

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110218\
 Data File : VU027917.D
 Acq On : 02 Nov 2018 11:43
 Operator : MD/SY
 Sample : VU1102WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBSD01

Quant Time: Nov 03 04:20:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	161675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	285548	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	265974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	124556	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	129058	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
35) Dibromofluoromethane	4.88	113	94751	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
50) Toluene-d8	7.57	98	346992	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
62) 4-Bromofluorobenzene	10.31	95	125575	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	42263	20.572	ug/l	95
3) Chloromethane	1.33	50	51176	20.598	ug/l	98
4) Vinyl Chloride	1.40	62	46674	18.927	ug/l	98
5) Bromomethane	1.62	94	21096	23.143	ug/l	95
6) Chloroethane	1.70	64	27888	19.625	ug/l	97
7) Trichlorofluoromethane	1.88	101	54909	19.269	ug/l	99
8) Diethyl Ether	2.11	74	26761	21.933	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.29	101	32732	19.336	ug/l	98
10) Methyl Iodide	2.41	142	20966	19.153	ug/l	98
11) Tert butyl alcohol	2.83	59	69366	109.008	ug/l	99
12) 1,1-Dichloroethene	2.28	96	31147	18.382	ug/l	99
13) Acrolein	2.20	56	23955	98.215	ug/l	100
14) Allyl chloride	2.59	41	80050	19.330	ug/l	98
15) Acrylonitrile	2.94	53	169327	108.327	ug/l	98
16) Acetone	2.32	43	151864	101.830	ug/l	99
17) Carbon Disulfide	2.48	76	105249	19.003	ug/l	100
18) Methyl Acetate	2.62	43	85995	20.962	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	147862	21.639	ug/l	100
20) Methylene Chloride	2.70	84	46413	21.315	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	37937	19.401	ug/l	97
22) Diisopropyl ether	3.58	45	181023	21.173	ug/l	96
23) Vinyl Acetate	3.53	43	810499	110.303	ug/l	100
24) 1,1-Dichloroethane	3.45	63	85231	20.014	ug/l	97
25) 2-Butanone	4.27	43	251698	106.086	ug/l	98
26) 2,2-Dichloropropane	4.23	77	59173	18.515	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	47223	21.535	ug/l	98
28) Bromochloromethane	4.55	49	42518	21.297	ug/l	98
29) Tetrahydrofuran	4.64	42	170967	107.915	ug/l	99
30) Chloroform	4.67	83	79492	20.358	ug/l	98
31) Cyclohexane	5.00	56	82387	18.655	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	61183	19.684	ug/l	100
36) 1,1-Dichloropropene	5.14	75	55094	18.422	ug/l	99
37) Ethyl Acetate	4.39	43	90571	20.669	ug/l	98
38) Carbon Tetrachloride	5.13	117	49123	18.535	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	67095	18.601	ug/l	98
40) Benzene	5.39	78	182550	19.965	ug/l	98
41) Methacrylonitrile	4.55	41	50161	21.450	ug/l	98
42) 1,2-Dichloroethane	5.41	62	67836	20.872	ug/l	98
43) Isopropyl Acetate	5.55	43	146639	21.360	ug/l	100
44) Trichloroethene	6.19	130	38205	19.438	ug/l	100
45) 1,2-Dichloropropane	6.43	63	54104	20.518	ug/l	97
46) Dibromomethane	6.56	93	32602	21.509	ug/l	98
47) Bromodichloromethane	6.76	83	60559	20.732	ug/l	97
48) Methyl methacrylate	6.63	41	72660	21.598	ug/l	99
49) 1,4-Dioxane	6.61	88	25513	464.820	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	477051	104.050	ug/l	100
52) Toluene	7.64	92	105660	19.656	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	69870	19.976	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	75269	20.903	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	45556	20.831	ug/l	96
56) Ethyl methacrylate	8.02	69	80304	20.822	ug/l	97
57) 1,3-Dichloropropane	8.24	76	84282	21.156	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	219751	106.389	ug/l	100
59) 2-Hexanone	8.36	43	372878	105.153	ug/l	99
60) Dibromochloromethane	8.48	129	43764	21.147	ug/l	98
61) 1,2-Dibromoethane	8.59	107	49043	21.105	ug/l	100
64) Tetrachloroethene	8.23	164	32203	18.672	ug/l	95
65) Chlorobenzene	9.12	112	108327	19.278	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	38602	20.112	ug/l	97
67) Ethyl Benzene	9.25	91	196794	19.026	ug/l	100
68) m/p-Xylenes	9.38	106	146159	38.945	ug/l	98
69) o-Xylene	9.78	106	73872	19.493	ug/l	99
70) Styrene	9.79	104	120008	19.819	ug/l	99
71) Bromoform	9.96	173	31742	19.733	ug/l #	97
73) Isopropylbenzene	10.17	105	188054	19.489	ug/l	99
74) N-amyl acetate	10.01	43	123098	21.097	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	83440	21.438	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	93766	27.522	ug/l	79
77) Bromobenzene	10.45	156	46485	21.009	ug/l	99
78) n-propylbenzene	10.59	91	223577	19.357	ug/l	100
79) 2-Chlorotoluene	10.66	91	136241	19.679	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	157088	19.652	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	93766	68.618	ug/l #	100
82) 4-Chlorotoluene	10.77	91	151118	19.227	ug/l	98
83) tert-Butylbenzene	11.10	119	152922	19.137	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	161293	20.039	ug/l	99
85) sec-Butylbenzene	11.32	105	186714	19.213	ug/l	99
86) p-Isopropyltoluene	11.48	119	157387	19.372	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	81018	19.822	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	80233	19.152	ug/l	98
89) n-Butylbenzene	11.89	91	143866	18.633	ug/l	99
90) Hexachloroethane	12.15	117	26786	18.519	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	83018	20.198	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	18241	22.241	ug/l	93

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Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration

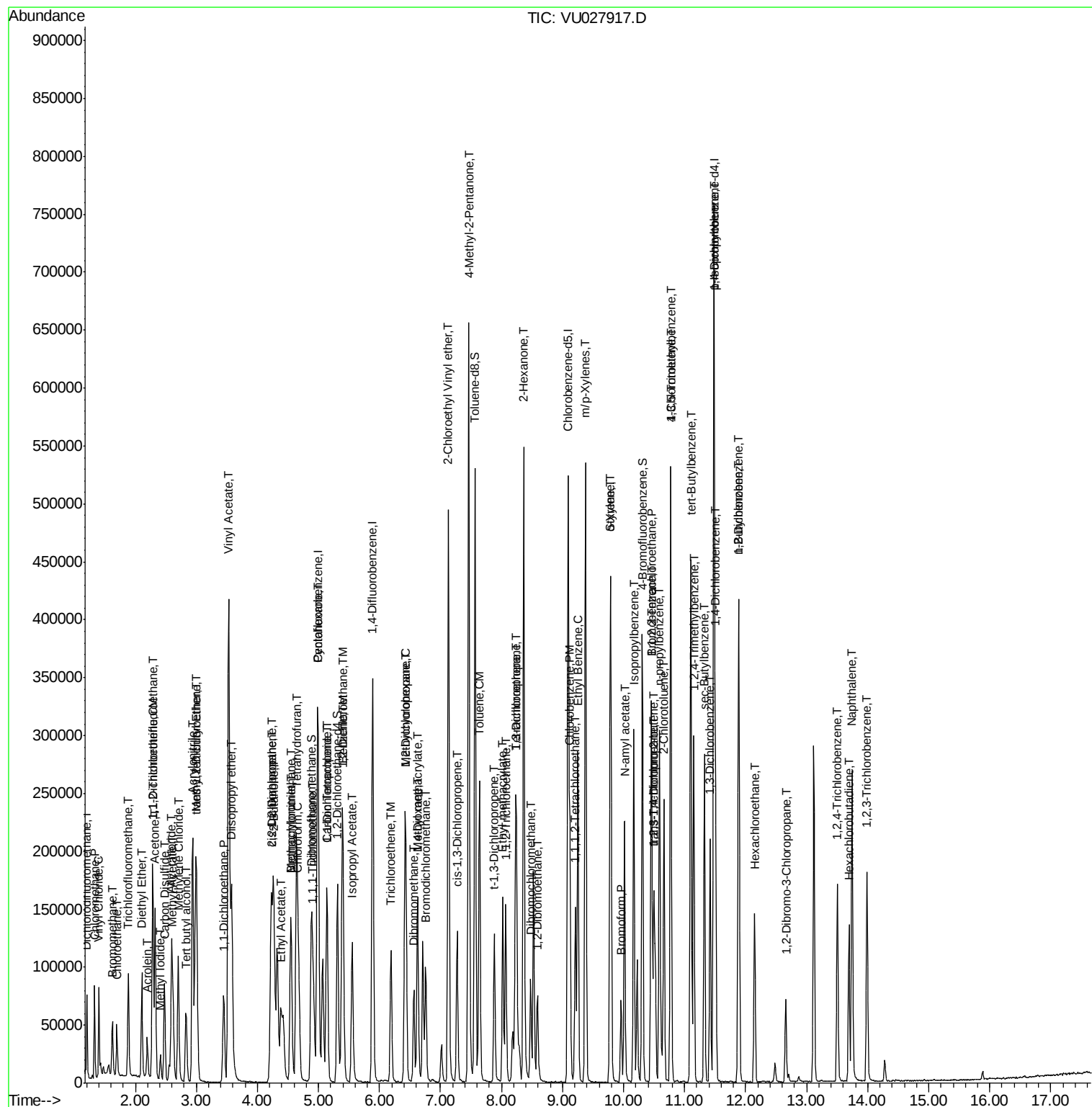
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	52399	18.613	ug/l	97
94) Hexachlorobutadiene	13.69	225	25220	19.306	ug/l	96
95) Naphthalene	13.74	128	206272	20.081	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	57340	20.790	ug/l	100

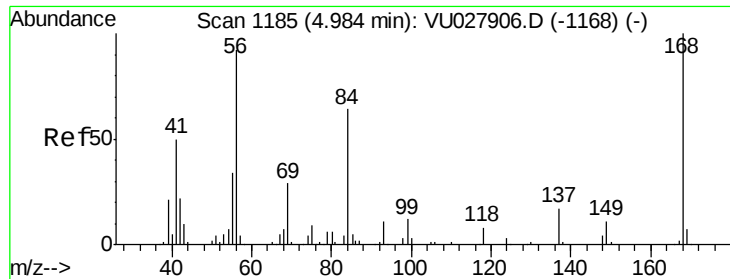
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU110218\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

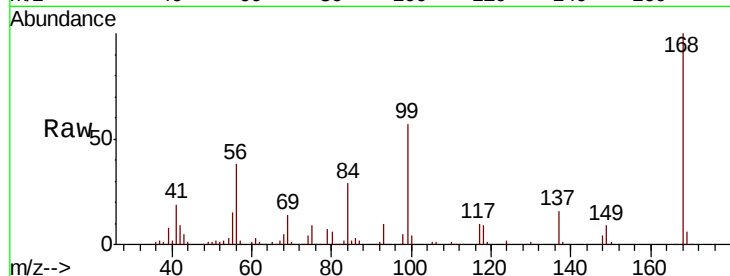
VU1102WBSD01

Tot Ion:168 Resp: 161675

Ion Ratio Lower Upper

168 100

99 57.0 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

4.99

80000

60000

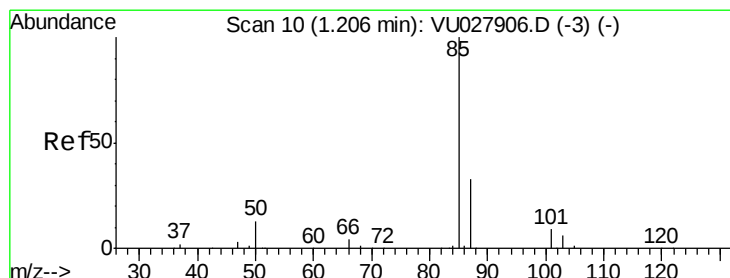
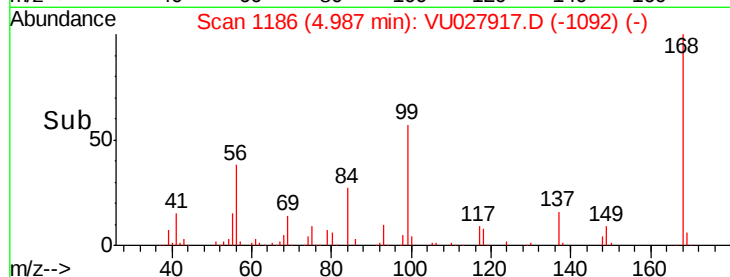
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.572 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027917.D

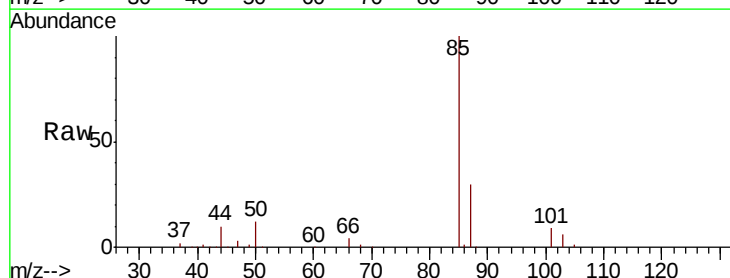
Acq: 02 Nov 2018 11:43

Tgt Ion: 85 Resp: 42263

Ion Ratio Lower Upper

85 100

87 30.4 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027906.D (-3) (-)

1.21

50000

40000

30000

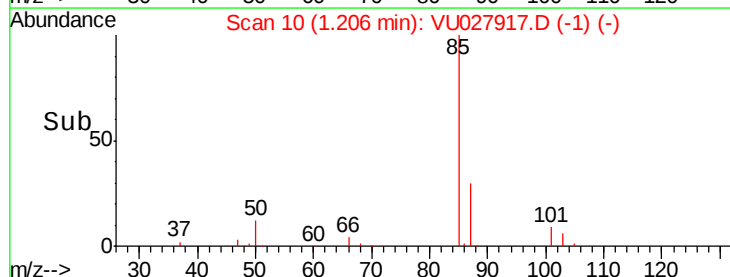
20000

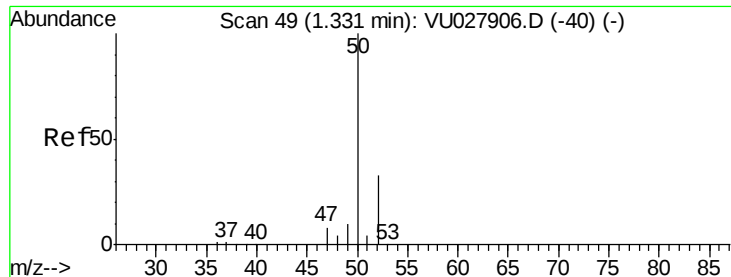
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 20.598 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

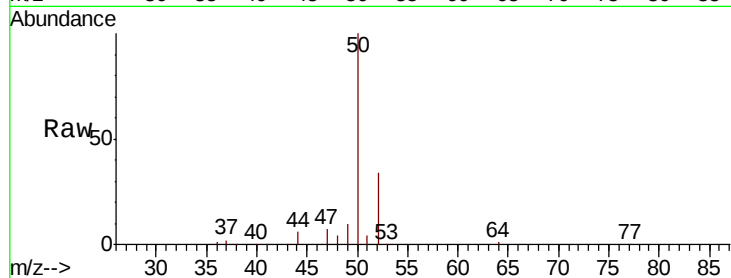
VU1102WBSD01

Tot Ion: 50 Resp: 51176

Ion Ratio Lower Upper

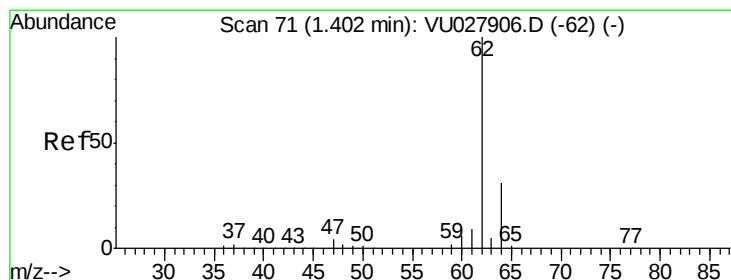
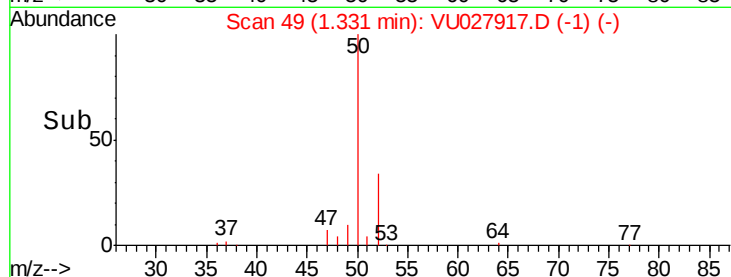
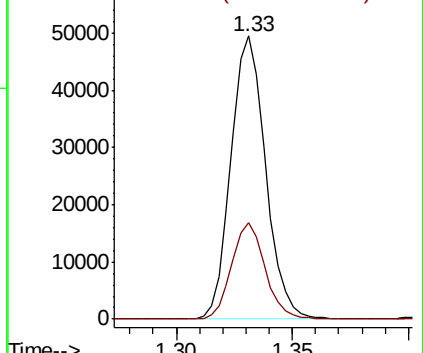
50 100

52 33.9 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 18.927 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027917.D

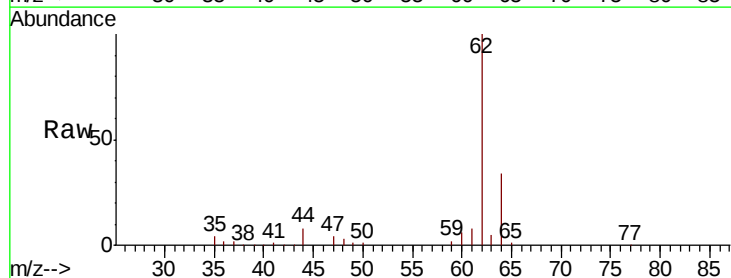
Acq: 02 Nov 2018 11:43

Tgt Ion: 62 Resp: 46674

Ion Ratio Lower Upper

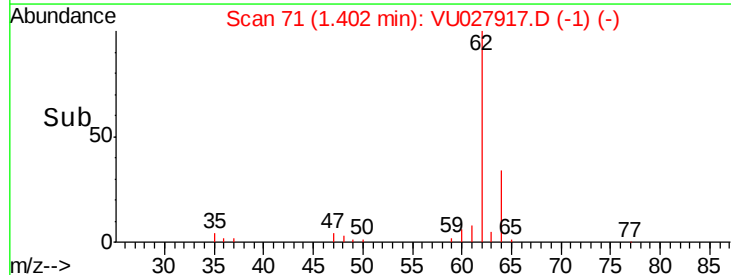
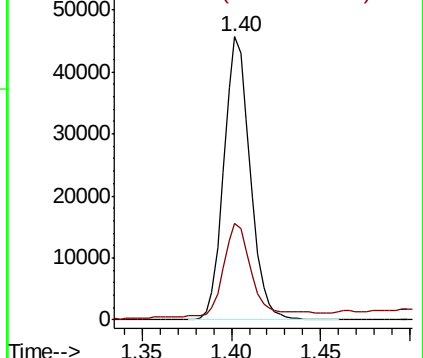
62 100

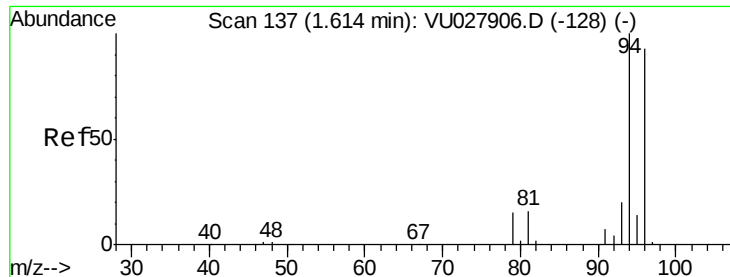
64 32.7 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 23.143 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

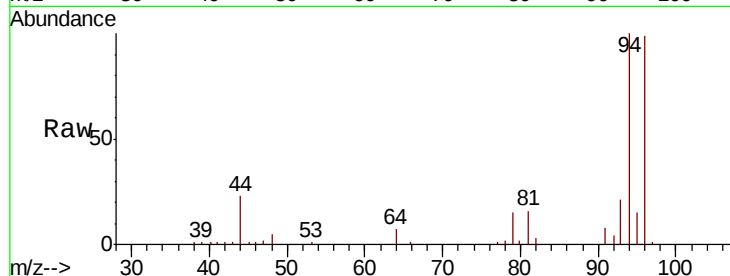
VU1102WBSD01

Tot Ion: 94 Resp: 21096

Ion Ratio Lower Upper

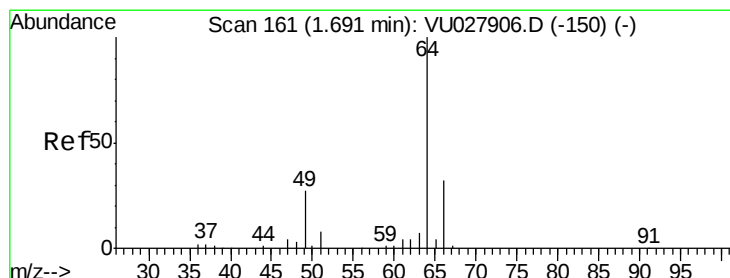
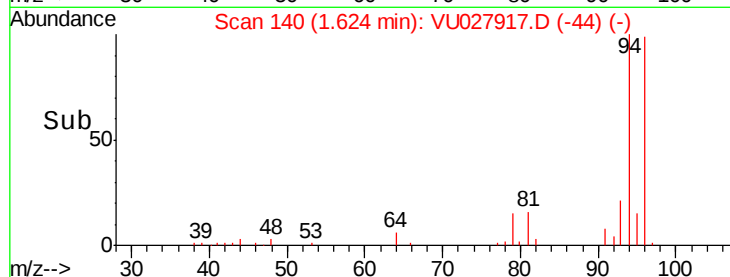
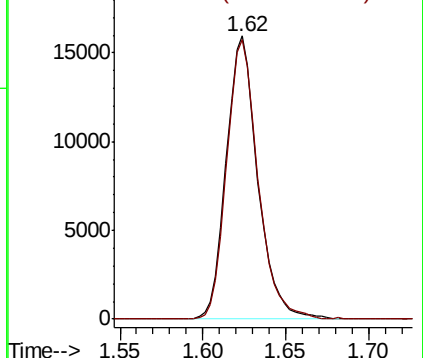
94 100

96 98.6 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 19.625 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.01 min

Lab File: VU027917.D

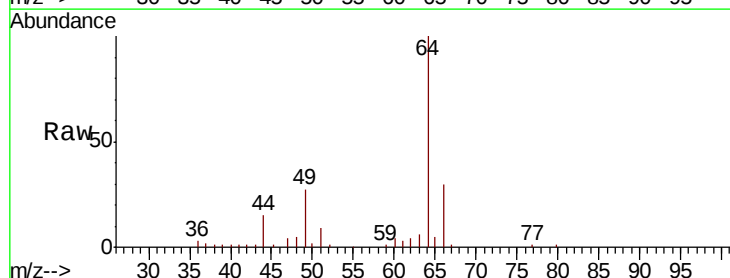
Acq: 02 Nov 2018 11:43

Tgt Ion: 64 Resp: 27888

Ion Ratio Lower Upper

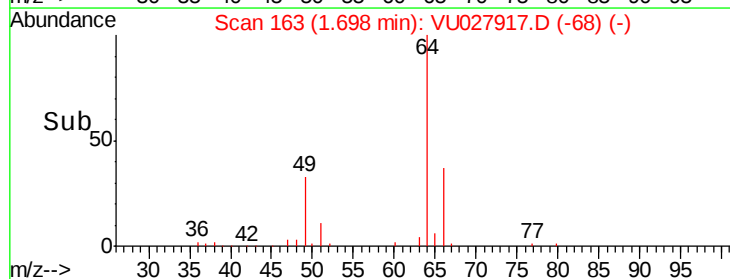
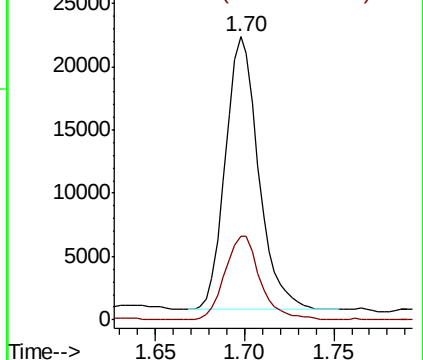
64 100

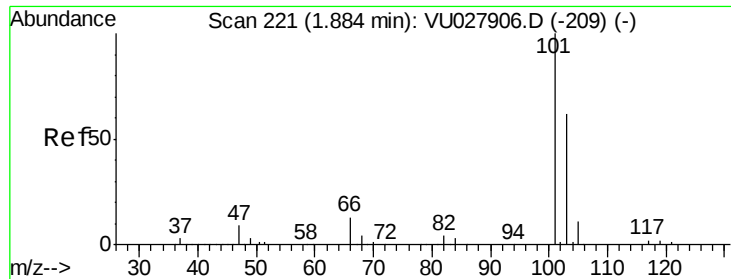
66 30.9 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



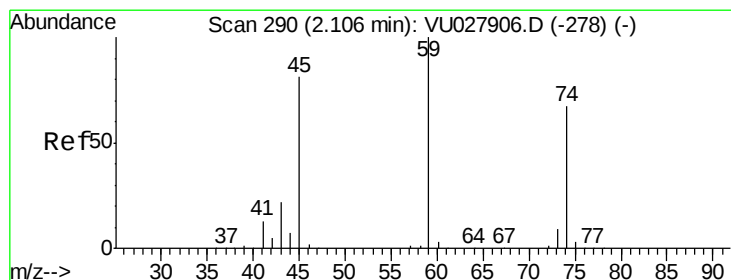
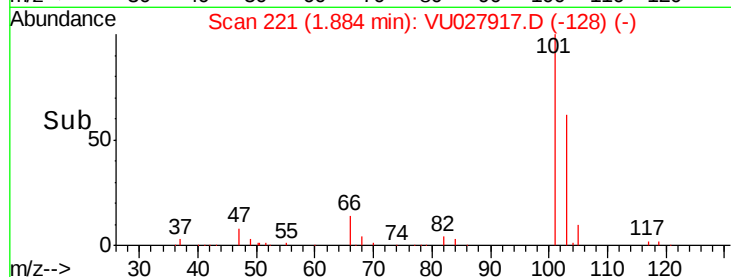
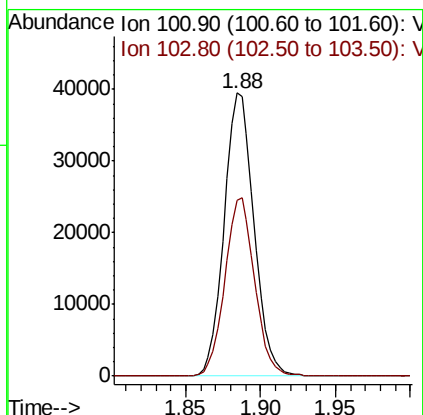
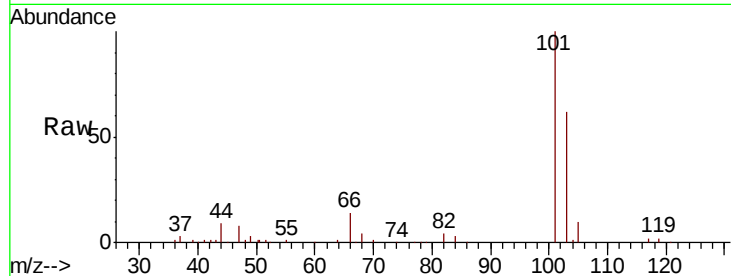


#7

Trichlorofluoromethane
 Concen: 19.269 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Instrument :
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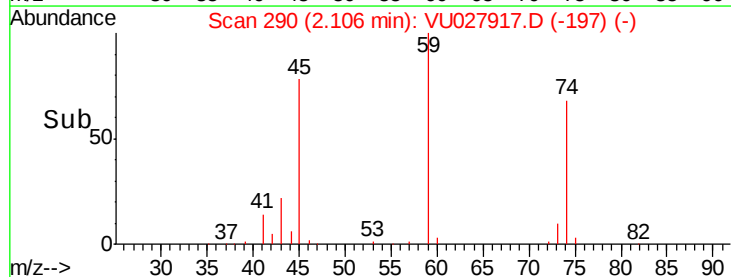
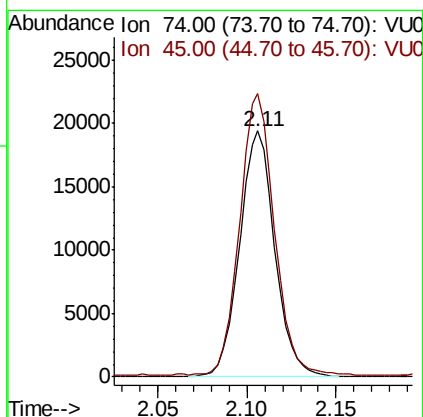
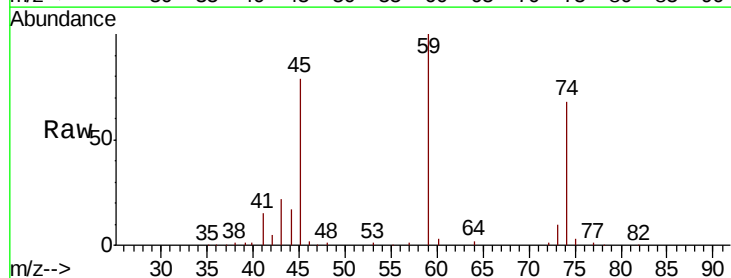
Tot Ion:101 Resp: 54909
 Ion Ratio Lower Upper
 101 100
 103 62.3 49.4 74.2

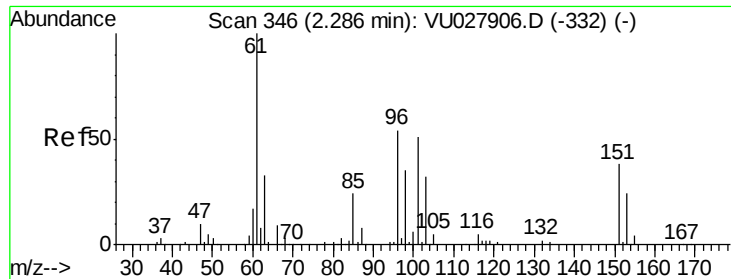


#8

Diethyl Ether
 Concen: 21.933 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Tgt Ion: 74 Resp: 26761
 Ion Ratio Lower Upper
 74 100
 45 112.6 60.5 181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.336 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

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MSVOA_U

ClientSampleId :

VU1102WBSD01

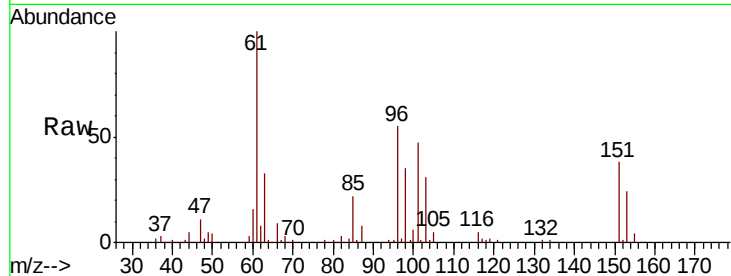
Tot Ion:101 Resp: 32732

Ion Ratio Lower Upper

101 100

85 46.1 36.9 55.3

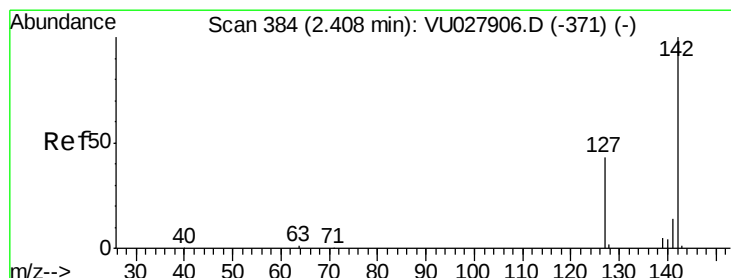
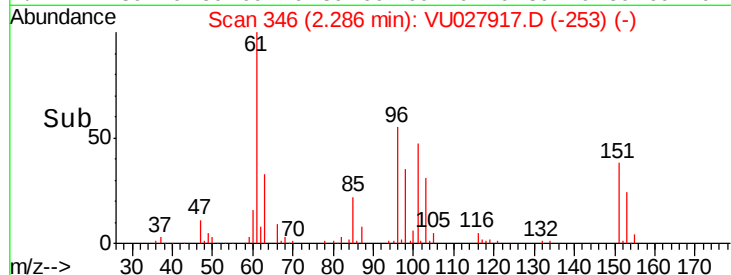
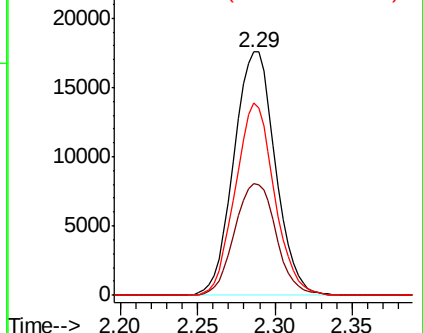
151 74.6 58.0 87.0



