

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110918\
 Data File : VU028041.D
 Acq On : 09 Nov 2018 13:50
 Operator : MD/SY
 Sample : VU1109WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1109WBSD01

Quant Time: Nov 12 06:14:24 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	181479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	317535	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	294175	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	140373	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	146365	54.25	ug/l	0.00
Spiked Amount			Recovery	=	108.50%	
35) Dibromofluoromethane	4.89	113	106520	53.20	ug/l	0.00
Spiked Amount			Recovery	=	106.40%	
50) Toluene-d8	7.57	98	417471	53.98	ug/l	0.00
Spiked Amount			Recovery	=	107.96%	
62) 4-Bromofluorobenzene	10.31	95	152904	53.60	ug/l	0.00
Spiked Amount			Recovery	=	107.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	37093	16.085	ug/l	96
3) Chloromethane	1.33	50	56623	20.303	ug/l	100
4) Vinyl Chloride	1.40	62	54662	19.748	ug/l	99
5) Bromomethane	1.63	94	26888	25.965	ug/l	96
6) Chloroethane	1.70	64	32812	20.570	ug/l	99
7) Trichlorofluoromethane	1.89	101	63797	19.945	ug/l	97
8) Diethyl Ether	2.11	74	30807	22.494	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.29	101	41218	21.692	ug/l	98
10) Methyl Iodide	2.41	142	30908	22.722	ug/l	98
11) Tert butyl alcohol	2.82	59	72359	101.302	ug/l	99
12) 1,1-Dichloroethene	2.29	96	38096	20.030	ug/l	98
13) Acrolein	2.20	56	21056	75.394	ug/l	98
14) Allyl chloride	2.60	41	89410	19.234	ug/l	96
15) Acrylonitrile	2.94	53	185255	105.583	ug/l	100
16) Acetone	2.32	43	187197	111.824	ug/l	98
17) Carbon Disulfide	2.48	76	117504	18.901	ug/l	99
18) Methyl Acetate	2.62	43	94557	20.534	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	158085	20.610	ug/l	100
20) Methylene Chloride	2.70	84	50262	20.564	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	43519	19.827	ug/l	96
22) Diisopropyl ether	3.58	45	197015	20.529	ug/l	96
23) Vinyl Acetate	3.53	43	842583	102.156	ug/l	99
24) 1,1-Dichloroethane	3.45	63	95735	20.027	ug/l	100
25) 2-Butanone	4.26	43	277724	104.281	ug/l	99
26) 2,2-Dichloropropane	4.23	77	74146	20.669	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	50302	20.436	ug/l	95
28) Bromochloromethane	4.55	49	49183	21.947	ug/l	99
29) Tetrahydrofuran	4.64	42	174955	98.381	ug/l	99
30) Chloroform	4.68	83	87157	19.885	ug/l	100
31) Cyclohexane	5.00	56	97201	19.697	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	71263	20.425	ug/l	99
36) 1,1-Dichloropropene	5.14	75	64955	19.532	ug/l	98
37) Ethyl Acetate	4.38	43	95419	19.582	ug/l	98
38) Carbon Tetrachloride	5.14	117	56475	19.162	ug/l	97

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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)
39) Methylcyclohexane	6.42	83	80979	20.189	ug/l	96
40) Benzene	5.39	78	206593	20.318	ug/l	99
41) Methacrylonitrile	4.55	41	55417	21.310	ug/l	99
42) 1,2-Dichloroethane	5.41	62	73489	20.333	ug/l	98
43) Isopropyl Acetate	5.55	43	152052	19.917	ug/l	99
44) Trichloroethene	6.19	130	44355	20.294	ug/l	98
45) 1,2-Dichloropropane	6.43	63	60024	20.470	ug/l	99
46) Dibromomethane	6.56	93	34107	20.235	ug/l	98
47) Bromodichloromethane	6.76	83	65177	20.066	ug/l	96
48) Methyl methacrylate	6.62	41	79361	21.213	ug/l	99
49) 1,4-Dioxane	6.61	88	26135	428.186	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	508527	99.742	ug/l	99
52) Toluene	7.64	92	122023	20.413	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	76178	19.607	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	84225	21.034	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	48761	20.050	ug/l	98
56) Ethyl methacrylate	8.02	69	88702	20.683	ug/l	98
57) 1,3-Dichloropropane	8.24	76	90231	20.368	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	243802	106.143	ug/l	100
59) 2-Hexanone	8.36	43	399243	101.247	ug/l	99
60) Dibromochloromethane	8.48	129	45970	19.976	ug/l	100
61) 1,2-Dibromoethane	8.59	107	53987	20.892	ug/l	99
64) Tetrachloroethene	8.23	164	37504	19.661	ug/l	98
65) Chlorobenzene	9.12	112	124036	19.957	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	42650	20.091	ug/l	100
67) Ethyl Benzene	9.25	91	230407	20.140	ug/l	100
68) m/p-Xylenes	9.38	106	169625	40.865	ug/l	100
69) o-Xylene	9.78	106	83780	19.988	ug/l	99
70) Styrene	9.79	104	136744	20.418	ug/l	99
71) Bromoform	9.96	173	34429	19.352	ug/l #	98
73) Isopropylbenzene	10.17	105	225970	20.780	ug/l	100
74) N-amyl acetate	10.01	43	135309	20.577	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	88380	20.148	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	103245	26.889	ug/l	85
77) Bromobenzene	10.45	156	50241	20.148	ug/l	96
78) n-propylbenzene	10.59	91	269036	20.668	ug/l	99
79) 2-Chlorotoluene	10.66	91	159305	20.418	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	183556	20.376	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	103245	67.047	ug/l #	100
82) 4-Chlorotoluene	10.77	91	177777	20.070	ug/l	99
83) tert-Butylbenzene	11.10	119	181413	20.144	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	185153	20.411	ug/l	100
85) sec-Butylbenzene	11.32	105	225831	20.619	ug/l	100
86) p-Isopropyltoluene	11.48	119	188909	20.632	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	93408	20.278	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	93817	19.871	ug/l	99
89) n-Butylbenzene	11.89	91	176231	20.253	ug/l	100
90) Hexachloroethane	12.14	117	31762	19.485	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	95993	20.723	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19326	20.909	ug/l	95

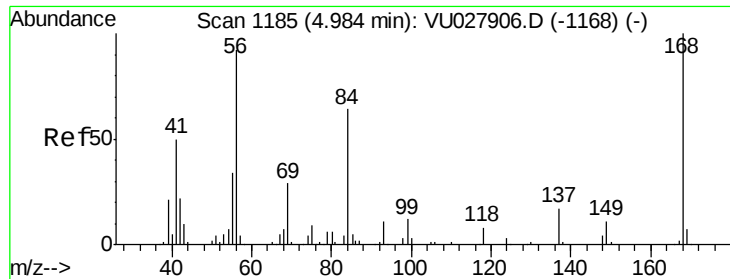
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110918\
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Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	59652	18.795	ug/l	99
94) Hexachlorobutadiene	13.69	225	30412	20.657	ug/l	97
95) Naphthalene	13.74	128	219515	18.952	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	62283	20.037	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

