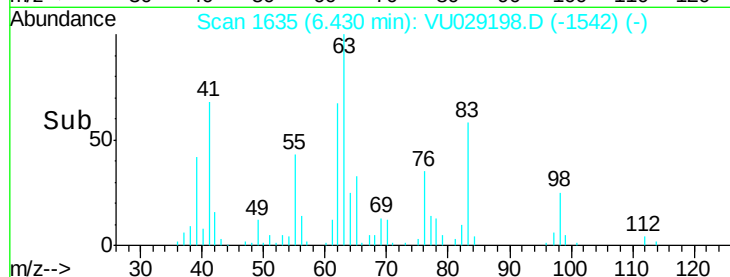
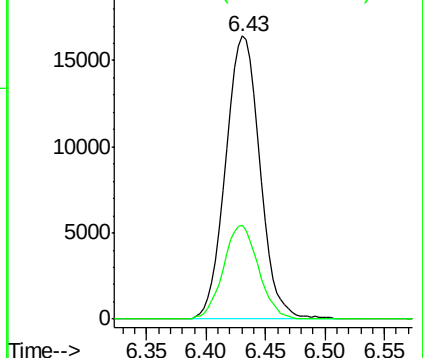
63 100

65 33.4 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 21.849 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

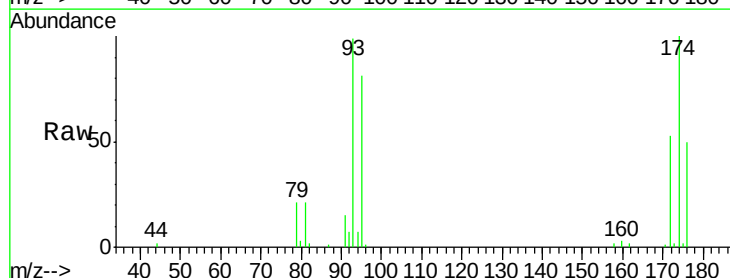
Tgt Ion: 93 Resp: 20250

Ion Ratio Lower Upper

93 100

95 82.9 67.2 100.8

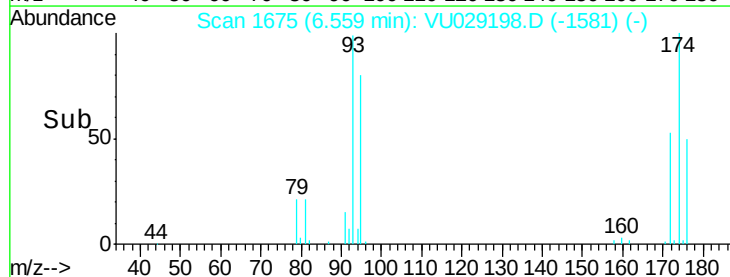
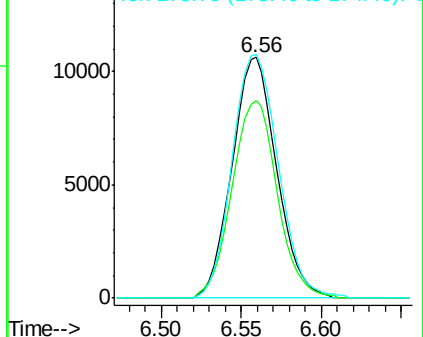
174 104.5 82.6 123.8

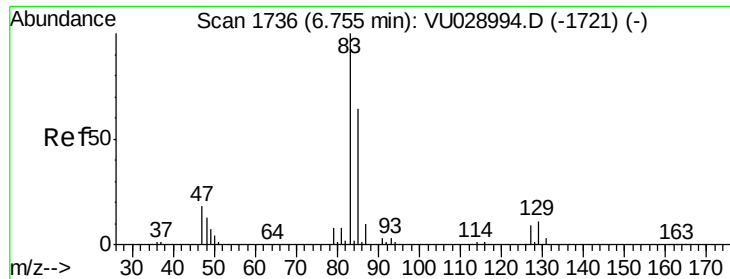


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 22.499 ug/l

RT: 6.75 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

VU0116WBSD01

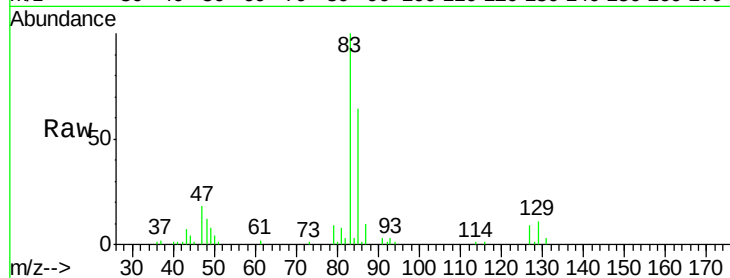
Tot Ion: 83 Resp: 38393

Ion Ratio Lower Upper

83 100

85 64.5 51.4 77.2

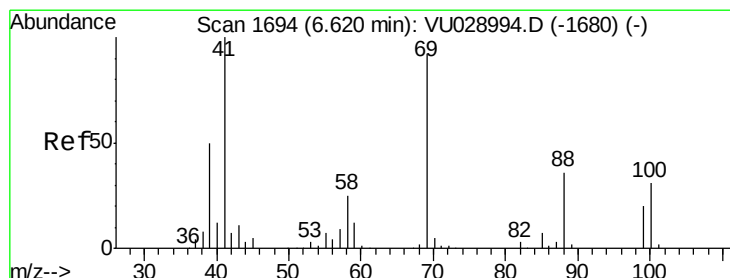
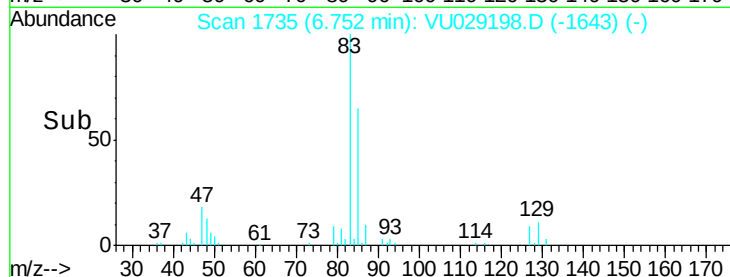
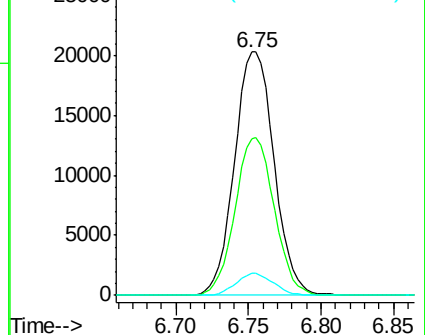
127 9.0 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VU028994.D (-1721) (-)

Ion 84.90 (84.60 to 85.60): VU028994.D (-1721) (-)

Ion 126.80 (126.50 to 127.50): VU028994.D (-1721) (-)



#48

Methyl methacrylate

Concen: 23.184 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

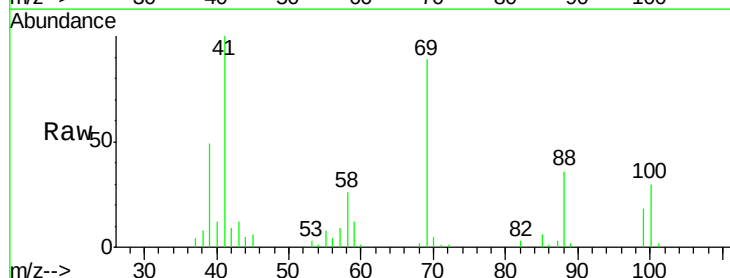
Tgt Ion: 41 Resp: 33456

Ion Ratio Lower Upper

41 100

69 90.1 73.6 110.4

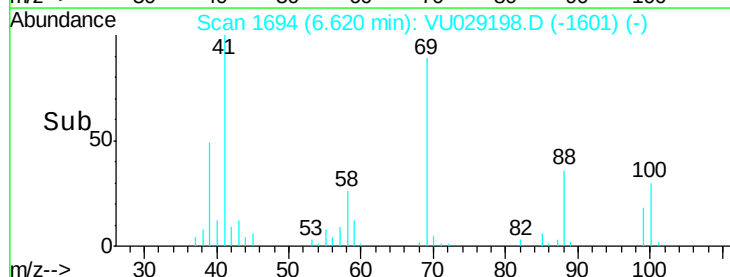
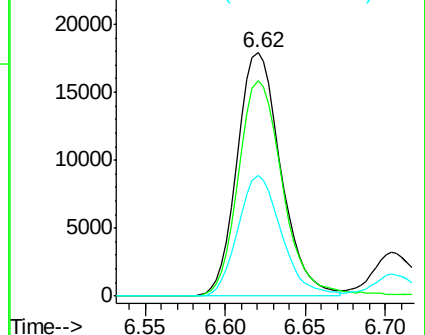
39 49.1 39.6 59.4

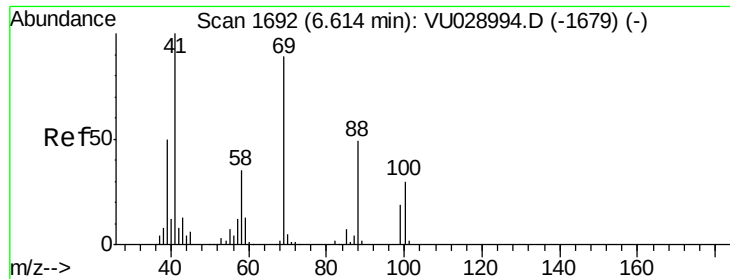


Abundance Ion 41.00 (40.70 to 41.70): VU028994.D (-1680) (-)

Ion 69.00 (68.70 to 69.70): VU028994.D (-1680) (-)

Ion 39.00 (38.70 to 39.70): VU028994.D (-1680) (-)

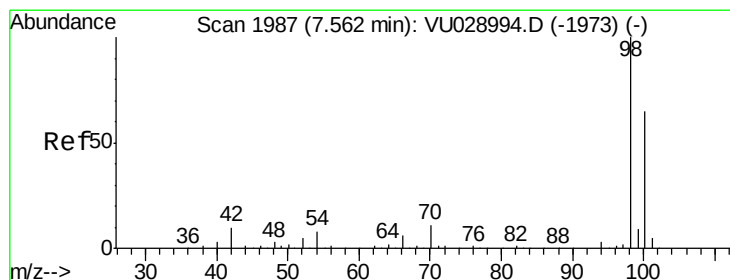
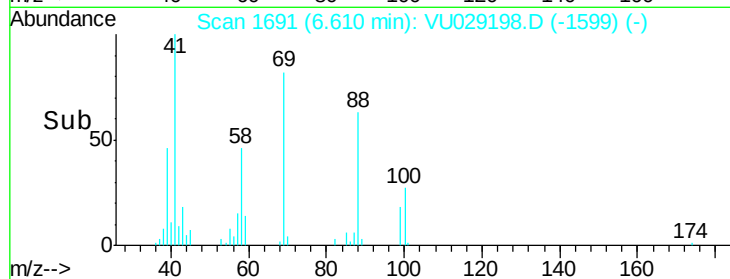
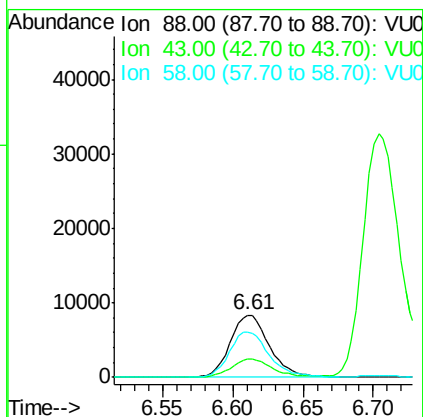
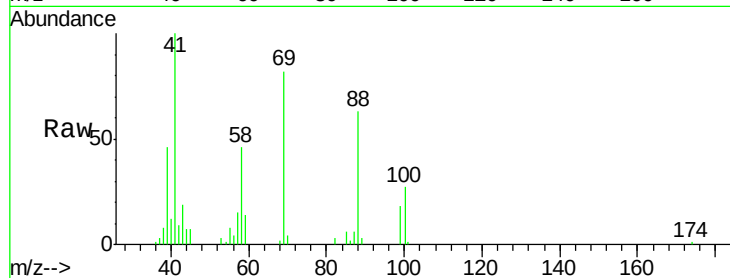




#49
1,4-Dioxane
Concen: 474.789 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

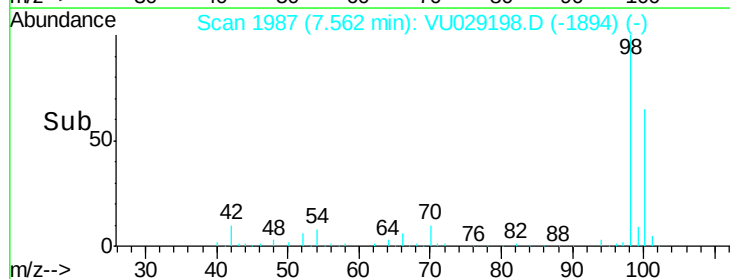
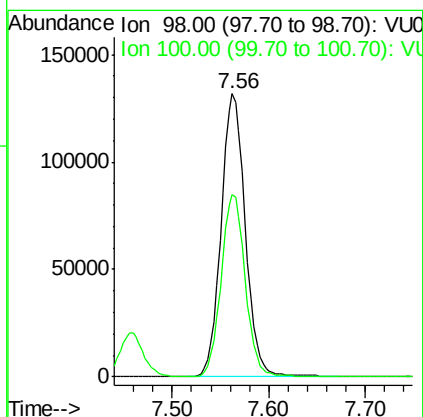
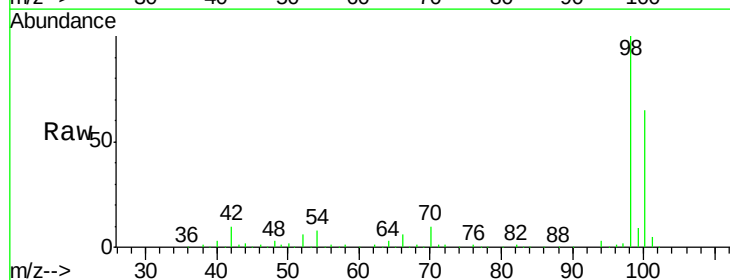
Instrument :
MSVOA_U
ClientSampleId :
VU0116WBSD01

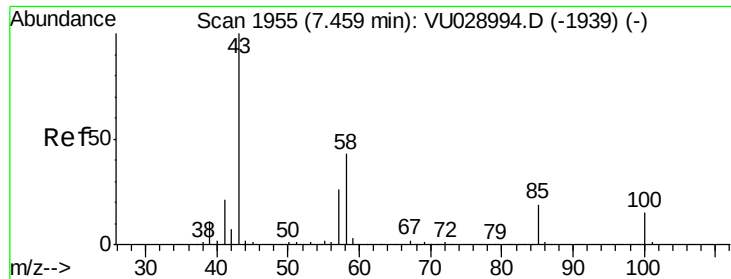
Tot Ion: 88 Resp: 16237
Ion Ratio Lower Upper
88 100
43 30.6 23.0 34.4
58 74.0 57.9 86.9



#50
Toluene-d8
Concen: 50.821 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

Tgt Ion: 98 Resp: 229013
Ion Ratio Lower Upper
98 100
100 63.5 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 116.965 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

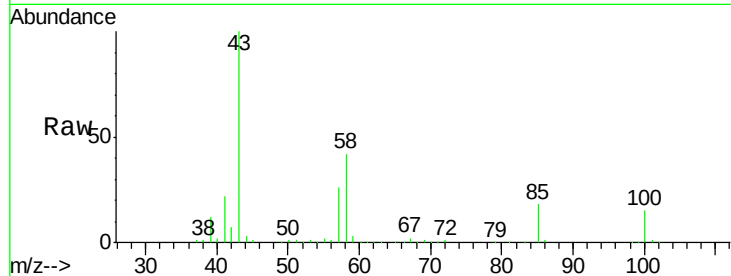
VU0116WBSD01

Tot Ion: 43 Resp: 235909

Ion Ratio Lower Upper

43 100

58 41.7 33.9 50.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

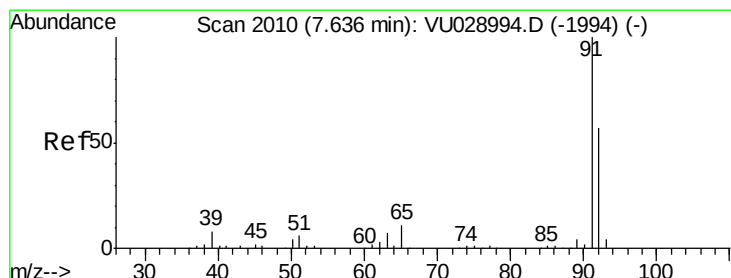
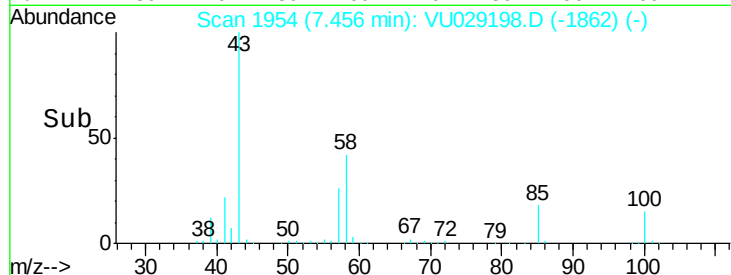
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.351 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029198.D