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: 19.153 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

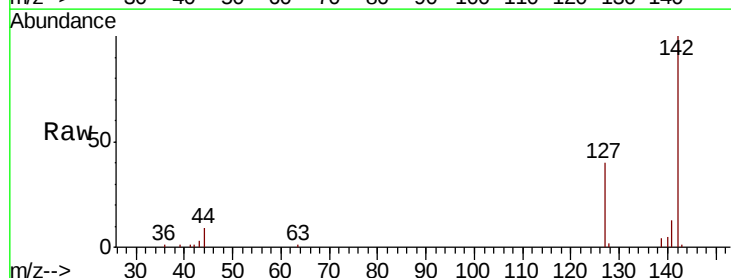
Tgt Ion:142 Resp: 20966

Ion Ratio Lower Upper

142 100

127 42.1 35.2 52.8

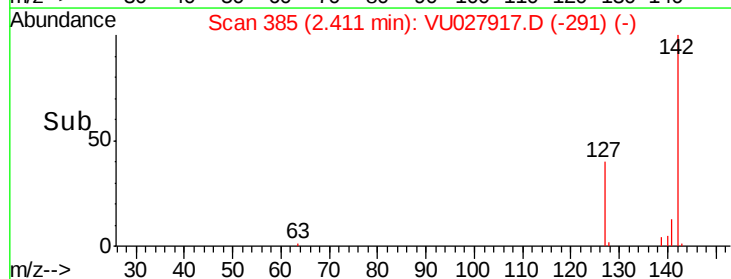
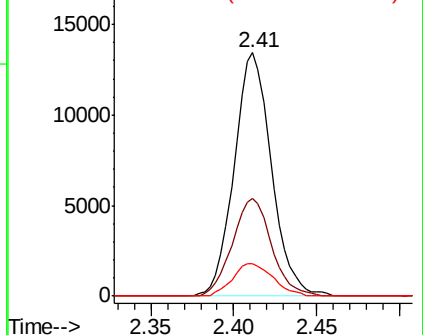
141 14.4 11.8 17.8

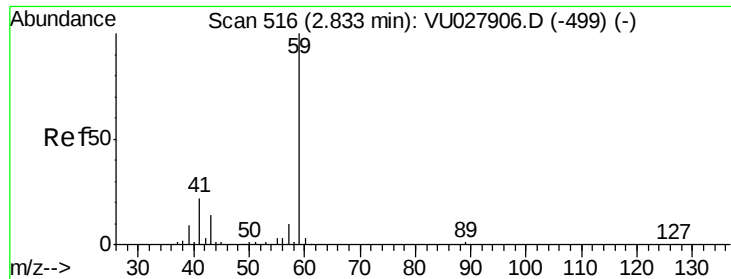


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

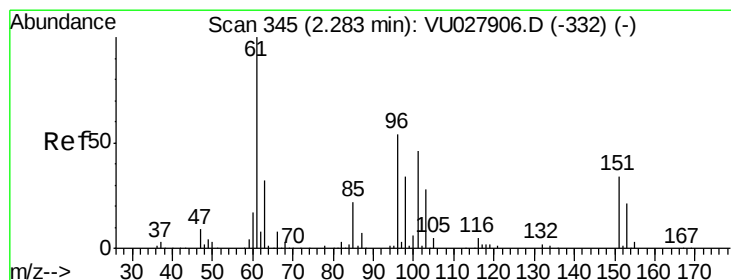
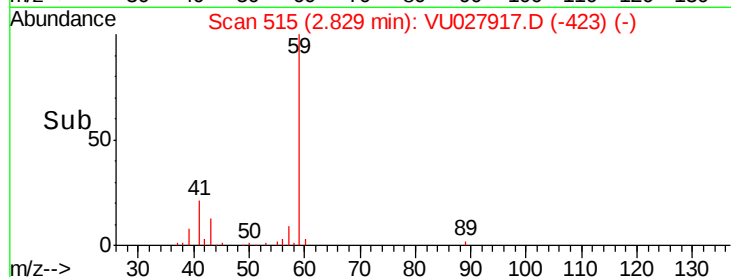
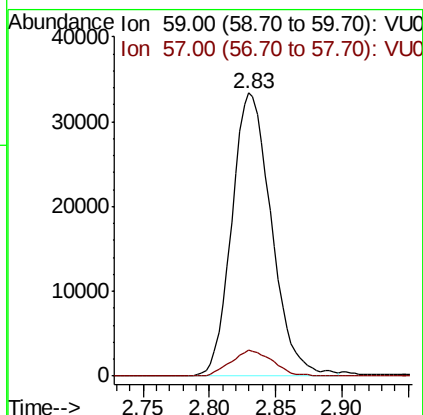
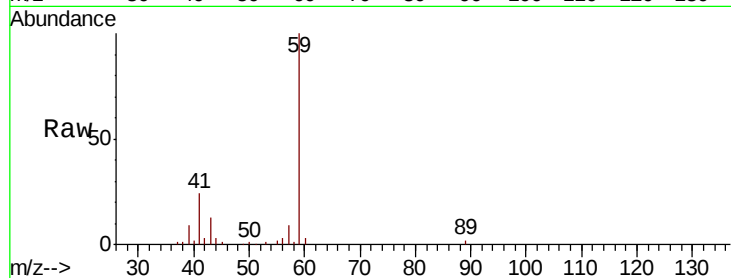




#11
Tert butyl alcohol
Concen: 109.008 ug/l
RT: 2.83 min Scan# 515
Delta R.T. -0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

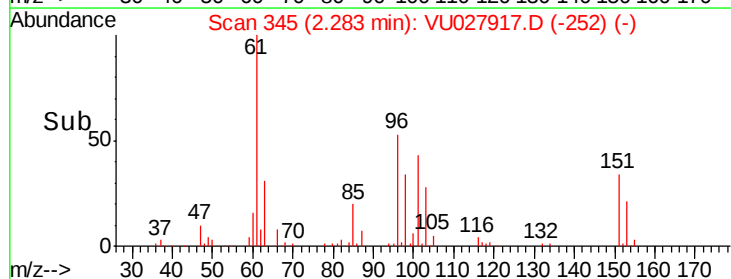
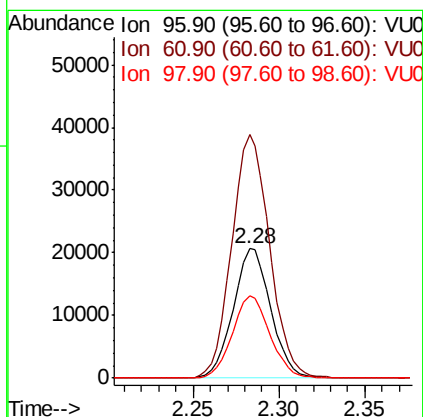
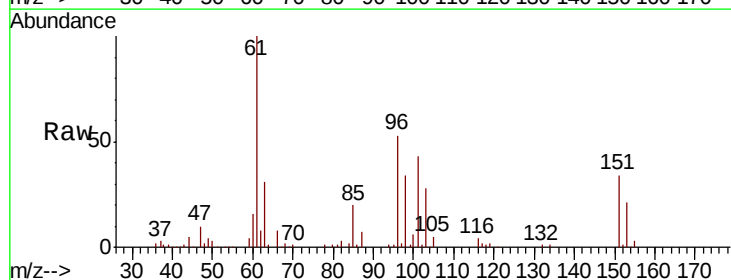
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

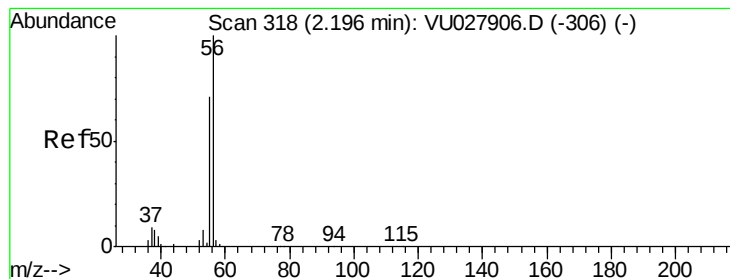
Tot Ion: 59 Resp: 69366
Ion Ratio Lower Upper
59 100
57 9.5 7.8 11.8



#12
1,1-Dichloroethene
Concen: 18.382 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion: 96 Resp: 31147
Ion Ratio Lower Upper
96 100
61 188.0 149.3 223.9
98 63.7 50.6 75.8





#13

Acrolein

Concen: 98.215 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

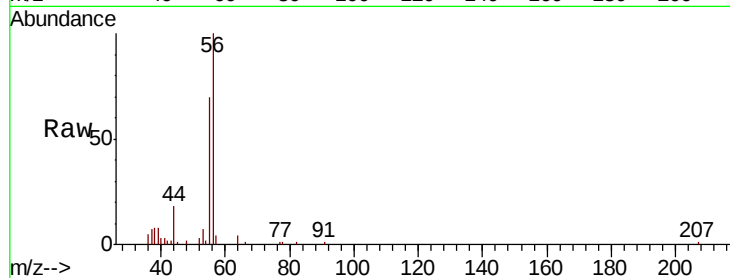
VU1102WBSD01

Tot Ion: 56 Resp: 23955

Ion Ratio Lower Upper

56 100

55 70.6 56.2 84.4



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.20

15000

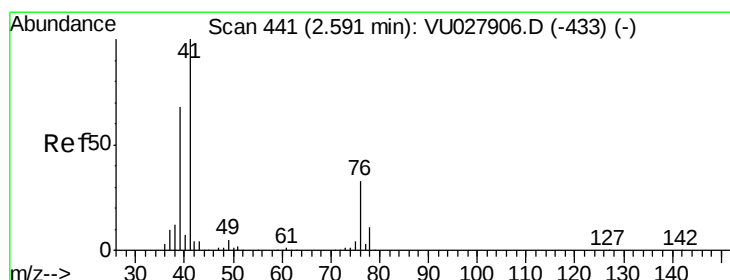
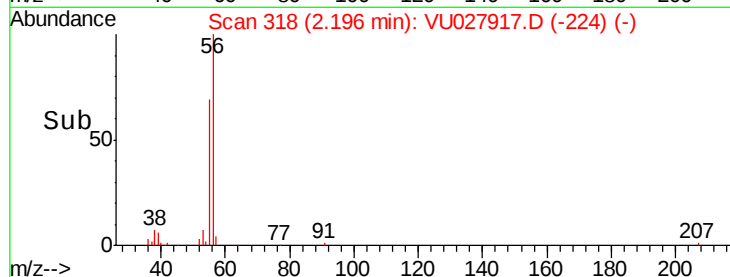
10000

5000

0

Time-->

2.15 2.20 2.25



#14

Allyl chloride

Concen: 19.330 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

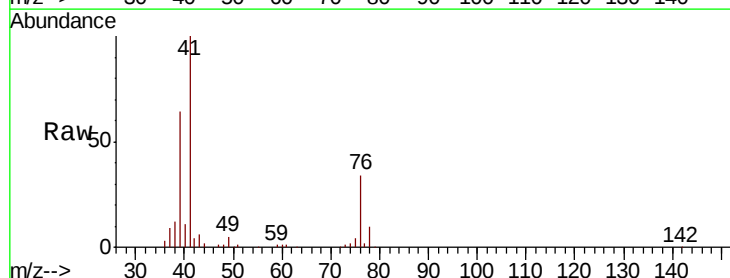
Tgt Ion: 41 Resp: 80050

Ion Ratio Lower Upper

41 100

39 64.0 51.9 77.9

76 31.5 23.8 35.6



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

60000

50000

40000

30000

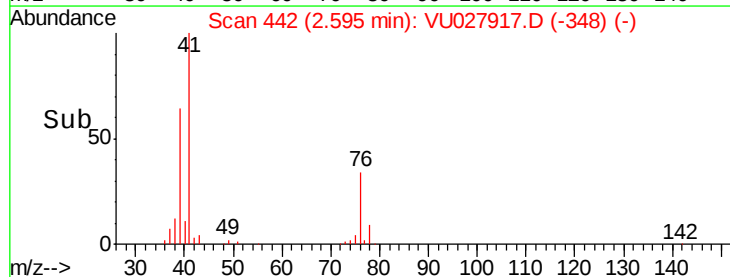
20000

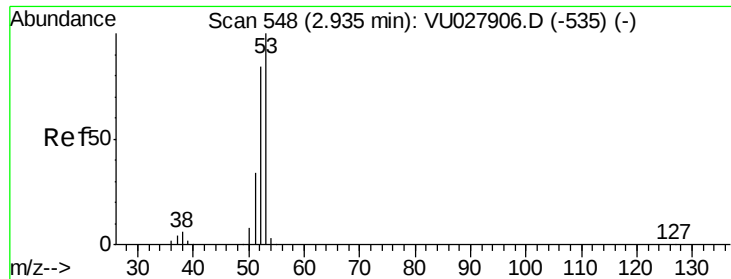
10000

0

Time-->

2.55 2.60 2.65 2.70





#15

Acrylonitrile

Concen: 108.327 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBSD01

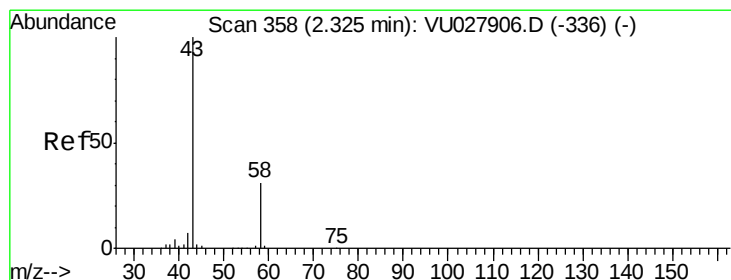
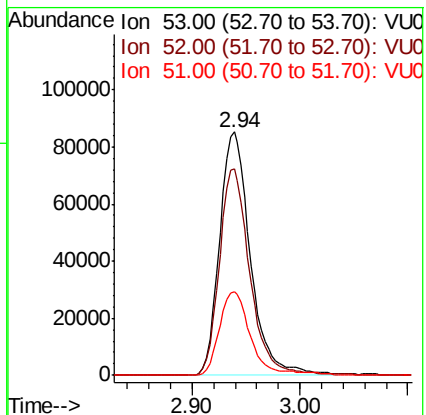
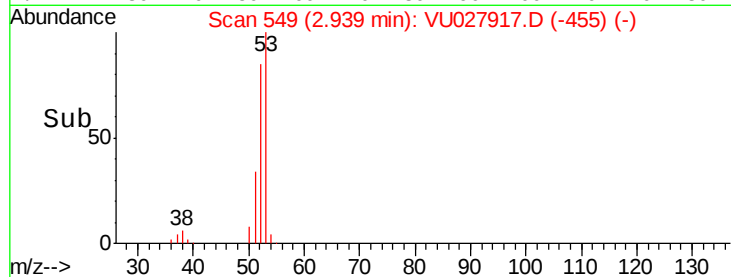
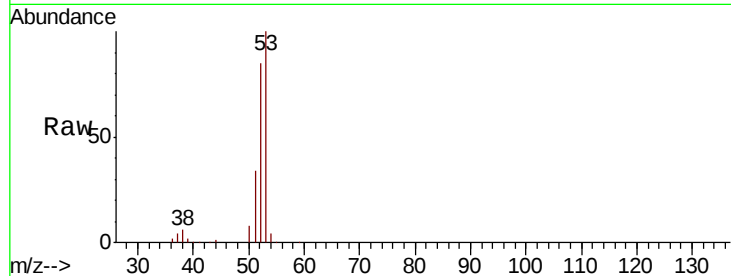
Tot Ion: 53 Resp: 169327

Ion Ratio Lower Upper

53 100

52 84.3 66.2 99.2

51 35.2 27.0 40.4



#16

Acetone

Concen: 101.830 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027917.D

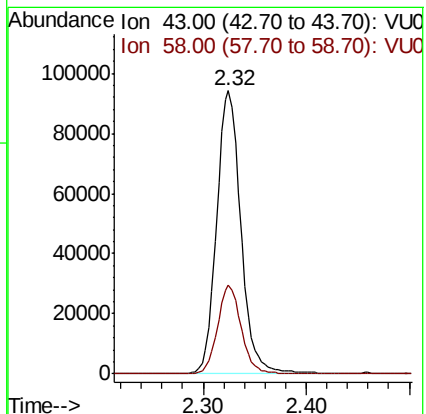
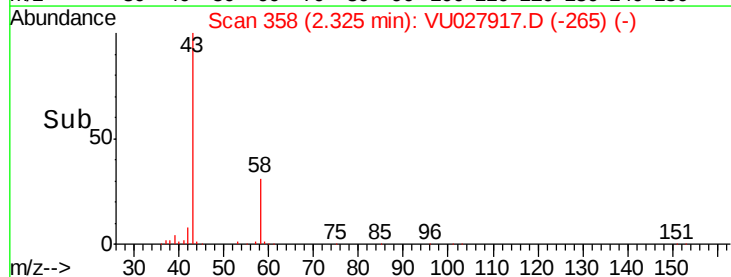
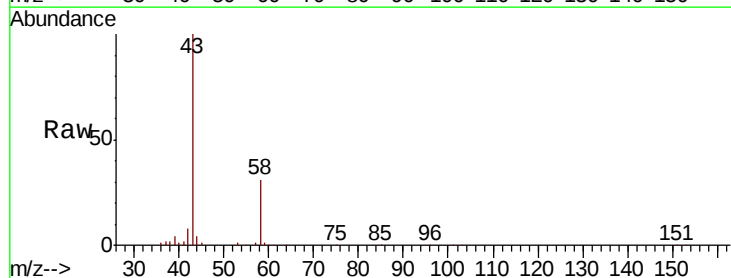
Acq: 02 Nov 2018 11:43

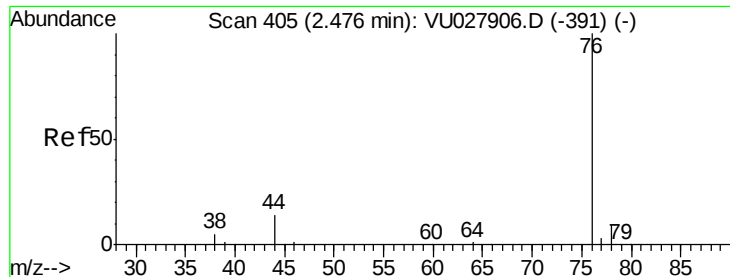
Tgt Ion: 43 Resp: 151864

Ion Ratio Lower Upper

43 100

58 31.2 24.6 37.0





#17

Carbon Disulfide

Concen: 19.003 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

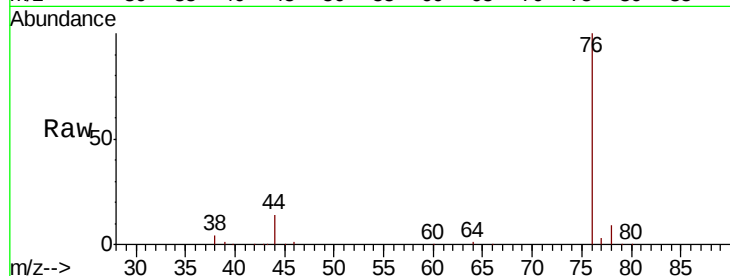
VU1102WBSD01

Tot Ion: 76 Resp: 105249

Ion Ratio Lower Upper

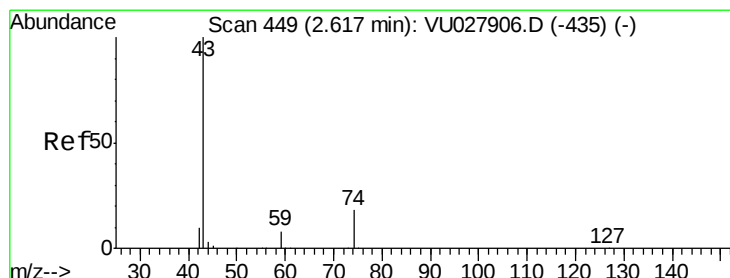
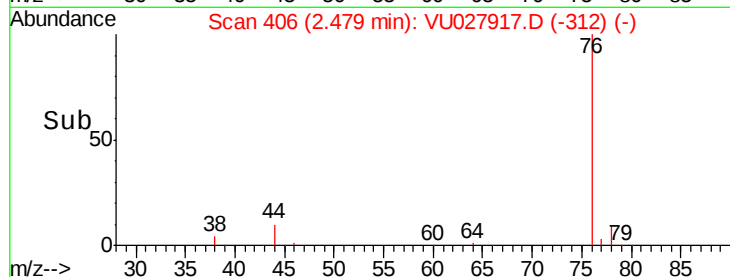
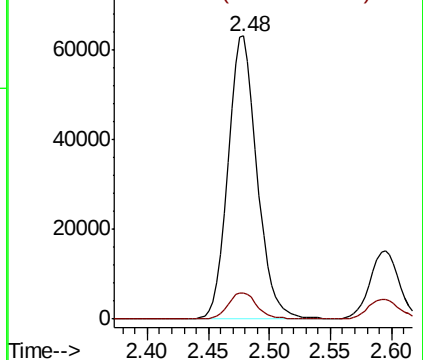
76 100

78 9.1 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 20.962 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU027917.D

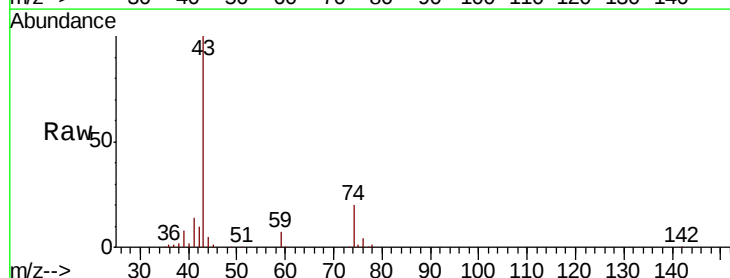
Acq: 02 Nov 2018 11:43

Tgt Ion: 43 Resp: 85995

Ion Ratio Lower Upper

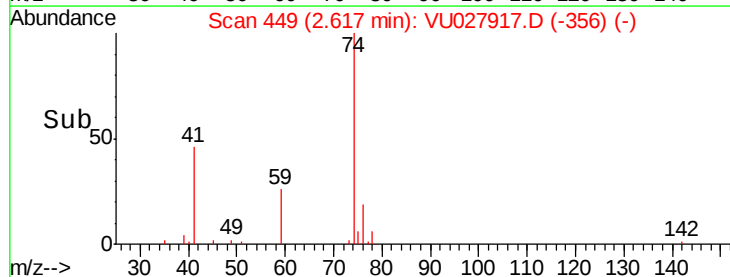
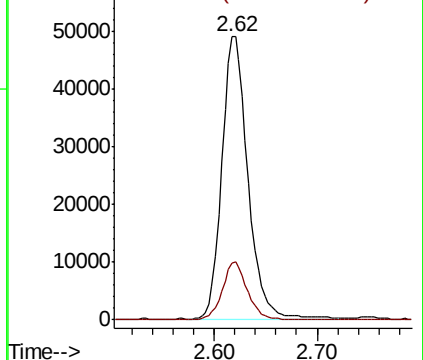
43 100

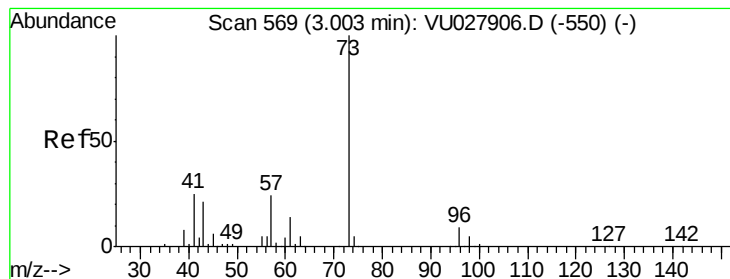
74 19.6 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



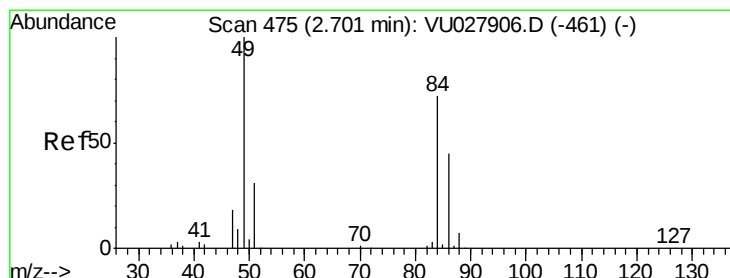
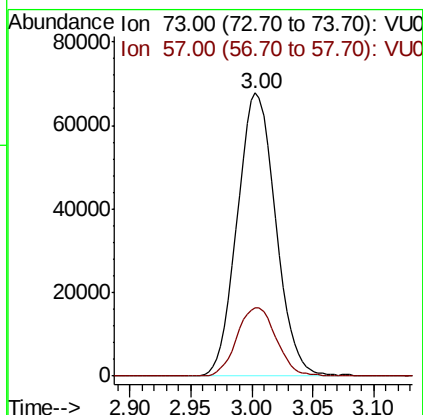
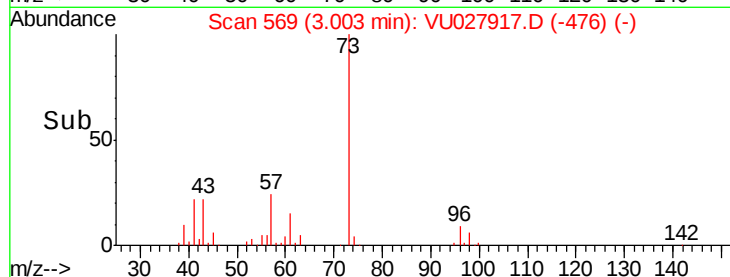
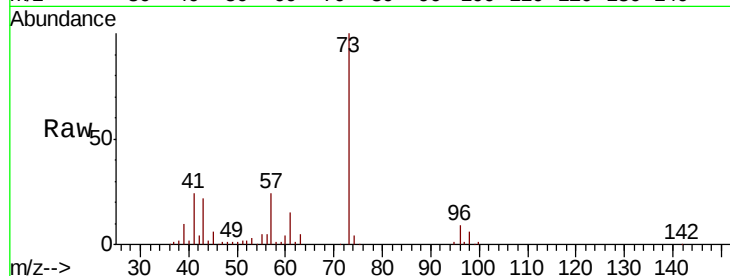


#19

Methyl tert-butyl Ether
 Concen: 21.639 ug/l
 RT: 3.00 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBSD01

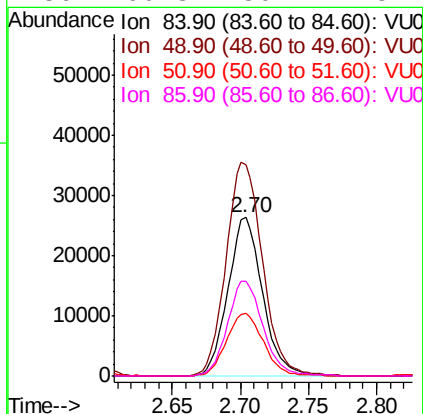
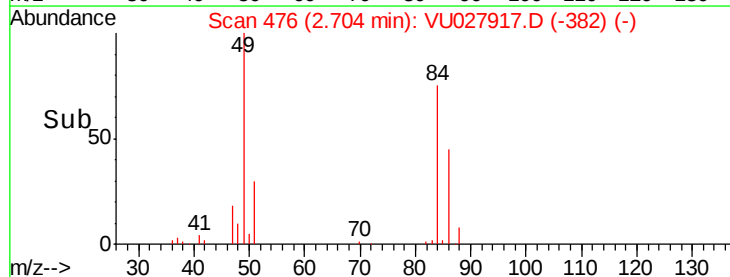
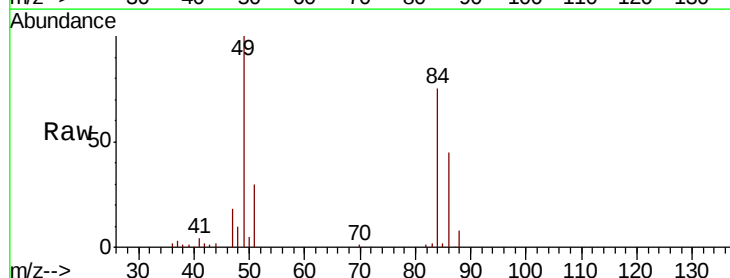
Tot Ion: 73 Resp: 147862
 Ion Ratio Lower Upper
 73 100
 57 24.2 19.3 28.9

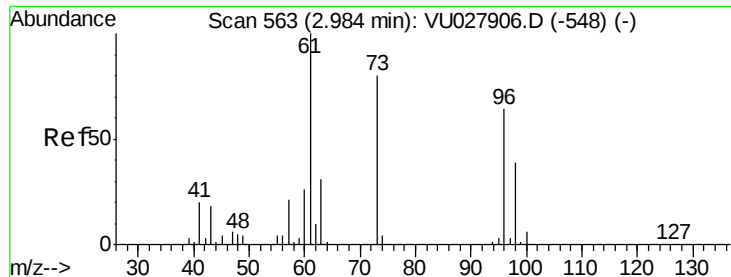


#20

Methylene Chloride
 Concen: 21.315 ug/l
 RT: 2.70 min Scan# 476
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Tgt Ion: 84 Resp: 46413
 Ion Ratio Lower Upper
 84 100
 49 133.0 111.6 167.4
 51 39.5 34.8 52.2
 86 60.3 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 19.401 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBSD01

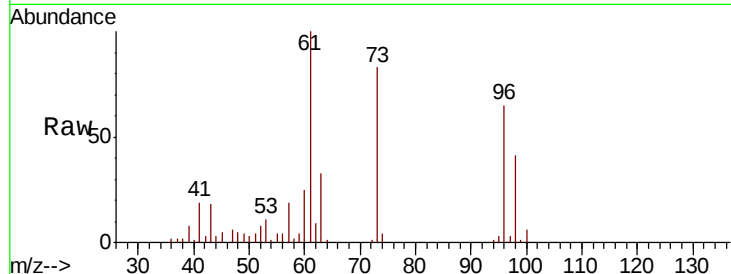
Tot Ion: 96 Resp: 37937

Ion Ratio Lower Upper

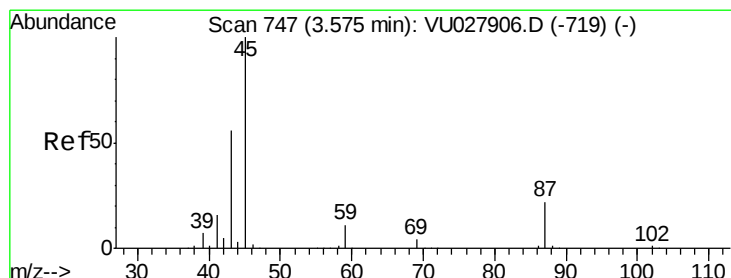
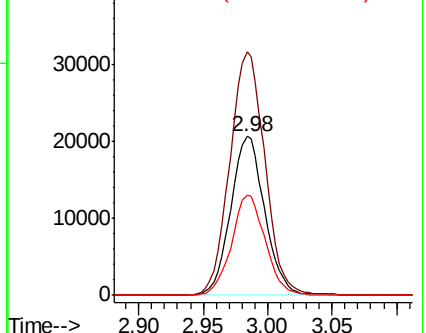
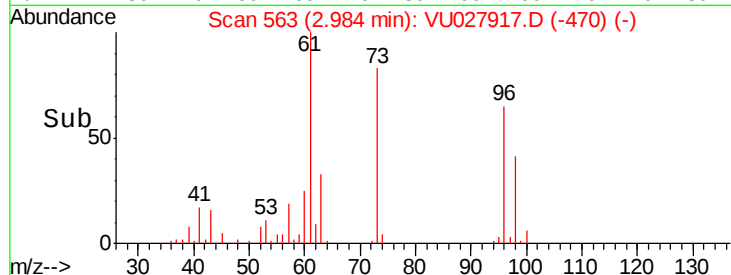
96 100