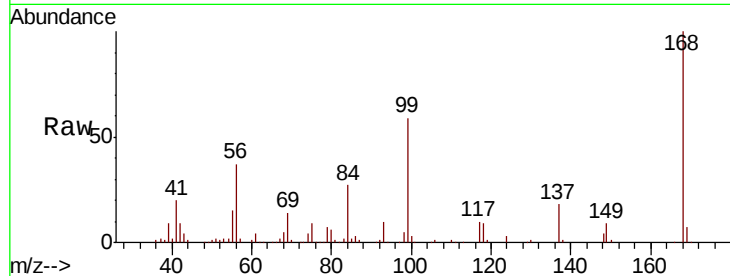
VU1109WBSD01

Tot Ion:168 Resp: 181479

Ion Ratio Lower Upper

168 100

99 59.0 47.9 71.9



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

Ion 98.90 (98.60 to 99.60): VU028041.D (-1092) (-)

4.99

80000

60000

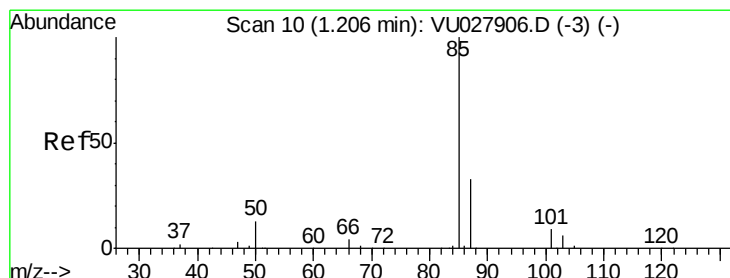
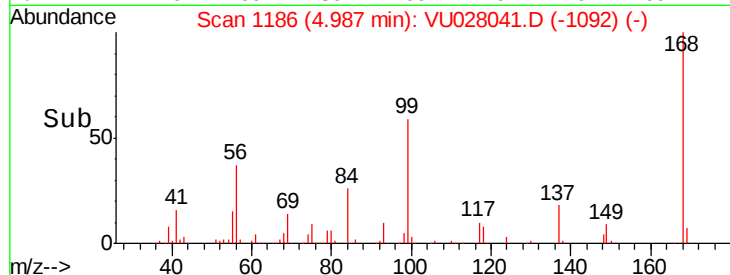
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 16.085 ug/l

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU028041.D

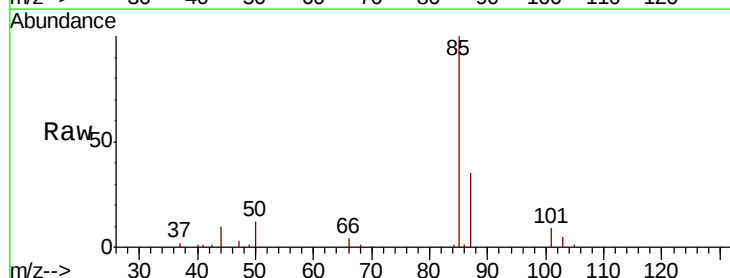
Acq: 09 Nov 2018 13:50

Tgt Ion: 85 Resp: 37093

Ion Ratio Lower Upper

85 100

87 35.0 16.5 49.5



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

Ion 86.90 (86.60 to 87.60): VU028041.D (-1) (-)

1.21

40000

30000

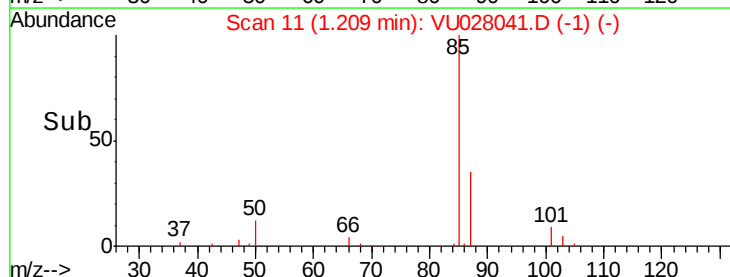
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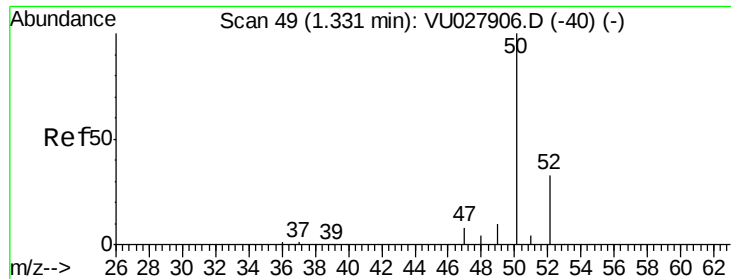
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1.20 1.21 1.22 1.23 1.24 1.25

Time-->

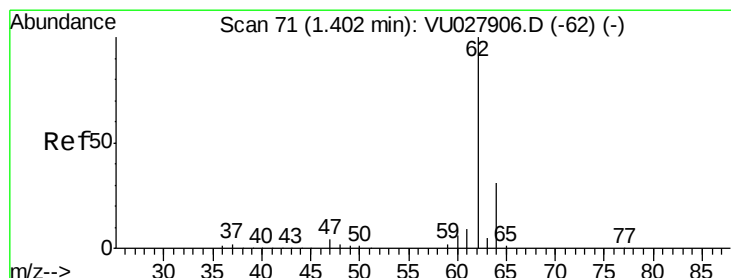
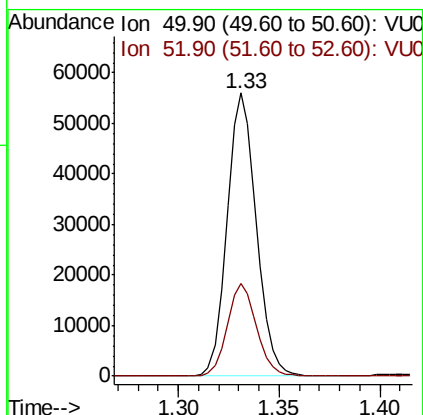
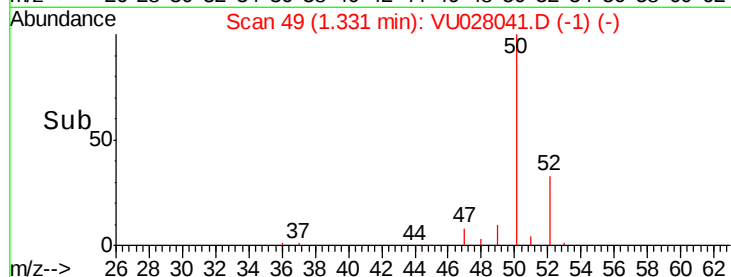
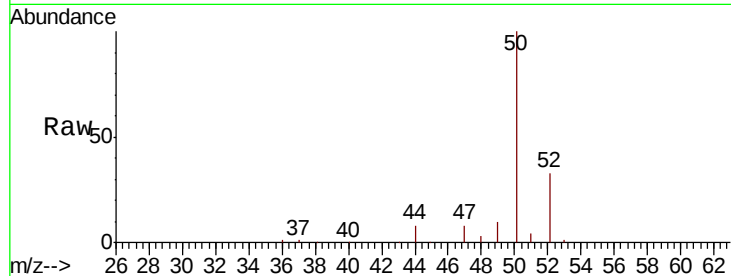




#3
Chloromethane
Concen: 20.303 ug/l
RT: 1.33 min Scan# 49
Delta R.T. -0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