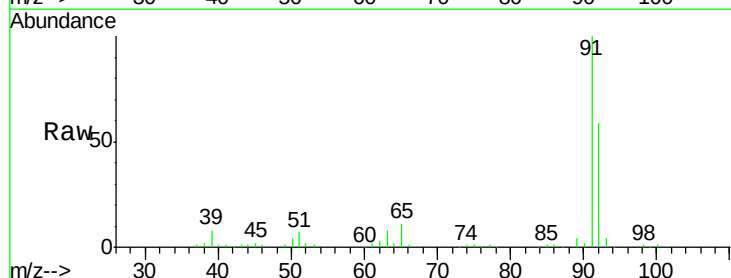
Acq: 16 Jan 2019 10:37

Tgt Ion: 92 Resp: 71359

Ion Ratio Lower Upper

92 100

91 175.1 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

80000

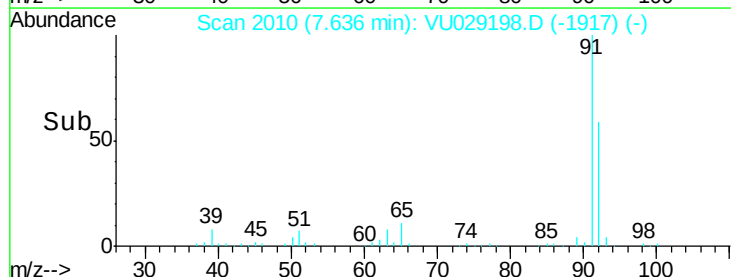
60000

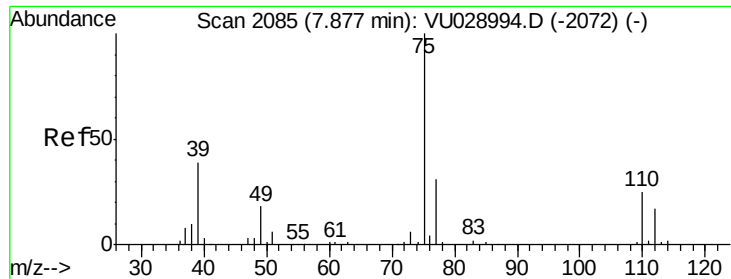
40000

20000

0

Time-->

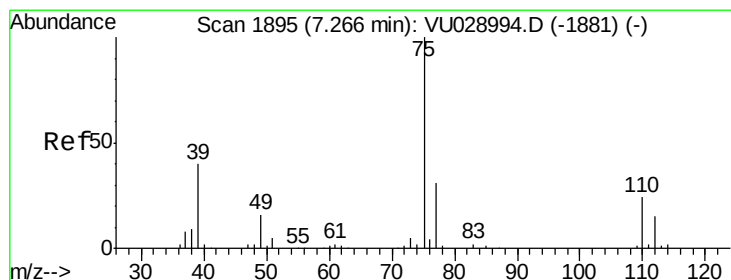
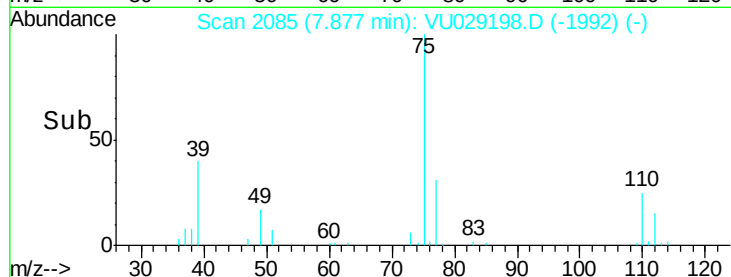
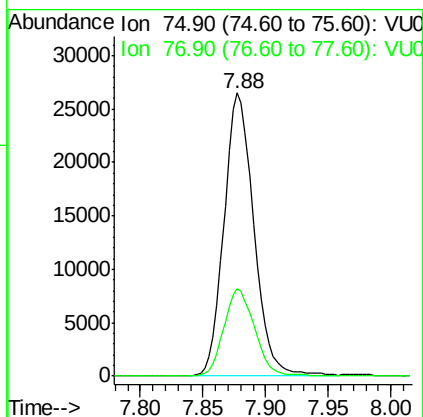
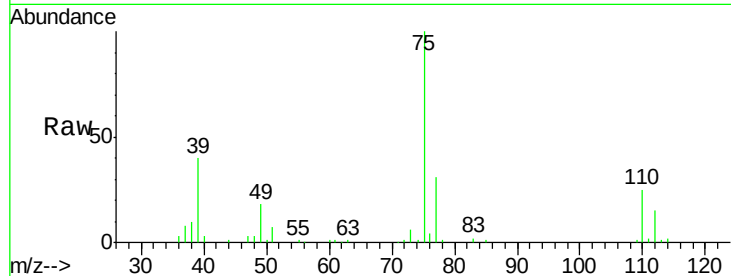




#53
 t-1,3-Dichloropropene
 Concen: 21.387 ug/l
 RT: 7.88 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VU029198.D
 Acq: 16 Jan 2019 10:37

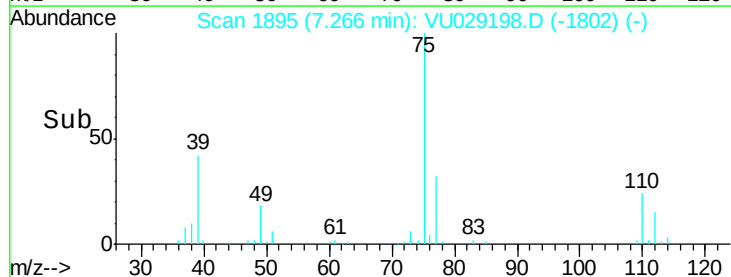
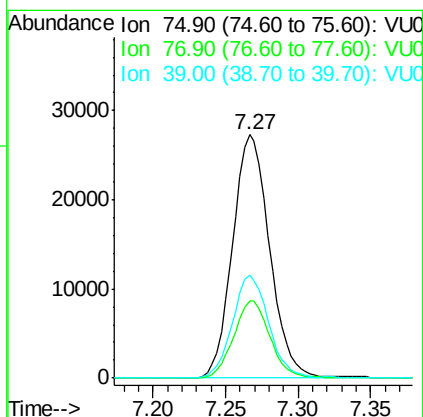
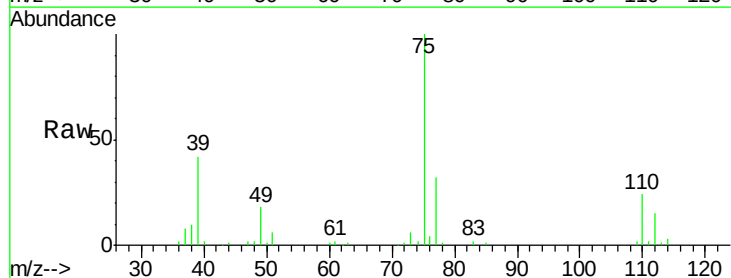
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0116WBSD01

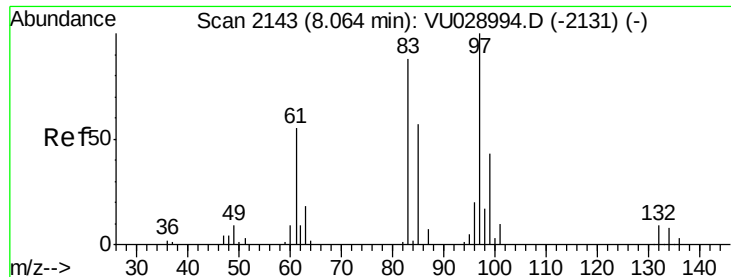
Tot Ion: 75 Resp: 43840
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 21.860 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. 0.00 min
 Lab File: VU029198.D
 Acq: 16 Jan 2019 10:37

Tgt Ion: 75 Resp: 48420
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.0 37.6
 39 42.2 32.2 48.4



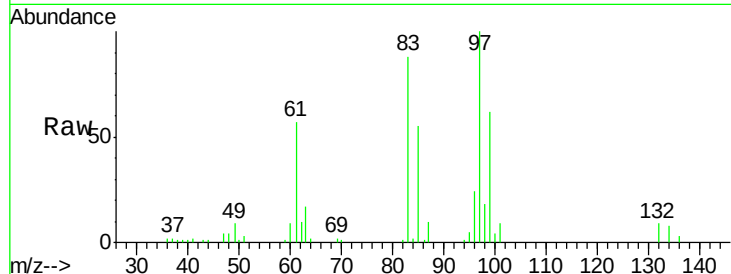


#55
 1,1,2-Trichloroethane
 Concen: 22.571 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029198.D
 Acq: 16 Jan 2019 10:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0116WBSD01

Tot Ion: 97 Resp: 30222

Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.8	104.8
85	55.2	47.3	70.9
99	62.4	49.7	74.5

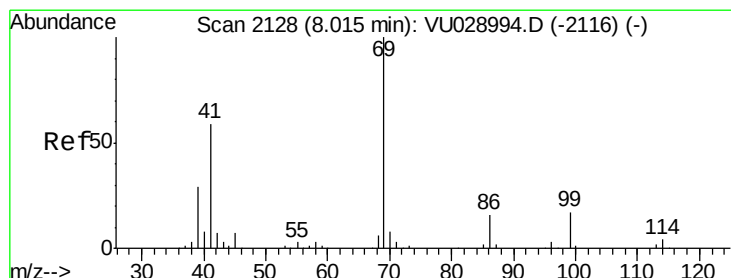
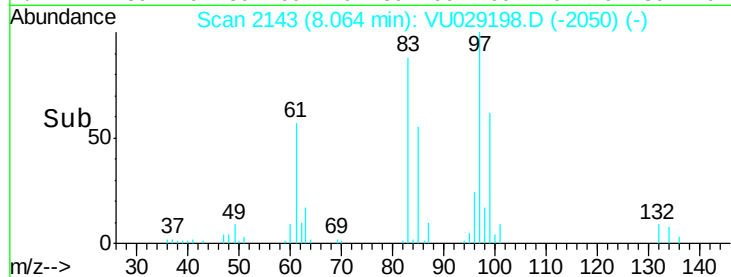
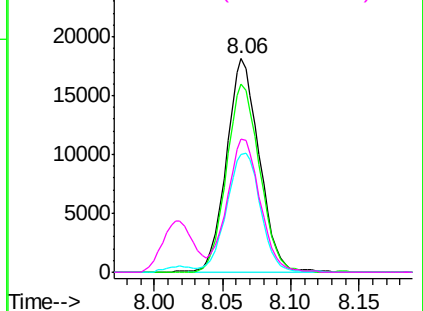


Abundance Ion 96.90 (96.60 to 97.60): VU029198.D (-2050) (-)

Ion 82.90 (82.60 to 83.60): VU029198.D (-2050) (-)

Ion 84.90 (84.60 to 85.60): VU029198.D (-2050) (-)

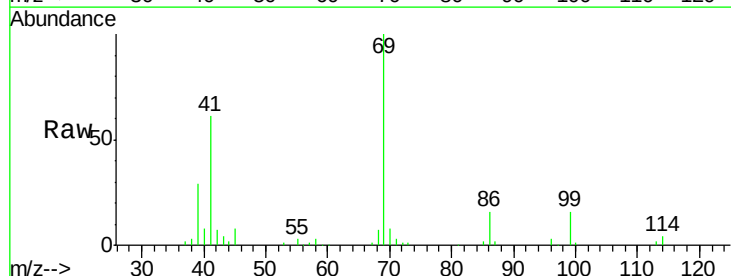
Ion 98.90 (98.60 to 99.60): VU029198.D (-2050) (-)



#56
 Ethyl methacrylate
 Concen: 21.349 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029198.D
 Acq: 16 Jan 2019 10:37

Tgt Ion: 69 Resp: 44039

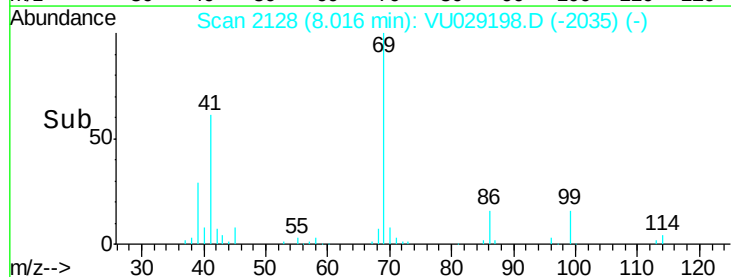
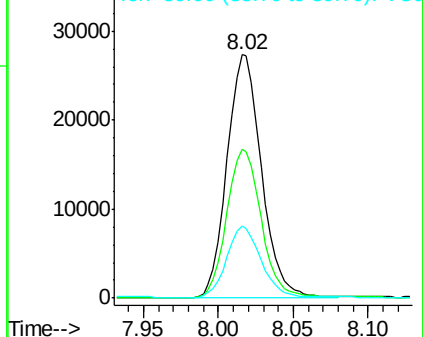
Ion	Ratio	Lower	Upper
69	100		
41	61.3	47.5	71.3
39	29.6	22.5	33.7

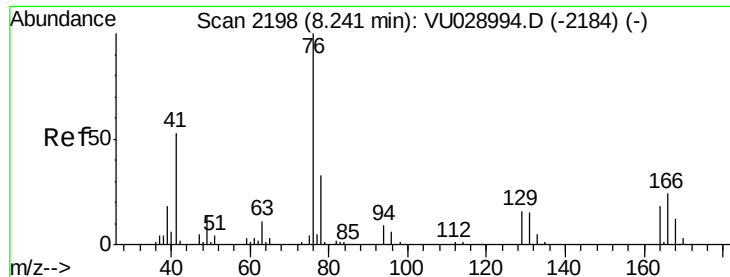


Abundance Ion 69.00 (68.70 to 69.70): VU029198.D (-2035) (-)

Ion 41.00 (40.70 to 41.70): VU029198.D (-2035) (-)

Ion 39.00 (38.70 to 39.70): VU029198.D (-2035) (-)

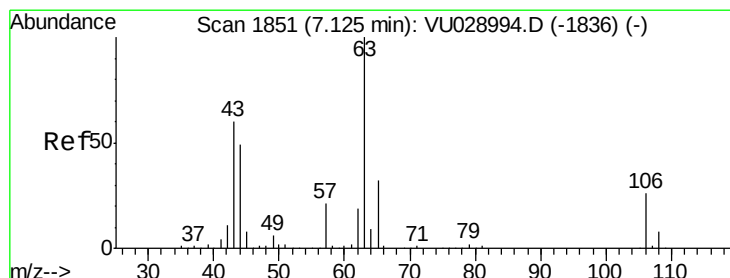
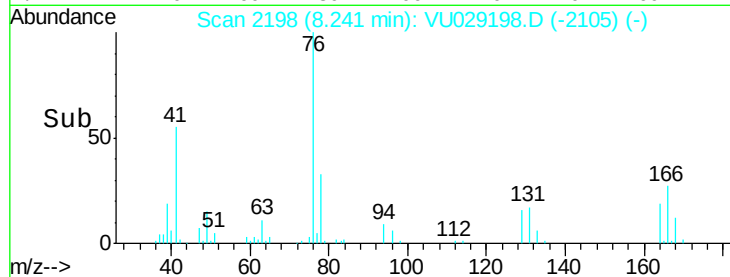
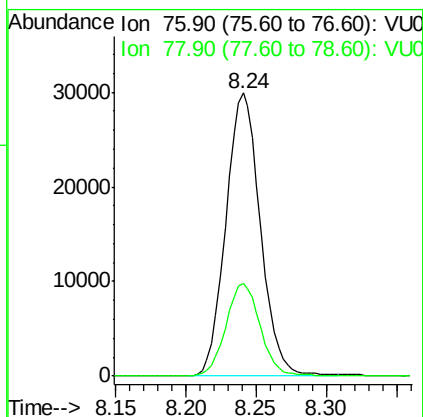
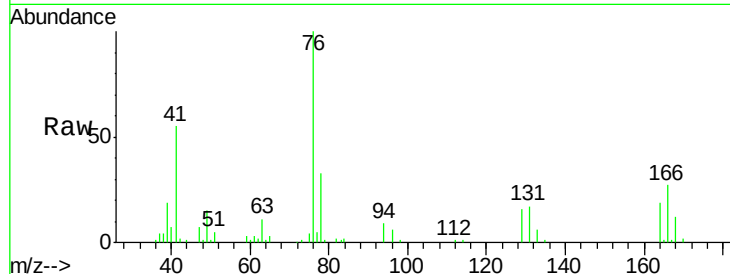




#57
 1,3-Dichloropropane
 Concen: 22.314 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU029198.D
 Acq: 16 Jan 2019 10:37