61 153.3 125.0 187.6

98 63.5 48.2 72.4



Abundance Ion 95.90 (95.60 to 96.60): VU027917.D (-470) (-)



#22

Diisopropyl ether

Concen: 21.173 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Tgt Ion: 45 Resp: 181023

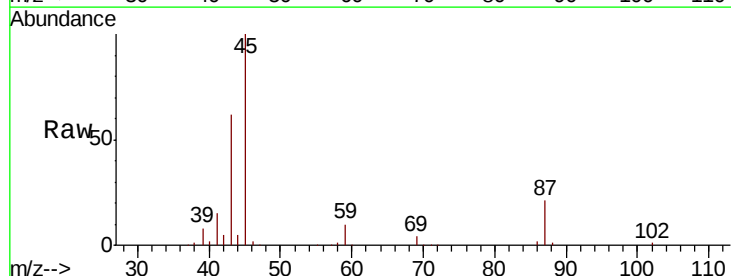
Ion Ratio Lower Upper

45 100

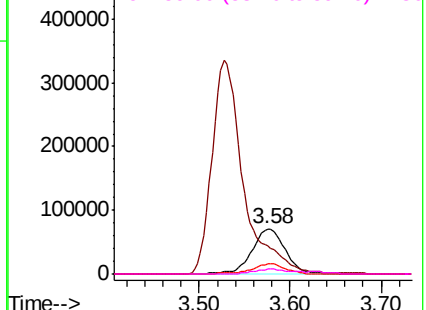
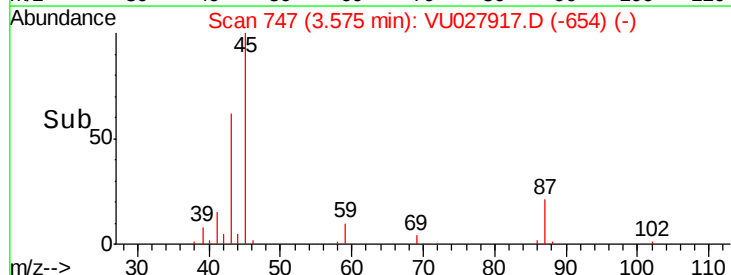
43 60.5 45.0 67.6

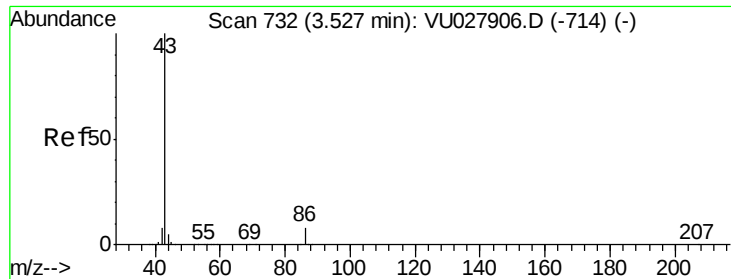
87 21.4 17.9 26.9

59 10.3 8.6 12.8



Abundance Ion 45.00 (44.70 to 45.70): VU027917.D (-654) (-)

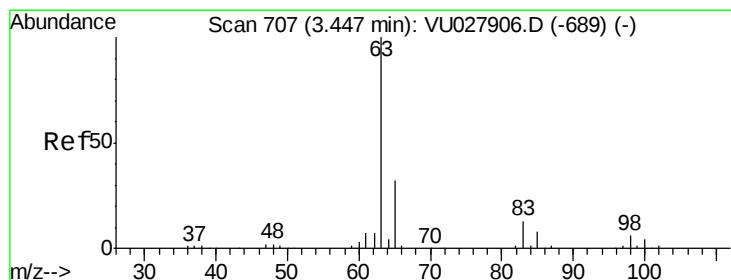
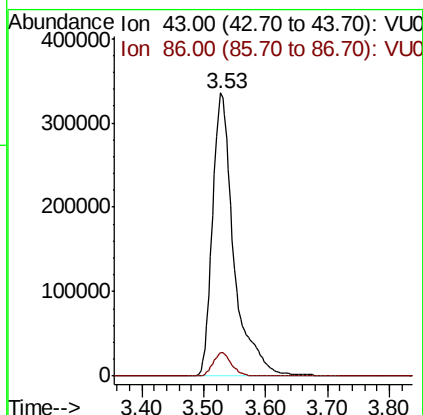
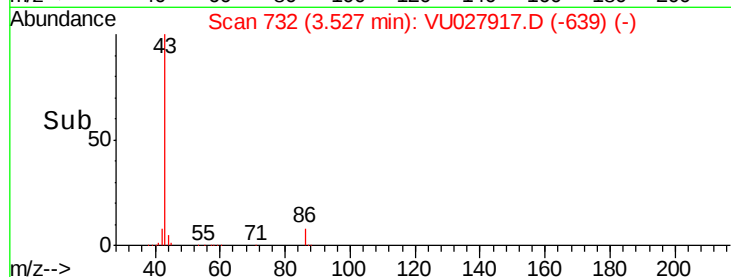
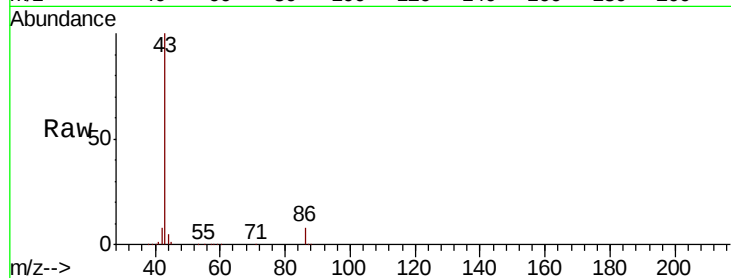




#23
 Vinyl Acetate
 Concen: 110.303 ug/l
 RT: 3.53 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

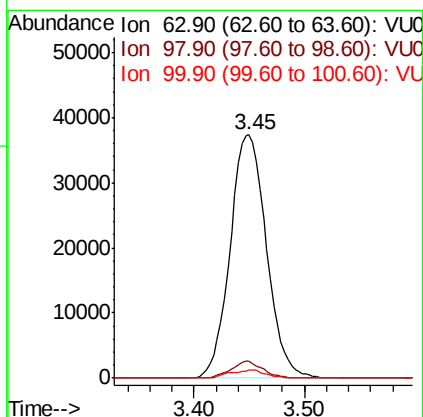
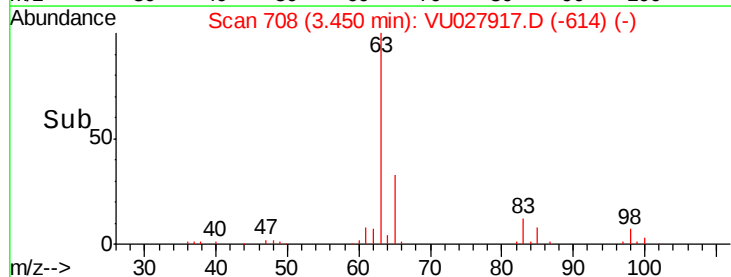
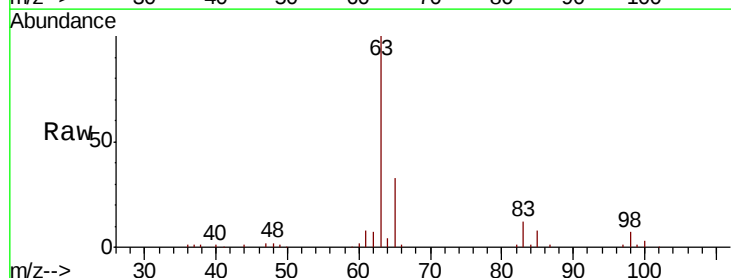
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBSD01

Tot Ion: 43 Resp: 810499
 Ion Ratio Lower Upper
 43 100
 86 8.3 6.6 9.8



#24
 1,1-Dichloroethane
 Concen: 20.014 ug/l
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Tgt Ion: 63 Resp: 85231
 Ion Ratio Lower Upper
 63 100
 98 6.9 2.9 8.6
 100 3.2 2.0 6.0





#25

2-Butanone

Concen: 106.086 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

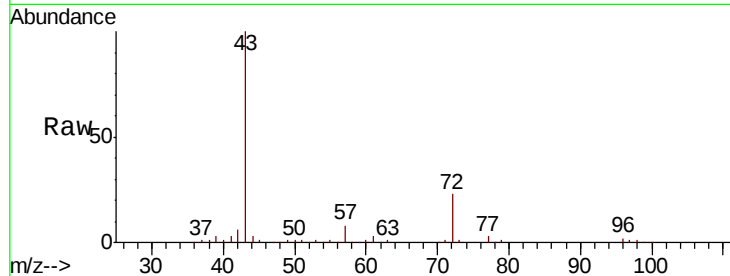
VU1102WBSD01

Tot Ion: 43 Resp: 251698

Ion Ratio Lower Upper

43 100

72 22.9 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU027917.D (-868) (-)

Ion 72.00 (71.70 to 72.70): VU027917.D (-868) (-)

120000

100000

80000

60000

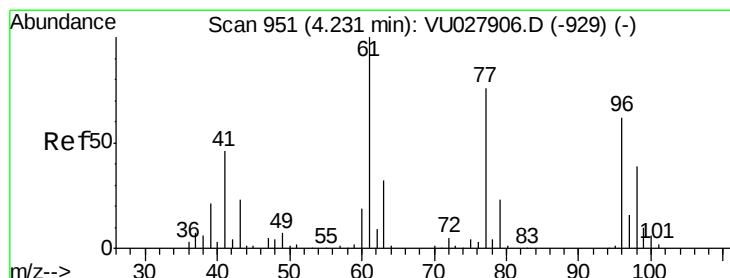
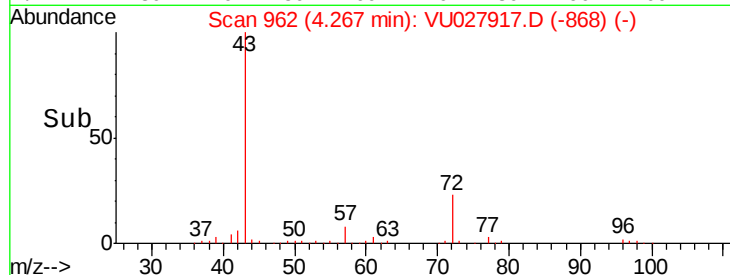
40000

20000

0

4.15 4.20 4.25 4.30 4.35

Time-->



#26

2,2-Dichloropropane

Concen: 18.515 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027917.D

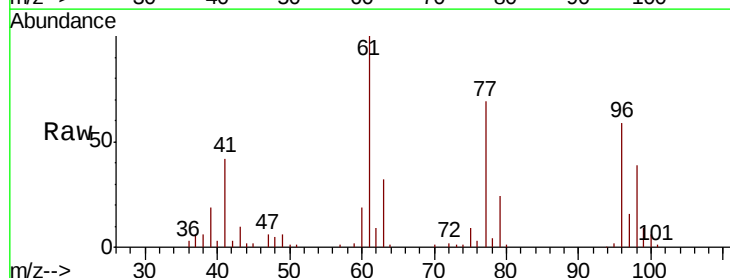
Acq: 02 Nov 2018 11:43

Tgt Ion: 77 Resp: 59173

Ion Ratio Lower Upper

77 100

97 22.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU027917.D (-858) (-)

Ion 96.90 (96.60 to 97.60): VU027917.D (-858) (-)

25000

20000

15000

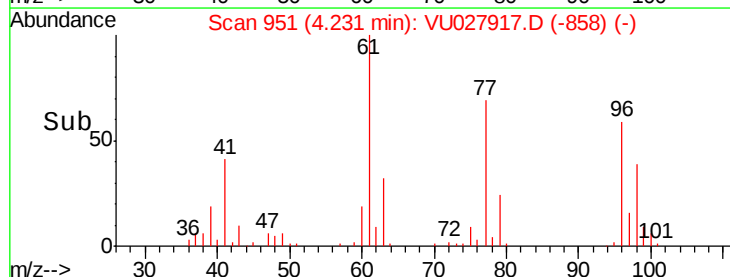
10000

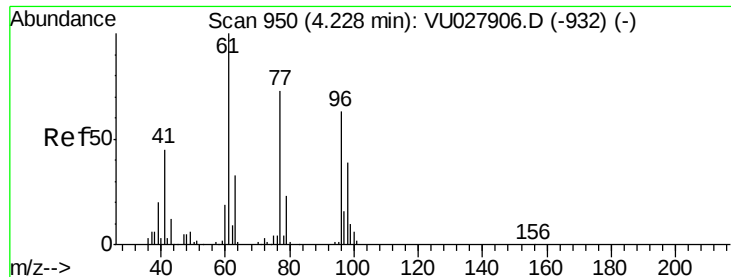
5000

0

4.10 4.20 4.30

Time-->



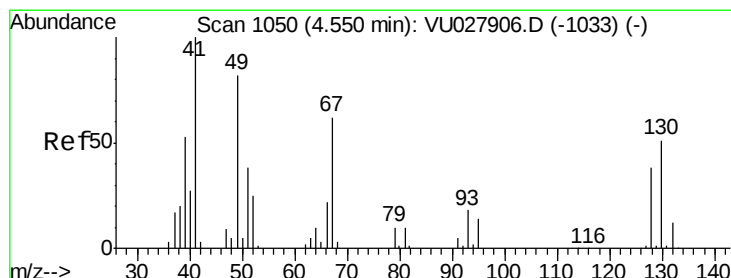
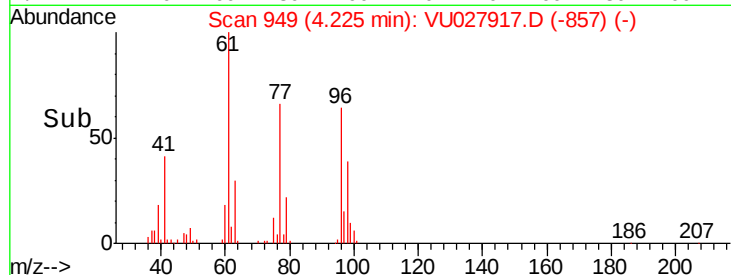
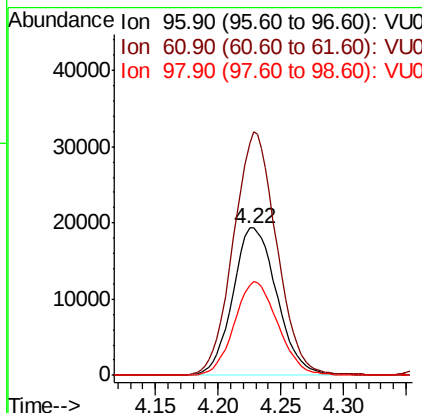
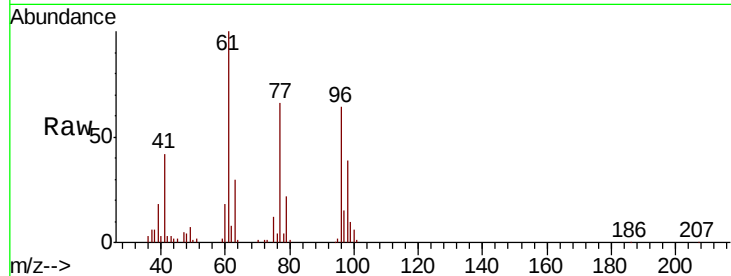


#27

cis-1,2-Dichloroethene
Concen: 21.535 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

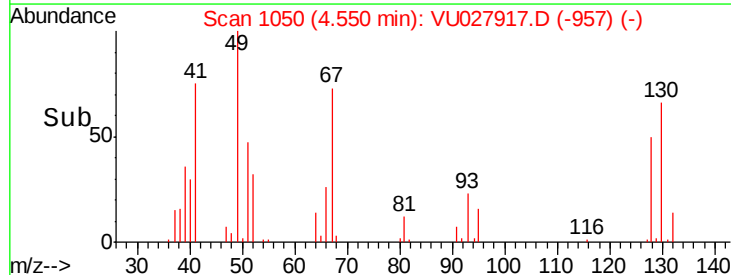
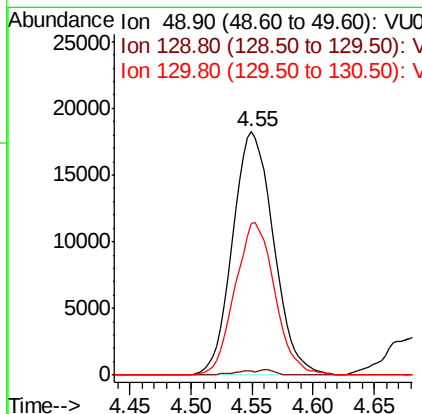
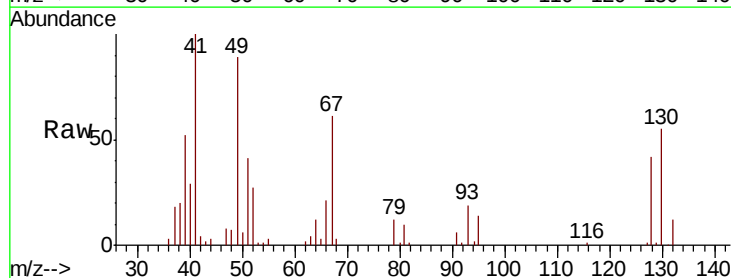
Tot Ion: 96 Resp: 47223
Ion Ratio Lower Upper
96 100
61 161.9 0.0 329.6
98 62.8 0.0 127.2

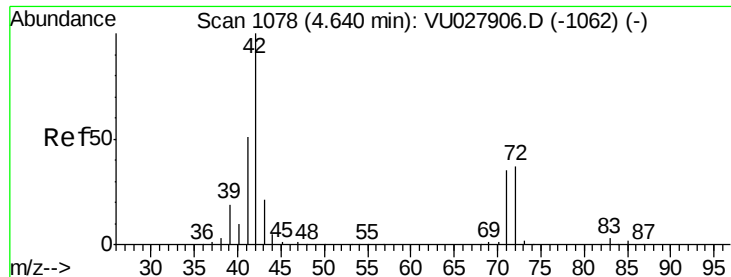


#28

Bromochloromethane
Concen: 21.297 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion: 49 Resp: 42518
Ion Ratio Lower Upper
49 100
129 1.0 0.0 3.0
130 60.9 47.8 71.6





#29

Tetrahydrofuran

Concen: 107.915 ug/l

RT: 4.64 min Scan# 1079

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBSD01

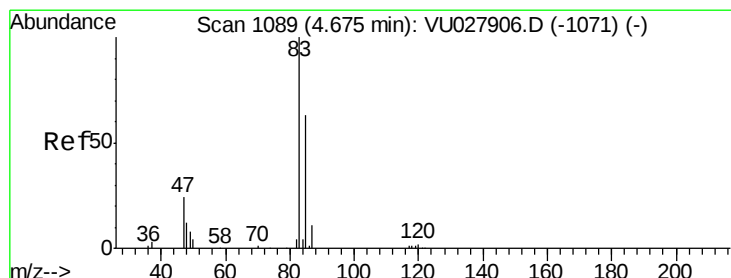
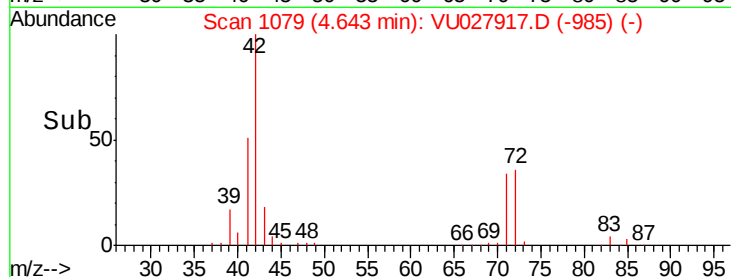
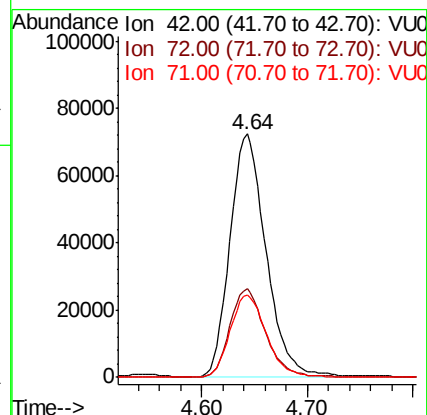
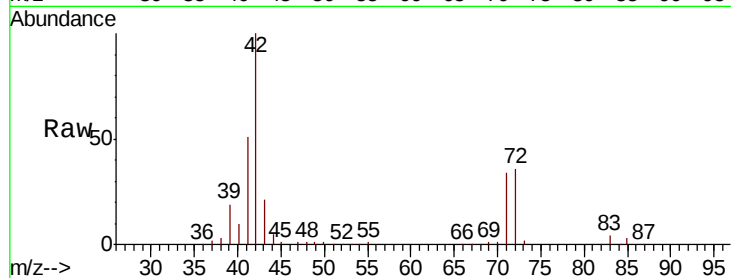
Tot Ion: 42 Resp: 170967

Ion Ratio Lower Upper

42 100

72 35.8 29.4 44.0

71 34.2 27.9 41.9



#30

Chloroform

Concen: 20.358 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU027917.D

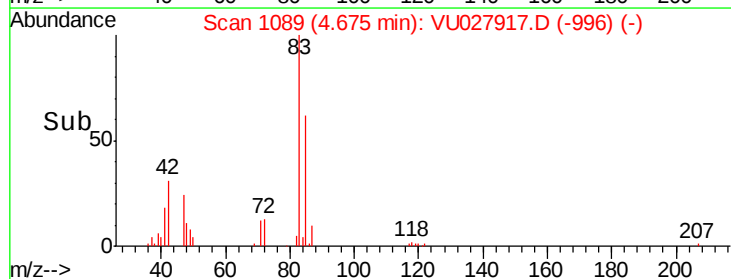
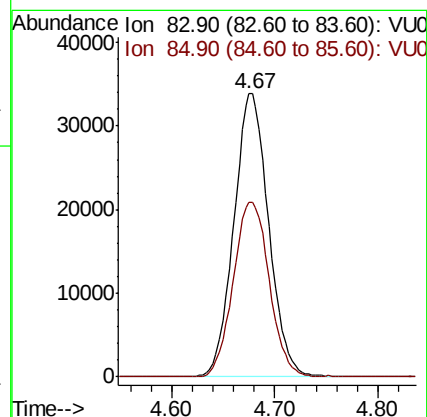
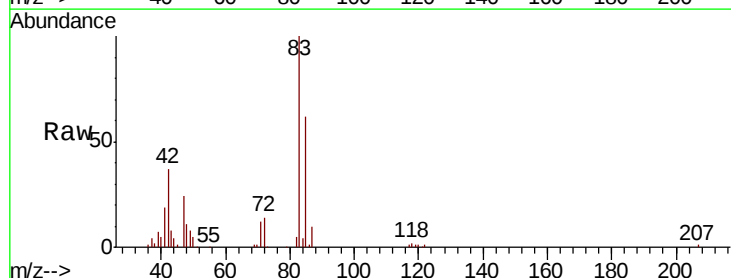
Acq: 02 Nov 2018 11:43

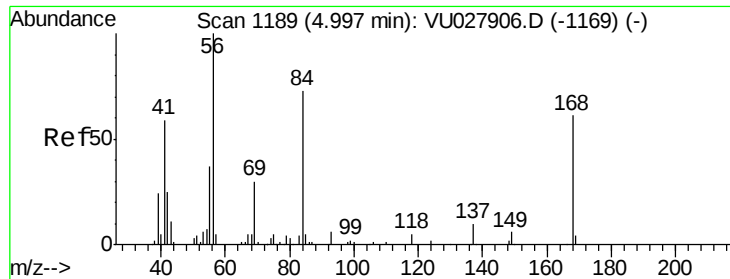
Tgt Ion: 83 Resp: 79492

Ion Ratio Lower Upper

83 100

85 61.8 50.6 76.0

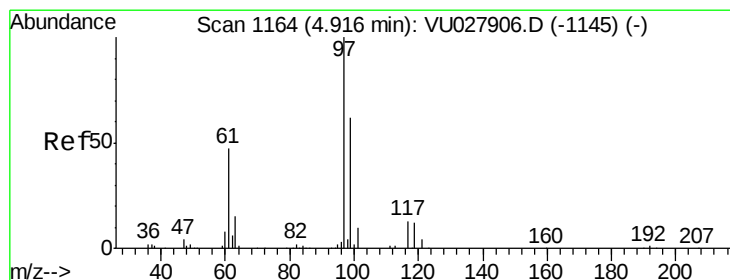
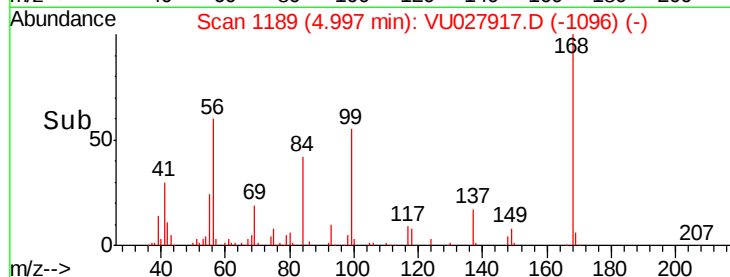
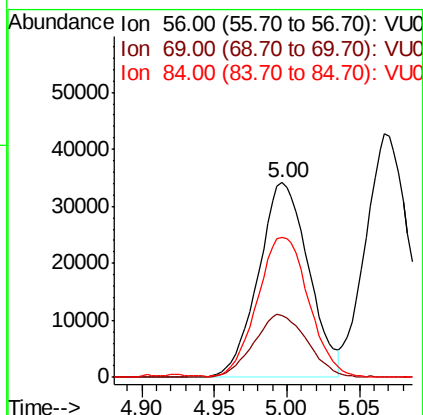
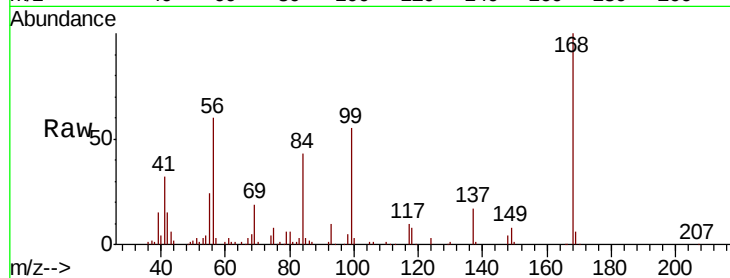




#31
Cyclohexane
Concen: 18.655 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

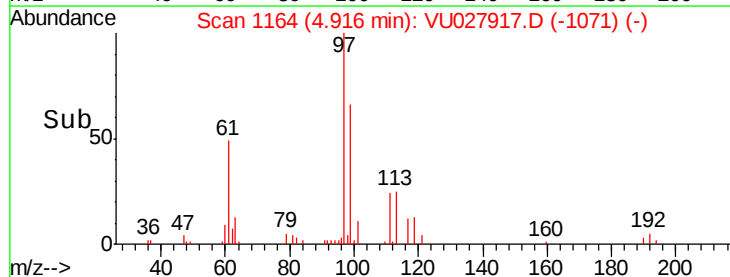
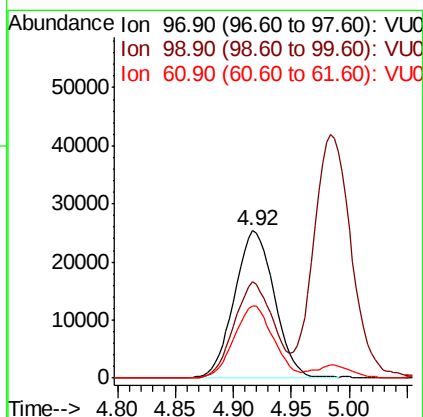
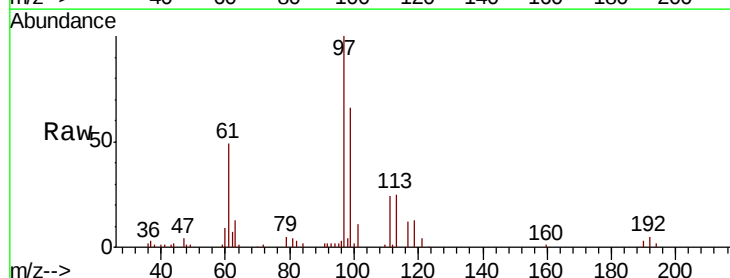
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

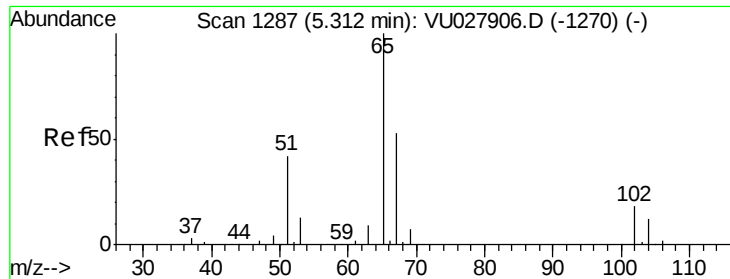
Tot Ion: 56 Resp: 82387
Ion Ratio Lower Upper
56 100
69 32.1 23.7 35.5
84 71.0 58.2 87.4



#32
1,1,1-Trichloroethane
Concen: 19.684 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion: 97 Resp: 61183
Ion Ratio Lower Upper
97 100
99 63.6 50.5 75.7
61 48.0 38.3 57.5

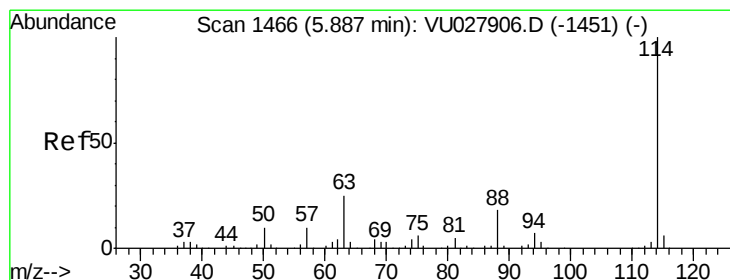
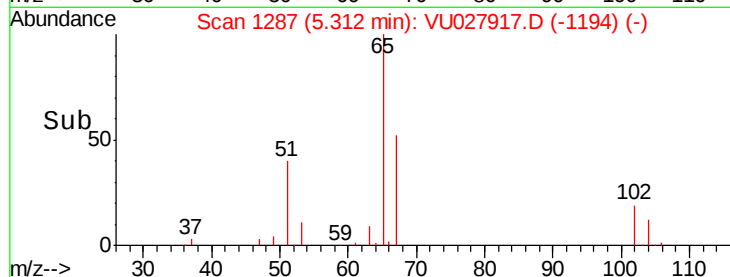
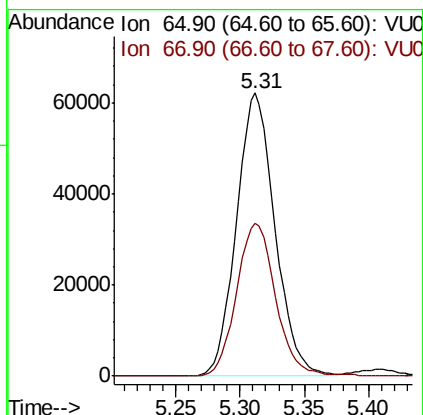
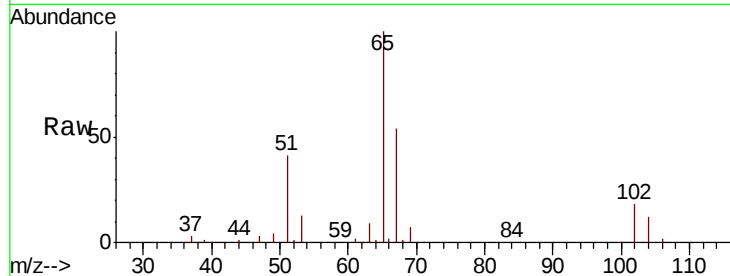




#33
 1,2-Dichloroethane-d4
 Concen: 53.691 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