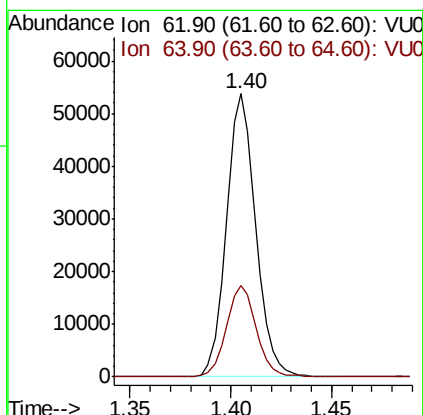
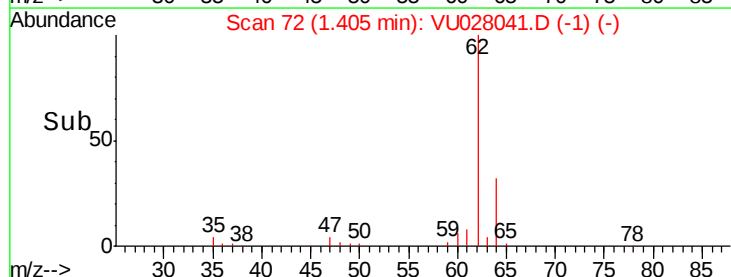
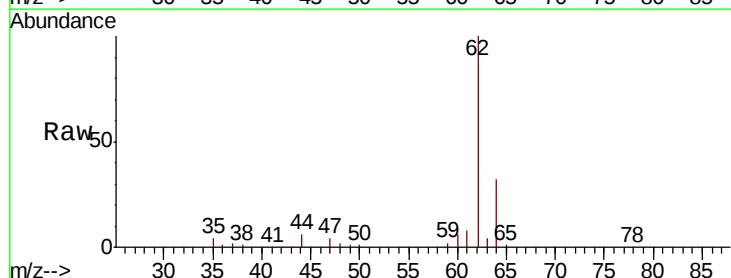
Instrument :
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VU1109WBSD01

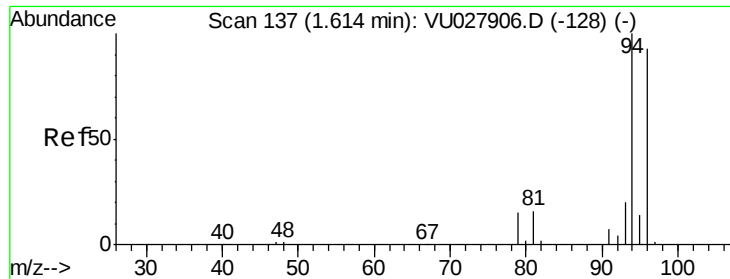
Tot Ion: 50 Resp: 56623
Ion Ratio Lower Upper
50 100
52 32.6 26.2 39.4



#4
Vinyl Chloride
Concen: 19.748 ug/l
RT: 1.40 min Scan# 72
Delta R.T. 0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

Tgt Ion: 62 Resp: 54662
Ion Ratio Lower Upper
62 100
64 32.1 25.2 37.8

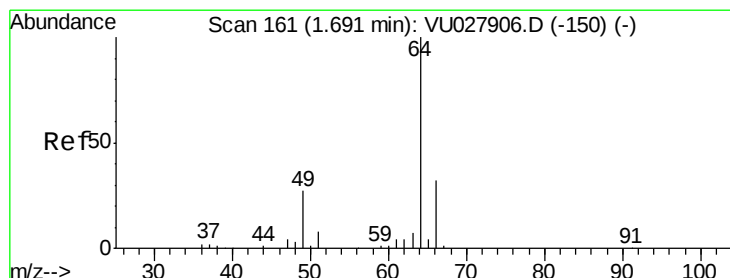
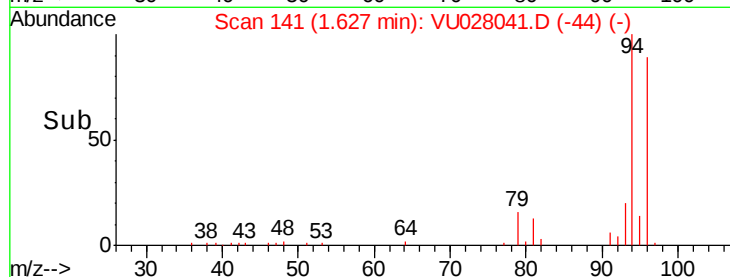
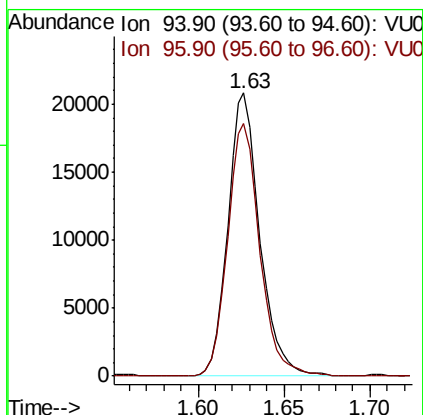
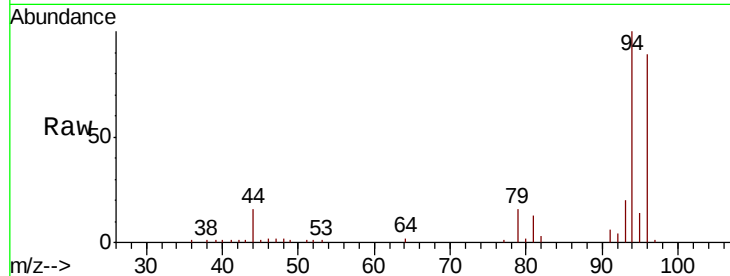




#5
Bromomethane
Concen: 25.965 ug/l
RT: 1.63 min Scan# 141
Delta R.T. 0.01 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

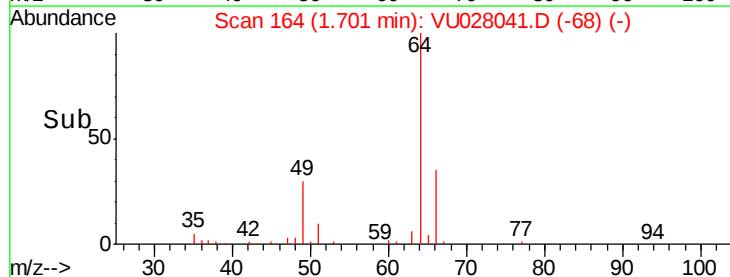
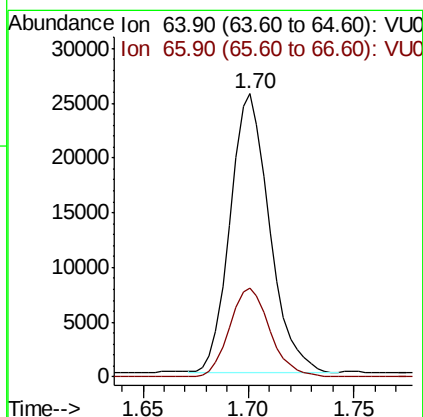
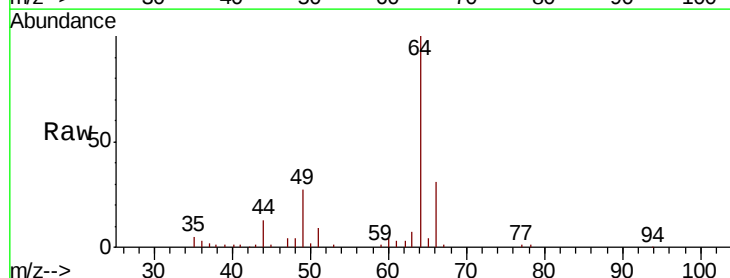
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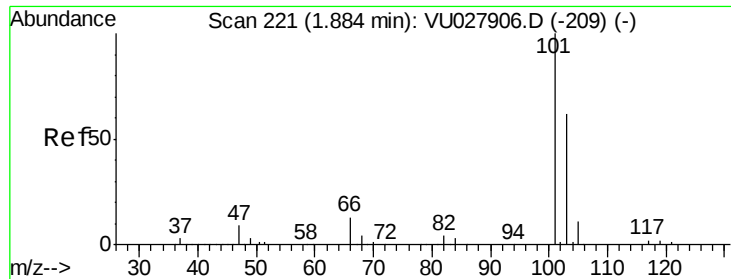
Tot Ion: 94 Resp: 26888
Ion Ratio Lower Upper
94 100
96 89.3 74.8 112.2