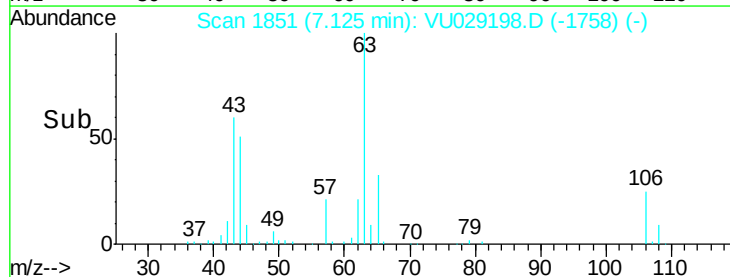
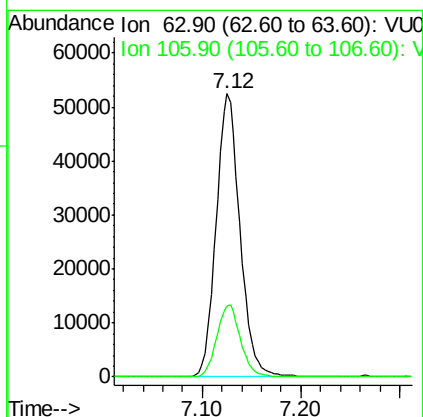
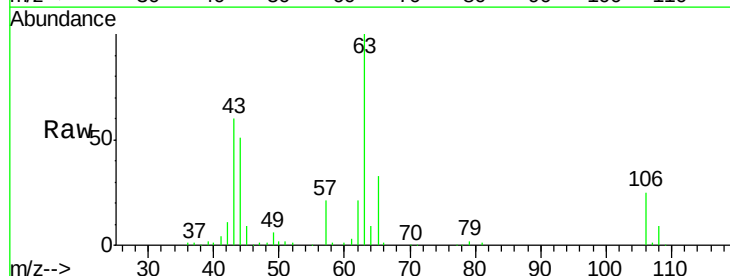
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0116WBSD01

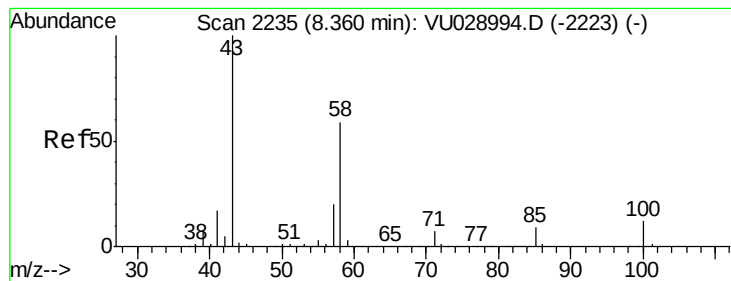
Tot Ion: 76 Resp: 51124
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.931 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU029198.D
 Acq: 16 Jan 2019 10:37

Tgt Ion: 63 Resp: 88841
 Ion Ratio Lower Upper
 63 100
 106 25.1 20.6 31.0





#59

2-Hexanone

Concen: 117.093 ug/l

RT: 8.36 min Scan# 2235

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

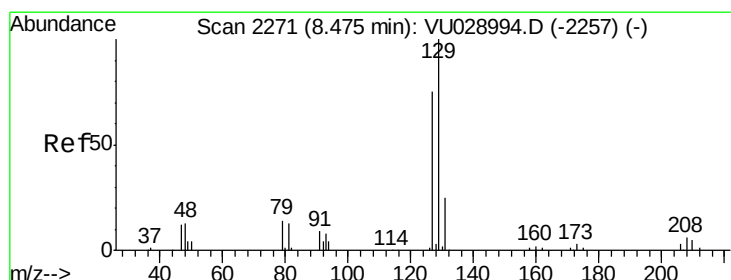
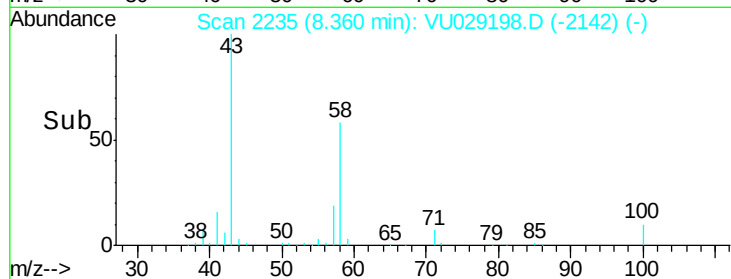
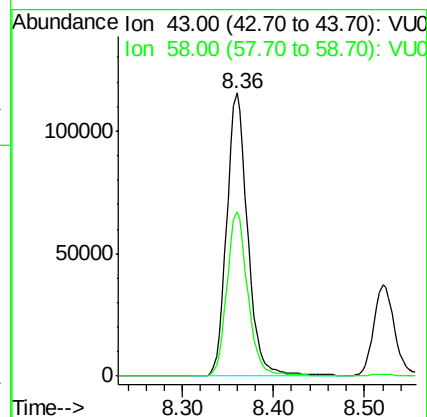
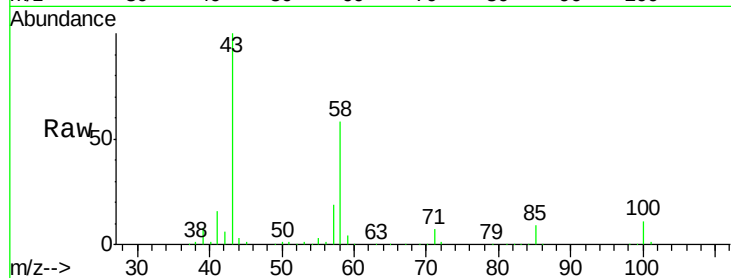
VU0116WBSD01

Tot Ion: 43 Resp: 185382

Ion Ratio Lower Upper

43 100

58 57.9 29.8 89.4



#60

Dibromochloromethane

Concen: 21.843 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VU029198.D

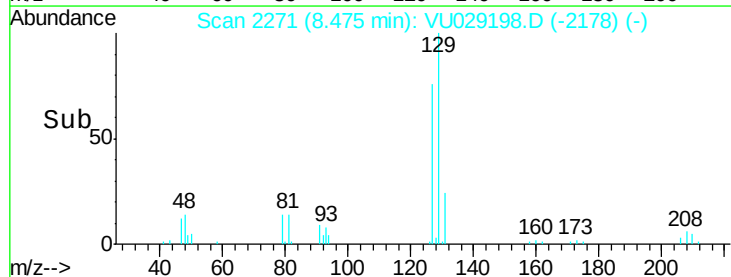
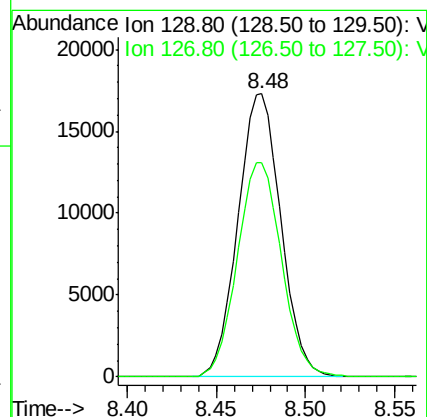
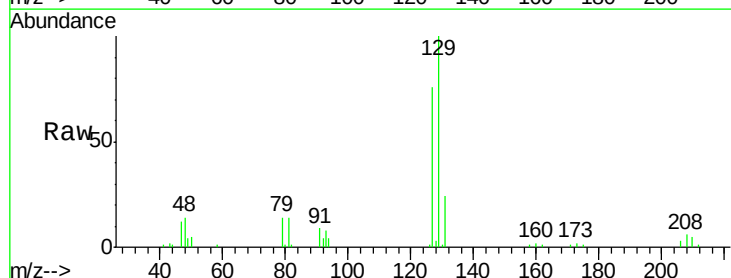
Acq: 16 Jan 2019 10:37

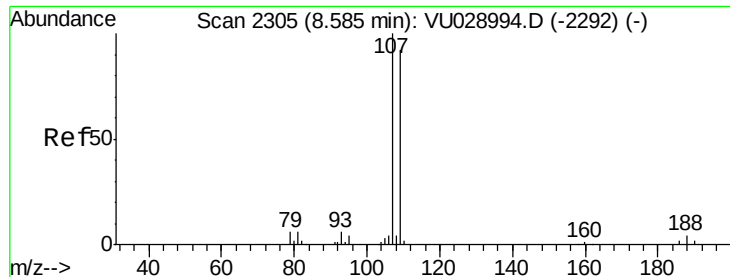
Tgt Ion:129 Resp: 28975

Ion Ratio Lower Upper

129 100

127 77.9 38.0 114.0





#61

1,2-Dibromoethane

Concen: 22.225 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

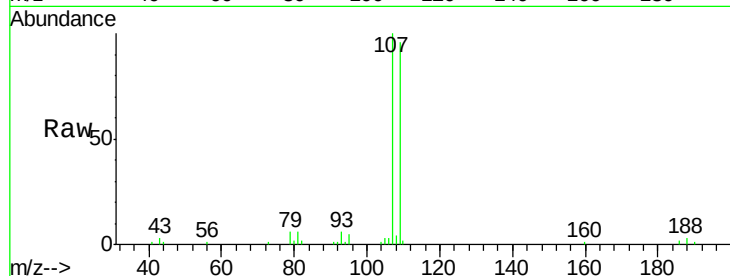
VU0116WBSD01

Tot Ion:107 Resp: 32274

Ion Ratio Lower Upper

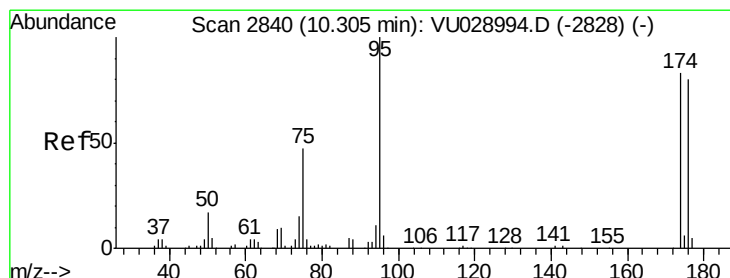
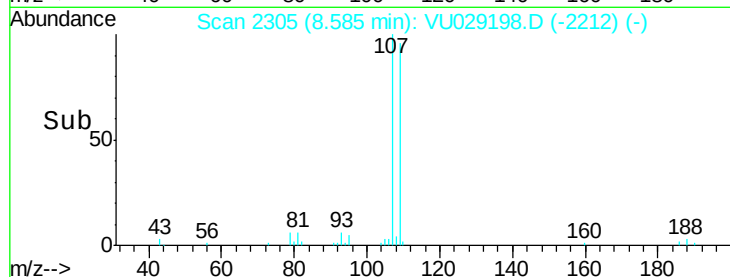
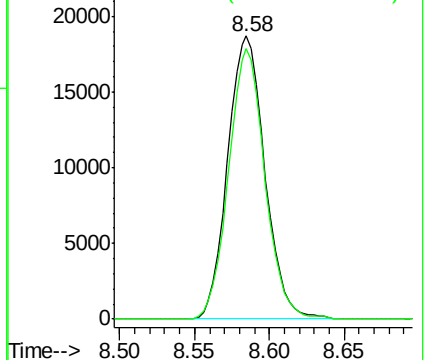
107 100

109 93.3 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.174 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

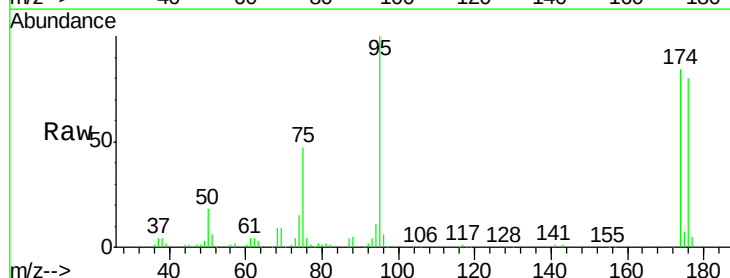
Tgt Ion: 95 Resp: 79637

Ion Ratio Lower Upper

95 100

174 85.3 0.0 170.6

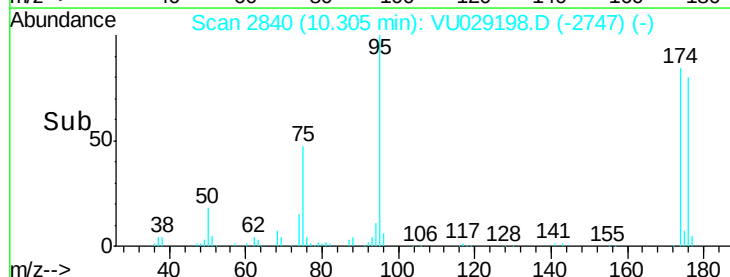
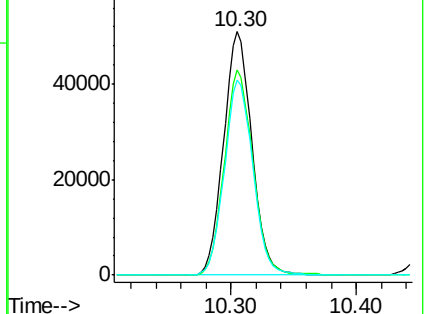
176 80.7 0.0 165.0

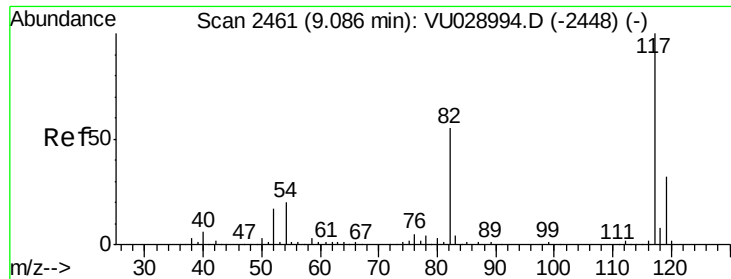


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

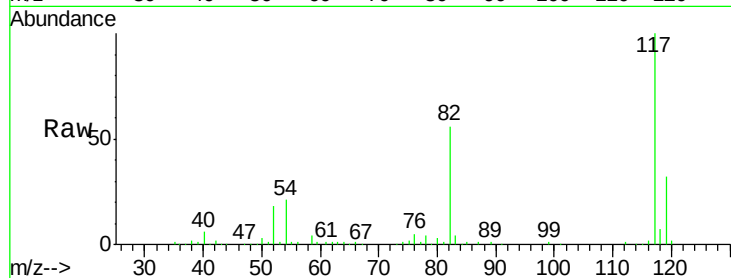




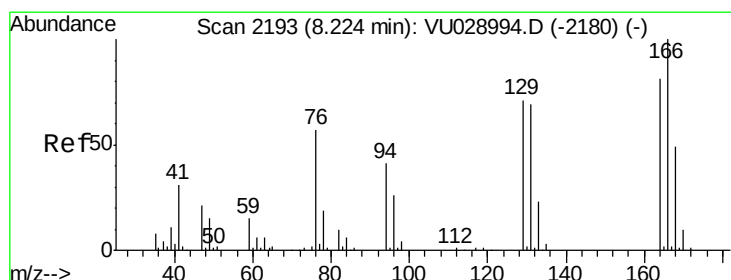
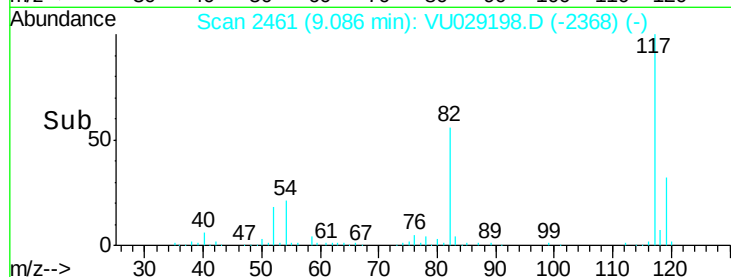
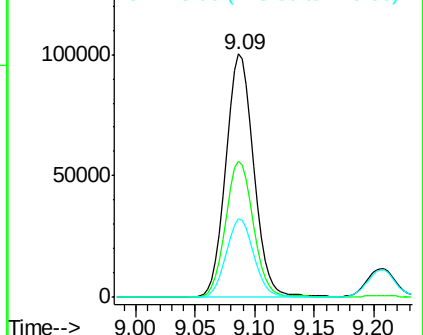
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

Instrument :
MSVOA_U
ClientSampleId :
VU0116WBSD01

Tot Ion:117 Resp: 163741
Ion Ratio Lower Upper
117 100
82 55.9 43.9 65.9
119 32.3 26.0 39.0

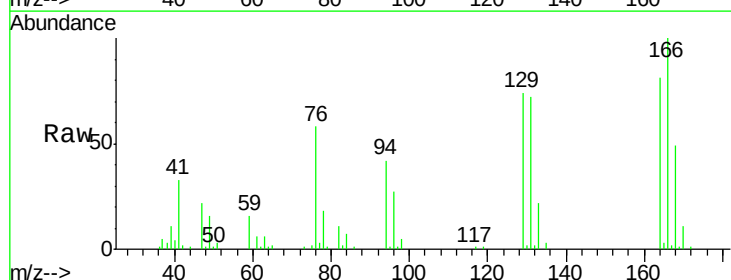


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

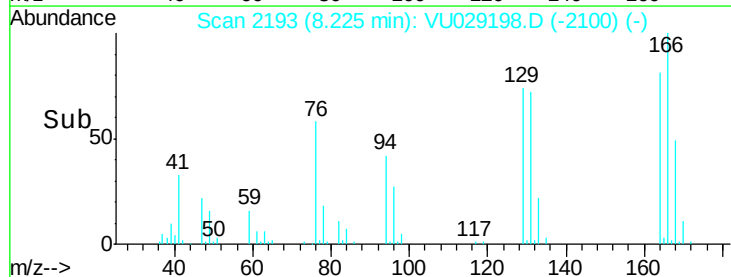
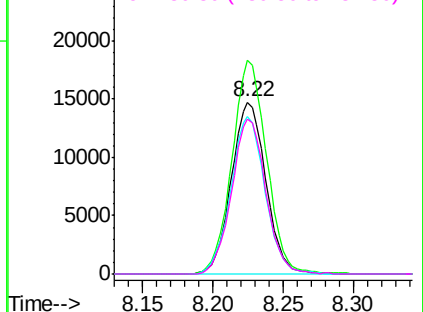