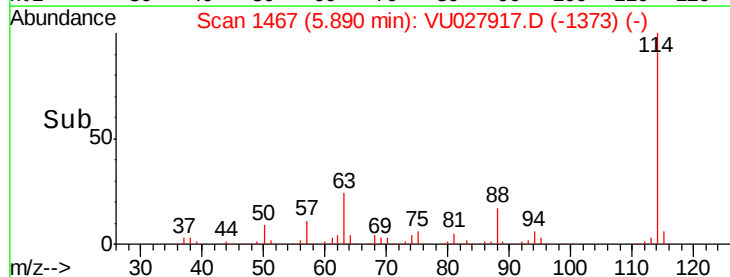
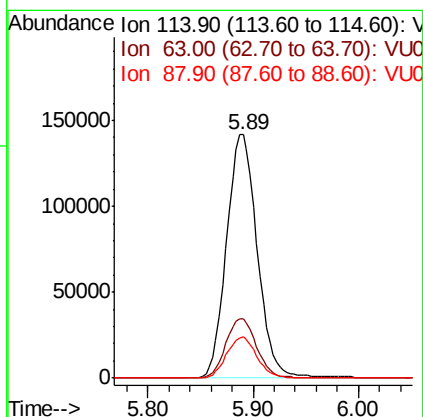
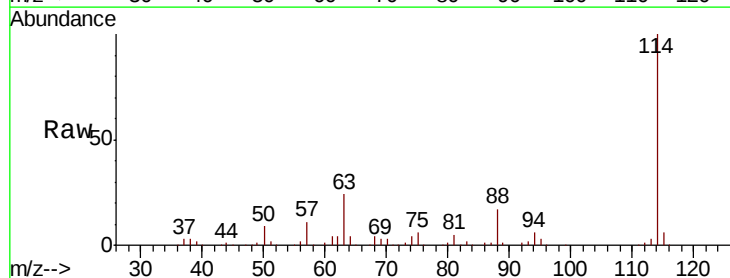
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBSD01

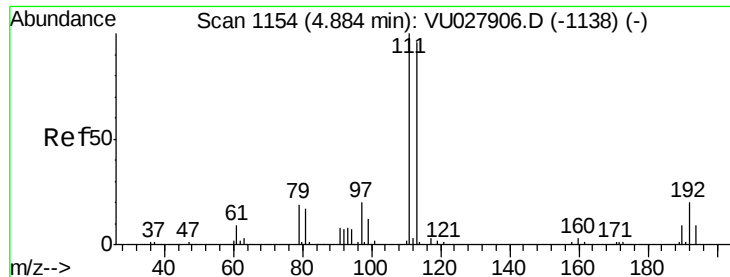
Tot Ion: 65 Resp: 129058
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Tgt Ion: 114 Resp: 285548
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 50.8
 88 16.7 0.0 35.8

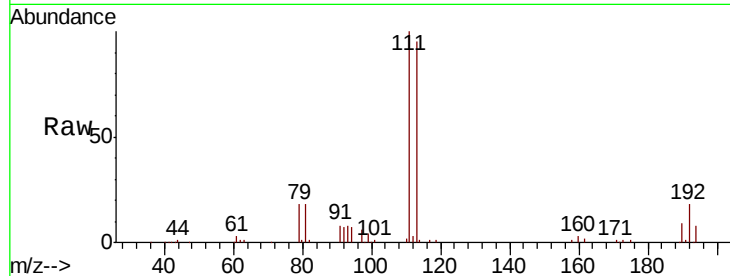




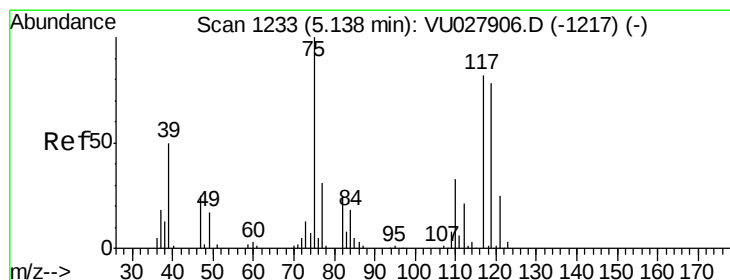
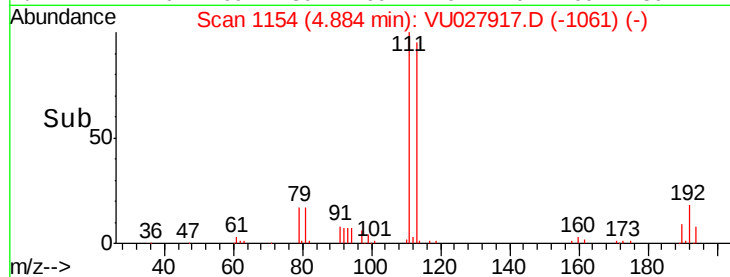
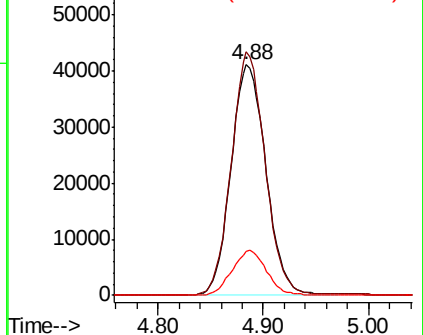
#35
 Dibromofluoromethane
 Concen: 52.627 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBSD01

Tot Ion:113 Resp: 94751
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.0 124.6
 192 19.1 15.6 23.4

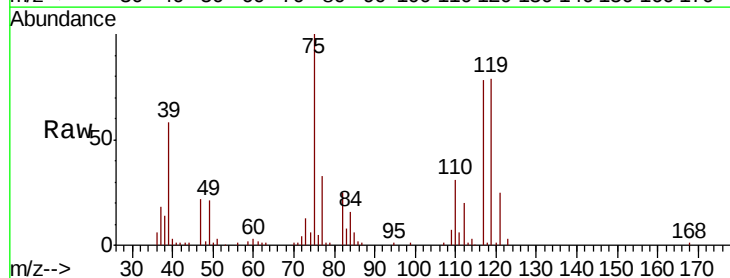


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

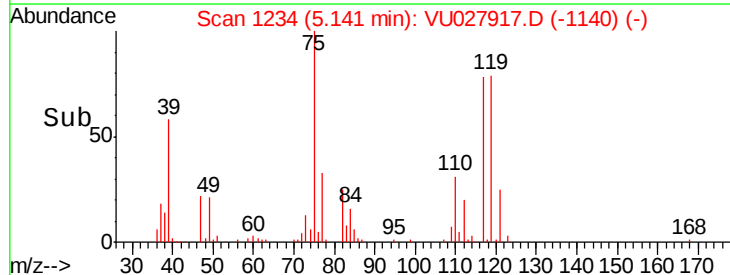
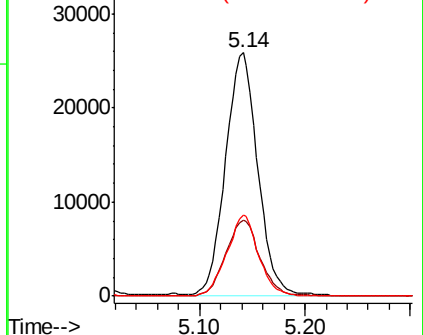


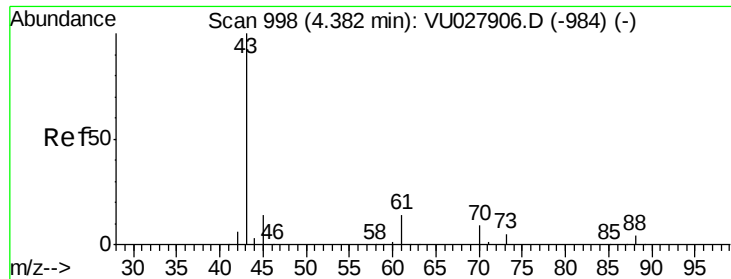
#36
 1,1-Dichloropropene
 Concen: 18.422 ug/l
 RT: 5.14 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Tgt Ion: 75 Resp: 55094
 Ion Ratio Lower Upper
 75 100
 110 32.8 16.5 49.5
 77 32.3 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

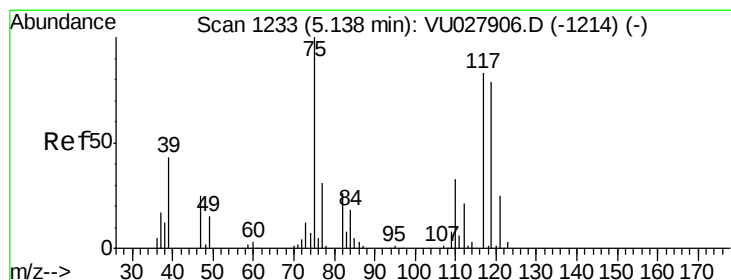
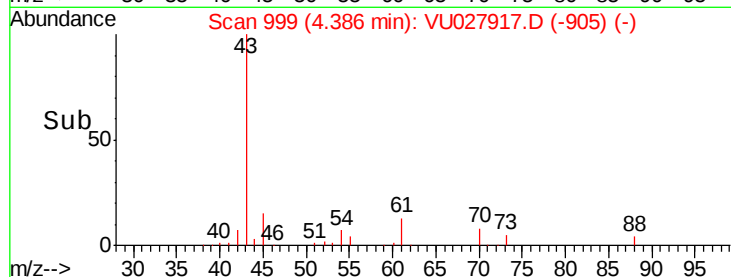
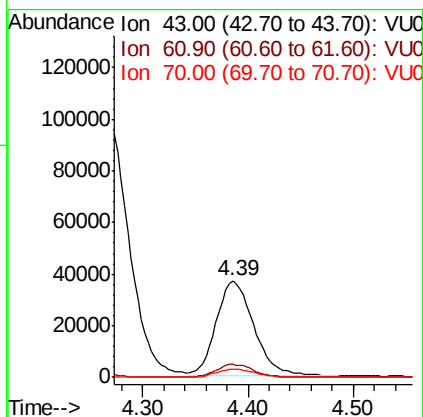
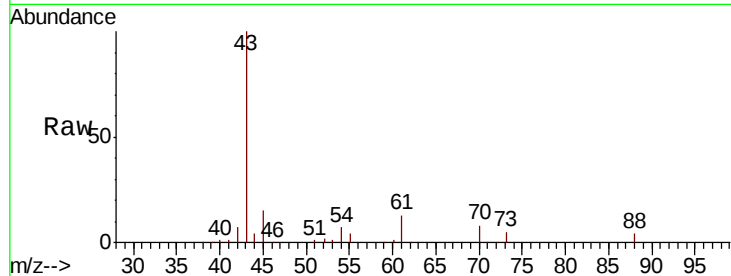




#37
Ethyl Acetate
Concen: 20.669 ug/l
RT: 4.39 min Scan# 999
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

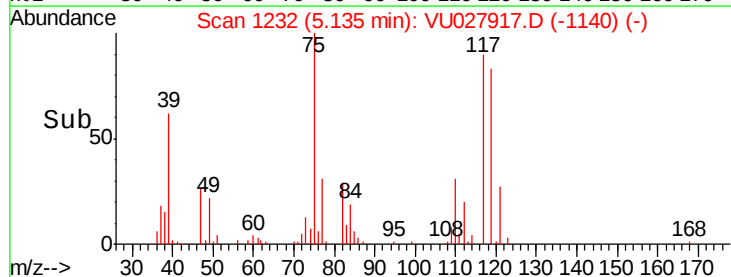
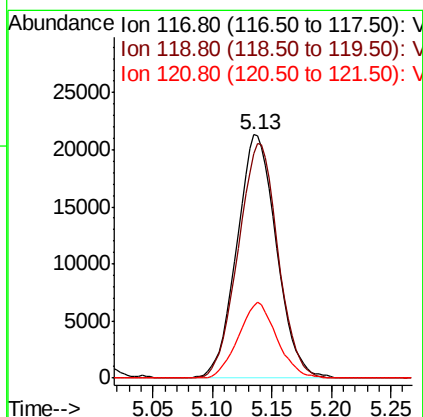
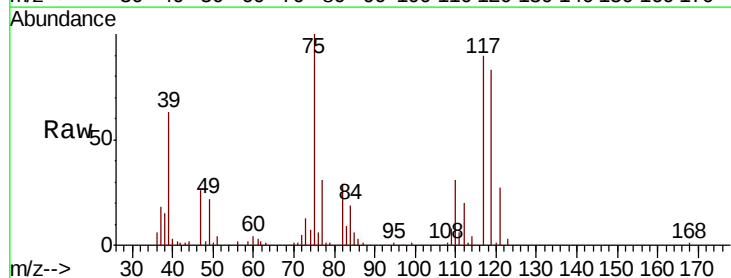
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

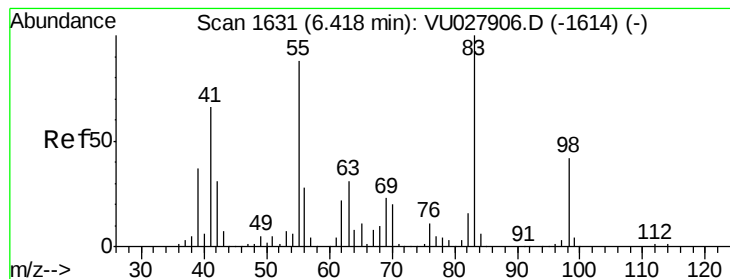
Tot Ion: 43 Resp: 90571
Ion Ratio Lower Upper
43 100
61 14.0 10.3 15.5
70 9.0 7.0 10.6



#38
Carbon Tetrachloride
Concen: 18.535 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion: 117 Resp: 49123
Ion Ratio Lower Upper
117 100
119 92.1 76.0 114.0
121 29.7 24.5 36.7

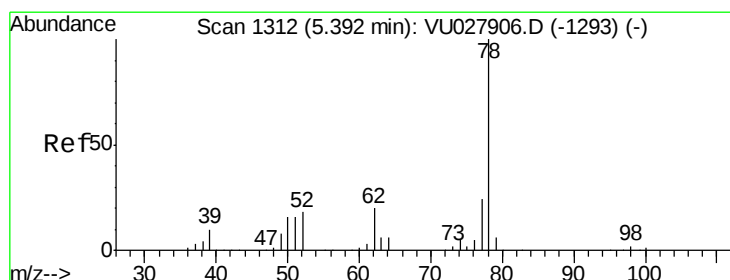
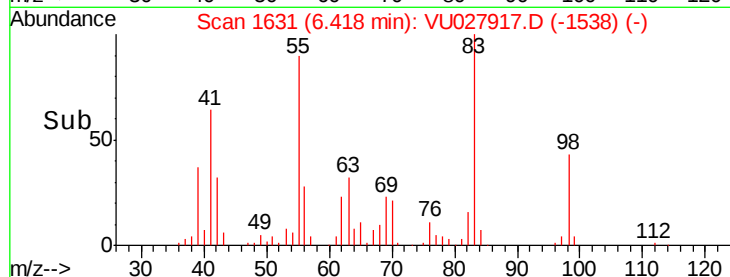
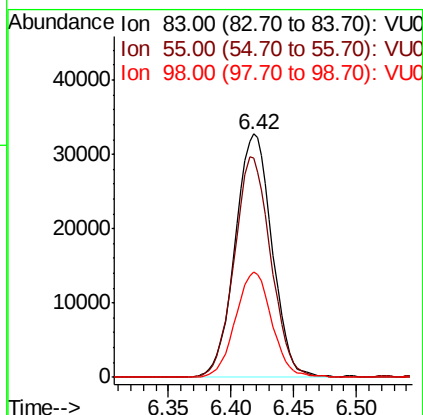
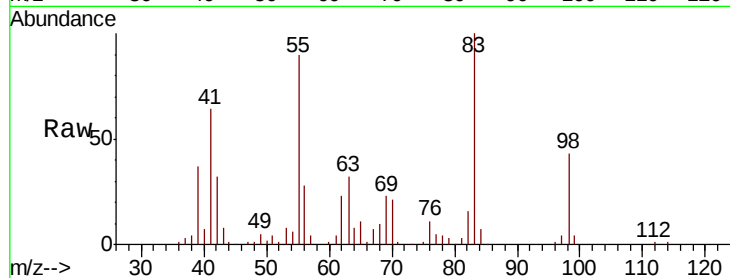




#39
Methvlcvclohexane
Concen: 18.601 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

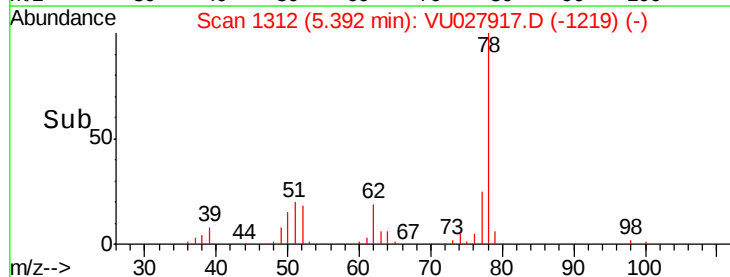
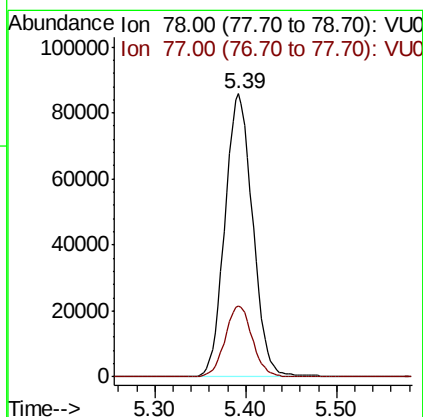
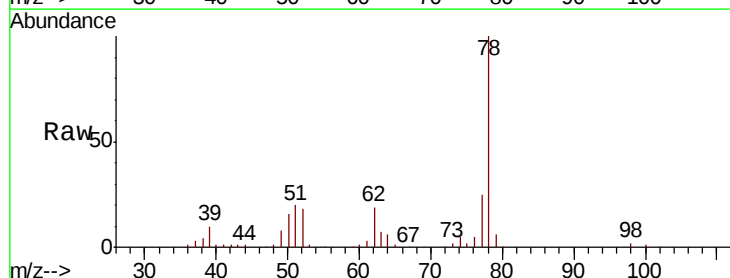
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

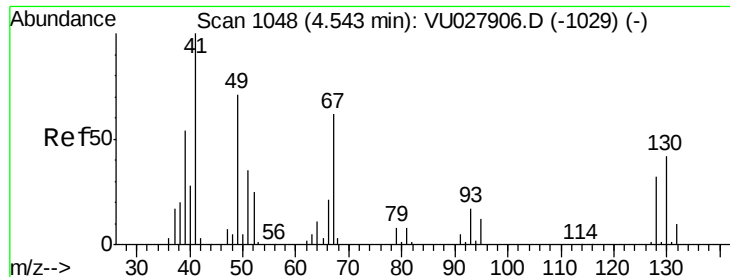
Tot Ion: 83 Resp: 67095
Ion Ratio Lower Upper
83 100
55 89.9 70.3 105.5
98 43.2 34.0 51.0



#40
Benzene
Concen: 19.965 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion: 78 Resp: 182550
Ion Ratio Lower Upper
78 100
77 24.9 19.3 28.9

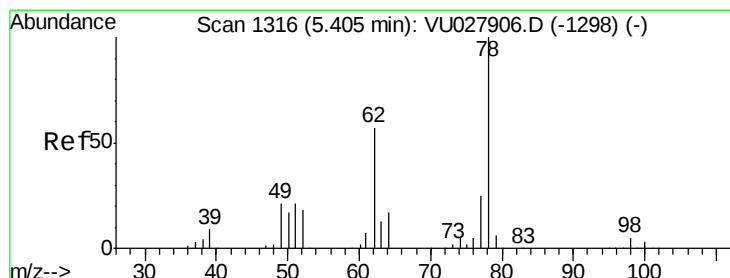
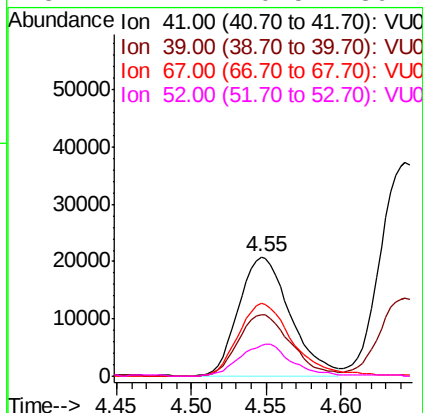
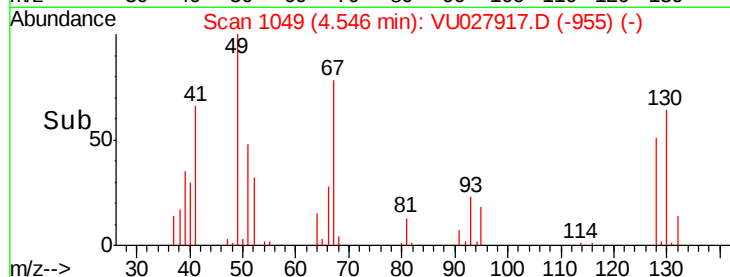
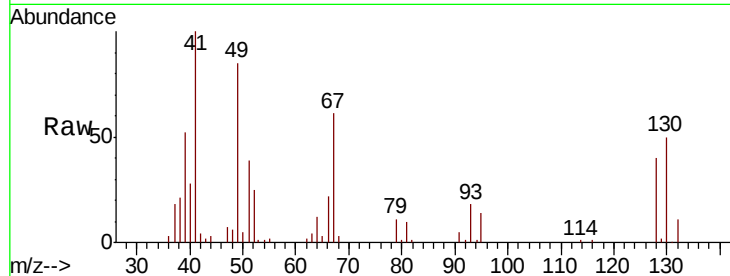




#41
Methacrylonitrile
Concen: 21.450 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

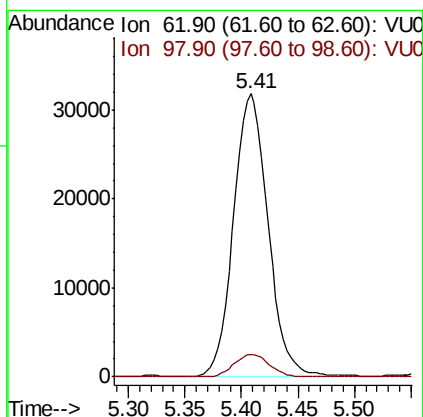
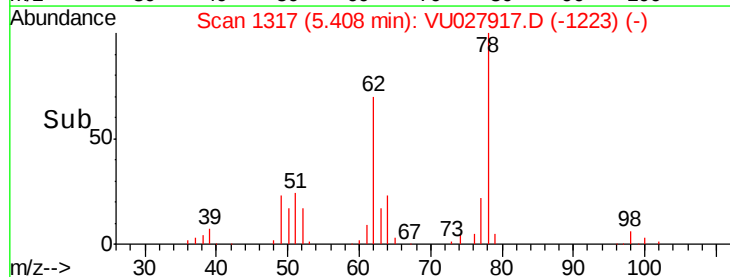
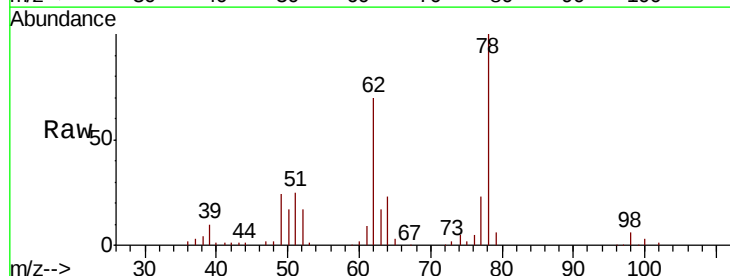
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

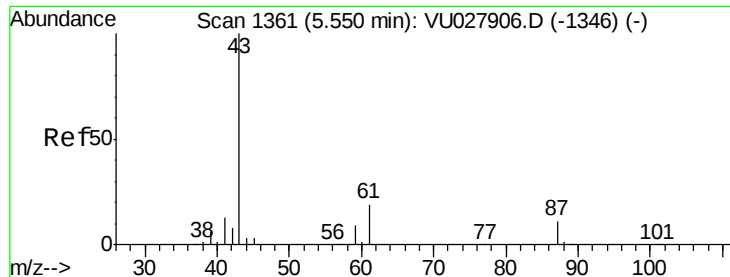
Tot Ion: 41 Resp: 50161
Ion Ratio Lower Upper
41 100
39 52.7 42.2 63.4
67 63.6 49.5 74.3
52 27.1 20.5 30.7



#42
1,2-Dichloroethane
Concen: 20.872 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion: 62 Resp: 67836
Ion Ratio Lower Upper
62 100
98 8.0 0.0 17.2





#43

Isopropyl Acetate

Concen: 21.360 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBSD01

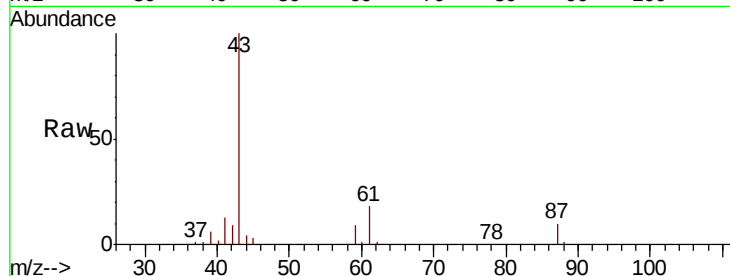
Tot Ion: 43 Resp: 146639

Ion Ratio Lower Upper

43 100

61 18.6 15.0 22.4

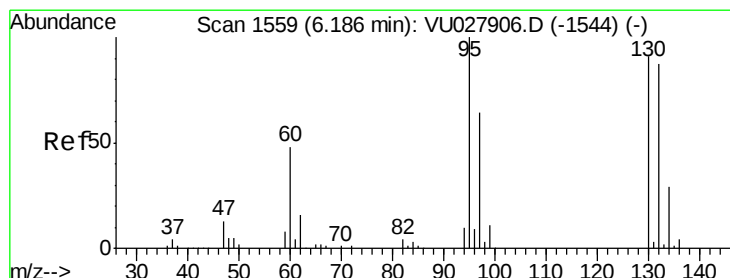
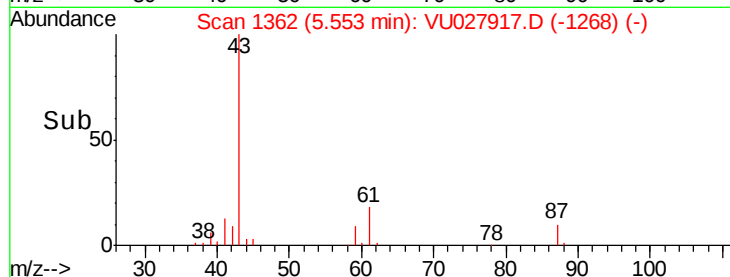
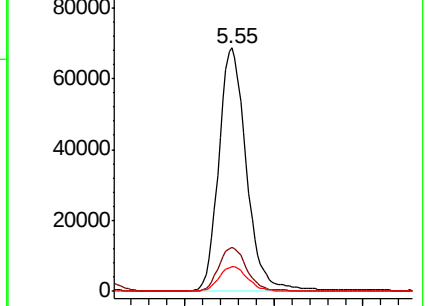
87 10.6 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1346) (-)

Ion 61.00 (60.70 to 61.70): VU027906.D (-1346) (-)

Ion 87.00 (86.70 to 87.70): VU027906.D (-1346) (-)



#44

Trichloroethene

Concen: 19.438 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027917.D

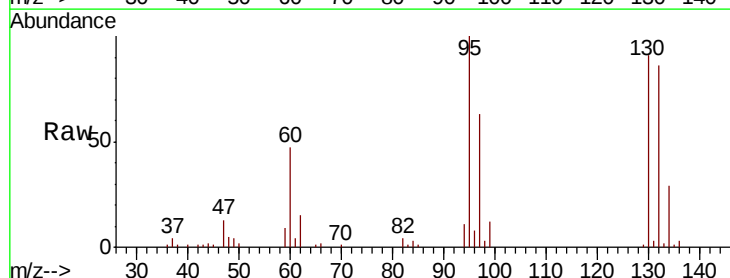
Acq: 02 Nov 2018 11:43

Tgt Ion:130 Resp: 38205

Ion Ratio Lower Upper

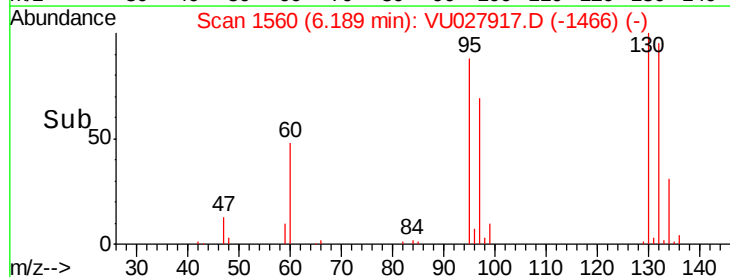
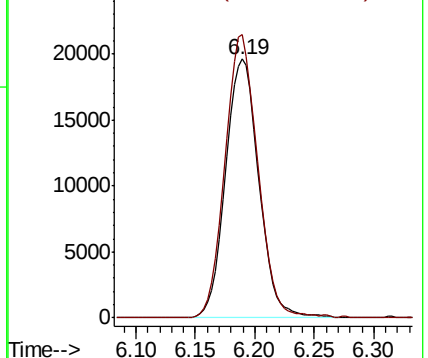
130 100

95 109.4 0.0 219.2



Abundance Ion 129.80 (129.50 to 130.50): VU027906.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU027906.D (-1544) (-)





#45

1,2-Dichloropropane

Concen: 20.518 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

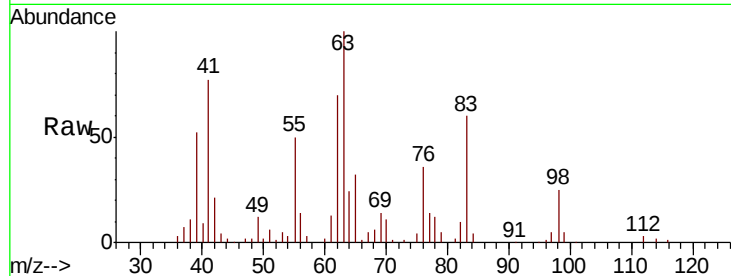
VU1102WBSD01

Tot Ion: 63 Resp: 54104

Ion Ratio Lower Upper

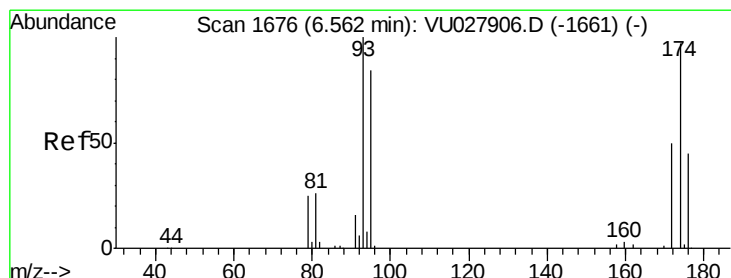
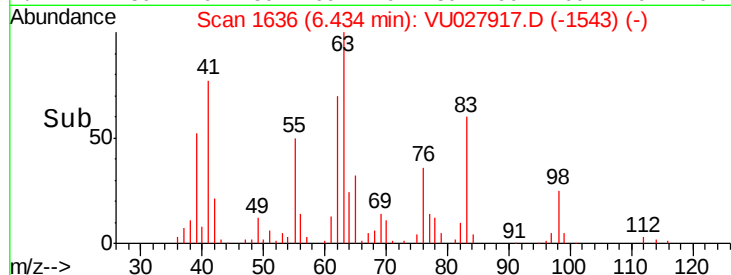
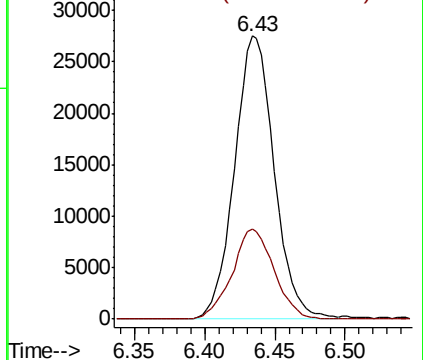
63 100

65 32.0 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 21.509 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