#6
Chloroethane
Concen: 20.570 ug/l
RT: 1.70 min Scan# 164
Delta R.T. 0.01 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

Tgt Ion: 64 Resp: 32812
Ion Ratio Lower Upper
64 100
66 32.0 25.9 38.9



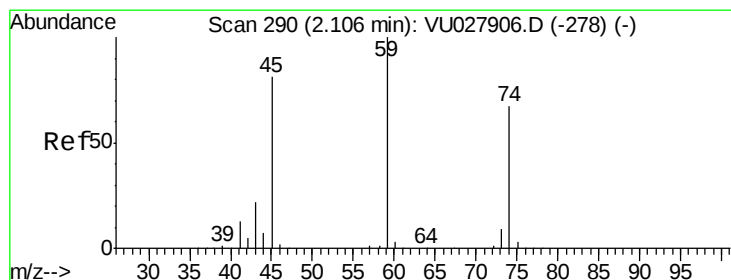
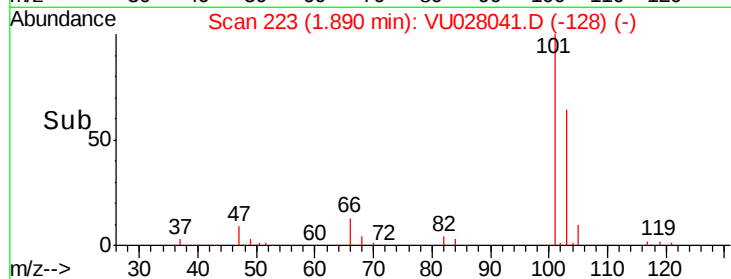
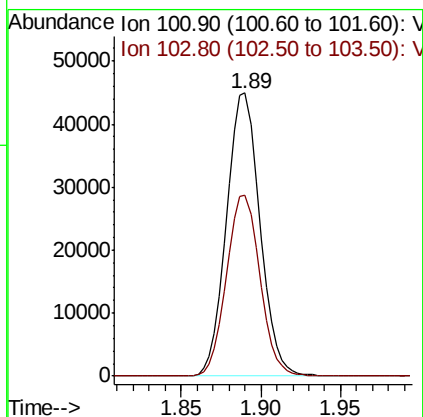
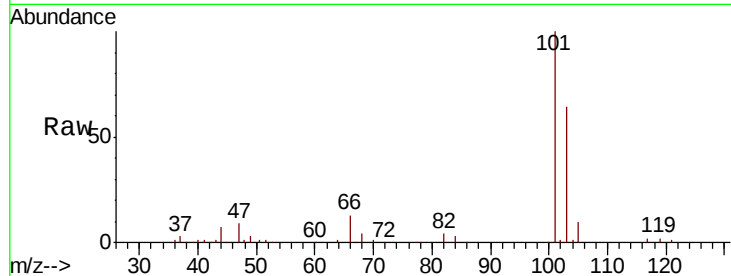


#7

Trichlorofluoromethane
Concen: 19.945 ug/l
RT: 1.89 min Scan# 223
Delta R.T. 0.01 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

Instrument :
MSVOA_U
ClientSampleId :
VU1109WBSD01

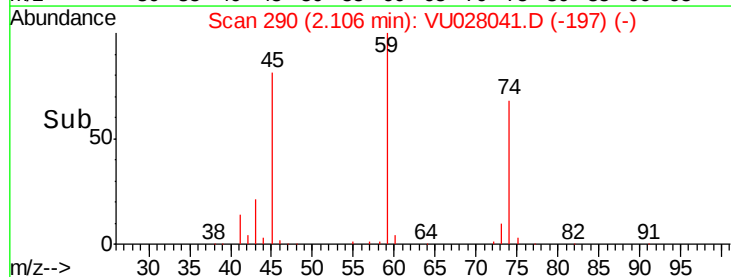
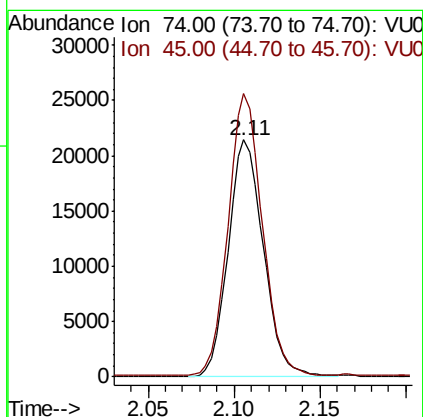
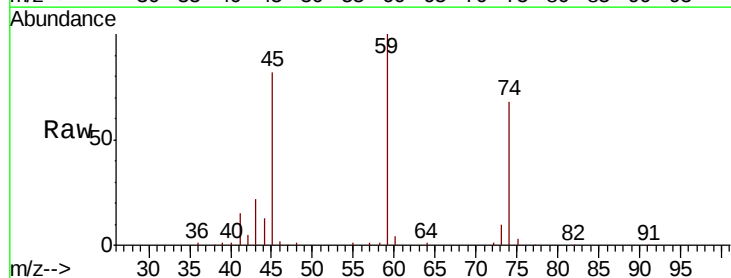
Tot Ion:101 Resp: 63797
Ion Ratio Lower Upper
101 100
103 64.0 49.4 74.2

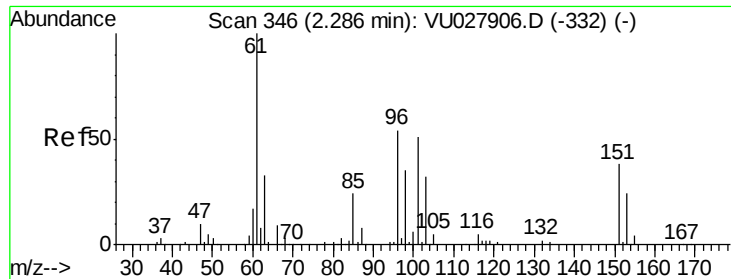


#8

Diethyl Ether
Concen: 22.494 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

Tgt Ion: 74 Resp: 30807
Ion Ratio Lower Upper
74 100
45 114.9 60.5 181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.692 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