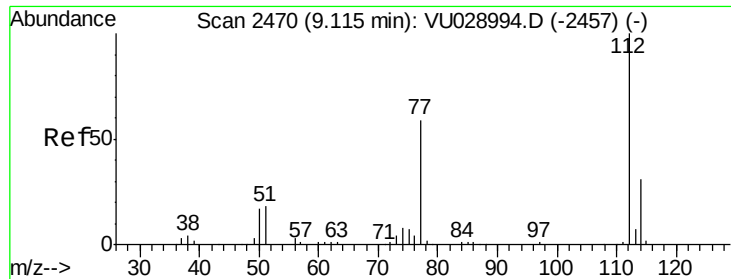
#64
Tetrachloroethene
Concen: 21.423 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

Tgt Ion:164 Resp: 25269
Ion Ratio Lower Upper
164 100
166 124.1 99.4 149.0
129 91.5 70.5 105.7
131 90.0 69.0 103.6



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

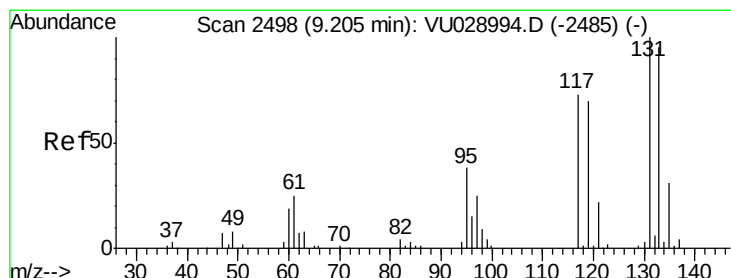
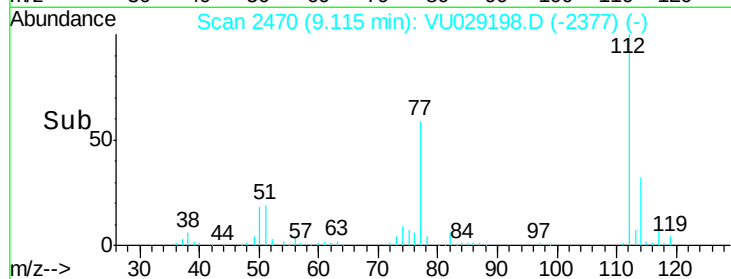
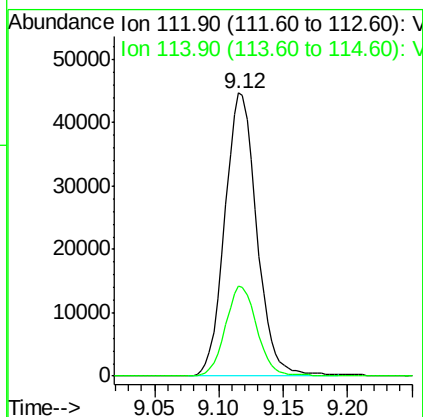
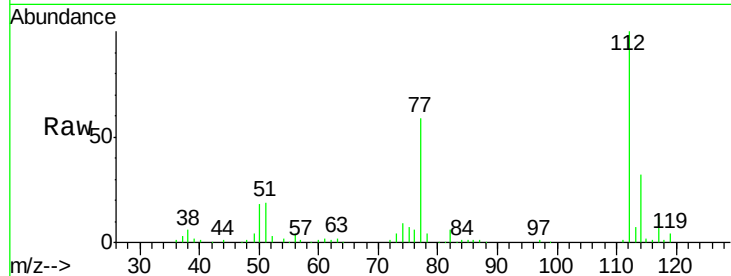




#65
Chlorobenzene
Concen: 20.986 ug/l
RT: 9.12 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

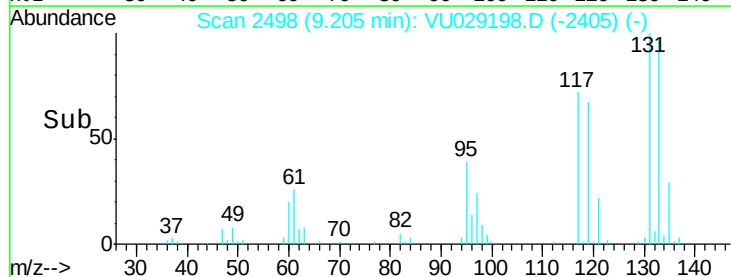
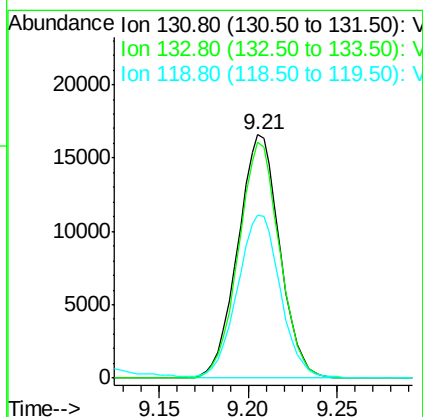
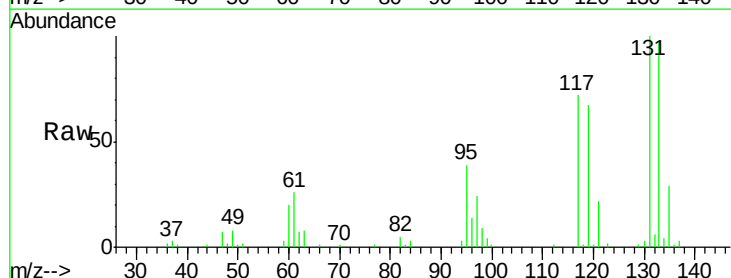
Instrument :
MSVOA_U
ClientSampleId :
VU0116WBSD01

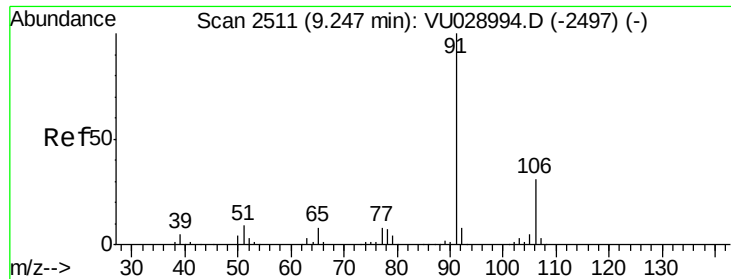
Tot Ion:112 Resp: 77024
Ion Ratio Lower Upper
112 100
114 31.7 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 22.820 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

Tgt Ion:131 Resp: 27181
Ion Ratio Lower Upper
131 100
133 95.2 48.2 144.6
119 68.9 35.4 106.3

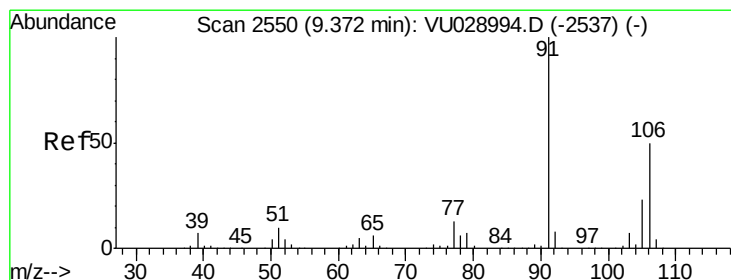
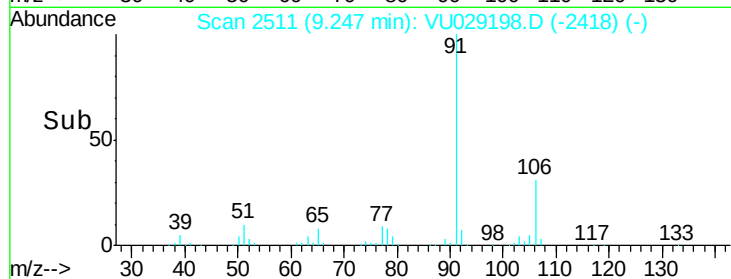
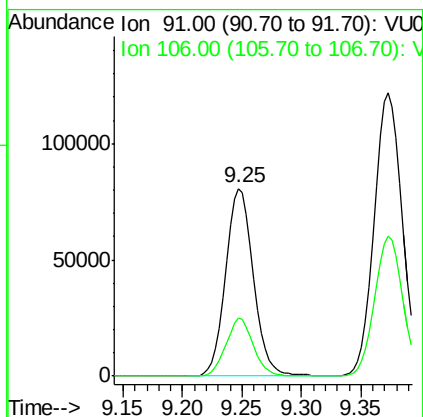
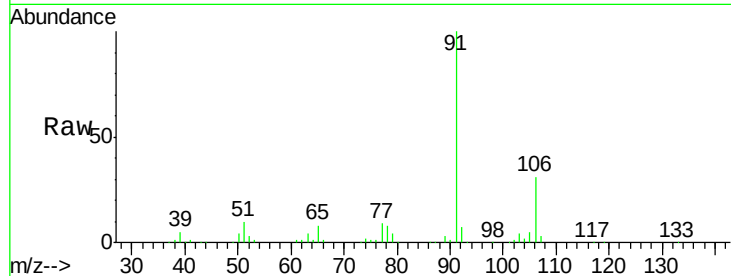




#67
Ethyl Benzene
Concen: 21.380 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

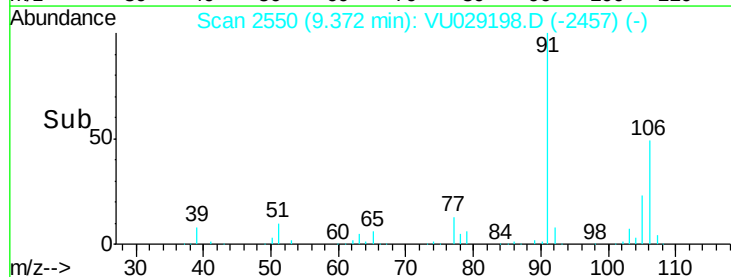
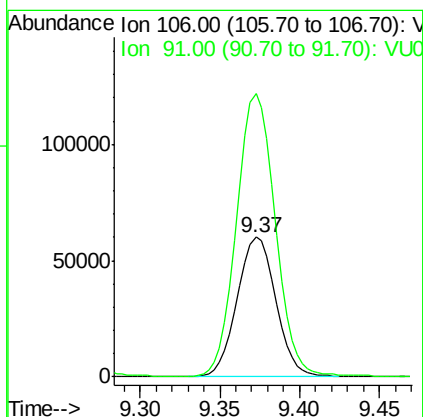
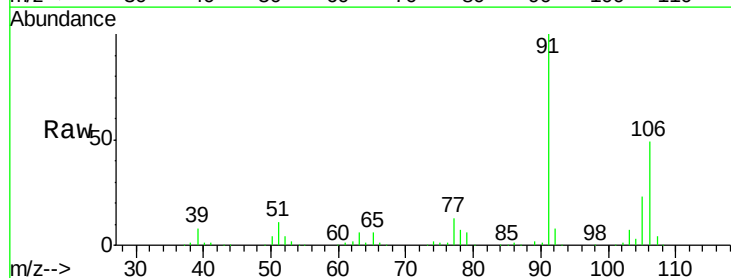
Instrument :
MSVOA_U
ClientSampleId :
VU0116WBSD01

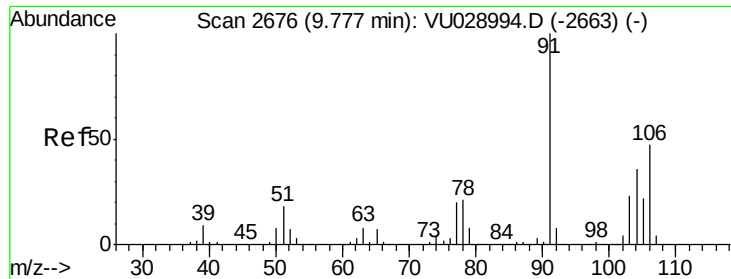
Tot Ion: 91 Resp: 131010
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.4



#68
m/p-Xylenes
Concen: 41.767 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

Tgt Ion: 106 Resp: 99446
Ion Ratio Lower Upper
106 100
91 202.5 161.7 242.5

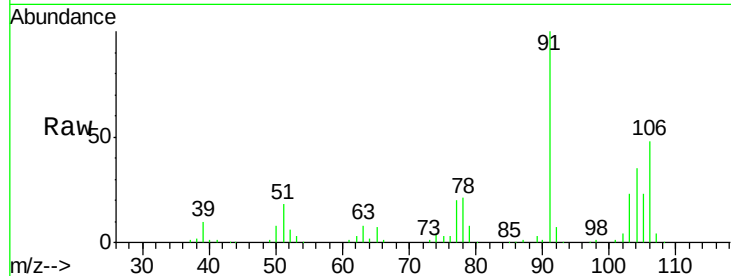




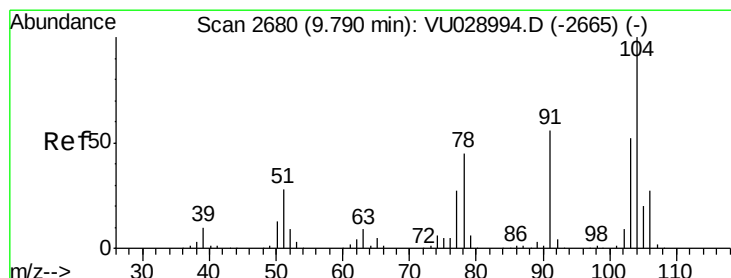
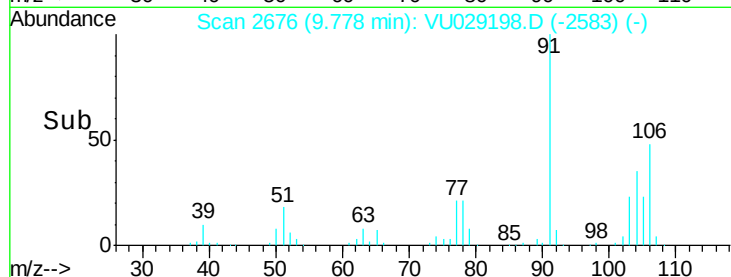
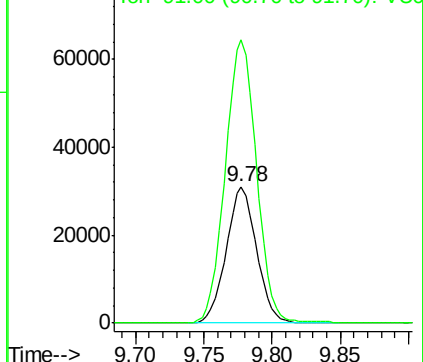
#69
o-Xylene
Concen: 20.919 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

Instrument :
MSVOA_U
ClientSampleId :
VU0116WBSD01

Tot Ion:106 Resp: 47990
Ion Ratio Lower Upper
106 100
91 214.0 106.1 318.3

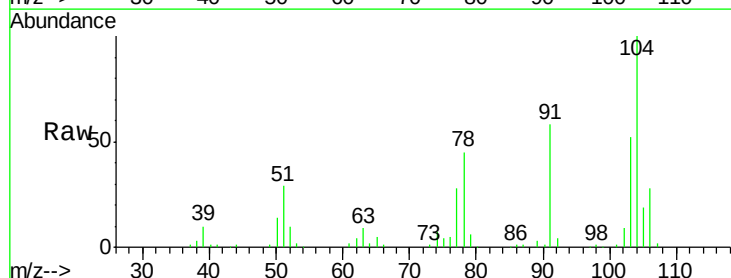


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

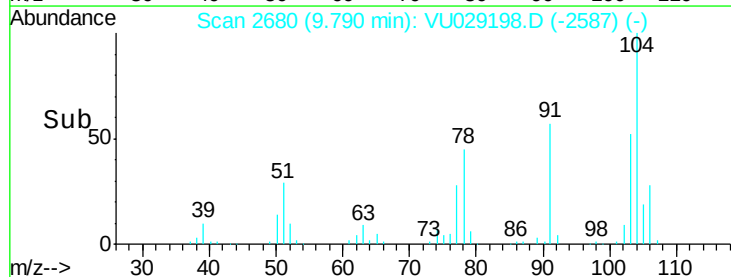
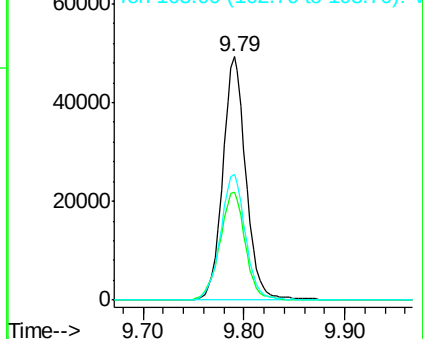