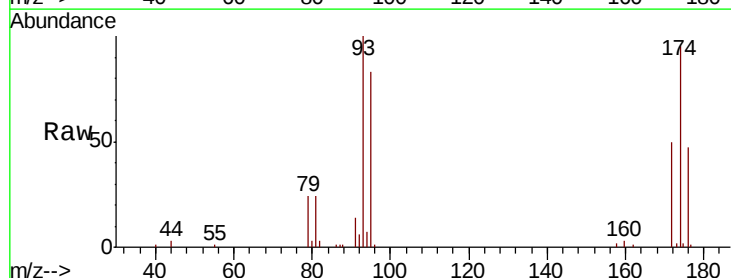
Tgt Ion: 93 Resp: 32602

Ion Ratio Lower Upper

93 100

95 82.2 68.5 102.7

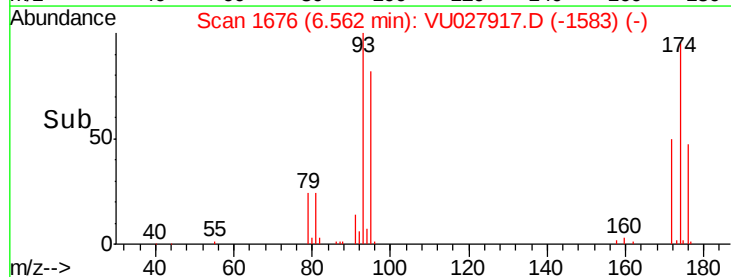
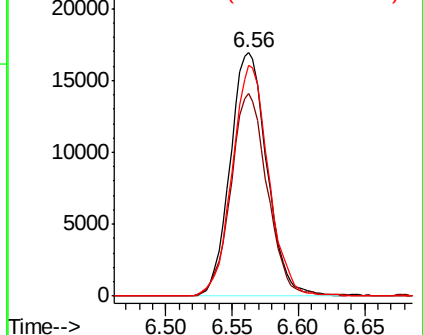
174 93.7 76.1 114.1

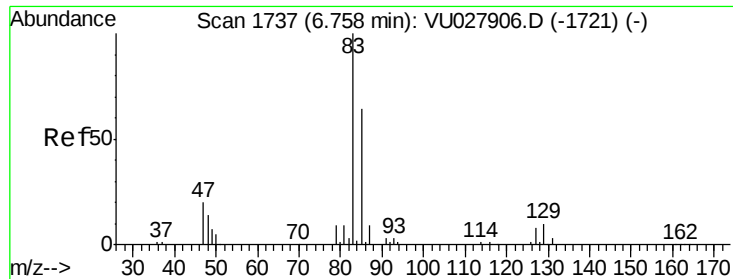


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.732 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBSD01

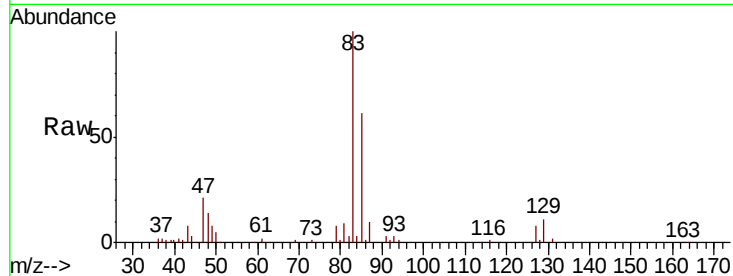
Tot Ion: 83 Resp: 60559

Ion Ratio Lower Upper

83 100

85 61.2 51.0 76.6

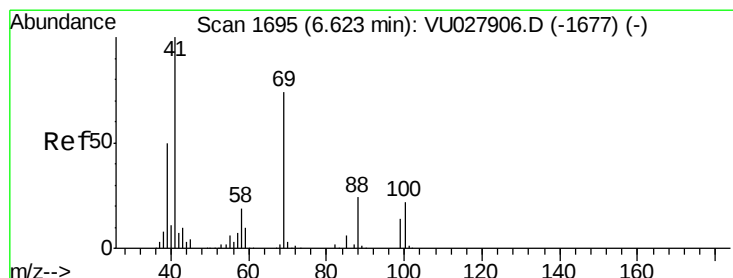
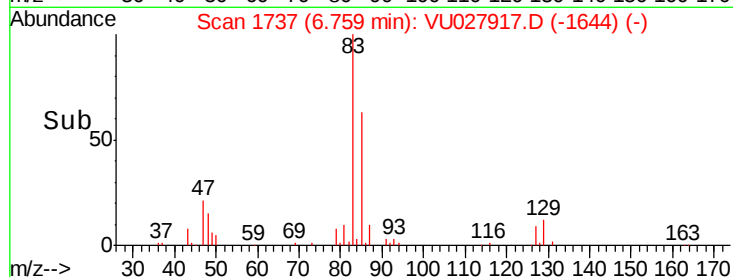
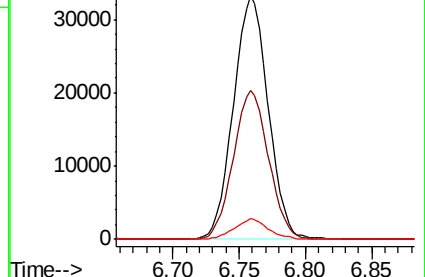
127 8.4 6.2 9.4



Abundance Ion 82.90 (82.60 to 83.60): VU027906.D (-1721) (-)

Ion 84.90 (84.60 to 85.60): VU027906.D (-1721) (-)

Ion 126.80 (126.50 to 127.50): VU027906.D (-1721) (-)



#48

Methyl methacrylate

Concen: 21.598 ug/l

RT: 6.63 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

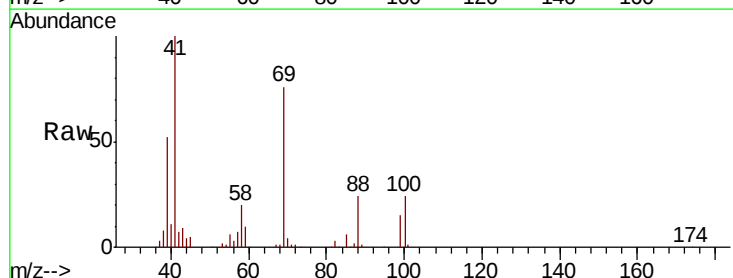
Tgt Ion: 41 Resp: 72660

Ion Ratio Lower Upper

41 100

69 75.1 59.8 89.8

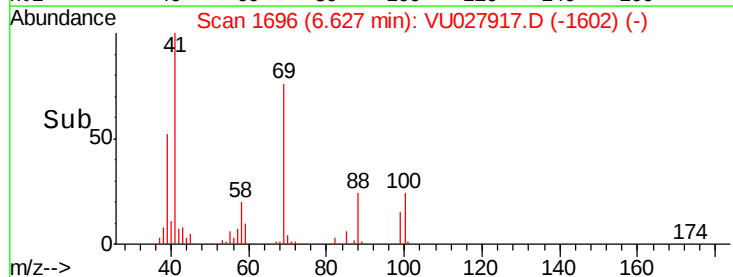
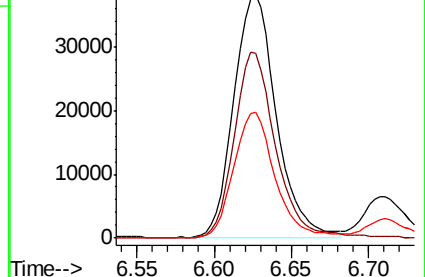
39 50.9 40.0 60.0

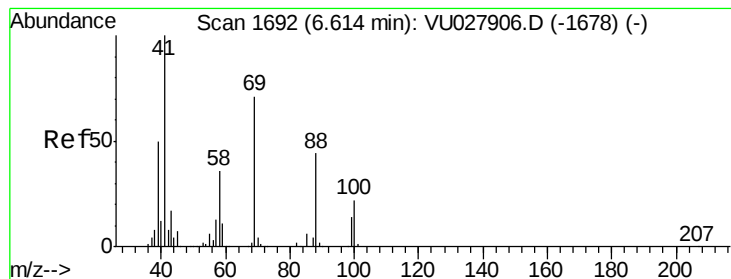


Abundance Ion 41.00 (40.70 to 41.70): VU027906.D (-1677) (-)

Ion 69.00 (68.70 to 69.70): VU027906.D (-1677) (-)

Ion 39.00 (38.70 to 39.70): VU027906.D (-1677) (-)





#49

1,4-Dioxane

Concen: 464.820 ug/l

RT: 6.61 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBSD01

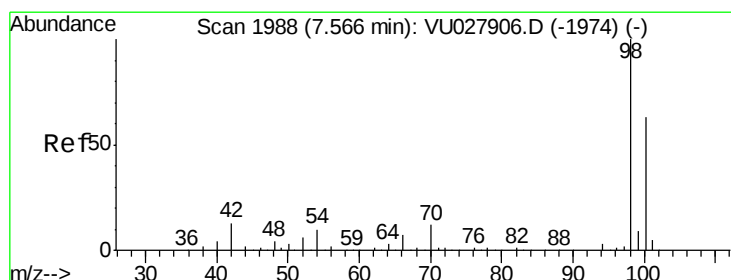
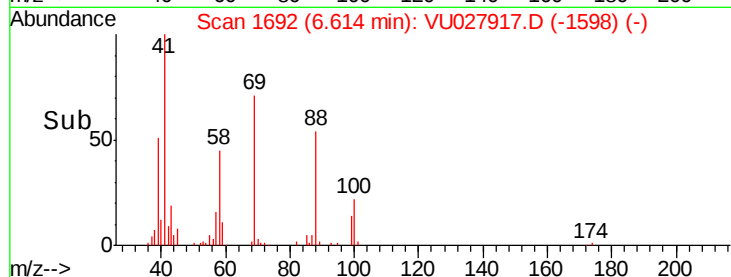
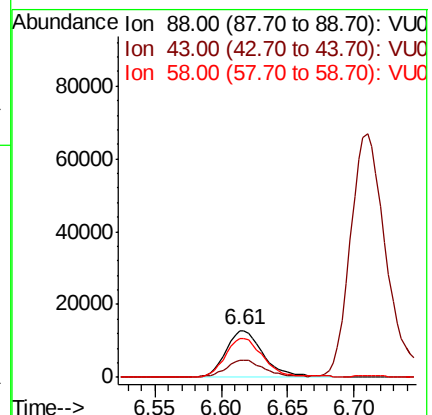
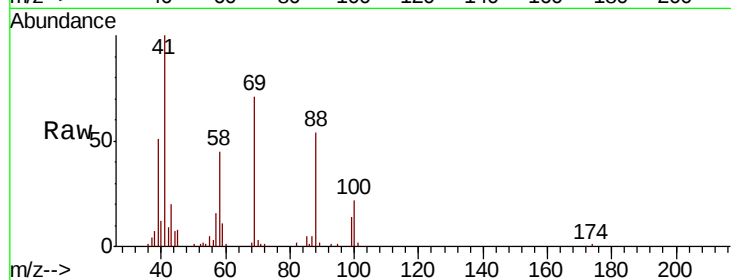
Tot Ion: 88 Resp: 25513

Ion Ratio Lower Upper

88 100

43 34.6 30.5 45.7

58 83.0 67.1 100.7



#50

Toluene-d8

Concen: 49.892 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU027917.D

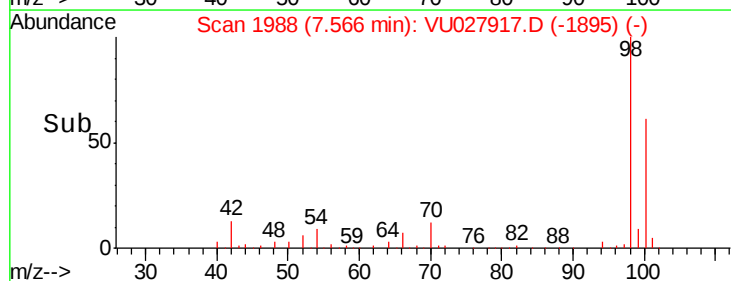
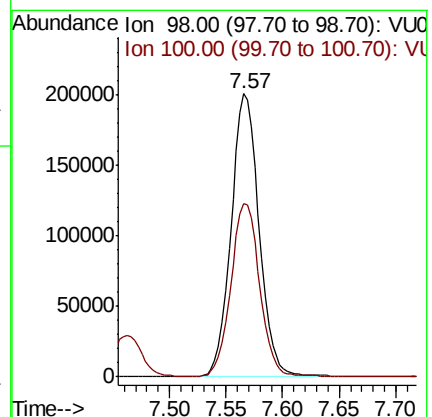
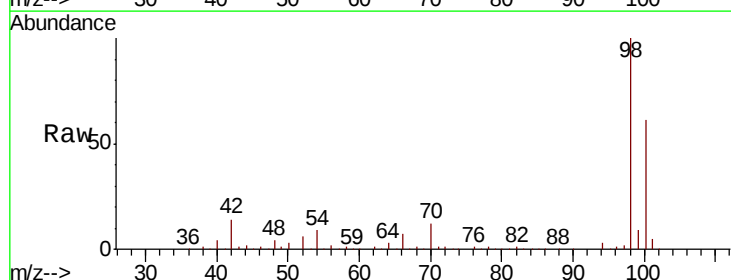
Acq: 02 Nov 2018 11:43

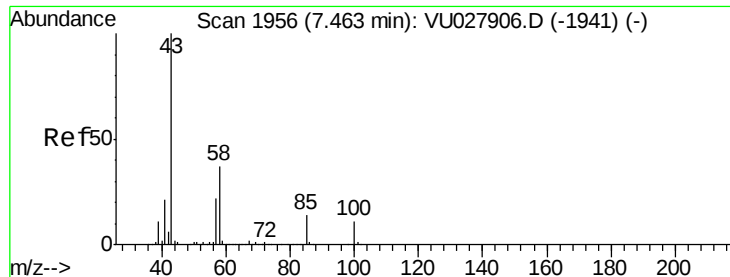
Tgt Ion: 98 Resp: 346992

Ion Ratio Lower Upper

98 100

100 61.9 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 104.050 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

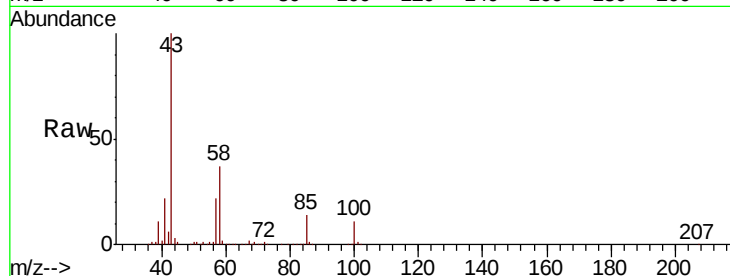
VU1102WBSD01

Tot Ion: 43 Resp: 477051

Ion Ratio Lower Upper

43 100

58 37.2 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)

7.46

250000

200000

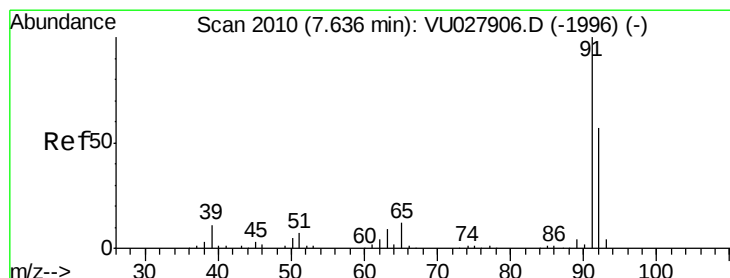
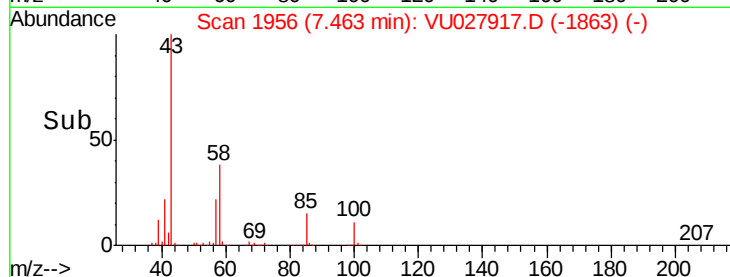
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.656 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027917.D

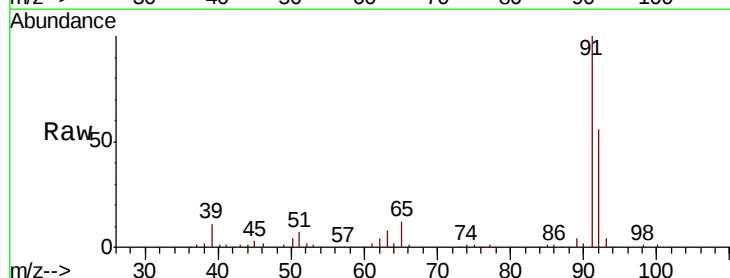
Acq: 02 Nov 2018 11:43

Tgt Ion: 92 Resp: 105660

Ion Ratio Lower Upper

92 100

91 176.9 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU027906.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027906.D (-1996) (-)

7.64

120000

100000

80000

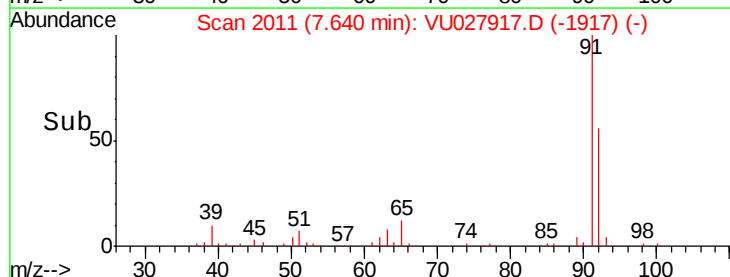
60000

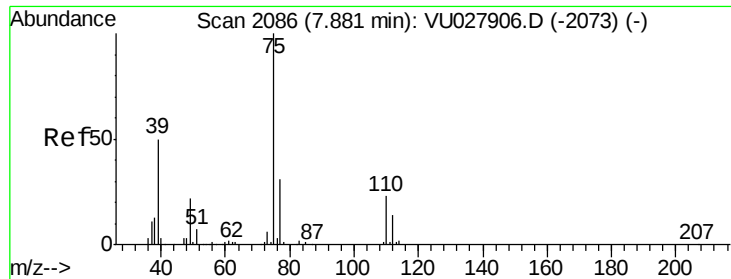
40000

20000

0

Time-->

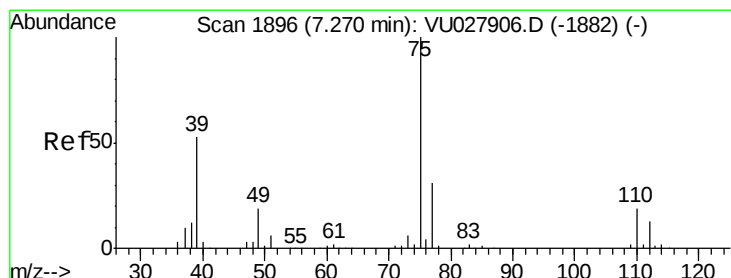
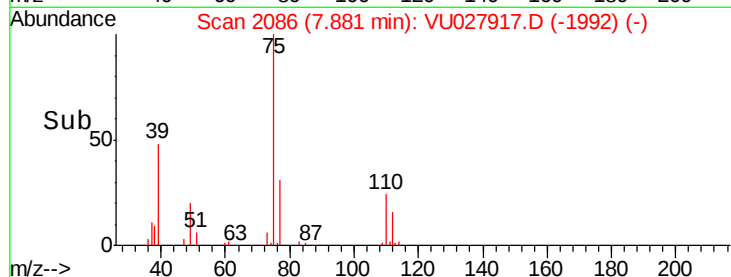
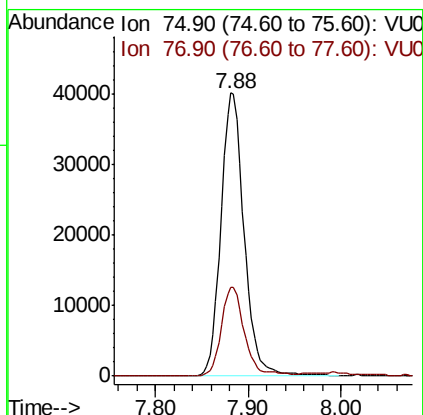
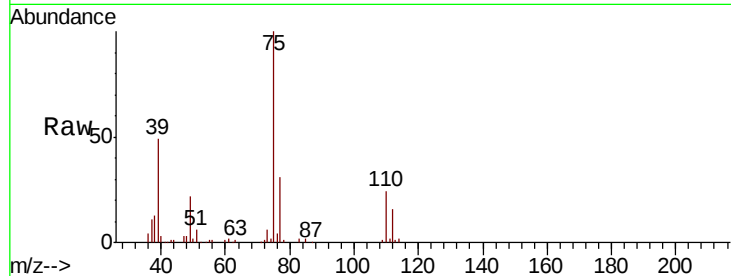




#53
t-1,3-Dichloropropene
Concen: 19.976 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

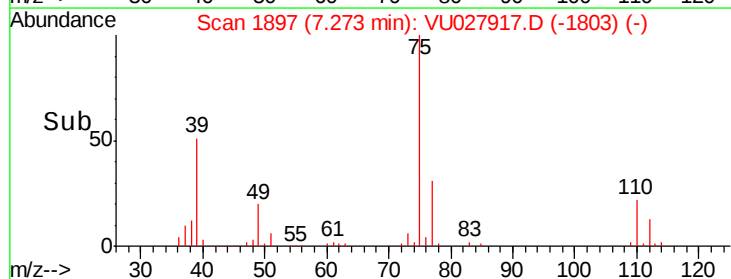
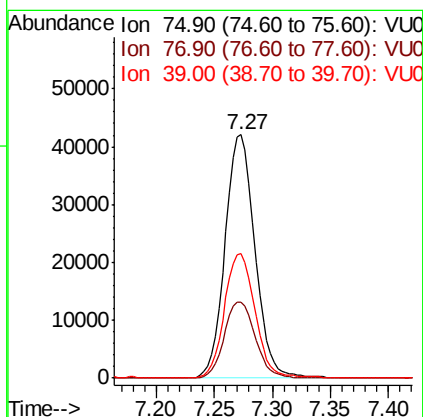
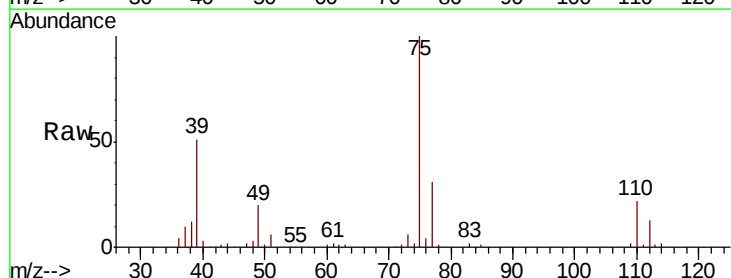
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

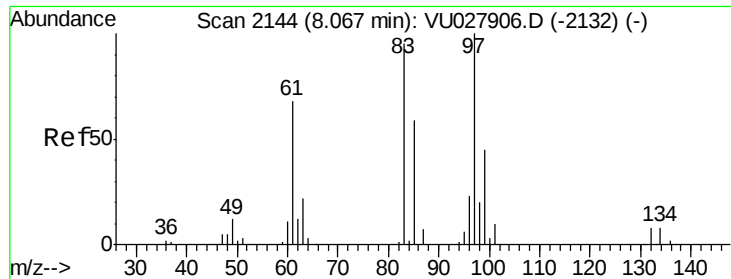
Tot Ion: 75 Resp: 69870
Ion Ratio Lower Upper
75 100
77 31.5 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 20.903 ug/l
RT: 7.27 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion: 75 Resp: 75269
Ion Ratio Lower Upper
75 100
77 31.1 24.6 37.0
39 51.4 42.6 64.0

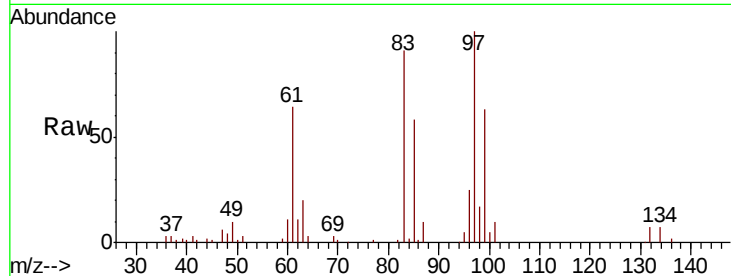




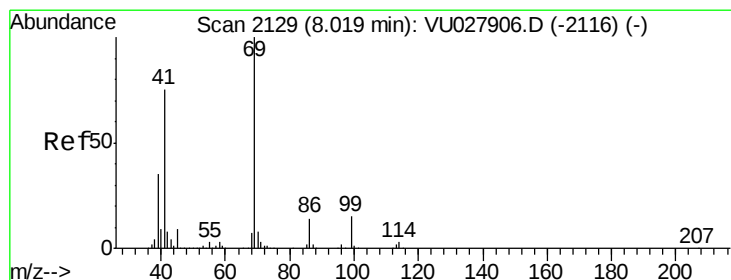
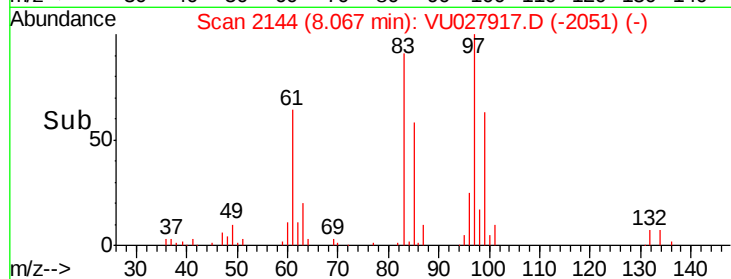
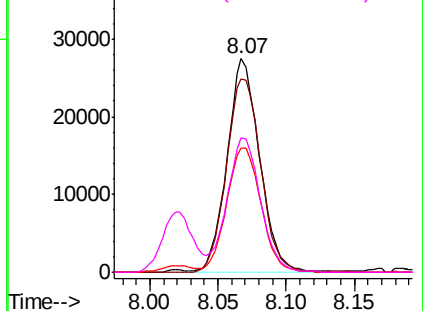
#55
 1,1,2-Trichloroethane
 Concen: 20.831 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBSD01

Tot Ion: 97 Resp: 45556
 Ion Ratio Lower Upper
 97 100
 83 90.7 76.1 114.1
 85 58.1 48.9 73.3
 99 62.8 52.0 78.0

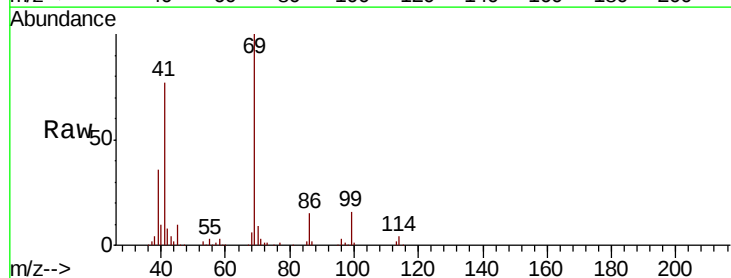


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

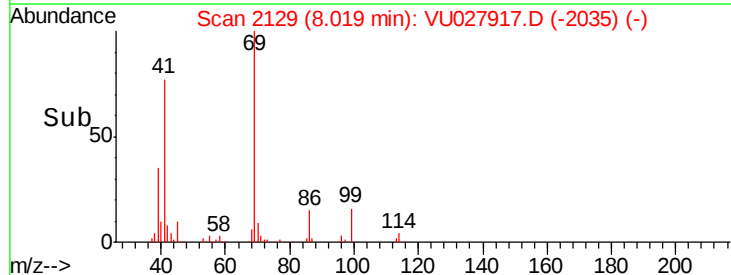
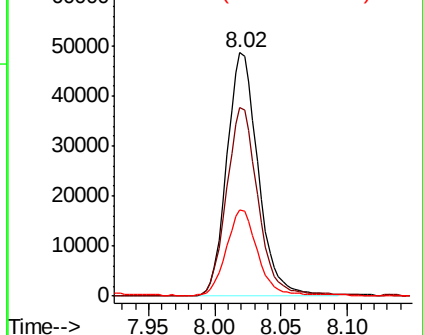


#56
 Ethyl methacrylate
 Concen: 20.822 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Tgt Ion: 69 Resp: 80304
 Ion Ratio Lower Upper
 69 100
 41 78.5 59.8 89.6
 39 35.9 28.6 42.8



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

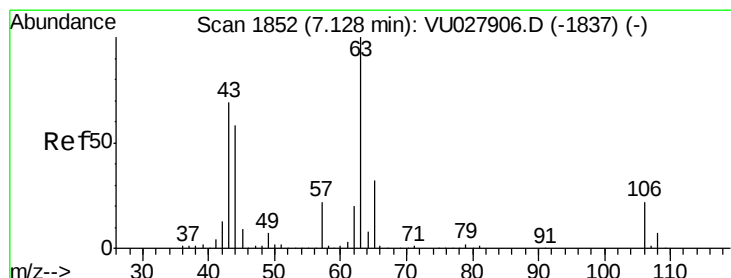
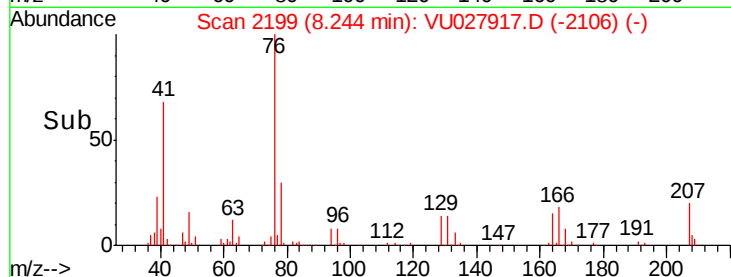
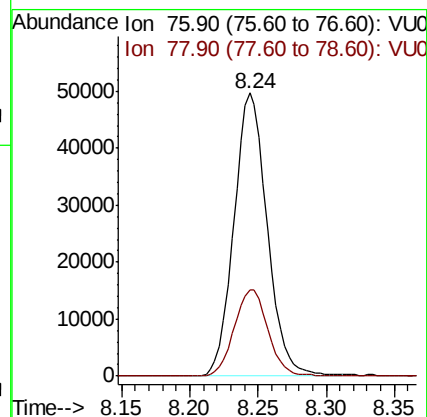
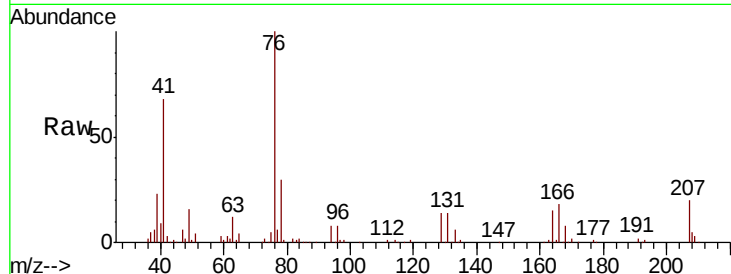




#57
 1,3-Dichloropropane
 Concen: 21.156 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

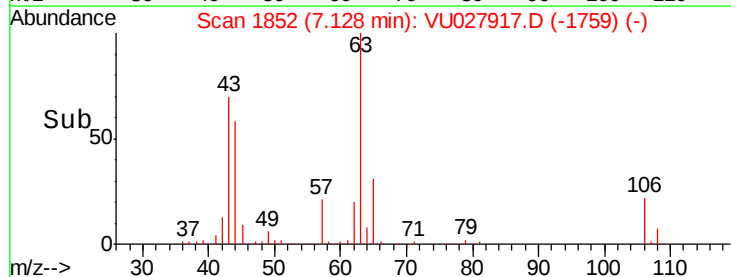
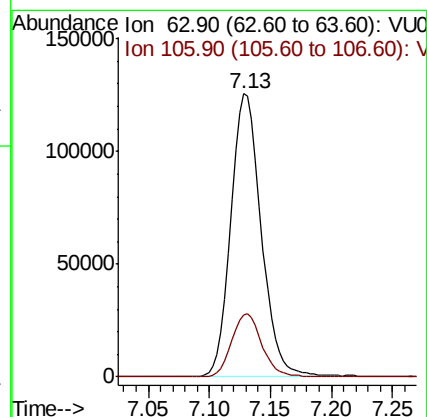
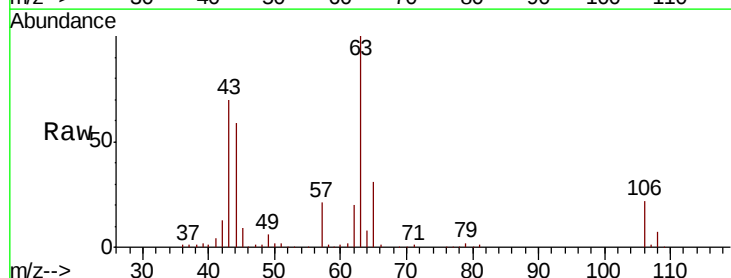
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBSD01