VU1109WBSD01

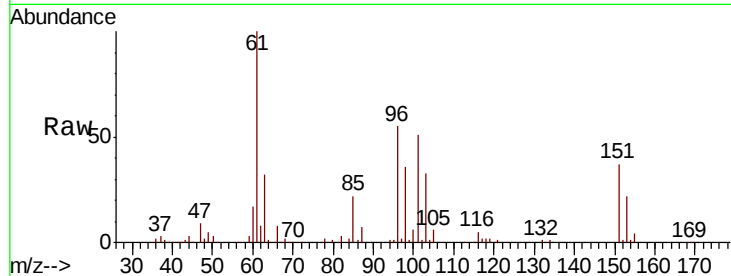
Tot Ion:101 Resp: 41218

Ion Ratio Lower Upper

101 100

85 44.1 36.9 55.3

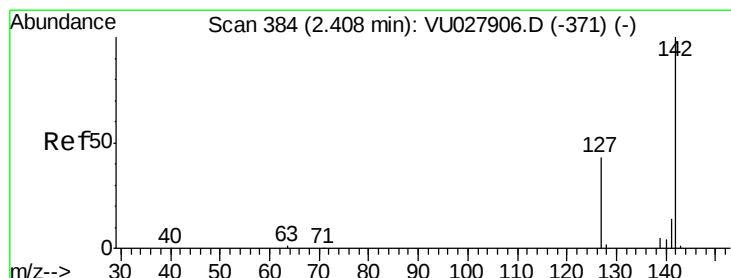
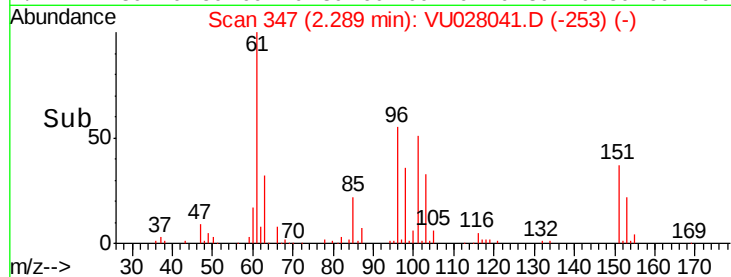
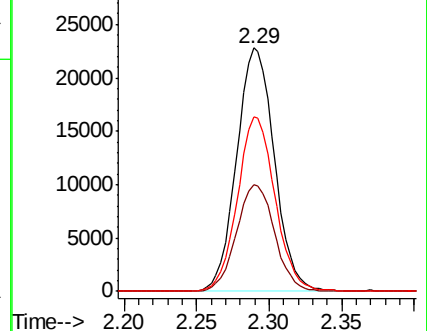
151 71.4 58.0 87.0



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: 22.722 ug/l

RT: 2.41 min Scan# 386

Delta R.T. 0.01 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

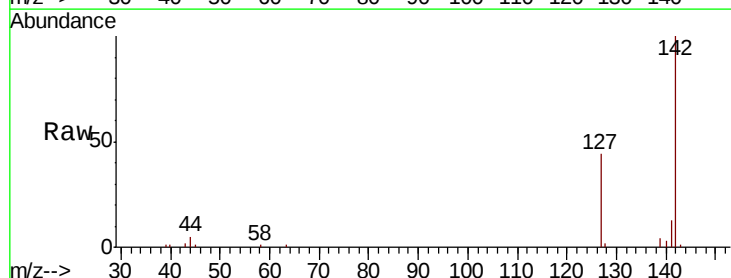
Tgt Ion:142 Resp: 30908

Ion Ratio Lower Upper

142 100

127 43.1 35.2 52.8

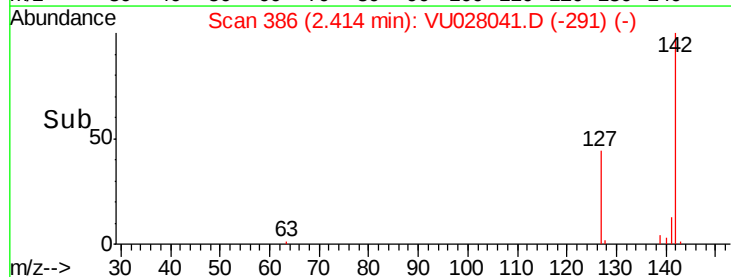
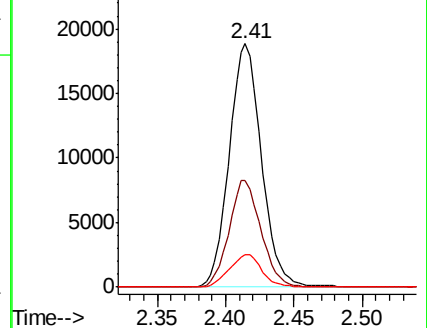
141 13.4 11.8 17.8

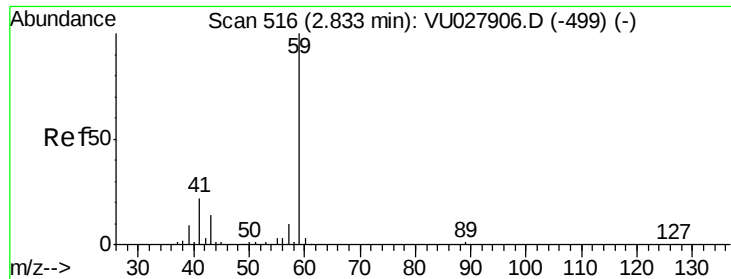


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

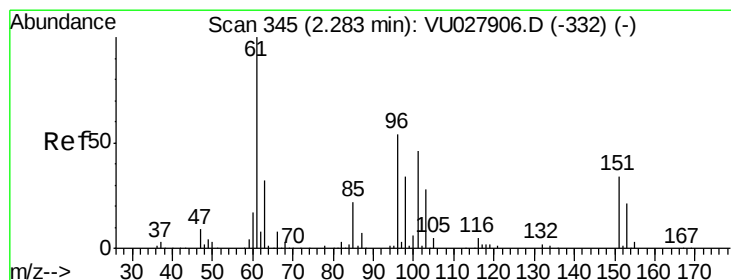
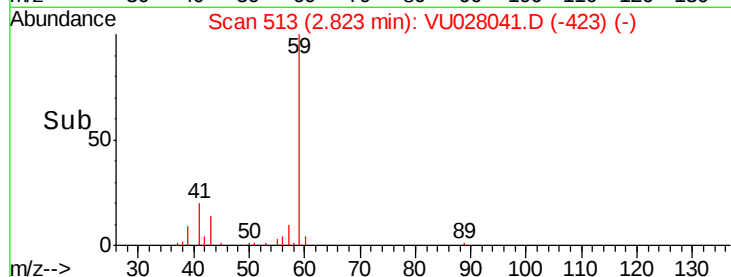
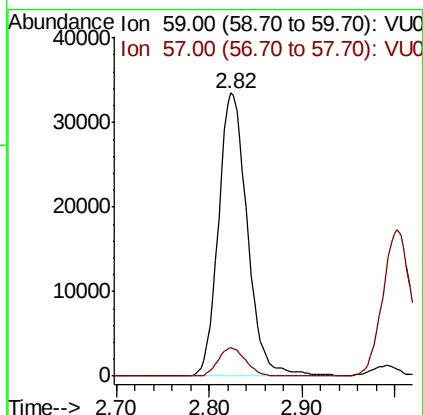
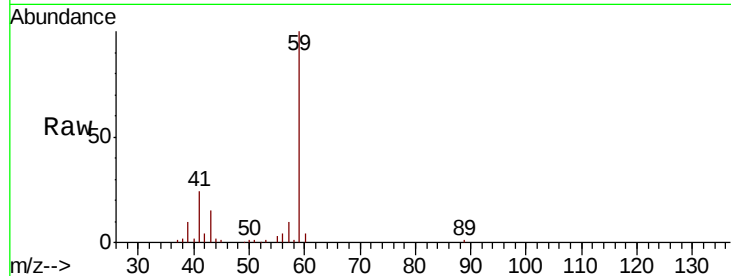