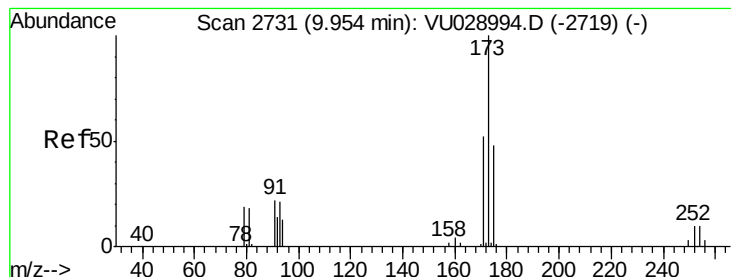
#70
Styrene
Concen: 21.010 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

Tgt Ion:104 Resp: 79016
Ion Ratio Lower Upper
104 100
78 48.6 38.6 58.0
103 55.6 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





#71

Bromoform

Concen: 22.395 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

VU0116WBSD01

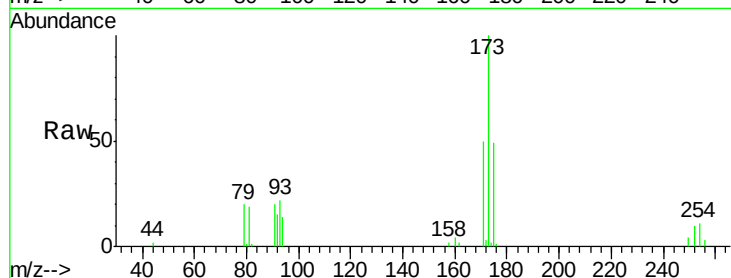
Tot Ion:173 Resp: 23751

Ion Ratio Lower Upper

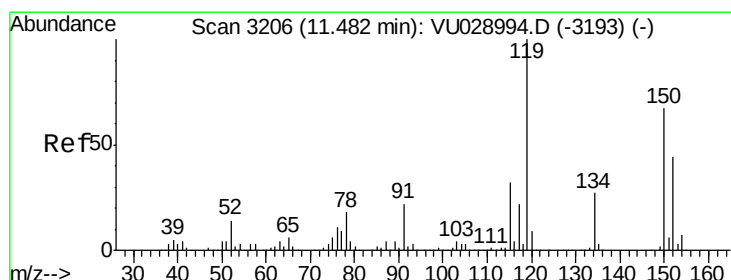
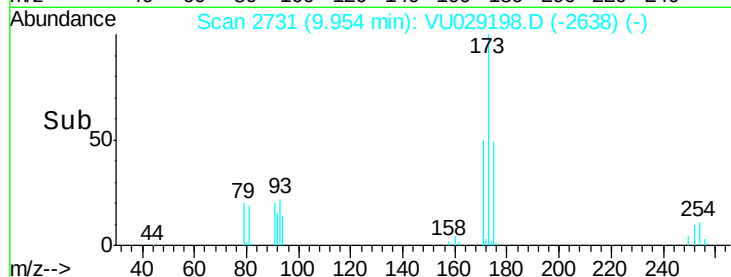
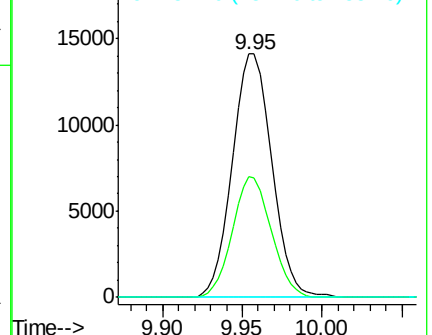
173 100

175 48.5 23.8 71.2

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

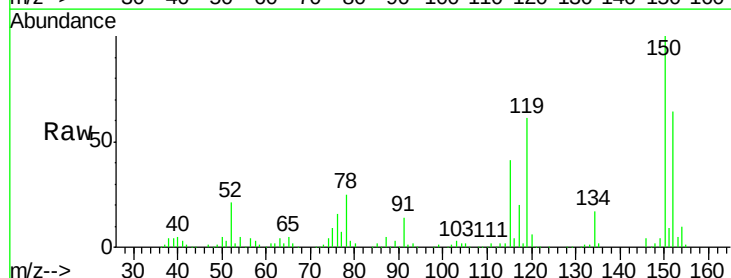
Tgt Ion:152 Resp: 80303

Ion Ratio Lower Upper

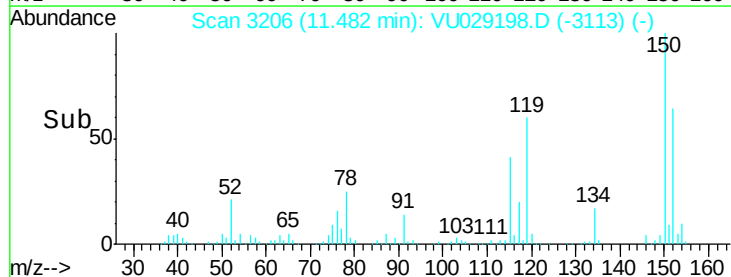
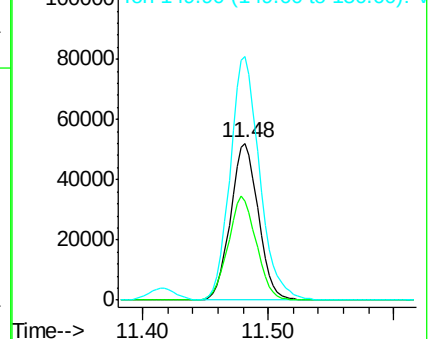
152 100

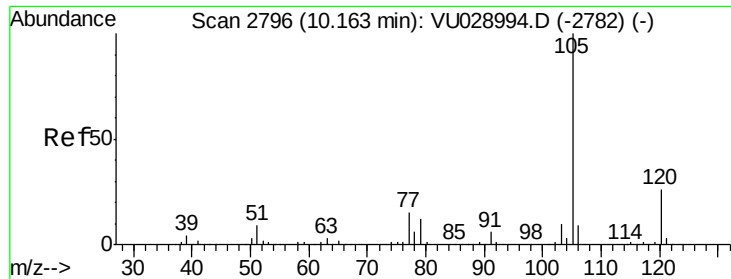
115 67.1 40.1 120.3

150 164.4 0.0 345.2



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





#73

Isopropylbenzene

Concen: 21.347 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

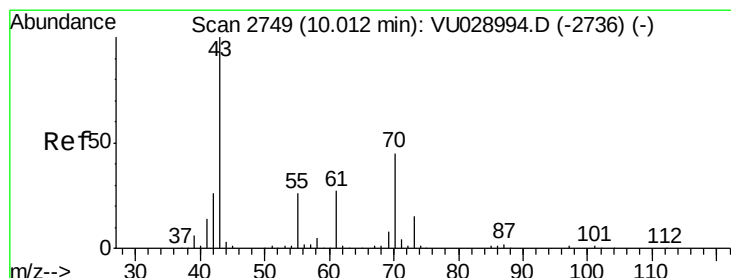
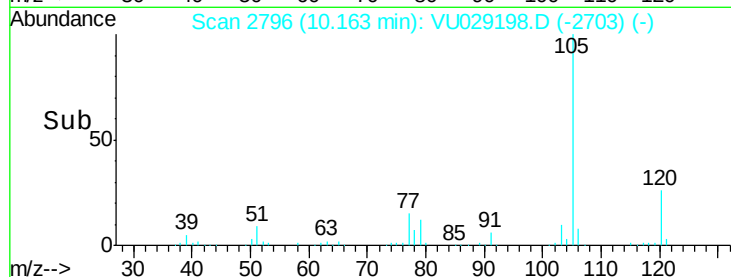
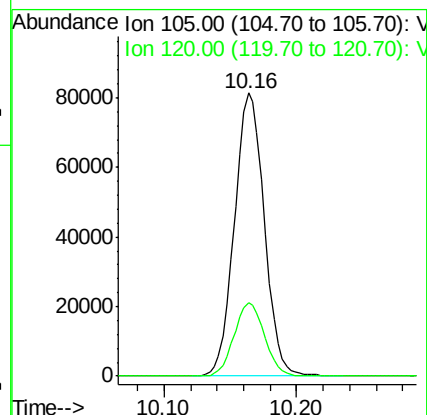
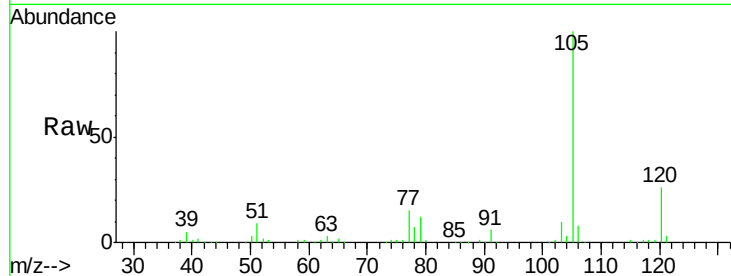
VU0116WBSD01

Tot Ion:105 Resp: 126884

Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.5



#74

N-ethyl acetate

Concen: 22.174 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

Tgt Ion: 43 Resp: 56793

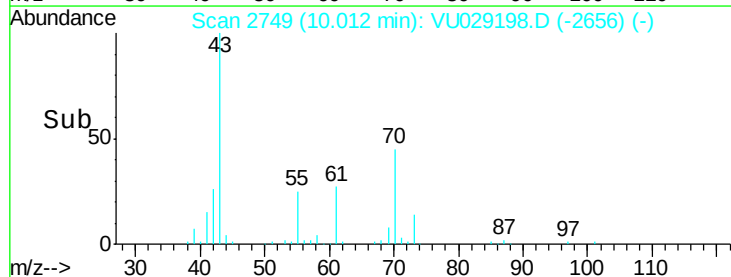
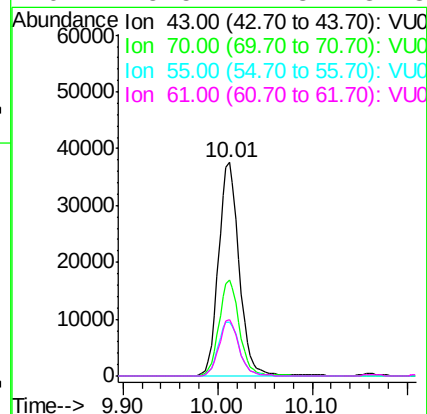
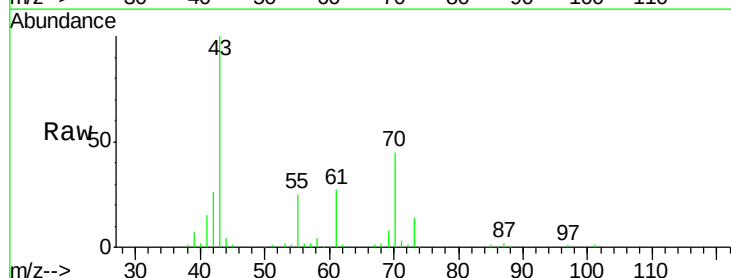
Ion Ratio Lower Upper

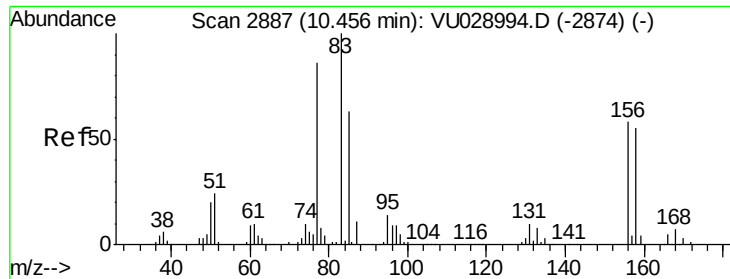
43 100

70 44.4 36.3 54.5

55 26.1 20.5 30.7

61 25.5 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 22.017 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

VU0116WBSD01

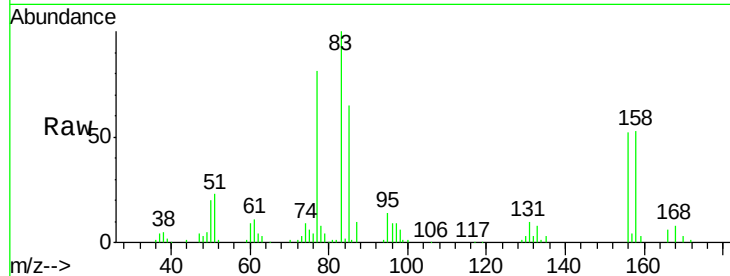
Tot Ion: 83 Resp: 52450

Ion Ratio Lower Upper

83 100

131 9.1 4.7 14.1

85 66.4 32.0 96.2

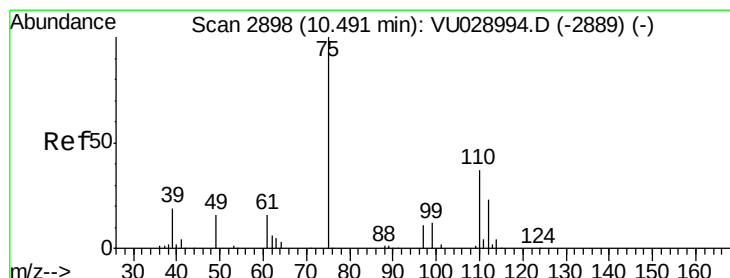
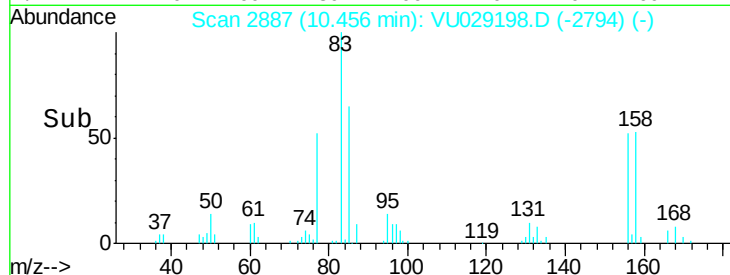


Abundance Ion 82.90 (82.60 to 83.60): VU029198.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU029198.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU029198.D (-2874) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 30.338 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029198.D

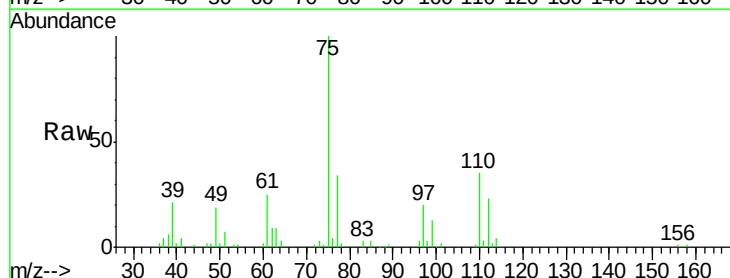
Acq: 16 Jan 2019 10:37

Tgt Ion: 75 Resp: 59692

Ion Ratio Lower Upper

75 100

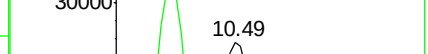
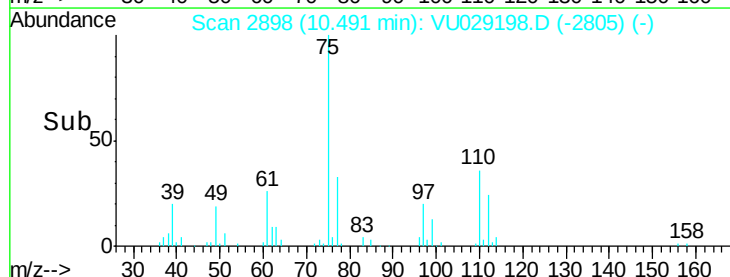
77 29.9 20.9 62.8

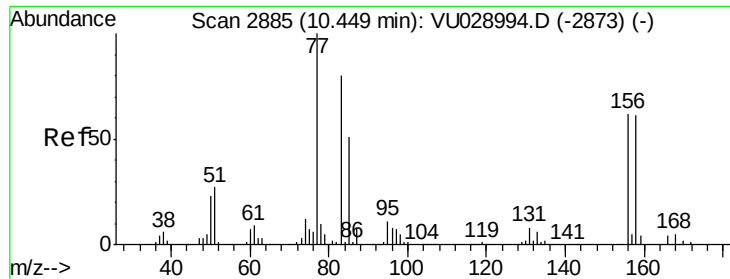


Abundance Ion 74.90 (74.60 to 75.60): VU029198.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU029198.D (-2805) (-)