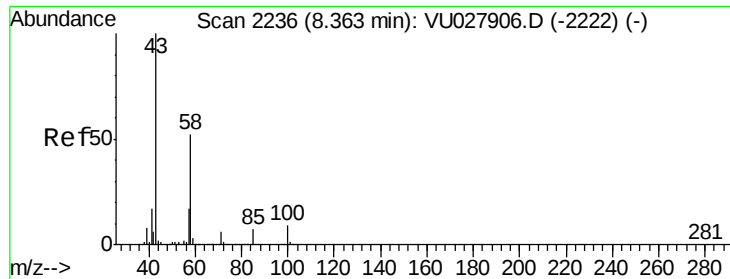
Tot Ion: 76 Resp: 84282
 Ion Ratio Lower Upper
 76 100
 78 30.8 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.389 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Tgt Ion: 63 Resp: 219751
 Ion Ratio Lower Upper
 63 100
 106 22.1 17.8 26.6





#59

2-Hexanone

Concen: 105.153 ug/l

RT: 8.36 min Scan# 2236

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

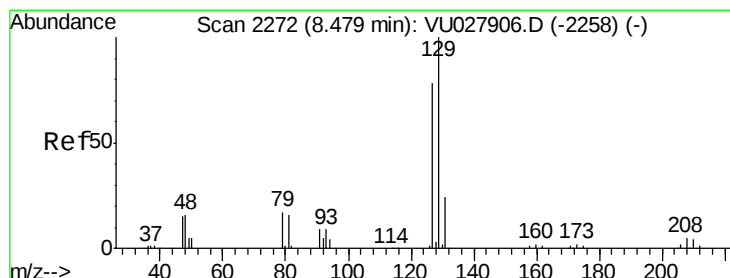
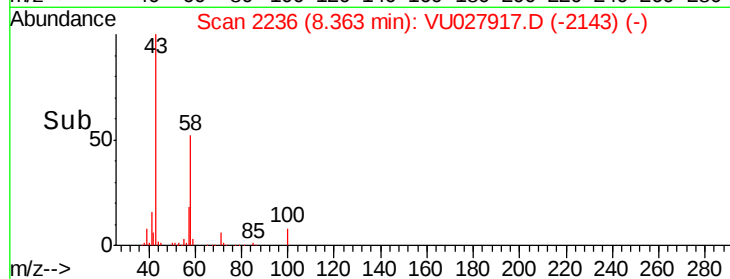
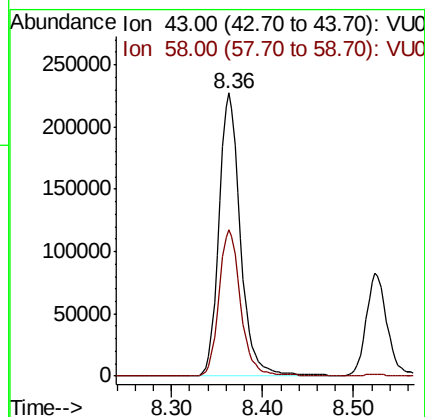
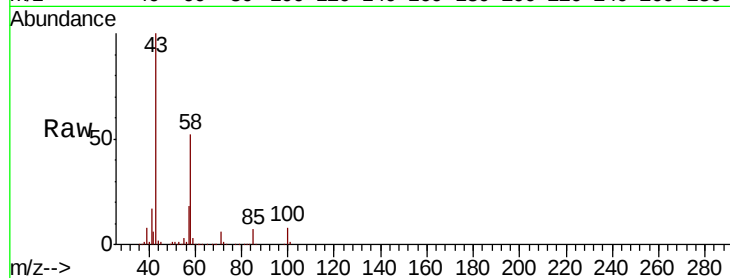
VU1102WBSD01

Tot Ion: 43 Resp: 372878

Ion Ratio Lower Upper

43 100

58 52.4 25.8 77.3



#60

Dibromochloromethane

Concen: 21.147 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VU027917.D

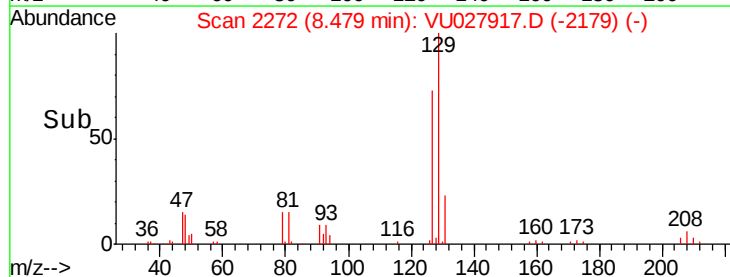
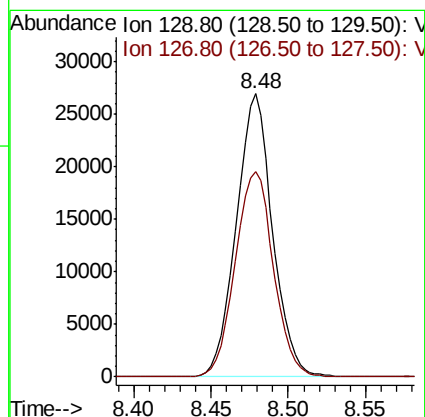
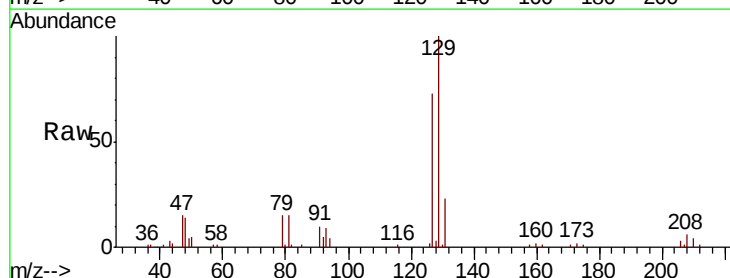
Acq: 02 Nov 2018 11:43

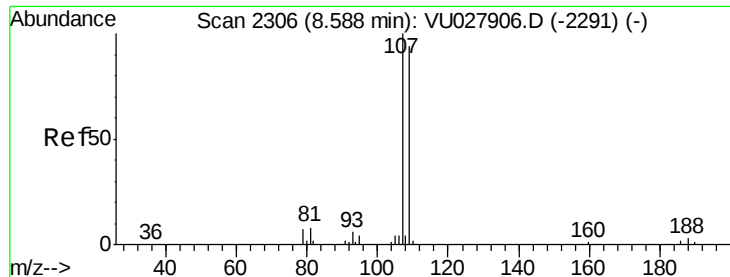
Tgt Ion: 129 Resp: 43764

Ion Ratio Lower Upper

129 100

127 76.5 39.2 117.6





#61

1,2-Dibromoethane

Concen: 21.105 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

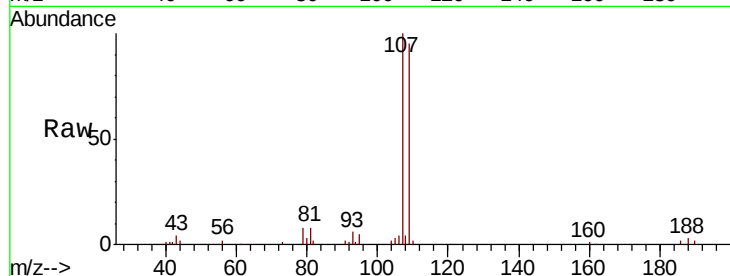
VU1102WBSD01

Tot Ion:107 Resp: 49043

Ion Ratio Lower Upper

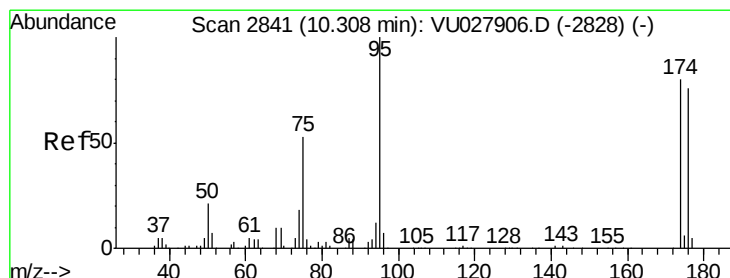
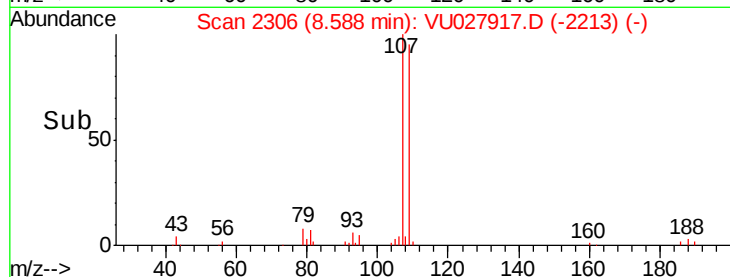
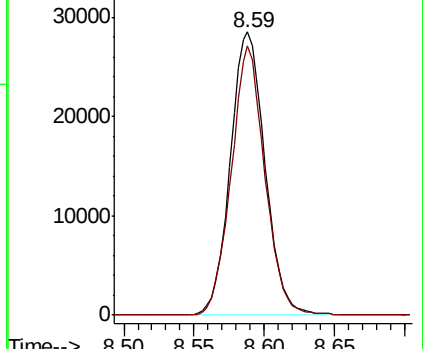
107 100

109 92.0 73.8 110.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.952 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

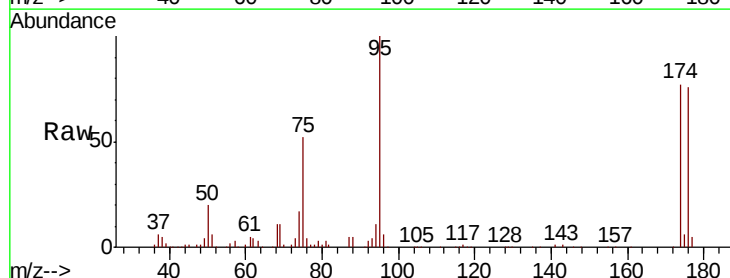
Tgt Ion: 95 Resp: 125575

Ion Ratio Lower Upper

95 100

174 77.7 0.0 156.4

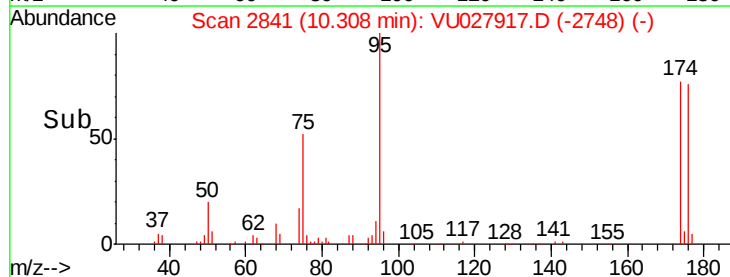
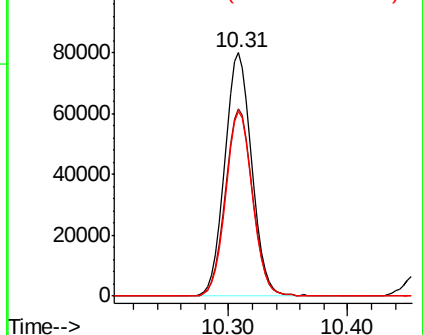
176 75.4 0.0 150.8

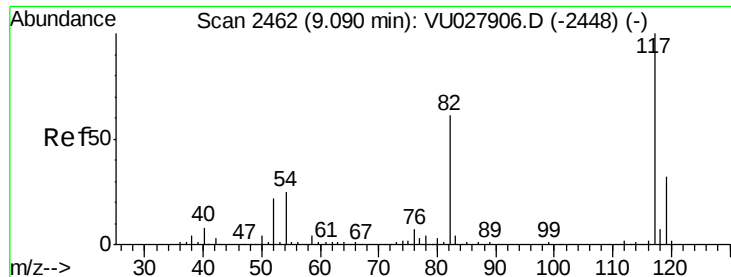


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

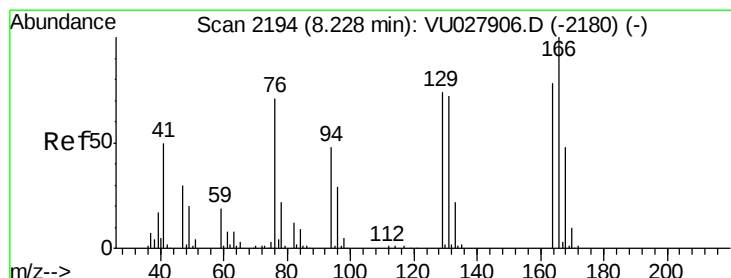
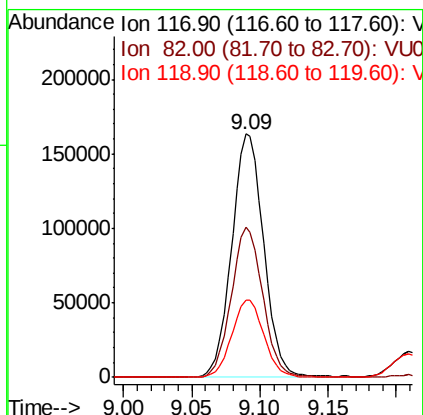
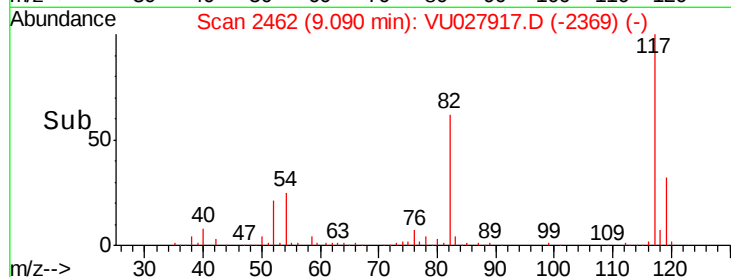
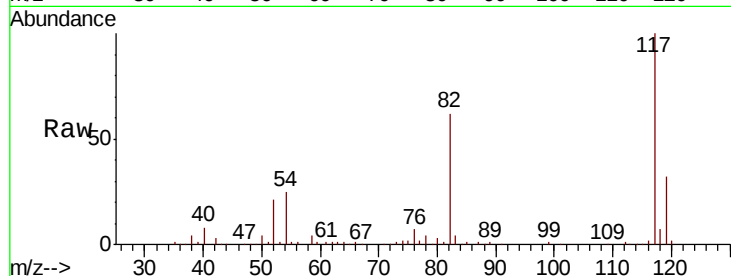




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

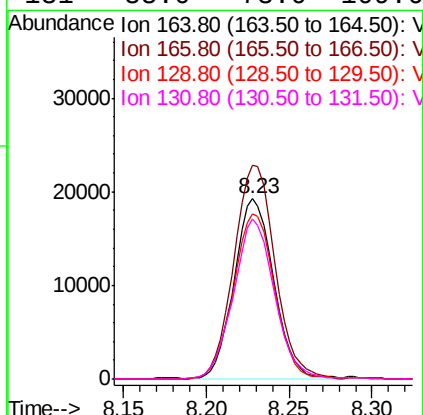
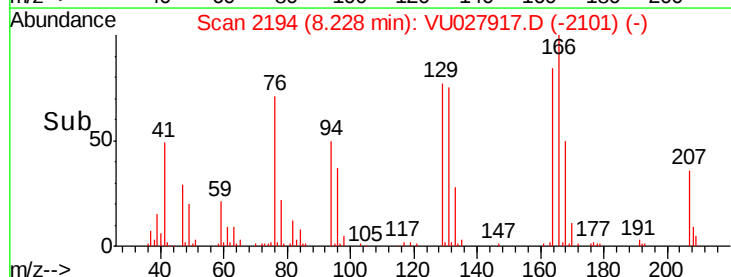
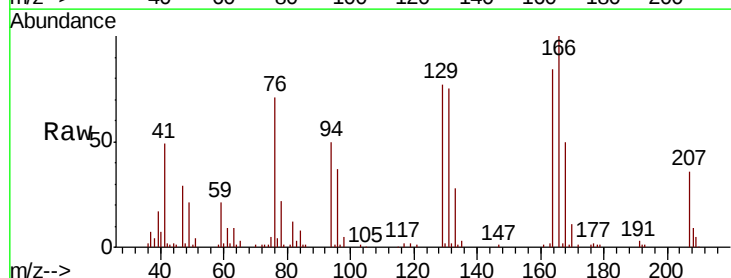
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

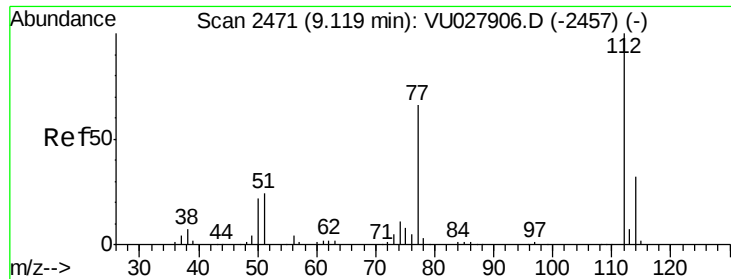
Tot Ion:117 Resp: 265974
Ion Ratio Lower Upper
117 100
82 61.7 48.6 73.0
119 31.8 25.8 38.8



#64
Tetrachloroethene
Concen: 18.672 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion:164 Resp: 32203
Ion Ratio Lower Upper
164 100
166 118.4 102.1 153.1
129 91.4 75.9 113.9
131 88.0 73.0 109.6

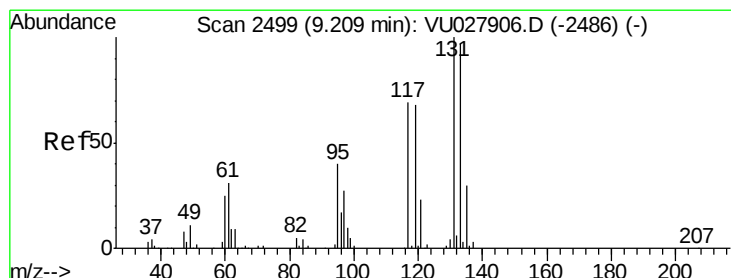
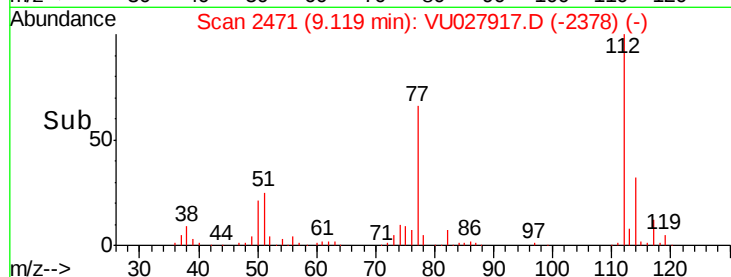
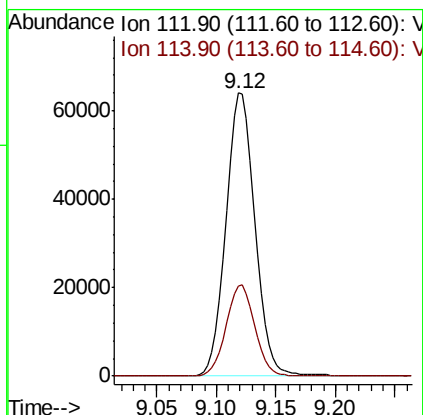
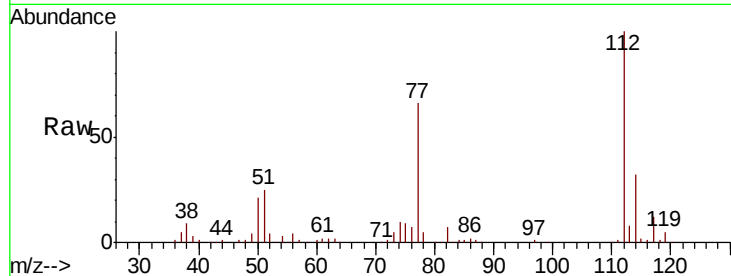




#65
Chlorobenzene
Concen: 19.278 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

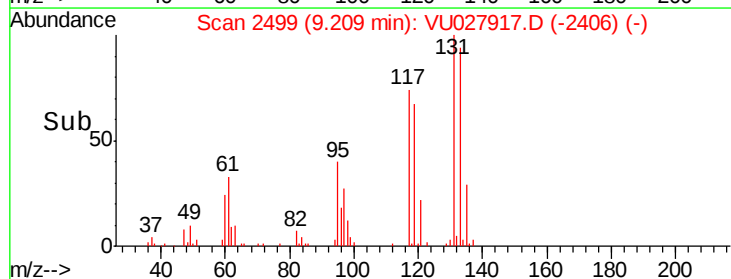
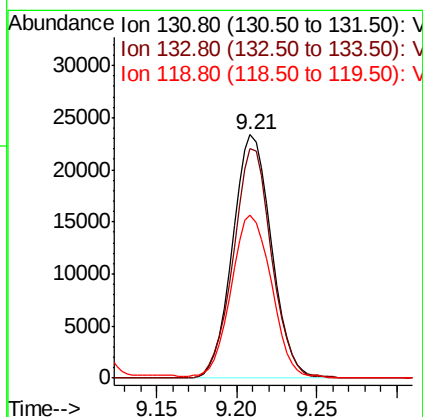
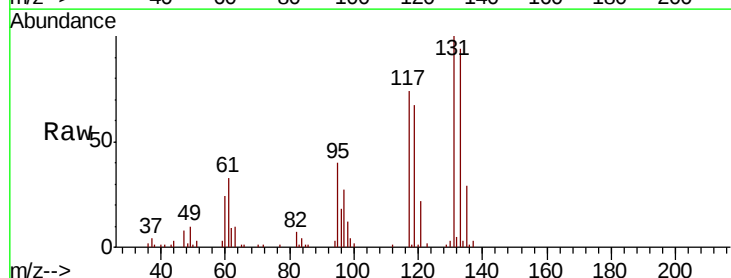
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

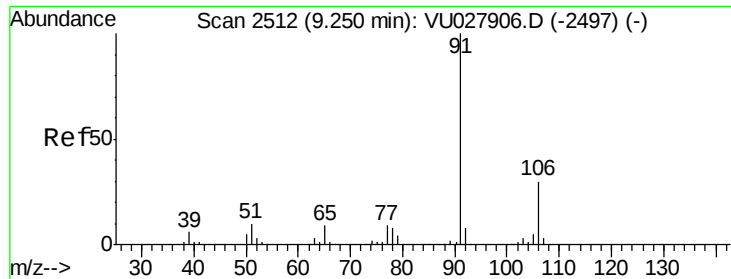
Tot Ion:112 Resp: 108327
Ion Ratio Lower Upper
112 100
114 31.8 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.112 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion:131 Resp: 38602
Ion Ratio Lower Upper
131 100
133 93.1 48.1 144.4
119 70.1 34.0 101.8

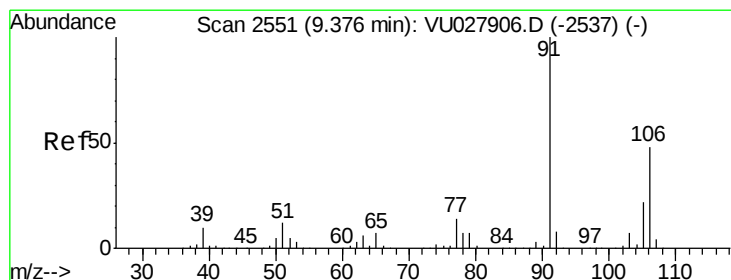
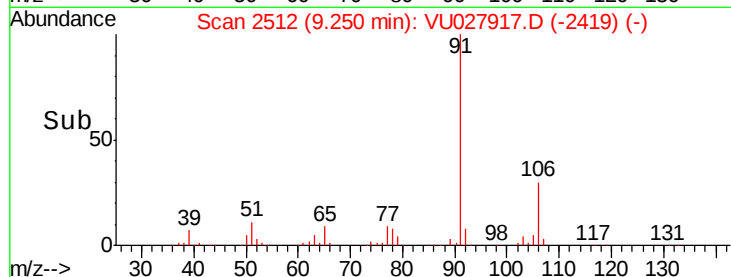
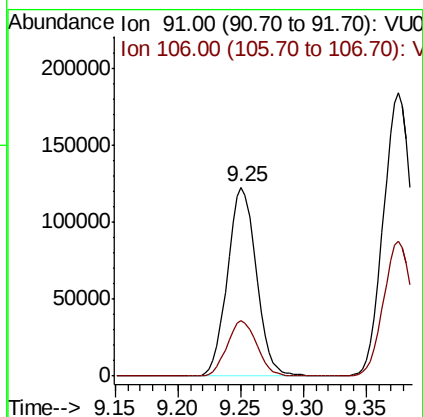
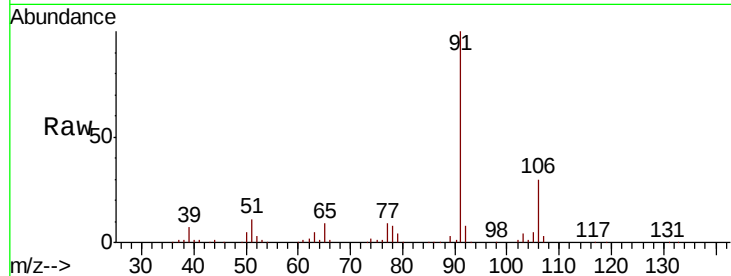




#67
Ethyl Benzene
Concen: 19.026 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

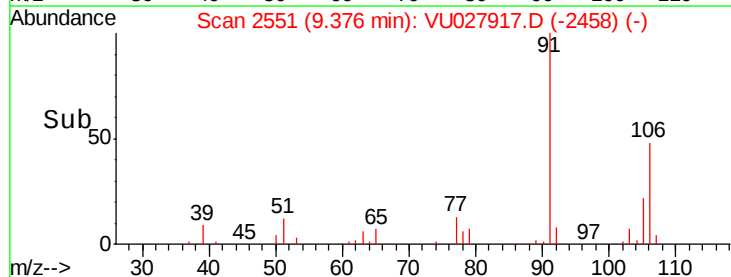
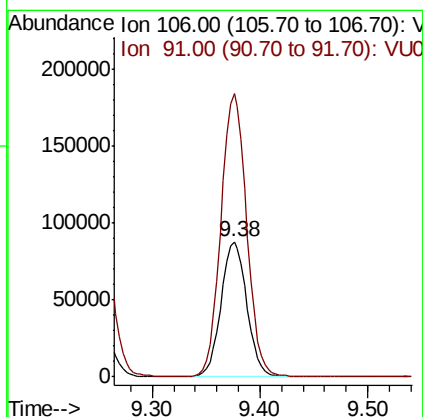
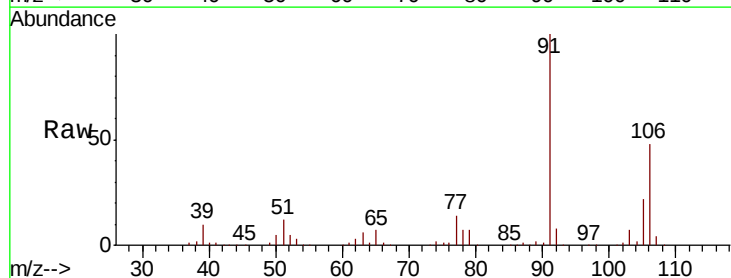
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

Tot Ion: 91 Resp: 196794
Ion Ratio Lower Upper
91 100
106 29.6 23.6 35.4



#68
m/p-Xylenes
Concen: 38.945 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion: 106 Resp: 146159
Ion Ratio Lower Upper
106 100
91 207.7 168.2 252.4

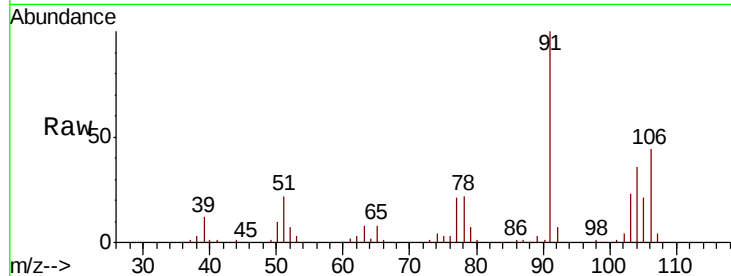




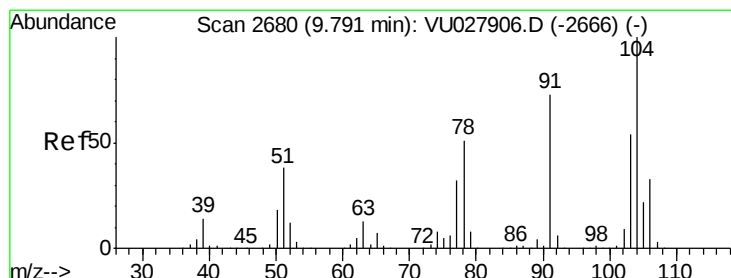
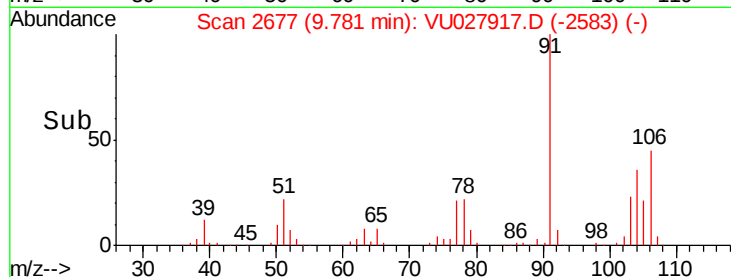
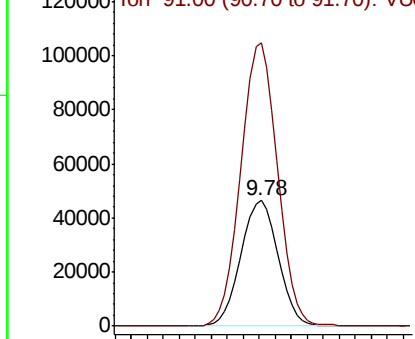
#69
o-Xylene
Concen: 19.493 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

Tot Ion:106 Resp: 73872
Ion Ratio Lower Upper
106 100
91 221.2 111.1 333.4

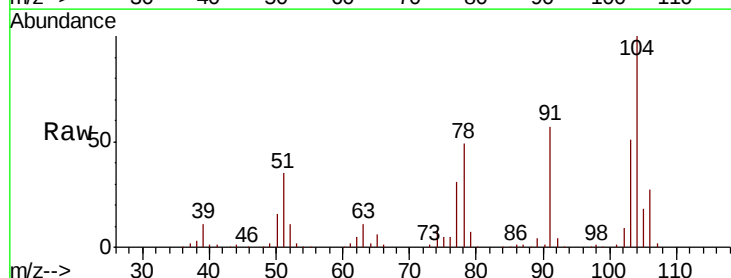


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

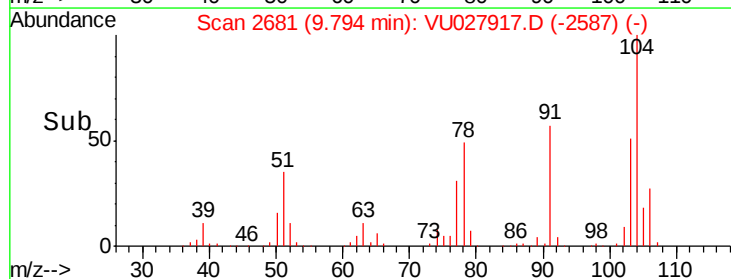
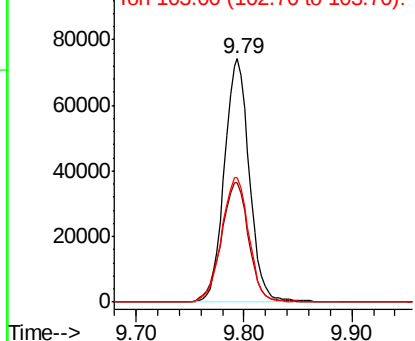


#70
Styrene
Concen: 19.819 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion:104 Resp: 120008
Ion Ratio Lower Upper
104 100
78 53.9 43.0 64.4
103 55.2 45.1 67.7



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: 19.733 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBSD01