#11
Tert butyl alcohol
Concen: 101.302 ug/l
RT: 2.82 min Scan# 513
Delta R.T. -0.01 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

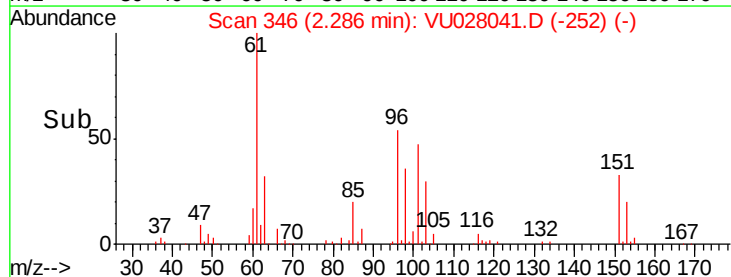
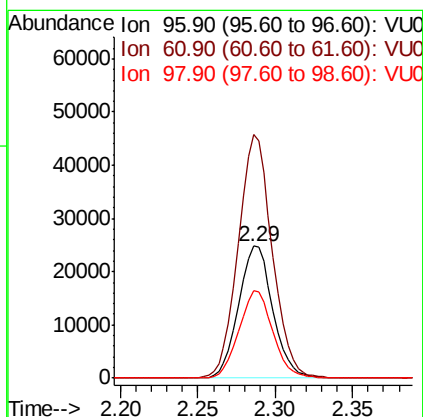
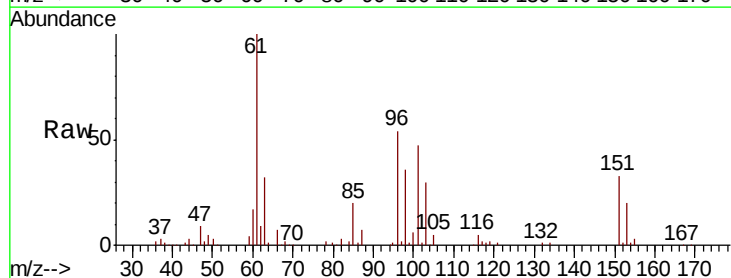
Instrument :
MSVOA_U
ClientSampleId :
VU1109WBSD01

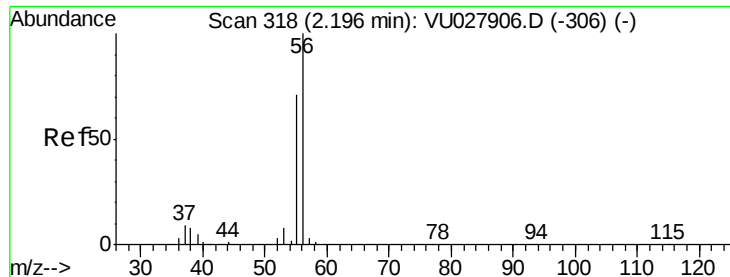
Tot Ion: 59 Resp: 72359
Ion Ratio Lower Upper
59 100
57 9.4 7.8 11.8



#12
1,1-Dichloroethene
Concen: 20.030 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

Tgt Ion: 96 Resp: 38096
Ion Ratio Lower Upper
96 100
61 184.9 149.3 223.9
98 66.0 50.6 75.8





#13

Acrolein

Concen: 75.394 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

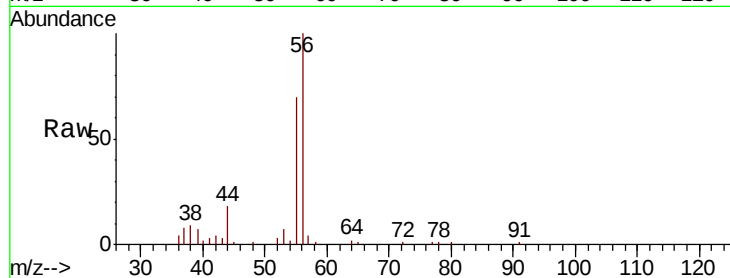
VU1109WBSD01

Tot Ion: 56 Resp: 21056

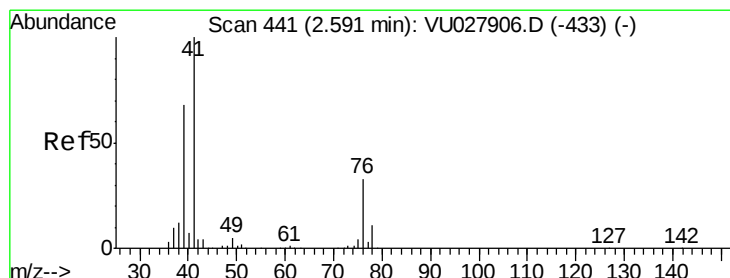
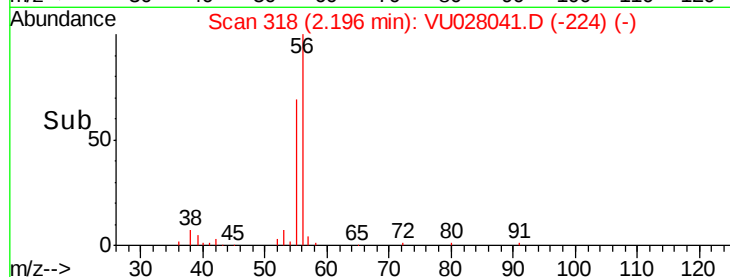
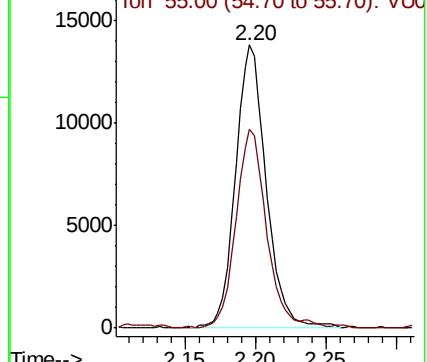
Ion Ratio Lower Upper

56 100

55 69.1 56.2 84.4



Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-306) (-)