Time-->





#77

Bromobenzene

Concen: 20.678 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

VU0116WBSD01

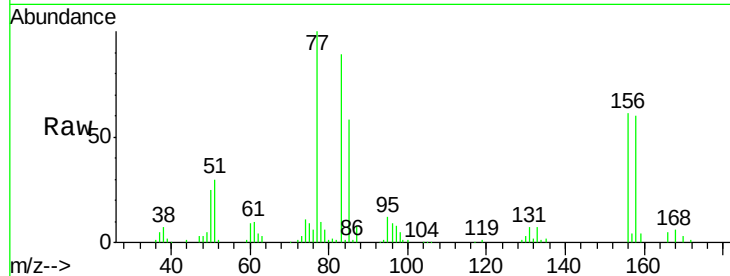
Tot Ion:156 Resp: 32029

Ion Ratio Lower Upper

156 100

77 162.4 79.0 237.2

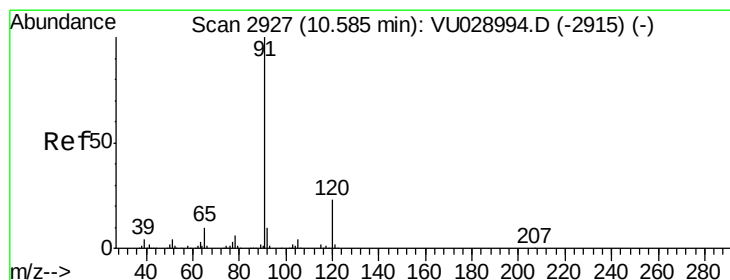
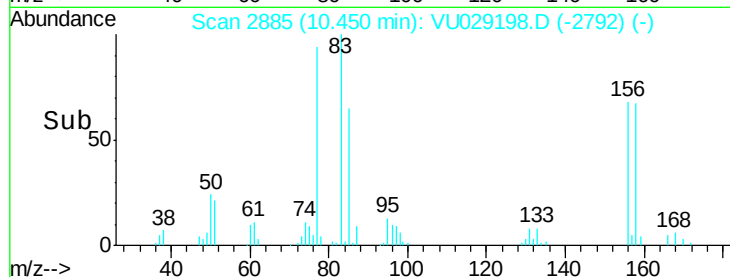
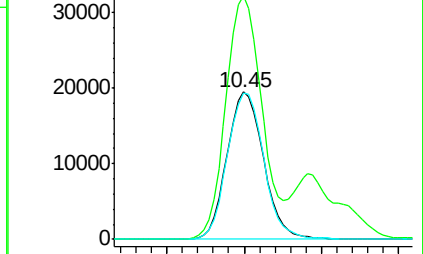
158 99.0 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.657 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029198.D

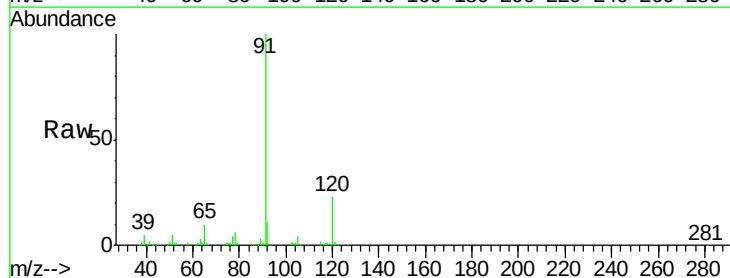
Acq: 16 Jan 2019 10:37

Tgt Ion: 91 Resp: 151702

Ion Ratio Lower Upper

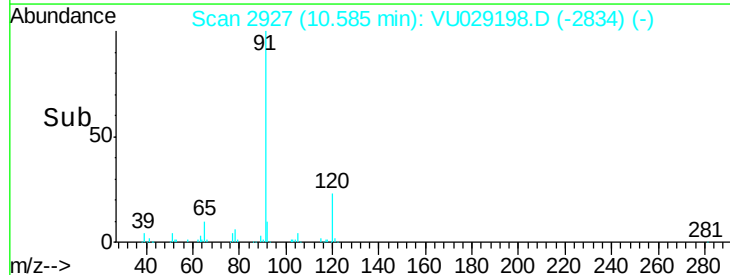
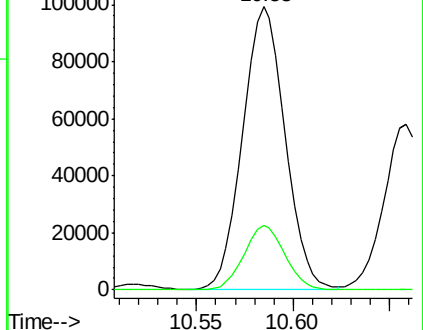
91 100

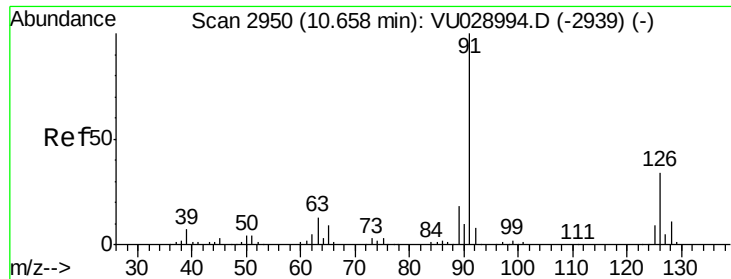
120 21.9 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

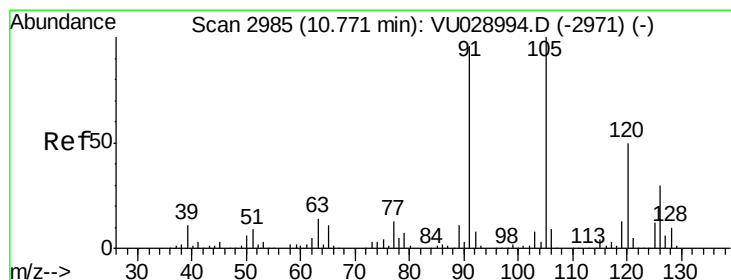
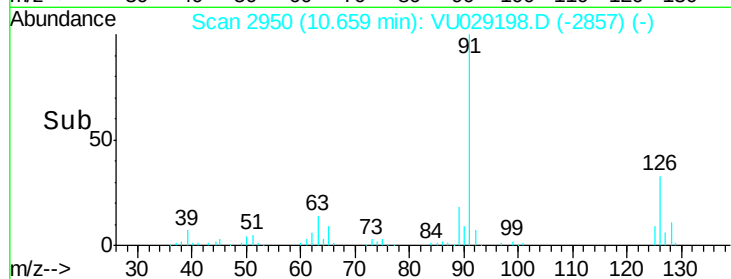
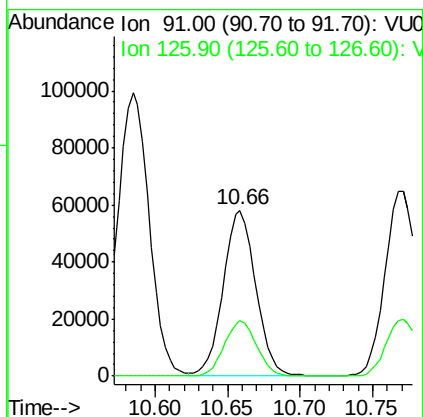
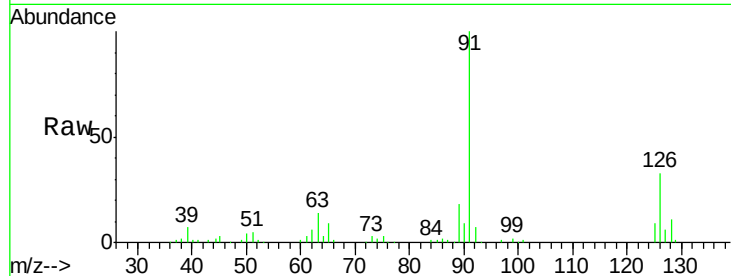




#79
 2-Chlorotoluene
 Concen: 21.427 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU029198.D
 Acq: 16 Jan 2019 10:37

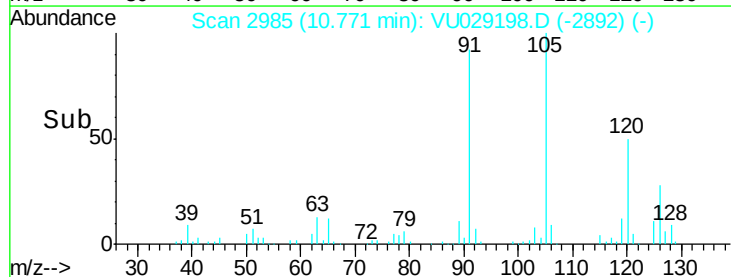
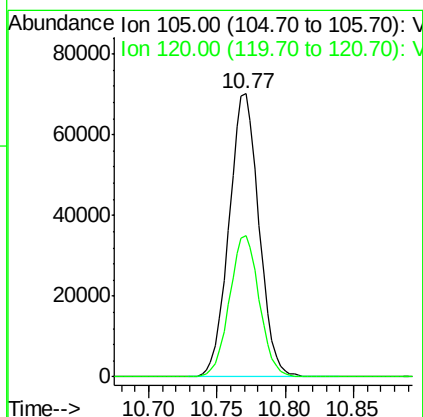
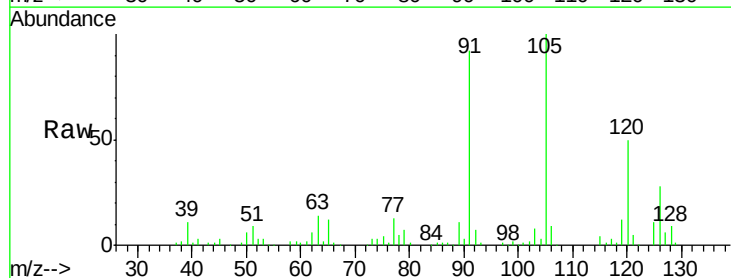
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0116WBSD01

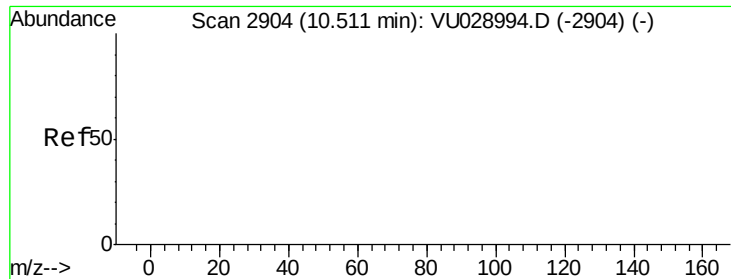
Tot Ion: 91 Resp: 91046
 Ion Ratio Lower Upper
 91 100
 126 33.1 16.8 50.4



#80
 1,3,5-Trimethylbenzene
 Concen: 21.565 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU029198.D
 Acq: 16 Jan 2019 10:37

Tgt Ion: 105 Resp: 107040
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.8 74.4

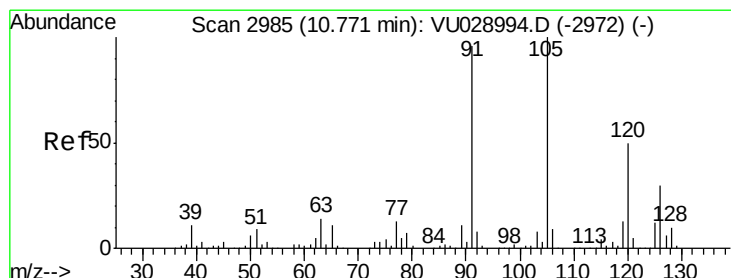
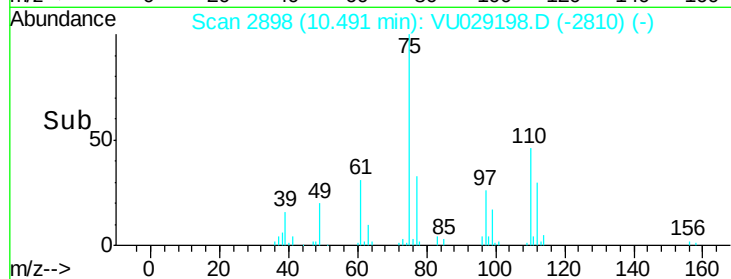
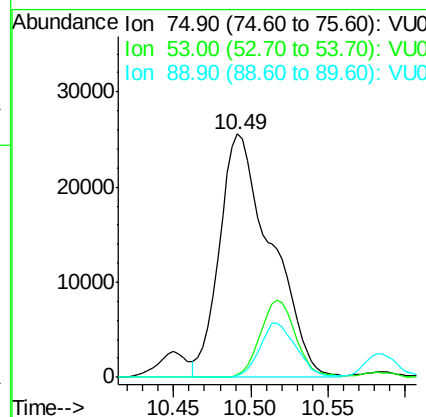
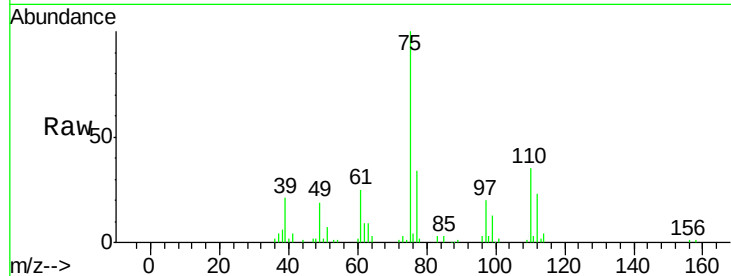




#81
trans-1,4-Dichloro-2-butene
Concen: 78.244 ug/l
RT: 10.49 min Scan# 2898
Delta R.T. -0.02 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

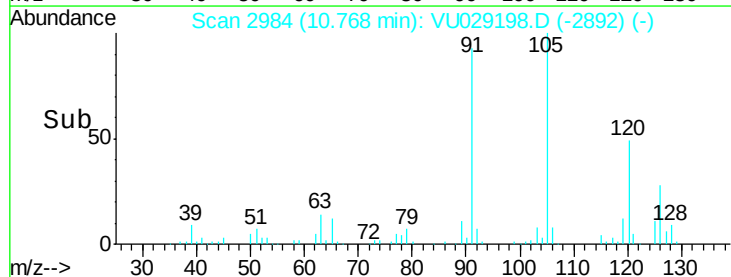
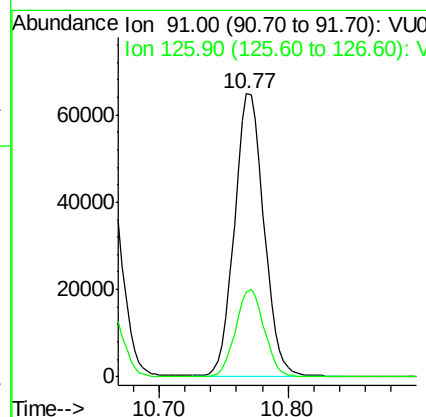
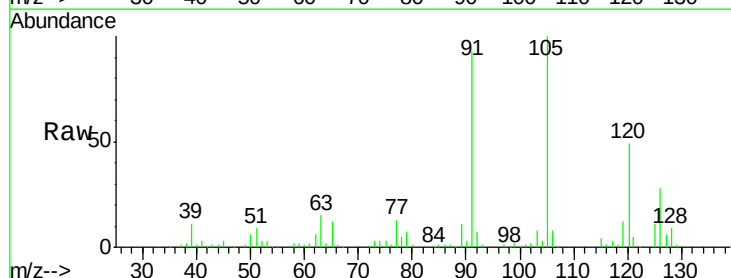
Instrument :
MSVOA_U
ClientSampleId :
VU0116WBSD01

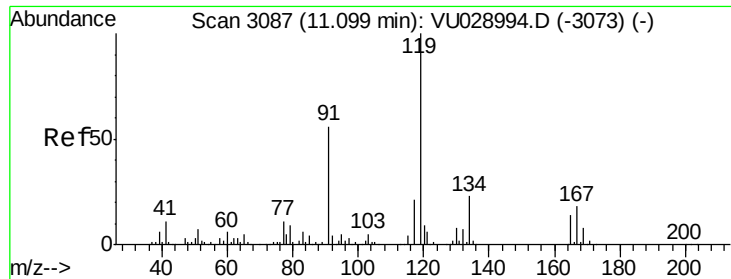
Tot Ion: 75 Resp: 59692
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 21.108 ug/l
RT: 10.77 min Scan# 2984
Delta R.T. -0.00 min
Lab File: VU029198.D
Acq: 16 Jan 2019 10:37

Tgt Ion: 91 Resp: 102844
Ion Ratio Lower Upper
91 100
126 30.1 15.5 46.5

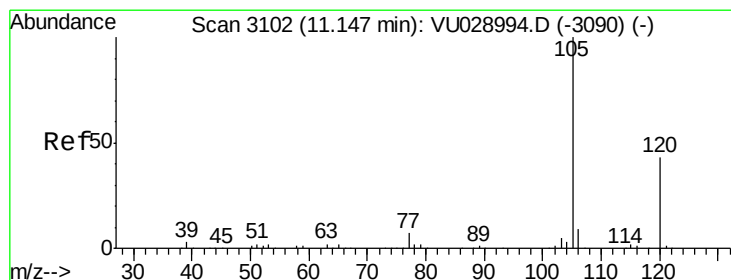
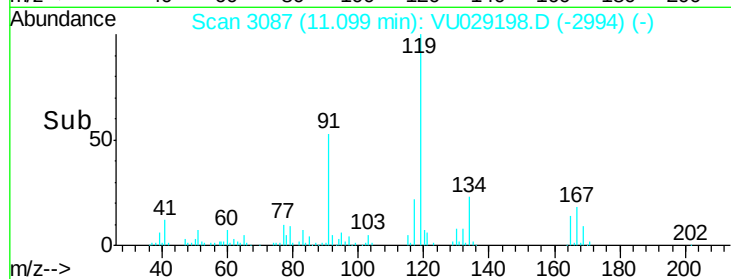
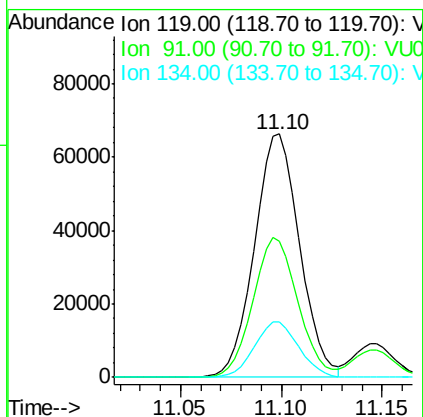
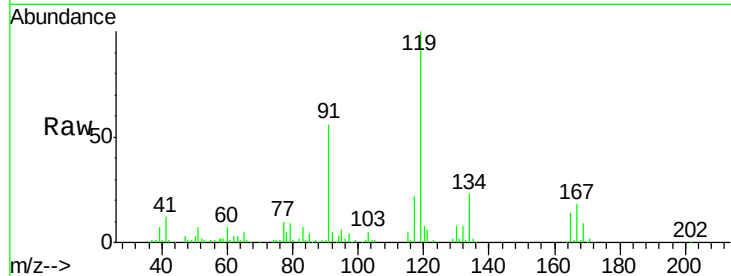