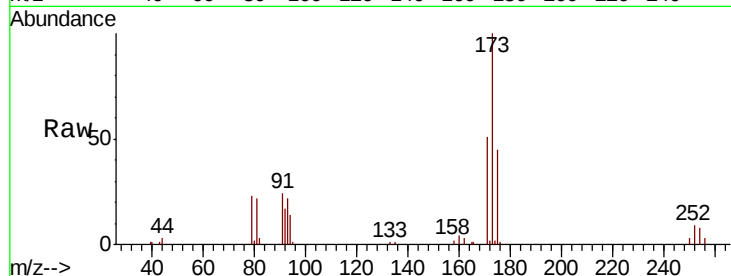
Tot Ion:173 Resp: 31742

Ion Ratio Lower Upper

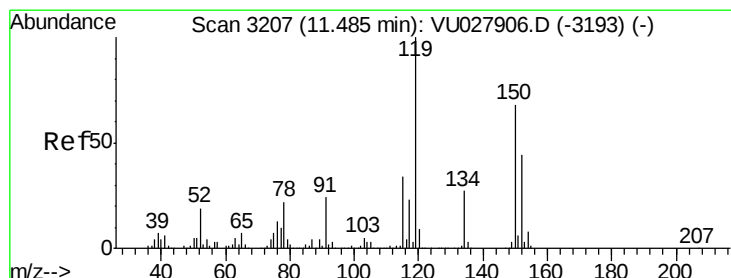
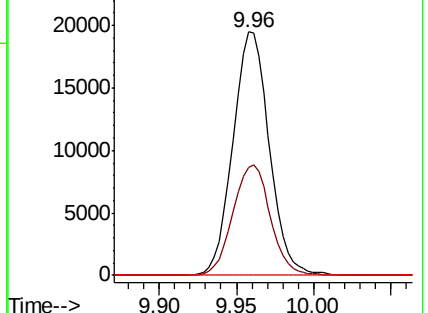
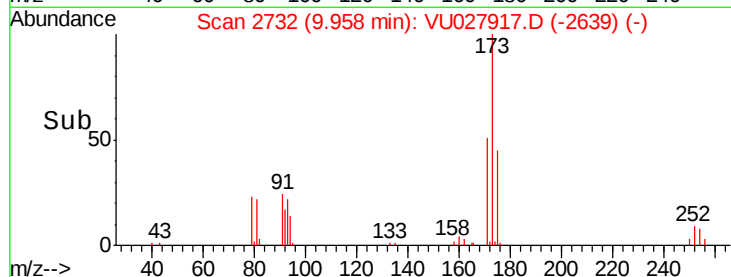
173 100

175 46.6 24.3 72.8

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: VU027917.D

Acq: 02 Nov 2018 11:43

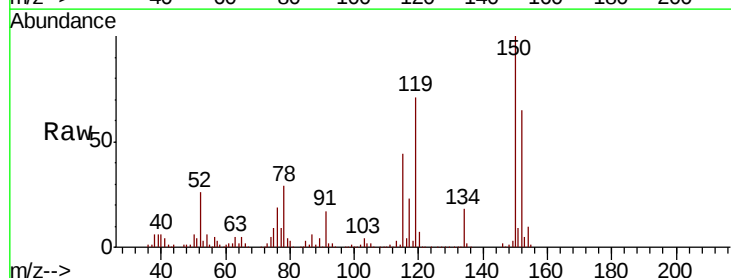
Tgt Ion:152 Resp: 124556

Ion Ratio Lower Upper

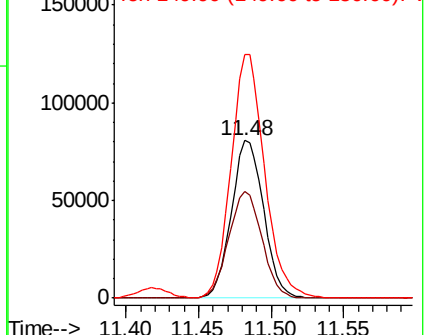
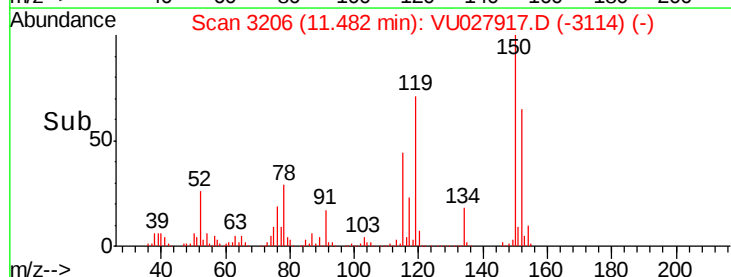
152 100

115 69.9 43.0 129.0

150 160.5 0.0 349.4



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: 19.489 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

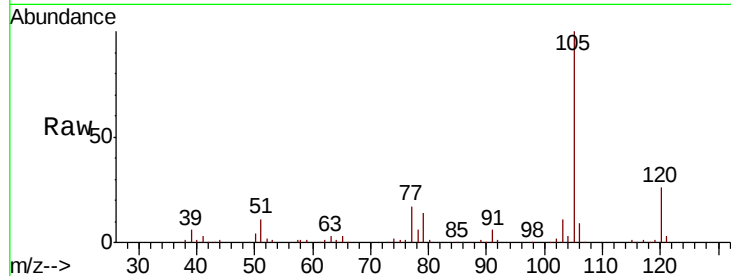
VU1102WBSD01

Tot Ion:105 Resp: 188054

Ion Ratio Lower Upper

105 100

120 25.8 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

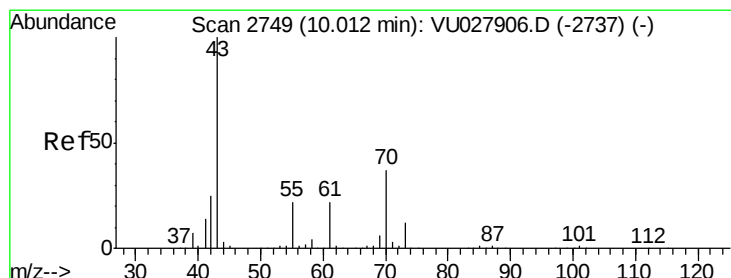
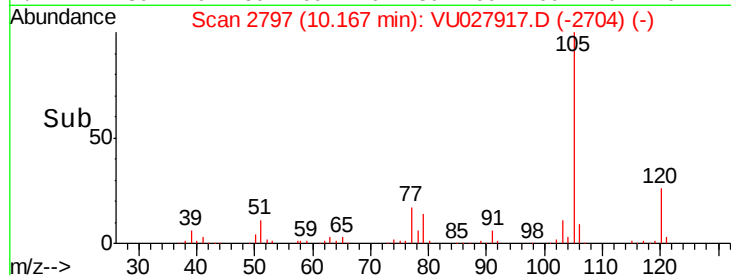
100000

50000

0

Time-->

10.10 10.15 10.20 10.25



#74

N-ethyl acetate

Concen: 21.097 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Tgt Ion: 43 Resp: 123098

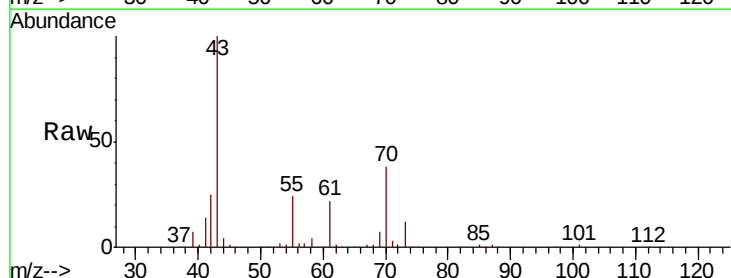
Ion Ratio Lower Upper

43 100

70 38.0 29.2 43.8

55 24.0 17.8 26.6

61 22.4 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

10.01

120000

100000

80000

60000

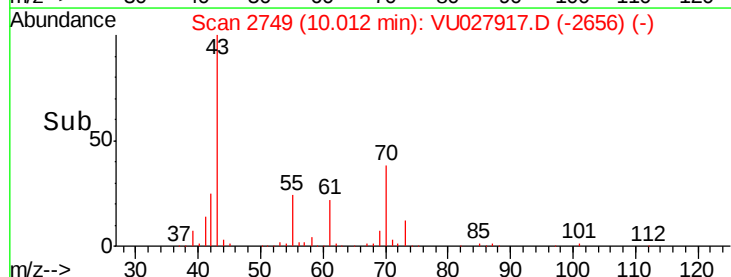
40000

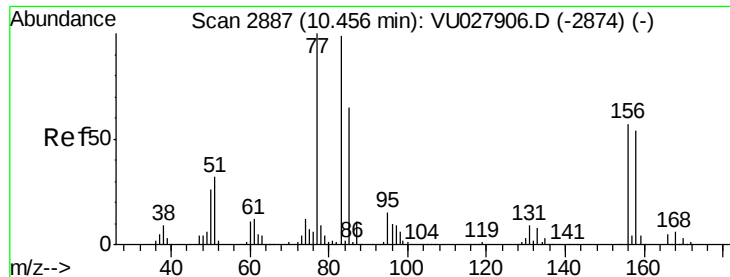
20000

0

Time-->

9.95 10.00 10.05 10.10





#75

1,1,2,2-Tetrachloroethane

Concen: 21.438 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBSD01

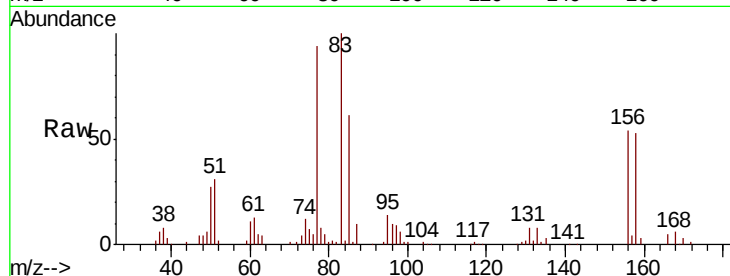
Tot Ion: 83 Resp: 83440

Ion Ratio Lower Upper

83 100

131 7.8 4.3 13.1

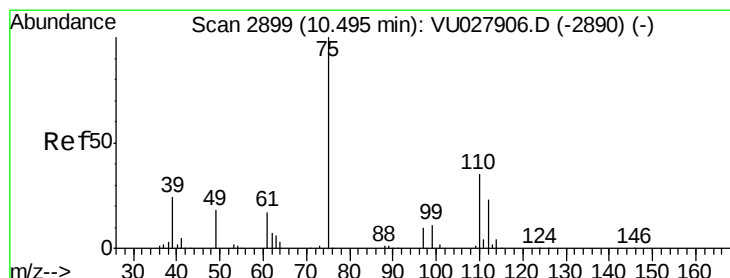
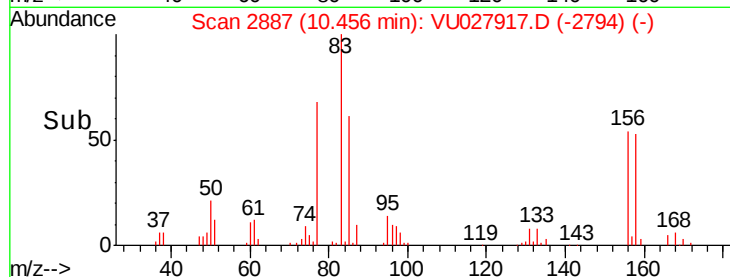
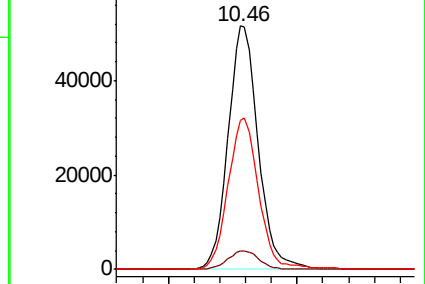
85 63.2 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VU027917.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU027917.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU027917.D (-2794) (-)



#76

1,2,3-Trichloropropane

Concen: 27.522 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027917.D

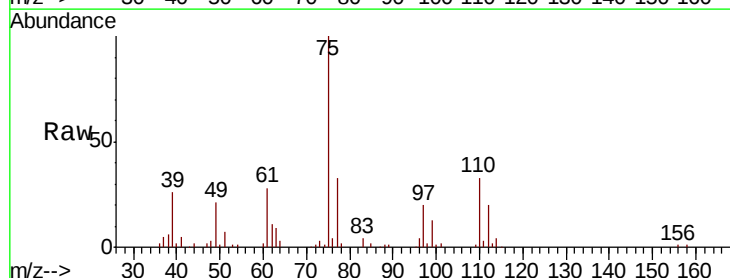
Acq: 02 Nov 2018 11:43

Tgt Ion: 75 Resp: 93766

Ion Ratio Lower Upper

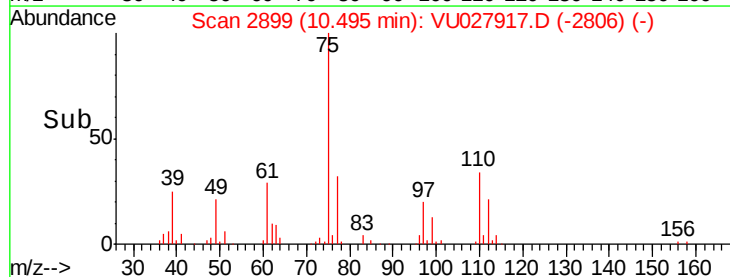
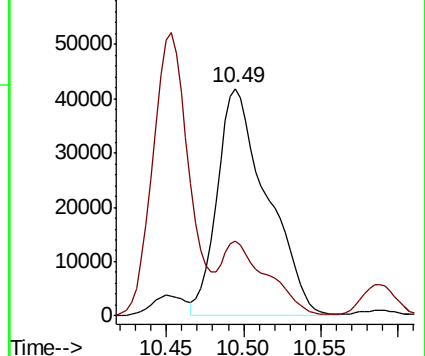
75 100

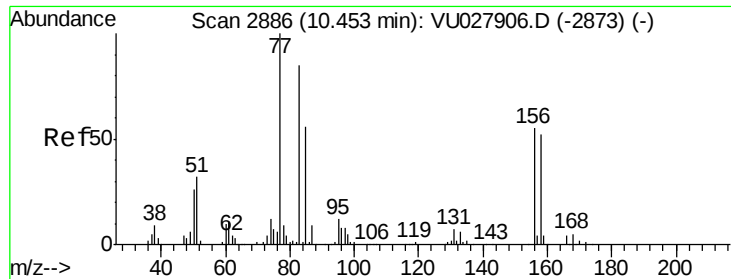
77 29.4 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VU027917.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU027917.D (-2806) (-)





#77

Bromobenzene

Concen: 21.009 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBSD01

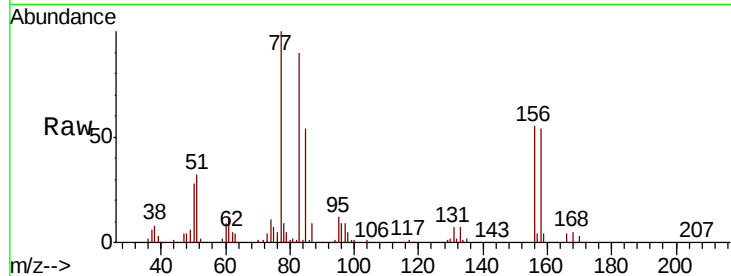
Tot Ion:156 Resp: 46485

Ion Ratio Lower Upper

156 100

77 181.2 91.8 275.6

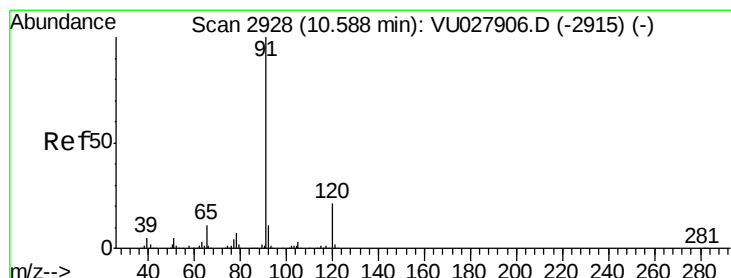
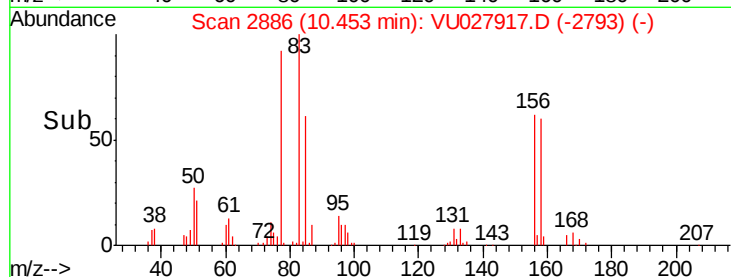
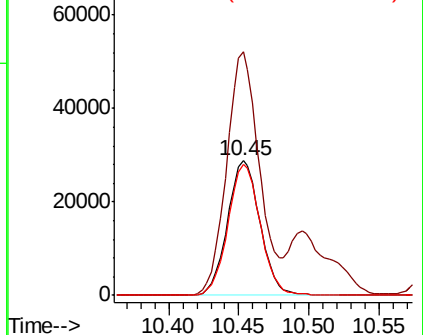
158 96.8 48.4 145.2



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: 19.357 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027917.D

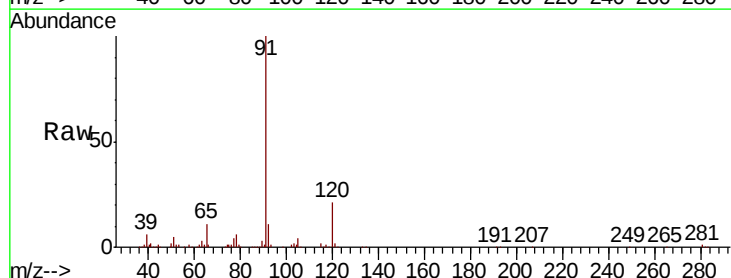
Acq: 02 Nov 2018 11:43

Tgt Ion: 91 Resp: 223577

Ion Ratio Lower Upper

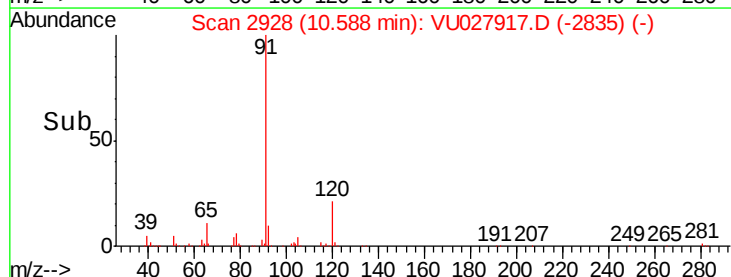
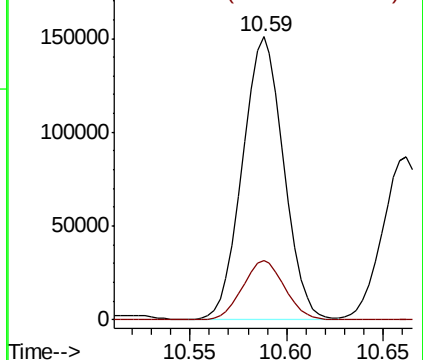
91 100

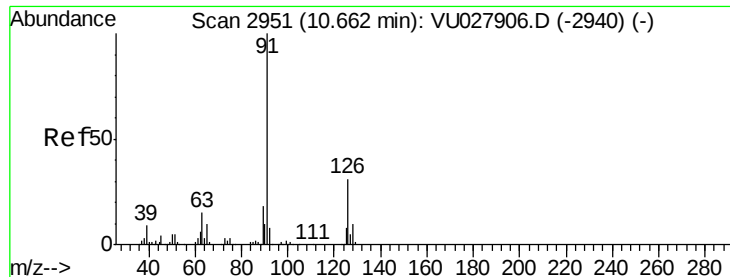
120 21.4 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

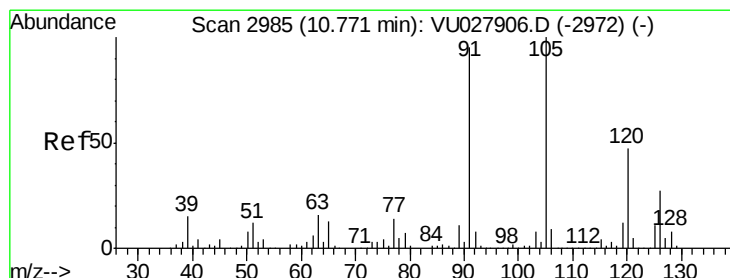
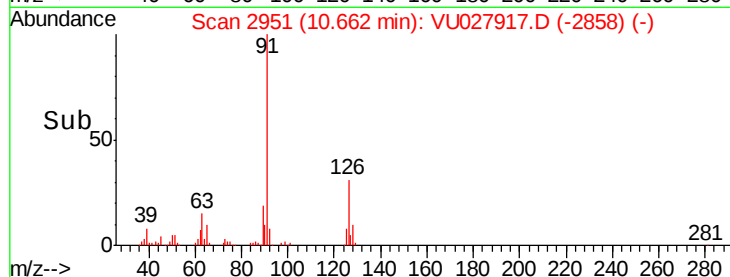
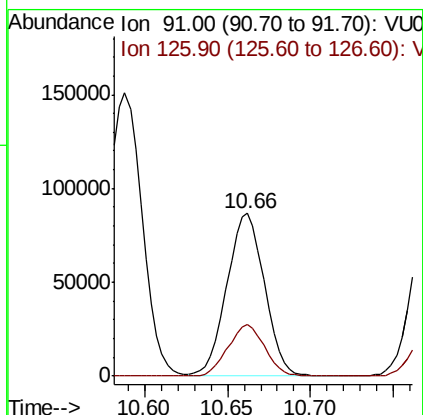
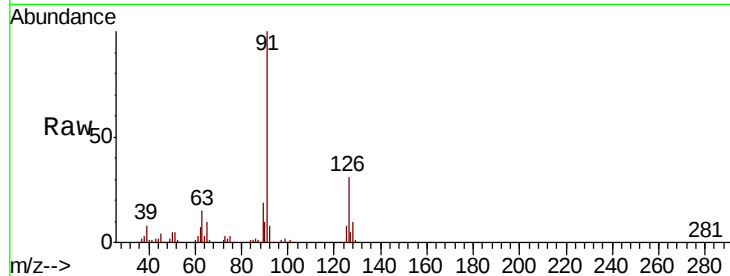




#79
2-Chlorotoluene
Concen: 19.679 ug/l
RT: 10.66 min Scan# 2951
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

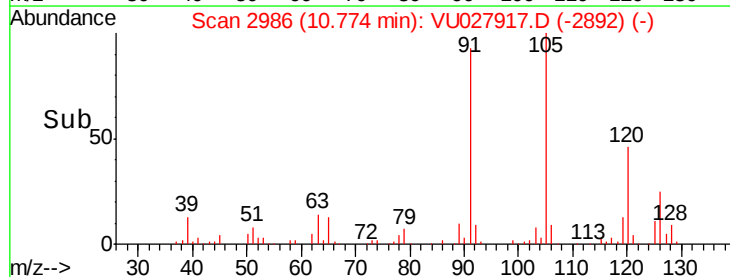
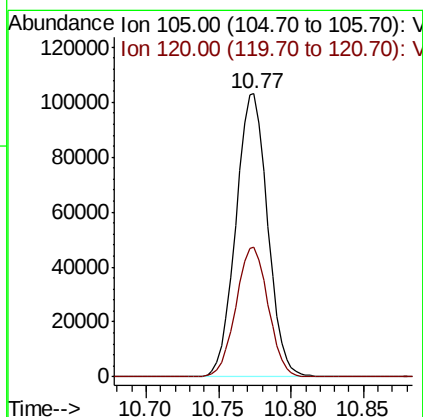
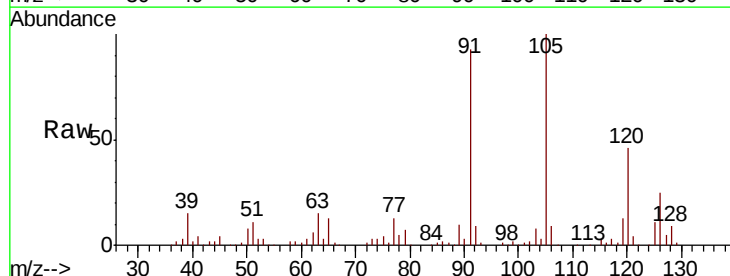
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

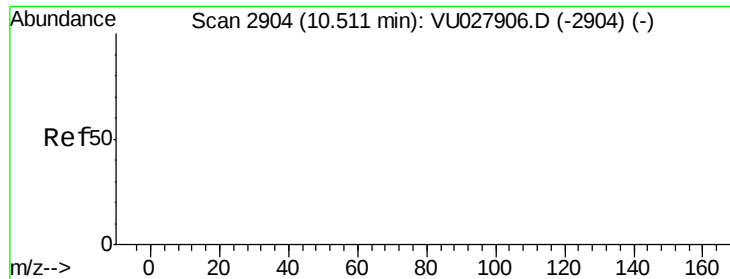
Tot Ion: 91 Resp: 136241
Ion Ratio Lower Upper
91 100
126 31.2 16.0 47.9



#80
1,3,5-Trimethylbenzene
Concen: 19.652 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion: 105 Resp: 157088
Ion Ratio Lower Upper
105 100
120 46.4 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 68.618 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBSD01

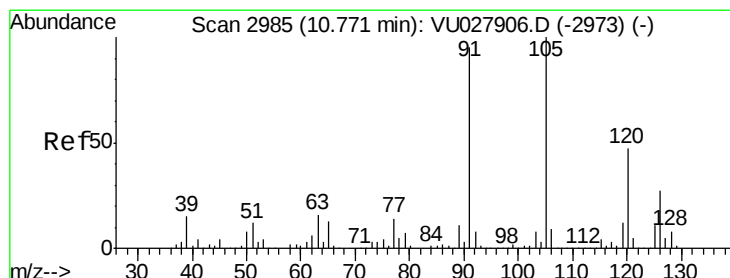
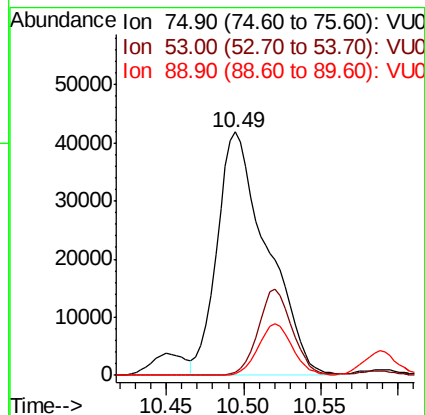
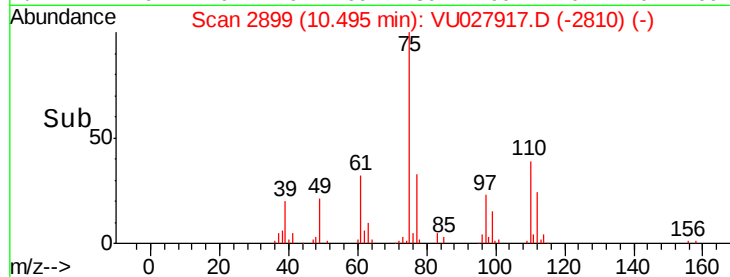
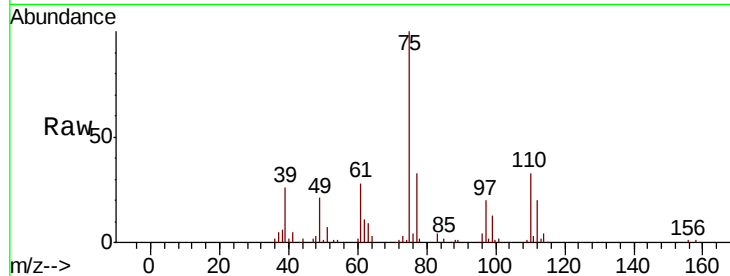
Tot Ion: 75 Resp: 93766

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 19.227 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU027917.D

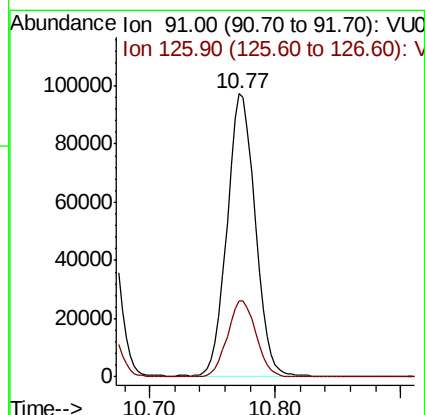
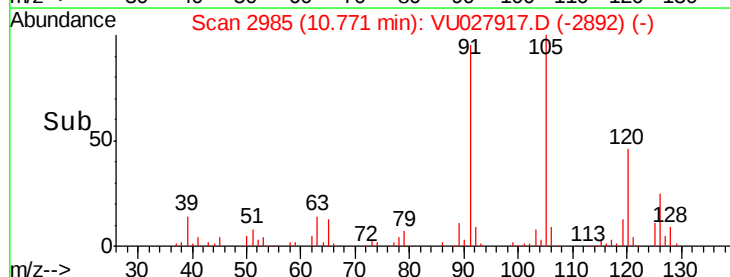
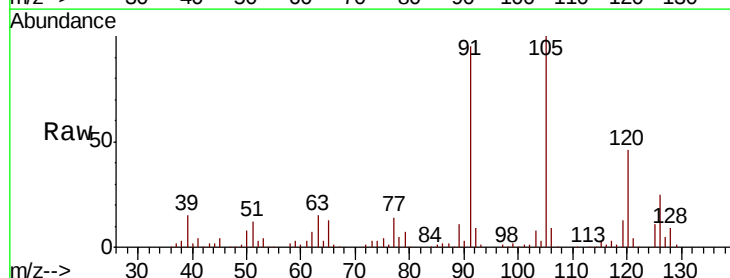
Acq: 02 Nov 2018 11:43

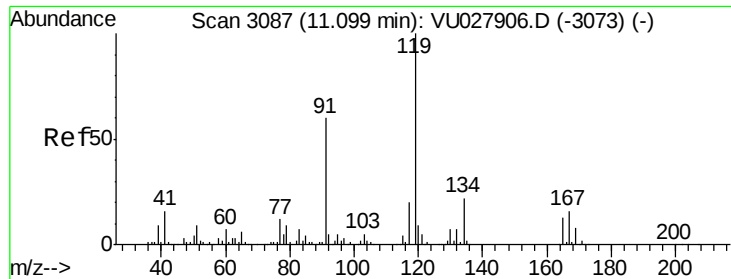
Tgt Ion: 91 Resp: 151118

Ion Ratio Lower Upper

91 100

126 27.5 14.2 42.6

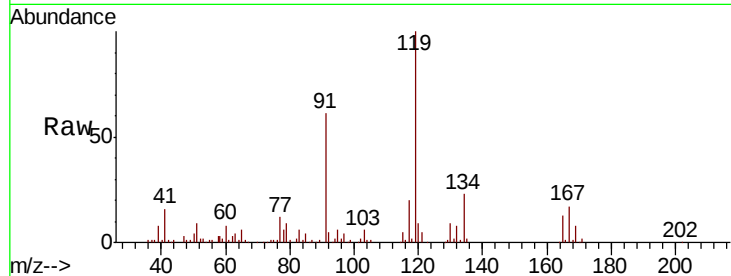




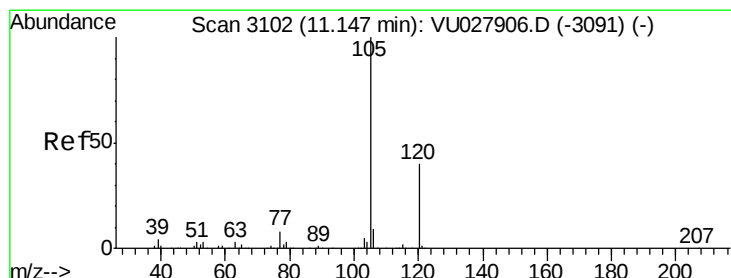
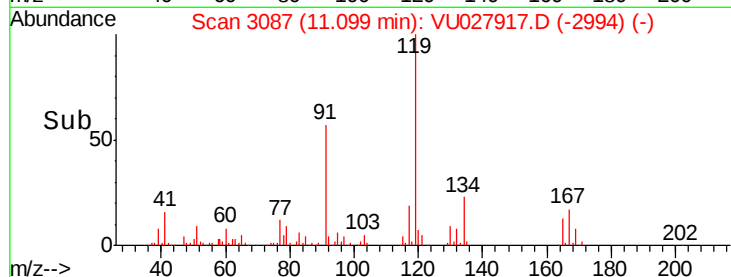
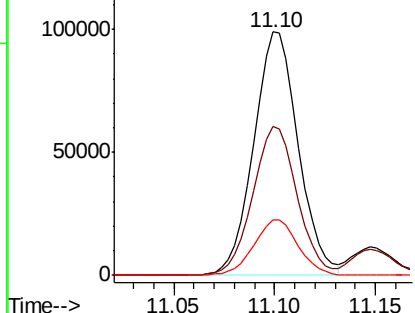
#83
tert-Butylbenzene
Concen: 19.137 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

Tot Ion:119 Resp: 152922
Ion Ratio Lower Upper
119 100
91 60.6 29.8 89.3
134 22.7 11.1 33.1