#14

Allyl chloride

Concen: 19.234 ug/l

RT: 2.60 min Scan# 443

Delta R.T. 0.01 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

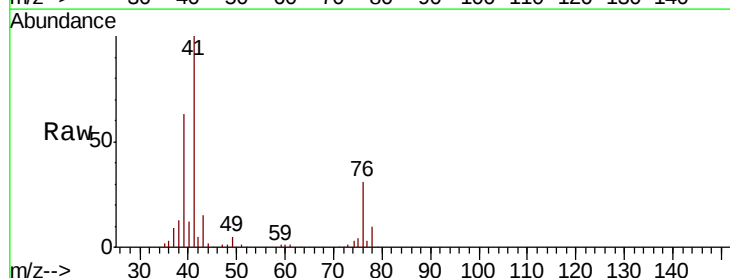
Tgt Ion: 41 Resp: 89410

Ion Ratio Lower Upper

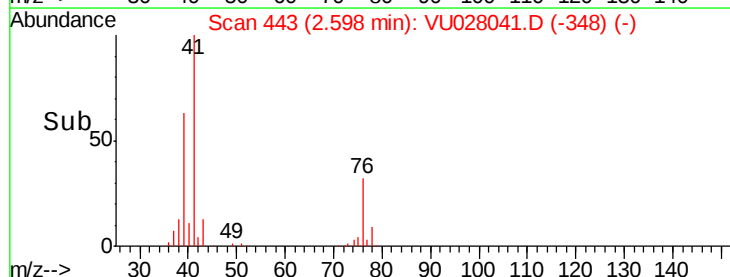
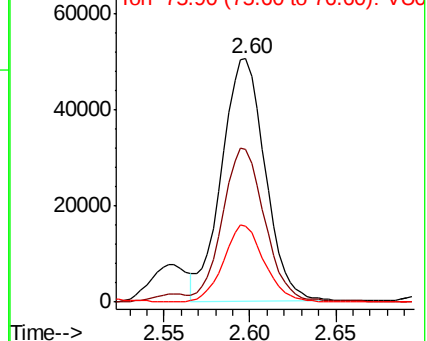
41 100

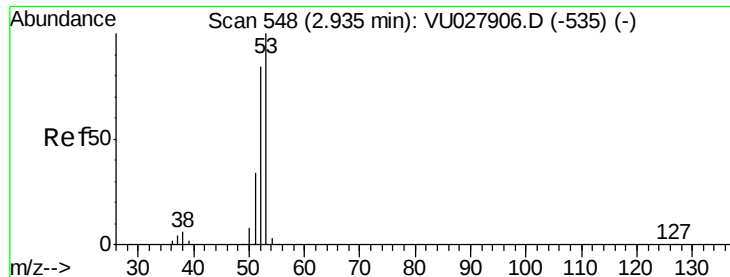
39 60.9 51.9 77.9

76 30.0 23.8 35.6



Abundance Ion 41.00 (40.70 to 41.70): VU027906.D (-433) (-)





#15

Acrylonitrile

Concen: 105.583 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

VU1109WBSD01

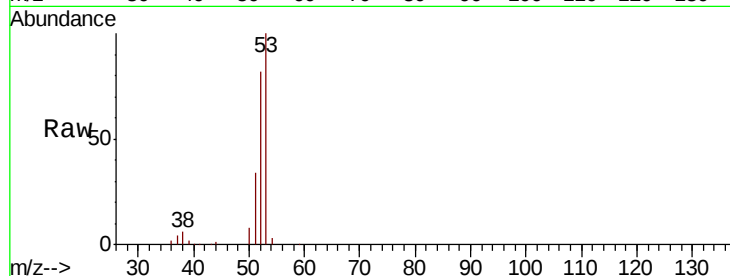
Tot Ion: 53 Resp: 185255

Ion Ratio Lower Upper

53 100

52 82.5 66.2 99.2

51 33.6 27.0 40.4



Abundance Ion 53.00 (52.70 to 53.70): VU027906.D (-535) (-)

Ion 52.00 (51.70 to 52.70): VU027906.D (-535) (-)

Ion 51.00 (50.70 to 51.70): VU027906.D (-535) (-)

2.94

120000

100000

80000

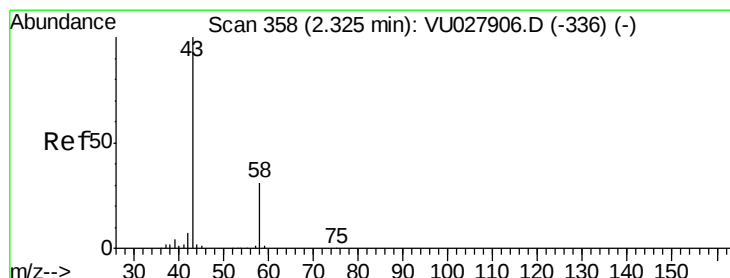
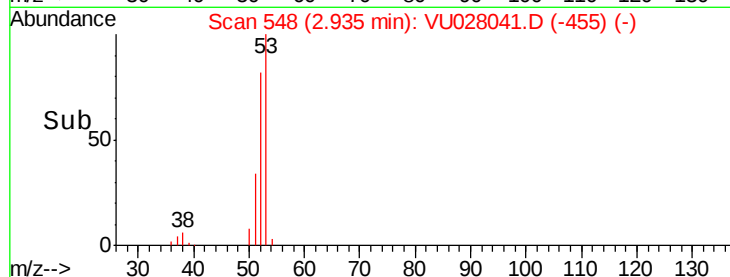
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 111.824 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028041.D

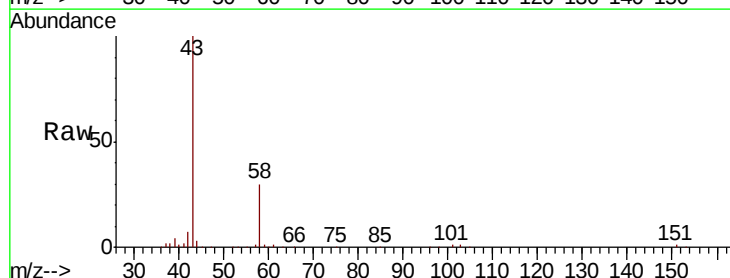
Acq: 09 Nov 2018 13:50

Tgt Ion: 43 Resp: 187197

Ion Ratio Lower Upper

43 100

58 29.9 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-336) (-)