#83
 tert-Butylbenzene
 Concen: 21.223 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU029198.D
 Acq: 16 Jan 2019 10:37

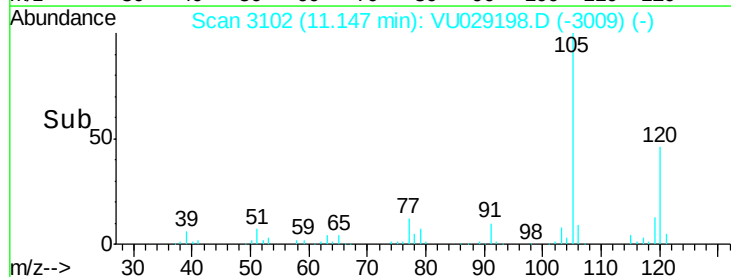
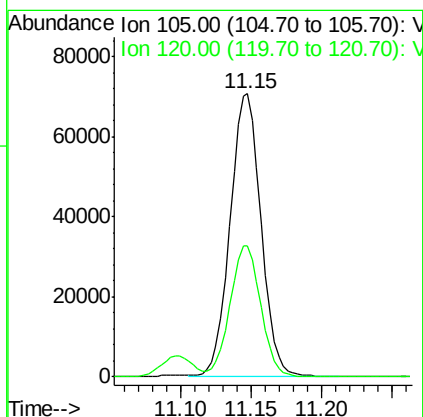
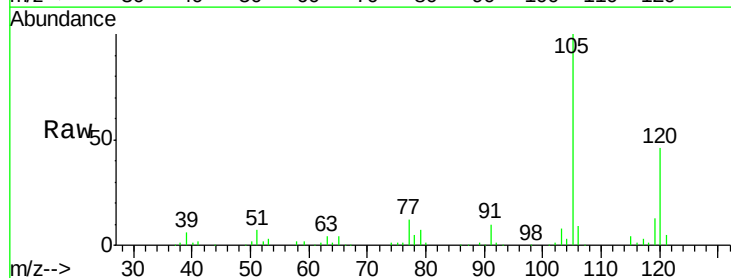
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0116WBSD01

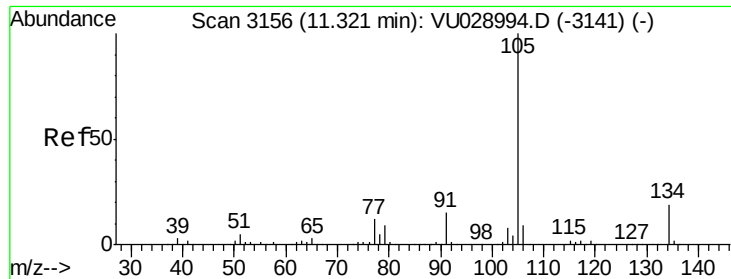
Tot Ion:119 Resp: 103826
 Ion Ratio Lower Upper
 119 100
 91 56.9 28.2 84.6
 134 22.3 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.914 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU029198.D
 Acq: 16 Jan 2019 10:37

Tgt Ion:105 Resp: 108595
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.1 69.3





#85

sec-Butylbenzene

Concen: 21.782 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

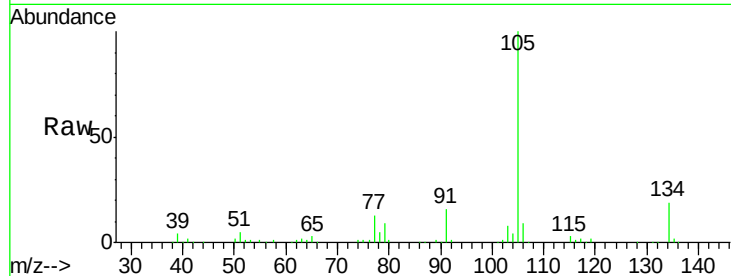
VU0116WBSD01

Tot Ion:105 Resp: 128874

Ion Ratio Lower Upper

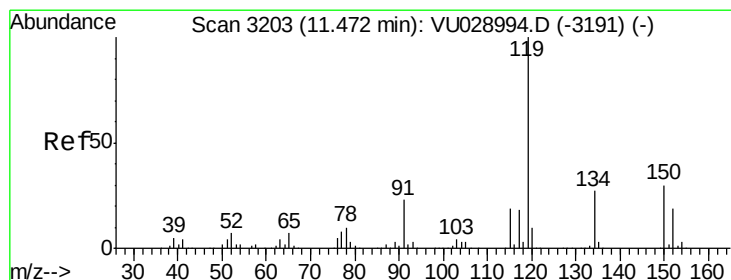
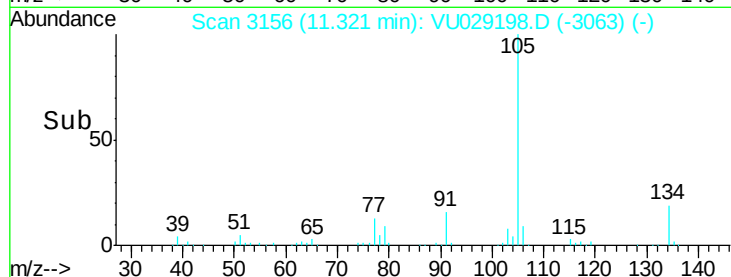
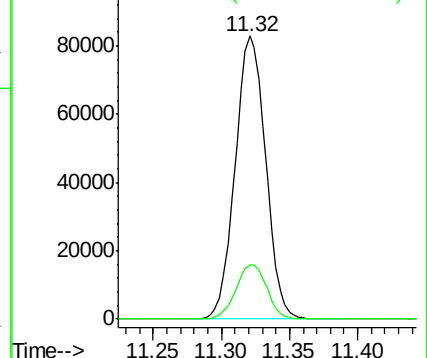
105 100

134 19.3 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.610 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

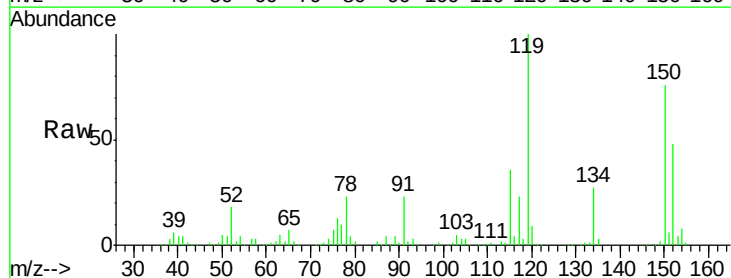
Tgt Ion:119 Resp: 108951

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

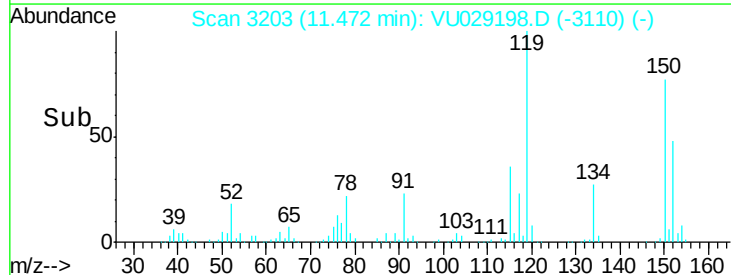
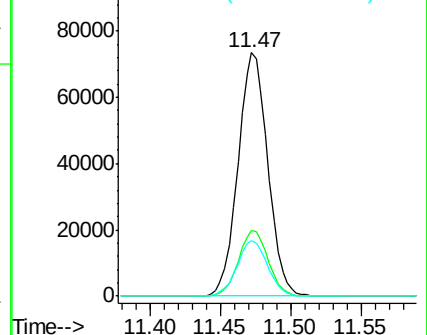
91 23.4 11.3 33.8

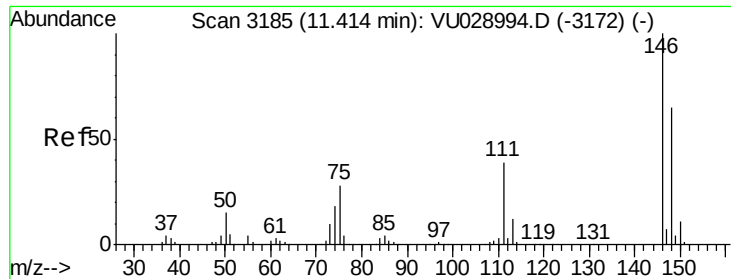


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

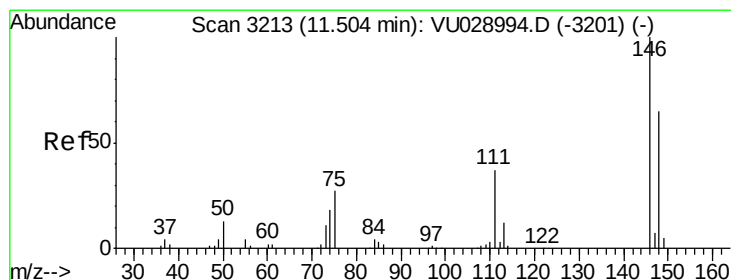
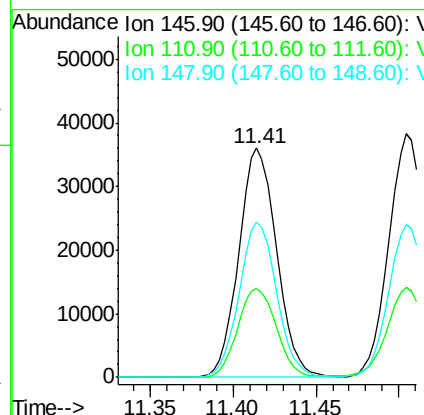
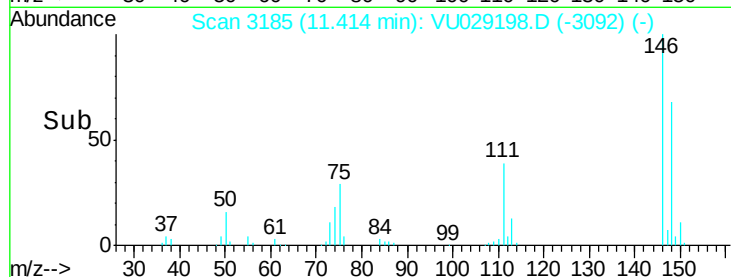
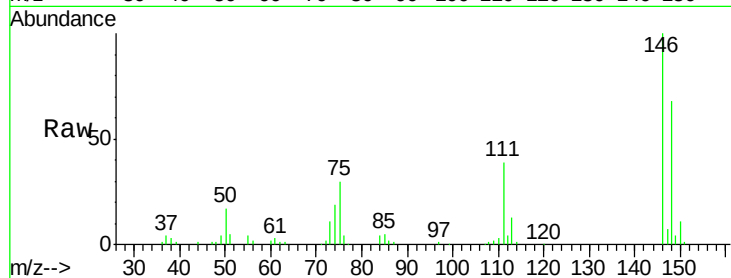




#87
 1,3-Dichlorobenzene
 Concen: 20.168 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029198.D
 Acq: 16 Jan 2019 10:37

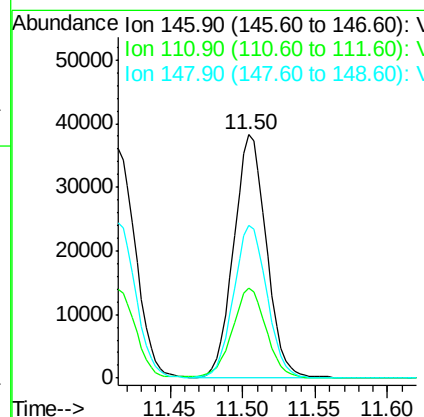
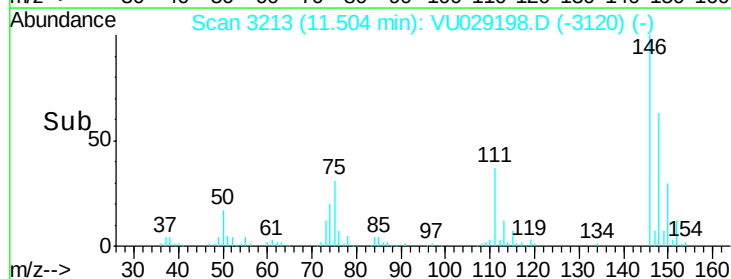
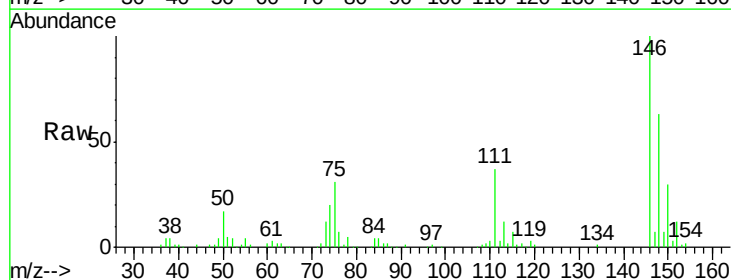
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0116WBSD01

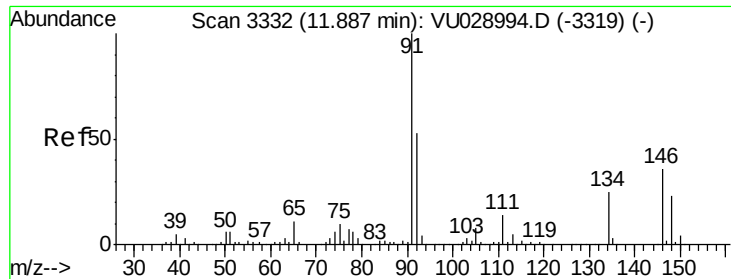
Tot Ion:146 Resp: 57300
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.3 57.8
 148 67.1 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 20.427 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029198.D
 Acq: 16 Jan 2019 10:37

Tgt Ion:146 Resp: 59906
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.1 57.3
 148 64.2 32.6 98.0





#89

n-Butylbenzene

Concen: 22.023 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

VU0116WBSD01

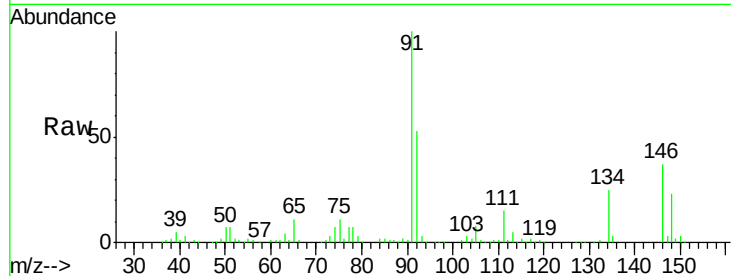
Tot Ion: 91 Resp: 99101

Ion Ratio Lower Upper

91 100

92 51.8 26.2 78.5

134 24.5 12.6 37.6

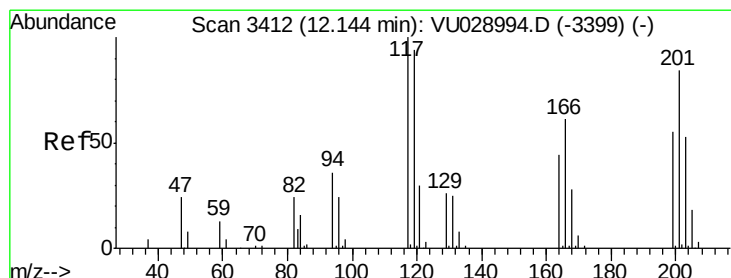
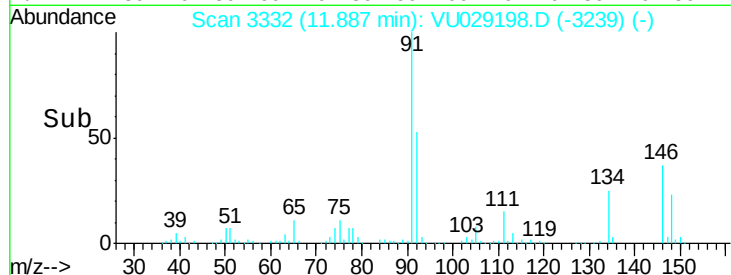