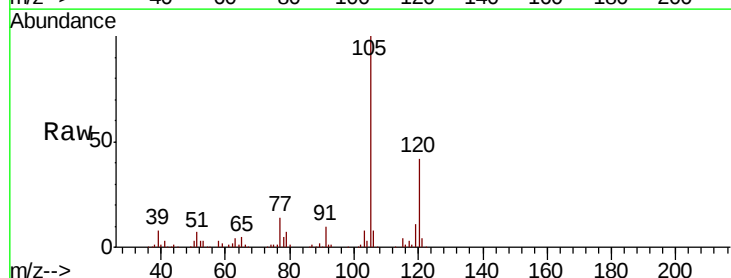


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

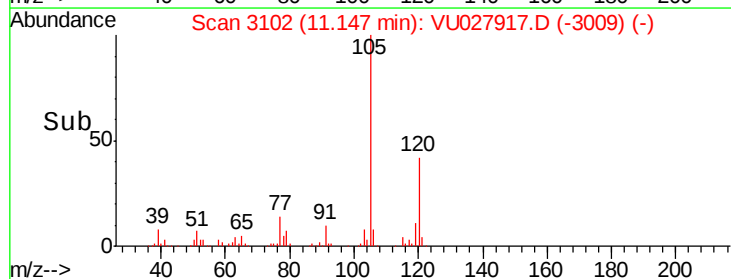
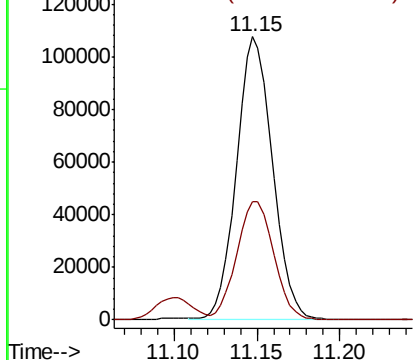


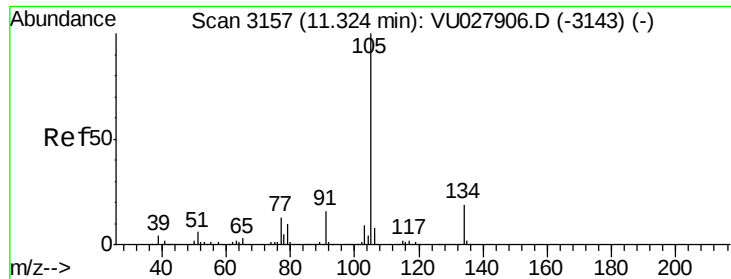
#84
1,2,4-Trimethylbenzene
Concen: 20.039 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion:105 Resp: 161293
Ion Ratio Lower Upper
105 100
120 43.5 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.213 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

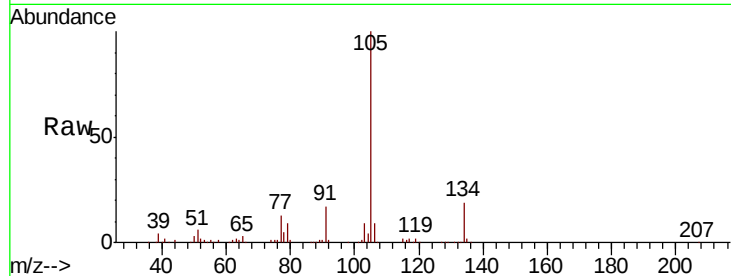
VU1102WBSD01

Tot Ion:105 Resp: 186714

Ion Ratio Lower Upper

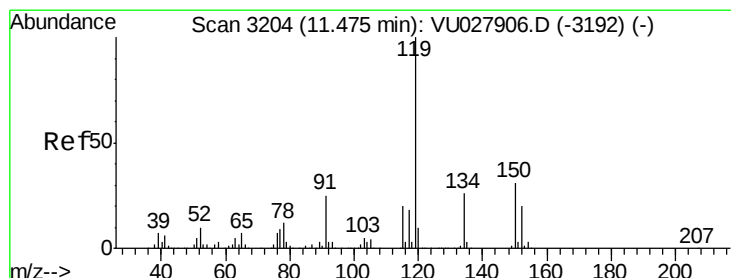
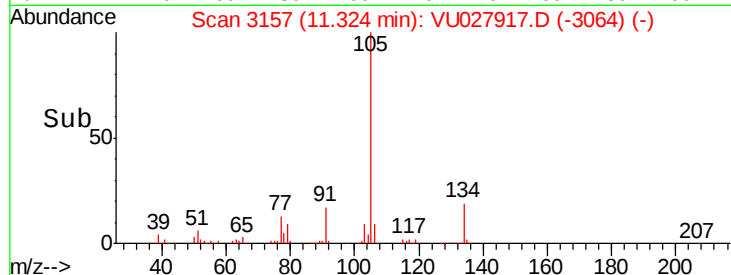
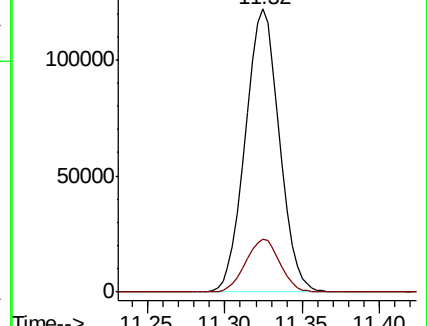
105 100

134 18.7 9.2 27.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.372 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

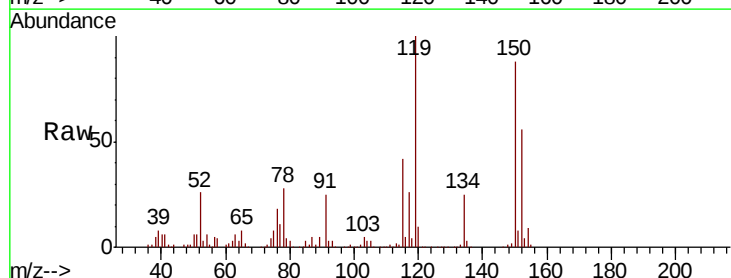
Tgt Ion:119 Resp: 157387

Ion Ratio Lower Upper

119 100

134 25.1 12.9 38.7

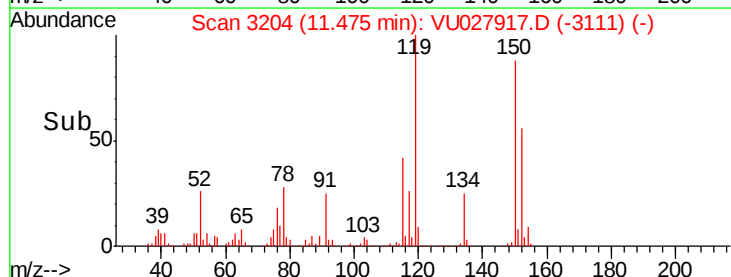
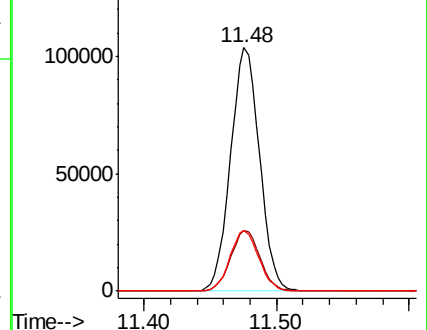
91 24.8 12.4 37.2

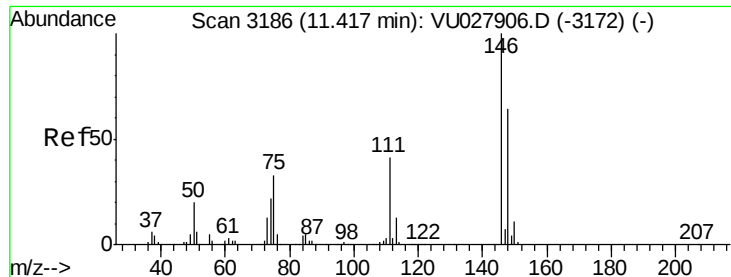


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#87

1,3-Dichlorobenzene

Concen: 19.822 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampled :

VU1102WBSD01

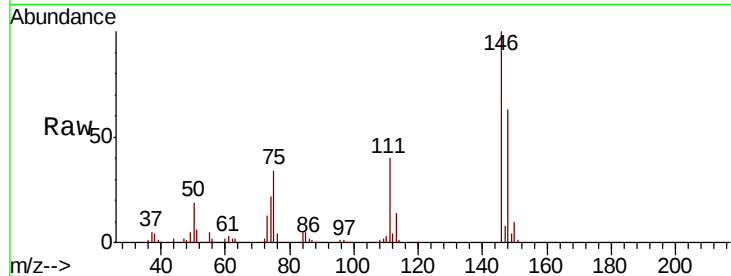
Tot Ion:146 Resp: 81018

Ion Ratio Lower Upper

146 100

111 40.3 20.3 61.0

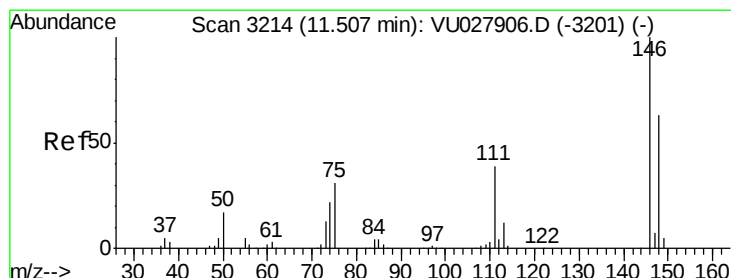
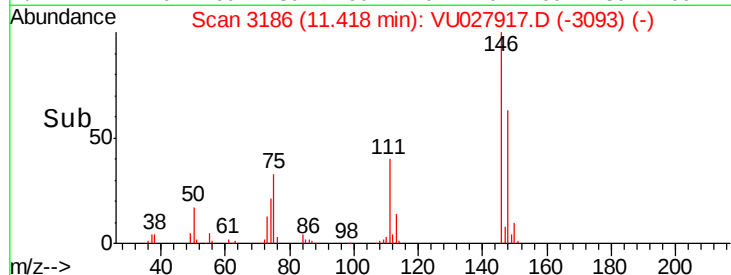
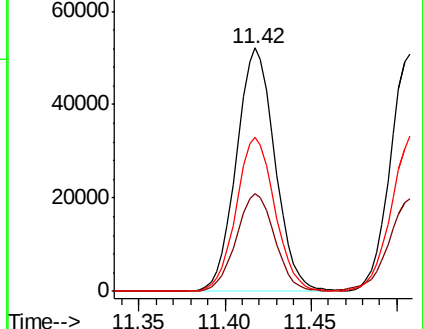
148 63.3 31.8 95.4



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



#88

1,4-Dichlorobenzene

Concen: 19.152 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

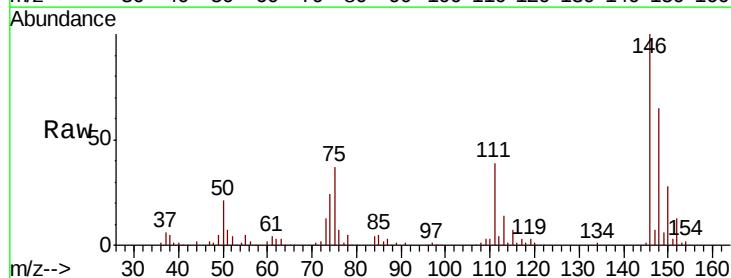
Tgt Ion:146 Resp: 80233

Ion Ratio Lower Upper

146 100

111 41.7 20.3 60.9

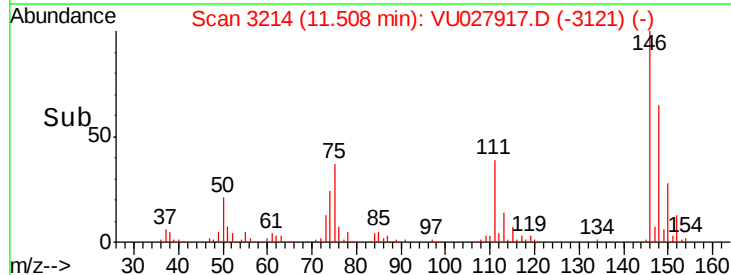
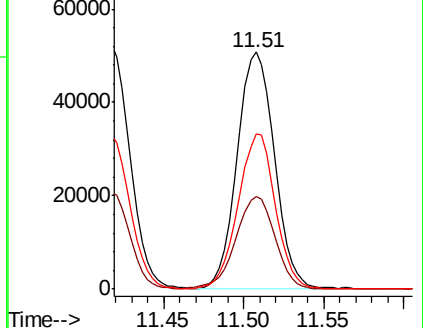
148 65.9 32.0 96.2

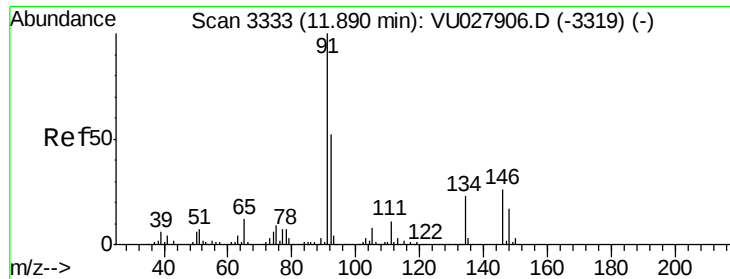


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

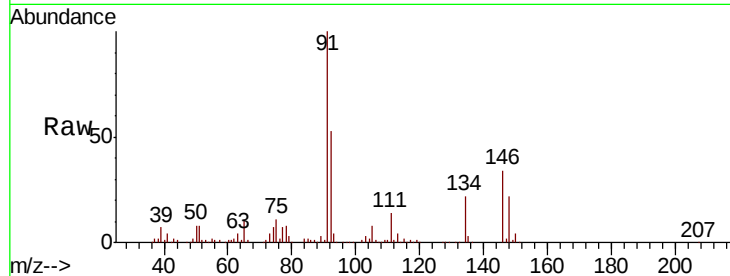




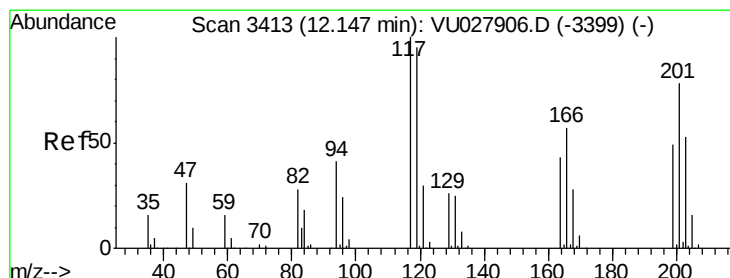
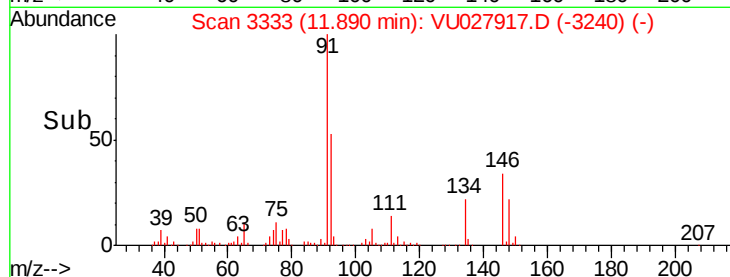
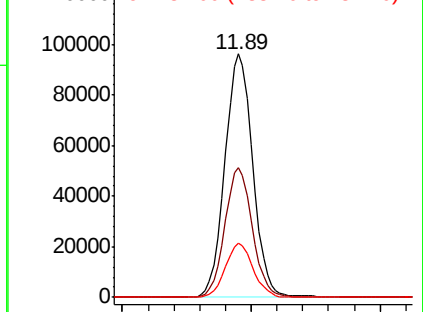
#89
n-Butylbenzene
Concen: 18.633 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBSD01

Tot Ion: 91 Resp: 143866
Ion Ratio Lower Upper
91 100
92 52.7 26.2 78.5
134 22.2 11.5 34.5

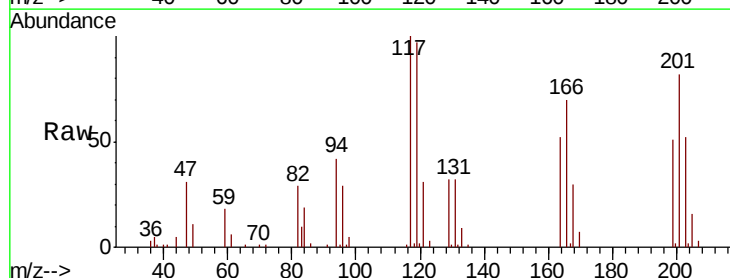


Abundance Ion 91.00 (90.70 to 91.70): VU027906.D (-3319) (-)
Ion 92.00 (91.70 to 92.70): VU027906.D (-3319) (-)
Ion 134.00 (133.70 to 134.70): VU027906.D (-3319) (-)

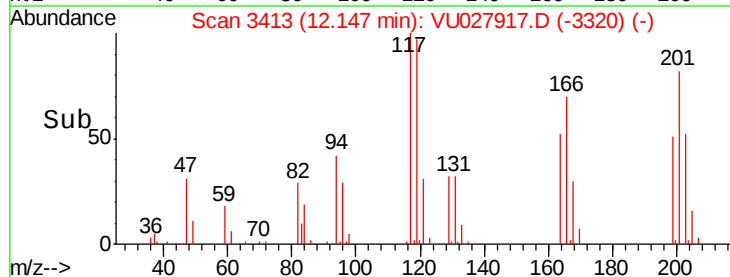
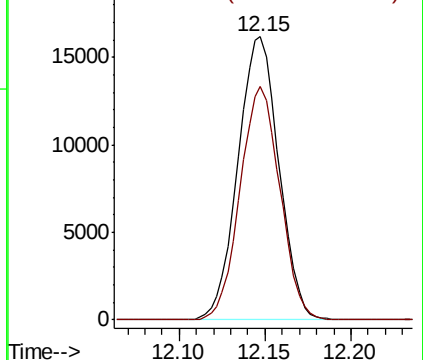


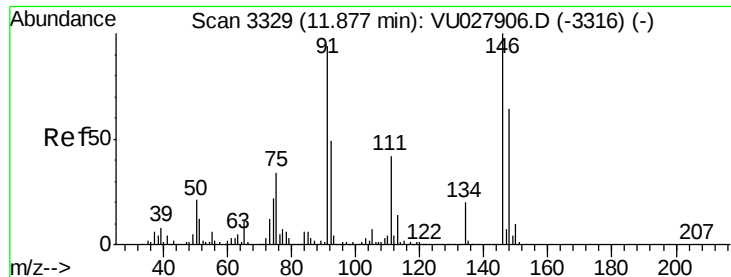
#90
Hexachloroethane
Concen: 18.519 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027917.D
Acq: 02 Nov 2018 11:43

Tgt Ion: 117 Resp: 26786
Ion Ratio Lower Upper
117 100
201 80.1 38.5 115.5



Abundance Ion 116.80 (116.50 to 117.50): VU027906.D (-3399) (-)
Ion 200.70 (200.40 to 201.40): VU027906.D (-3399) (-)

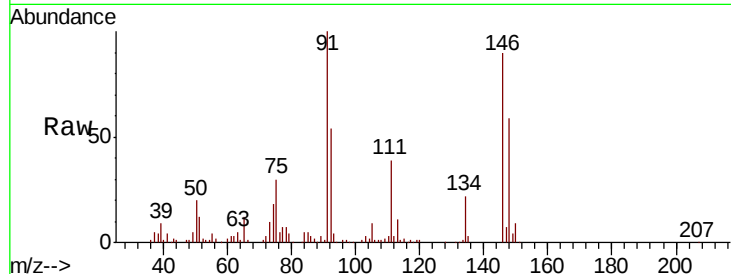




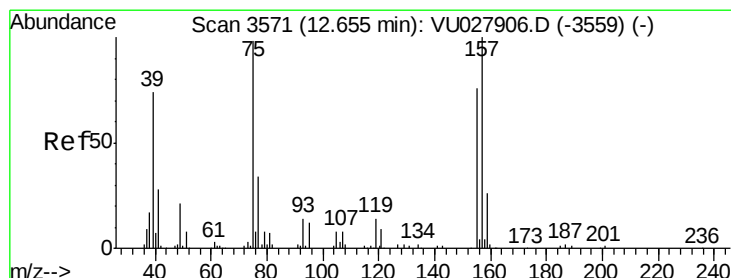
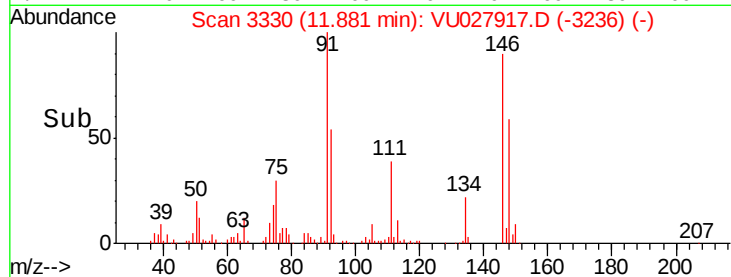
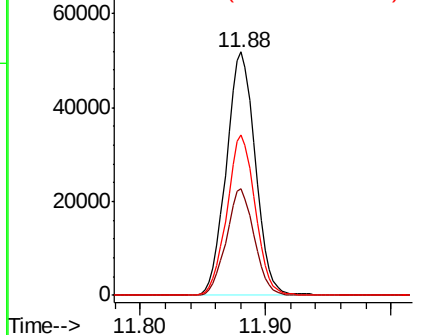
#91
 1,2-Dichlorobenzene
 Concen: 20.198 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBSD01

Tot Ion:146 Resp: 83018
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.3 64.0
 148 64.4 31.8 95.3

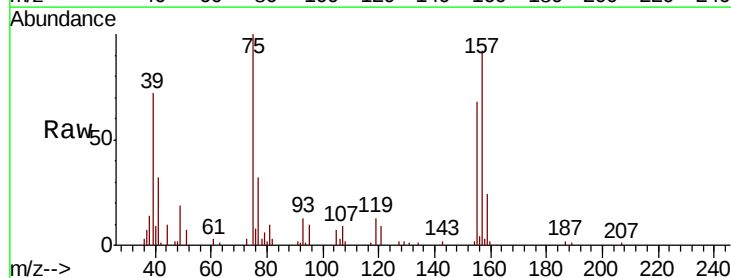


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

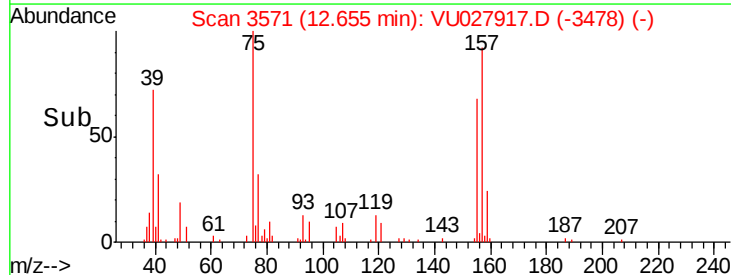
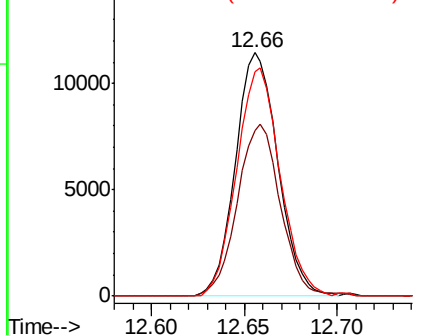


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.241 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Tgt Ion: 75 Resp: 18241
 Ion Ratio Lower Upper
 75 100
 155 71.4 39.8 119.3
 157 95.3 50.6 151.9



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

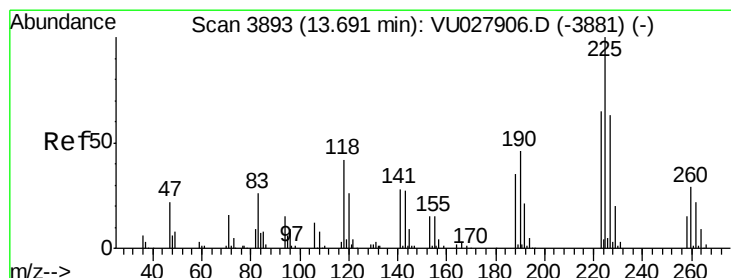
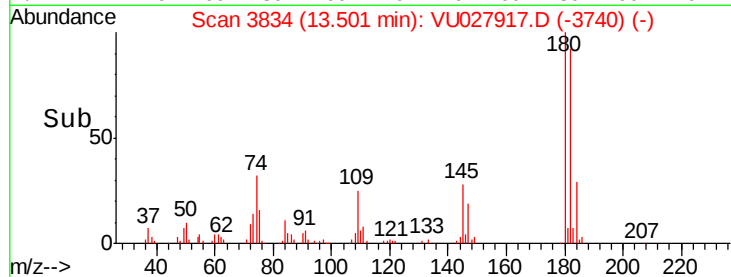
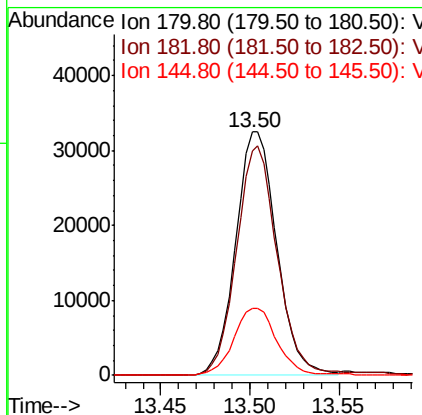
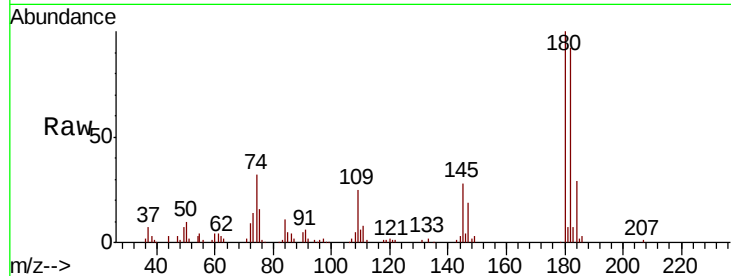




#93
 1,2,4-Trichlorobenzene
 Concen: 18.613 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

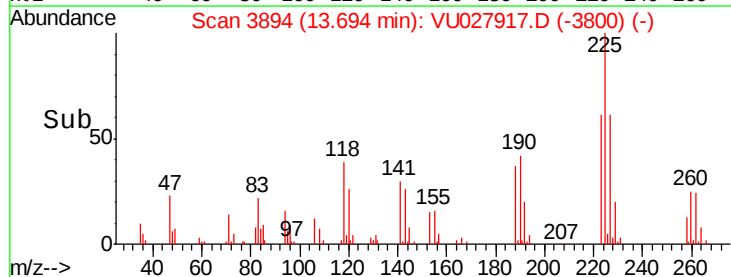
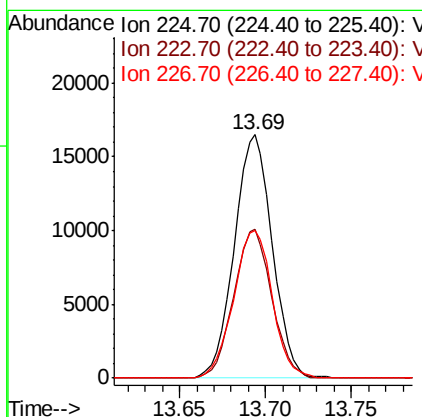
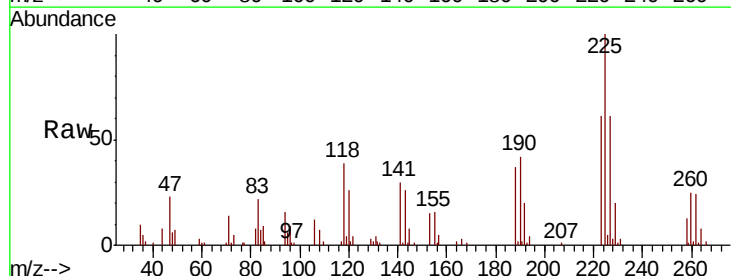
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBSD01

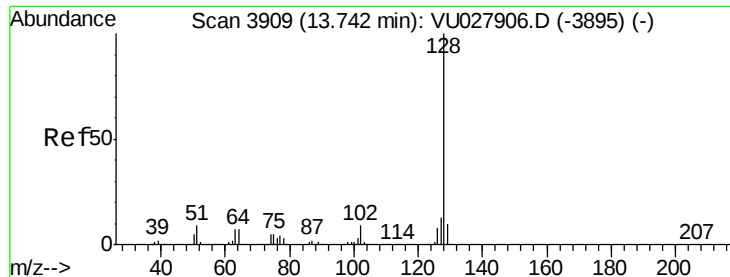
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	48.4	145.2
145	28.8	14.9	44.5



#94
 Hexachlorobutadiene
 Concen: 19.306 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027917.D
 Acq: 02 Nov 2018 11:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	32.2	96.6
227	61.7	32.5	97.4





#95

Naphthalene

Concen: 20.081 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBSD01

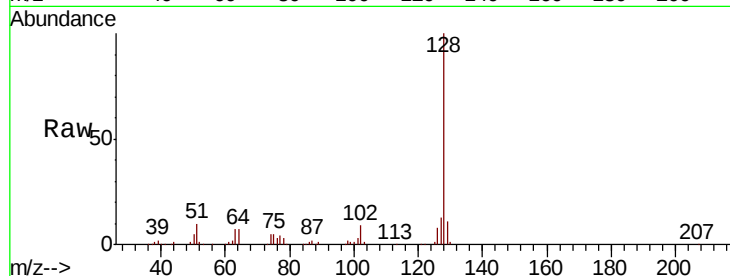
Tot Ion:128 Resp: 206272

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

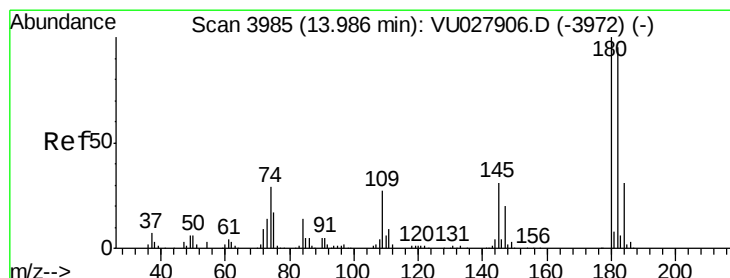
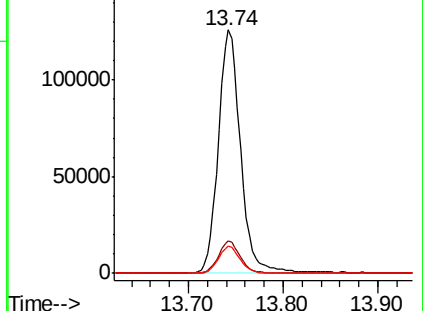
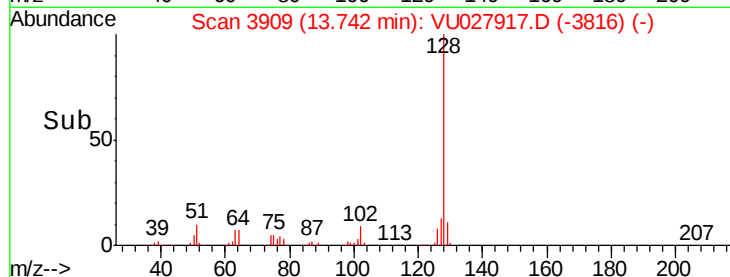
129 10.8 8.3 12.5



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: 20.790 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027917.D

Acq: 02 Nov 2018 11:43

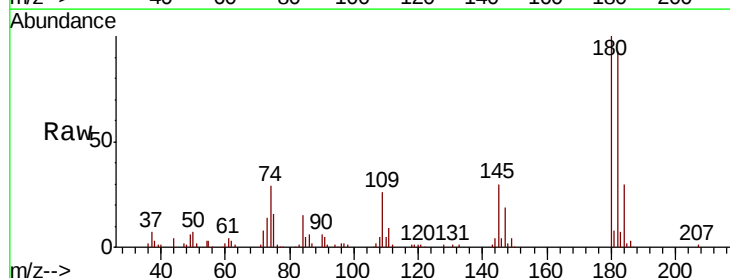
Tgt Ion:180 Resp: 57340

Ion Ratio Lower Upper

180 100

182 94.6 47.4 142.3

145 31.6 16.0 47.9



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