Abundance Ion 91.00 (90.70 to 91.70): VU028994.D (-3319) (-)

Ion 92.00 (91.70 to 92.70): VU028994.D (-3319) (-)

Ion 134.00 (133.70 to 134.70): VU028994.D (-3319) (-)

Time-->



#90

Hexachloroethane

Concen: 21.727 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VU029198.D

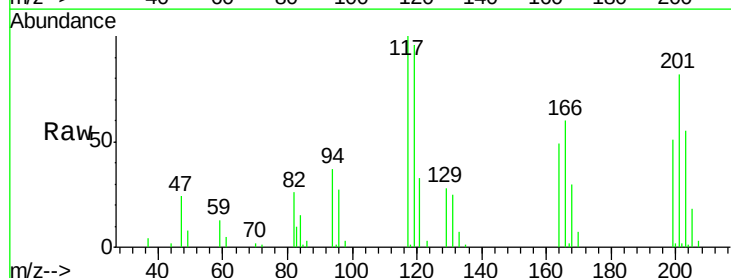
Acq: 16 Jan 2019 10:37

Tgt Ion: 117 Resp: 18428

Ion Ratio Lower Upper

117 100

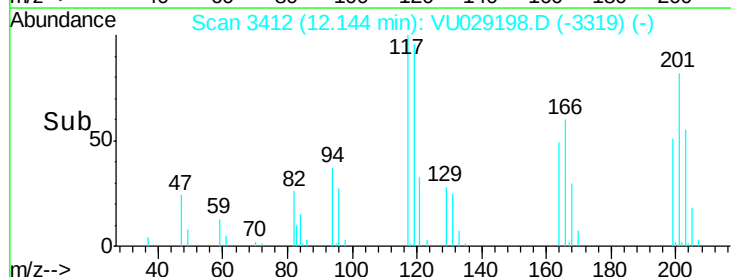
201 81.0 42.4 127.3

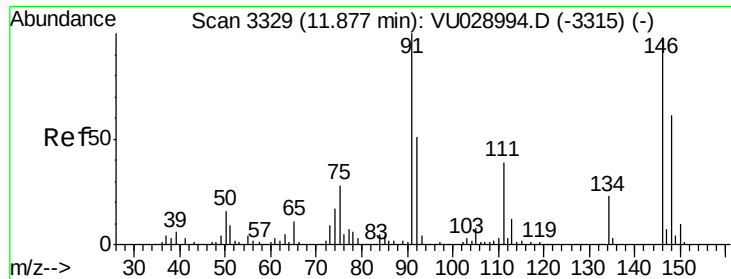


Abundance Ion 116.80 (116.50 to 117.50): VU028994.D (-3399) (-)

Ion 200.70 (200.40 to 201.40): VU028994.D (-3399) (-)

Time-->

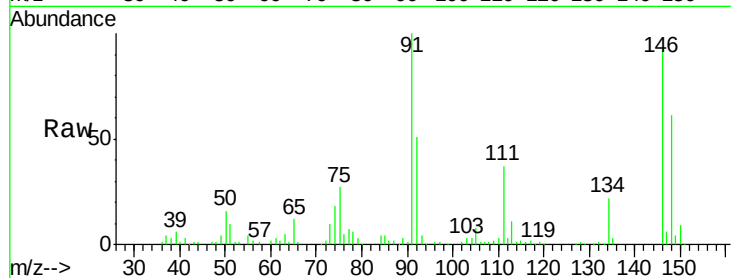




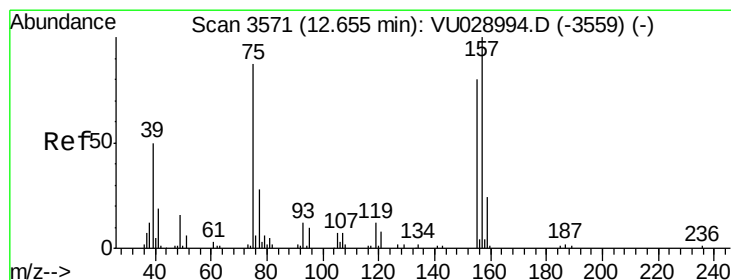
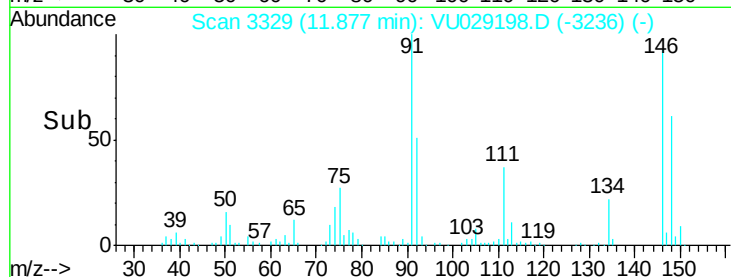
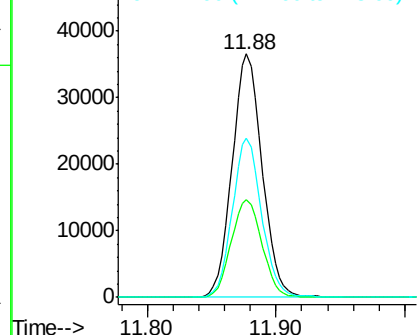
#91
 1,2-Dichlorobenzene
 Concen: 20.611 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029198.D
 Acq: 16 Jan 2019 10:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0116WBSD01

Tot Ion:146 Resp: 58983
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.0 59.9
 148 64.0 31.6 94.8

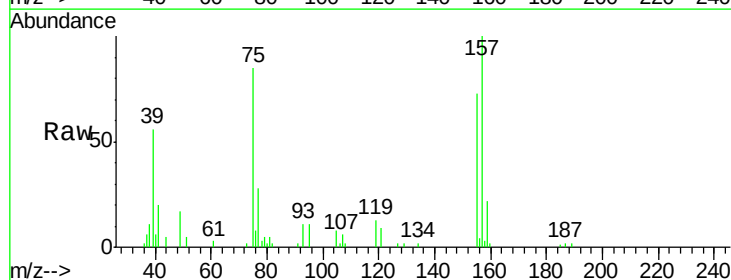


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

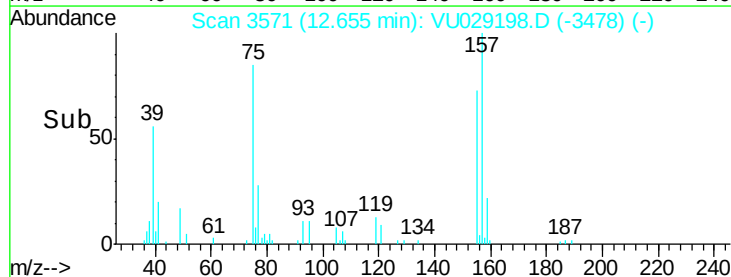
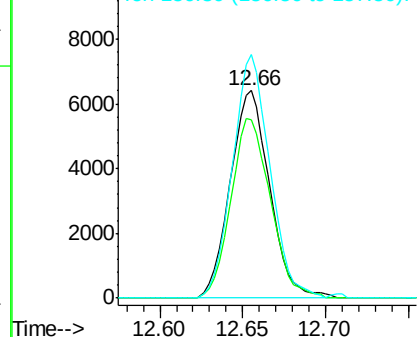


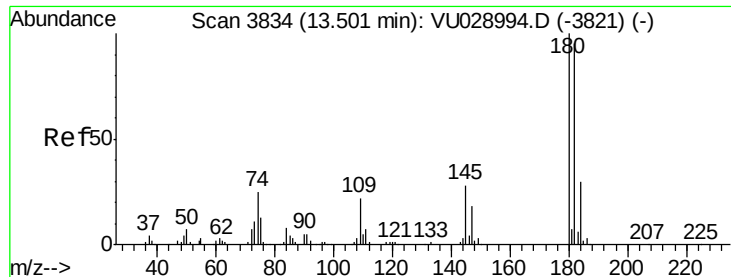
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.087 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU029198.D
 Acq: 16 Jan 2019 10:37

Tgt Ion: 75 Resp: 10578
 Ion Ratio Lower Upper
 75 100
 155 86.8 46.3 138.8
 157 111.5 57.4 172.0



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

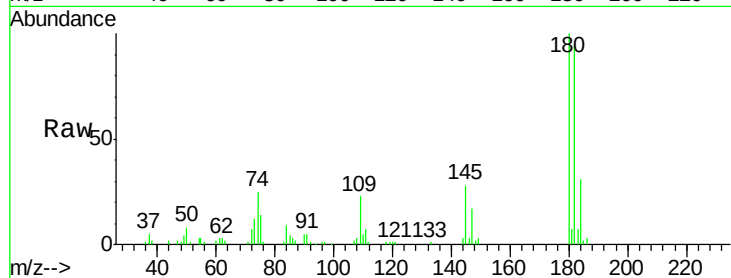




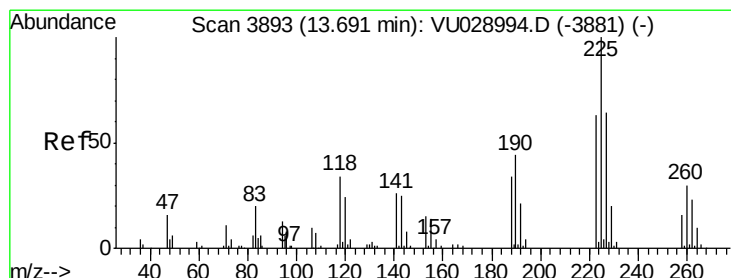
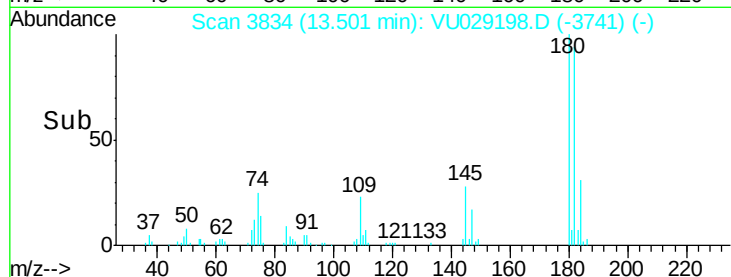
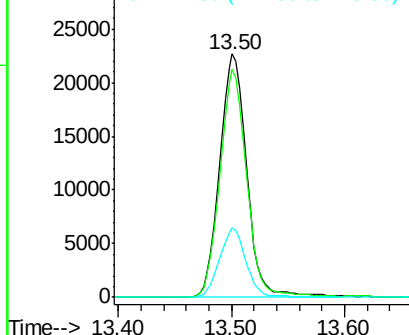
#93
 1,2,4-Trichlorobenzene
 Concen: 20.677 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029198.D
 Acq: 16 Jan 2019 10:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0116WBSD01

Tot Ion:180 Resp: 37772
 Ion Ratio Lower Upper
 180 100
 182 92.7 47.5 142.6
 145 27.5 14.0 42.0

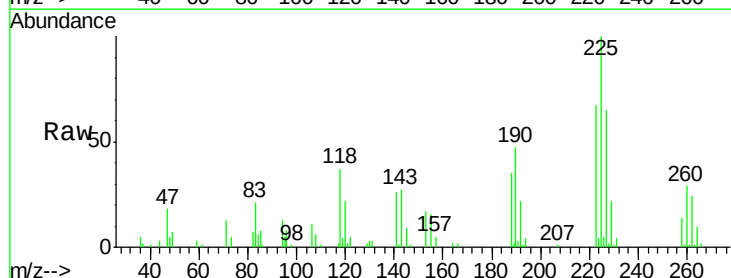


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

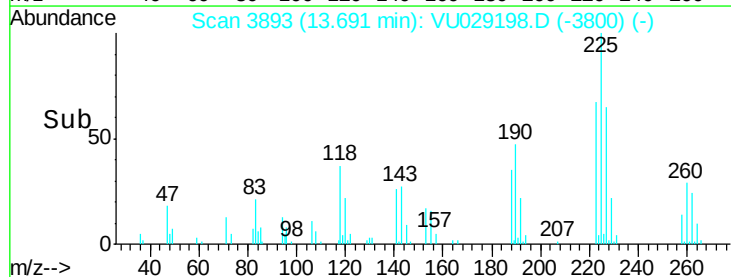
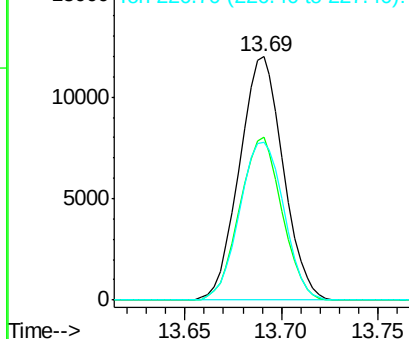


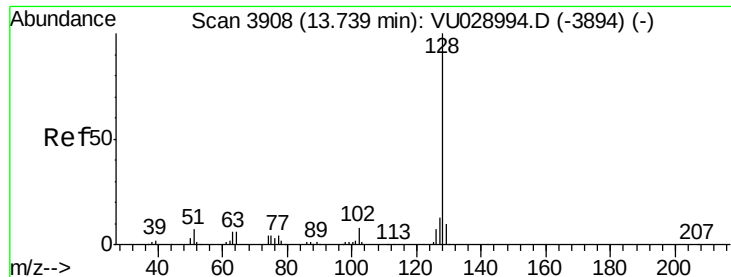
#94
 Hexachlorobutadiene
 Concen: 22.548 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029198.D
 Acq: 16 Jan 2019 10:37

Tgt Ion:225 Resp: 18840
 Ion Ratio Lower Upper
 225 100
 223 64.9 31.4 94.0
 227 65.8 31.9 95.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.529 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

VU0116WBSD01

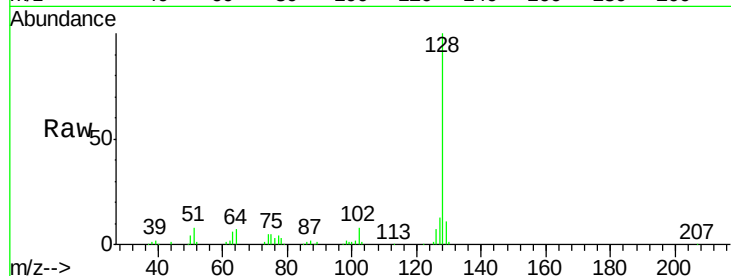
Tot Ion:128 Resp: 121359

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

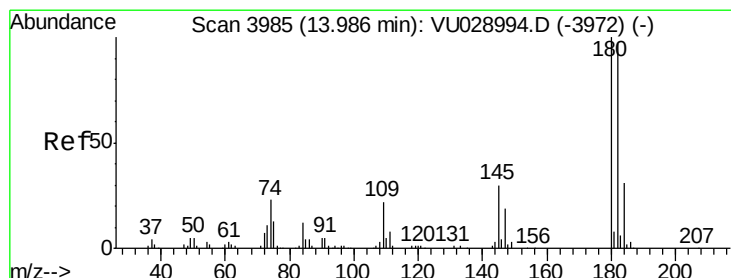
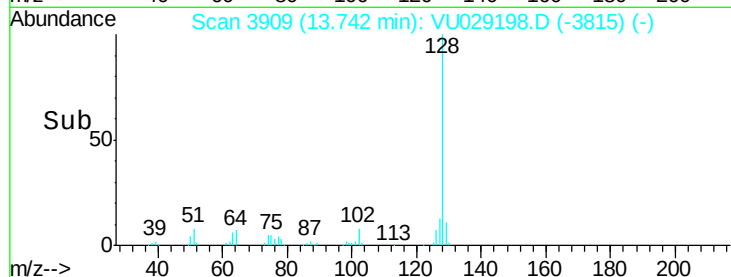
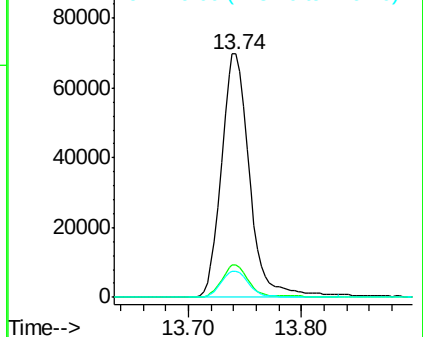
129 10.4 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.407 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU029198.D

Acq: 16 Jan 2019 10:37

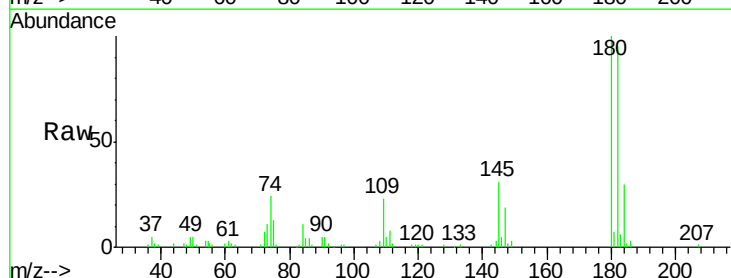
Tgt Ion:180 Resp: 39411

Ion Ratio Lower Upper

180 100

182 94.6 48.1 144.3

145 30.6 14.8 44.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