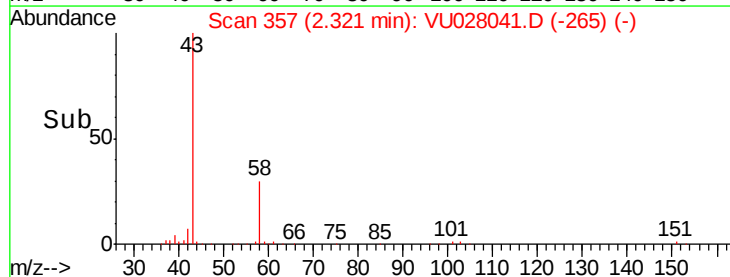
2.32

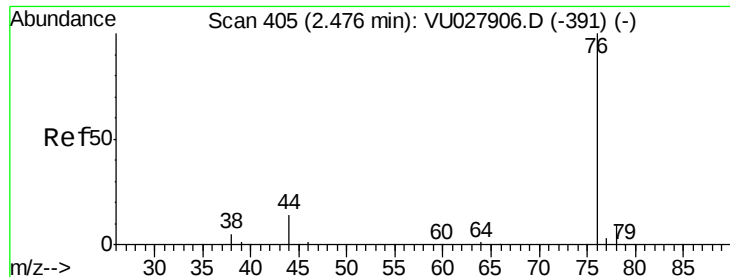
100000

50000

0

Time-->





#17

Carbon Disulfide

Concen: 18.901 ug/l

RT: 2.48 min Scan# 407

Delta R.T. 0.01 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

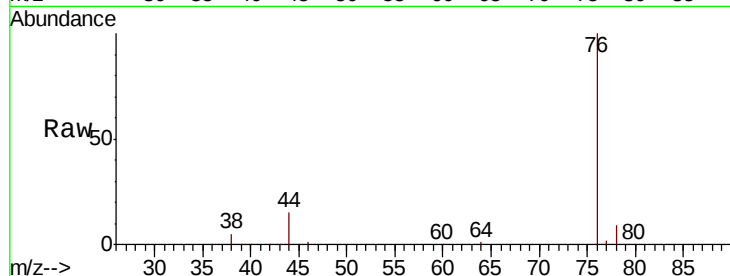
VU1109WBSD01

Tot Ion: 76 Resp: 117504

Ion Ratio Lower Upper

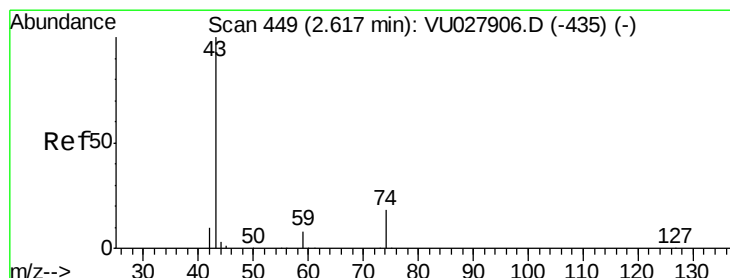
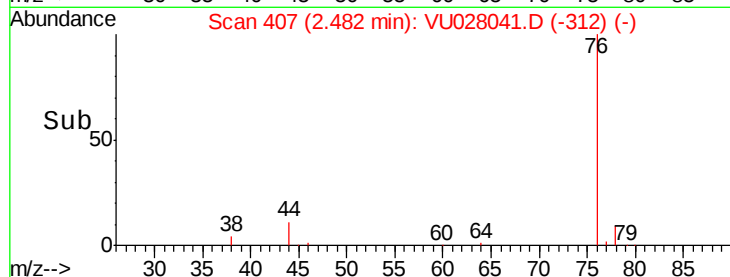
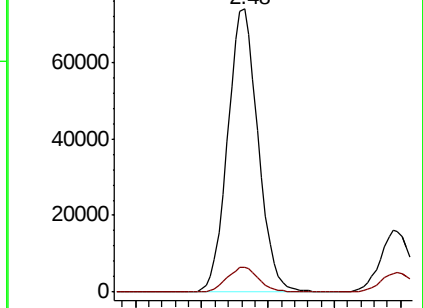
76 100

78 9.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VU027906.D (-391) (-)

Ion 77.90 (77.60 to 78.60): VU028041.D (-312) (-)



#18

Methyl Acetate

Concen: 20.534 ug/l

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU028041.D

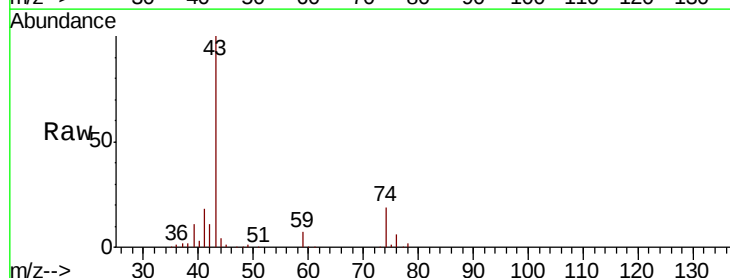
Acq: 09 Nov 2018 13:50

Tgt Ion: 43 Resp: 94557

Ion Ratio Lower Upper

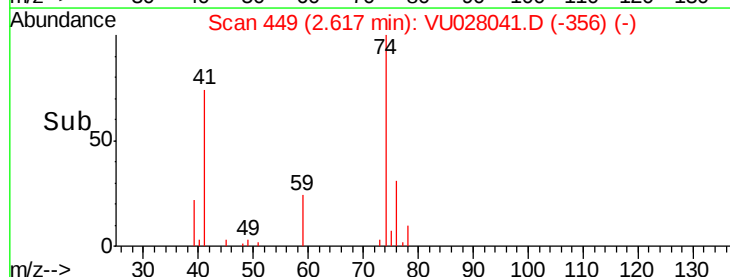
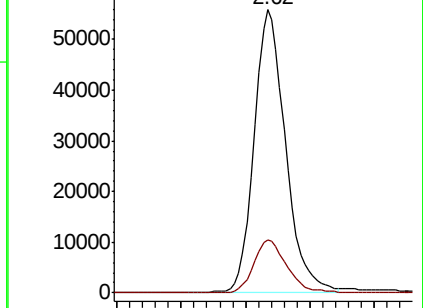
43 100

74 19.9 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-435) (-)

Ion 74.00 (73.70 to 74.70): VU028041.D (-356) (-)



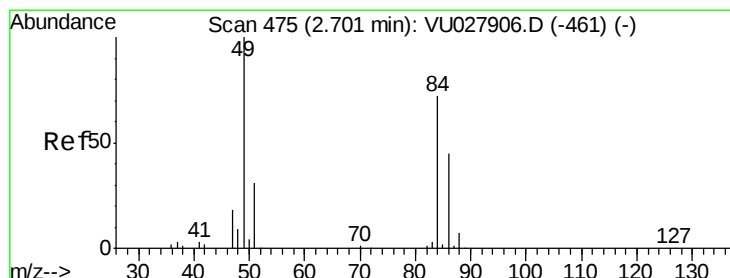
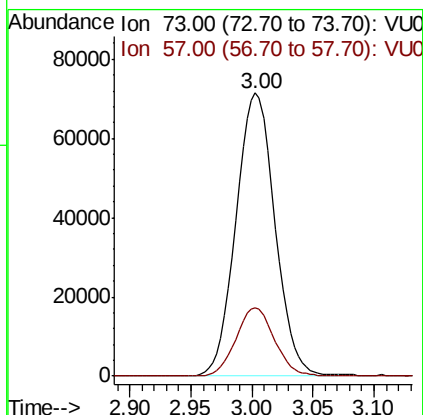
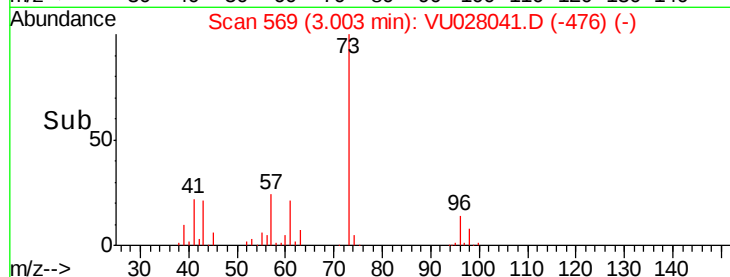
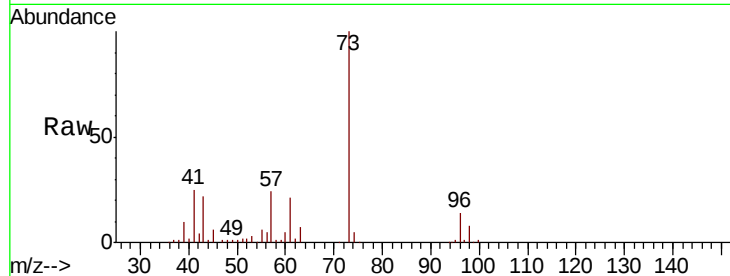


#19

Methyl tert-butyl Ether
 Concen: 20.610 ug/l
 RT: 3.00 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: VU028041.D
 Acq: 09 Nov 2018 13:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1109WBSD01

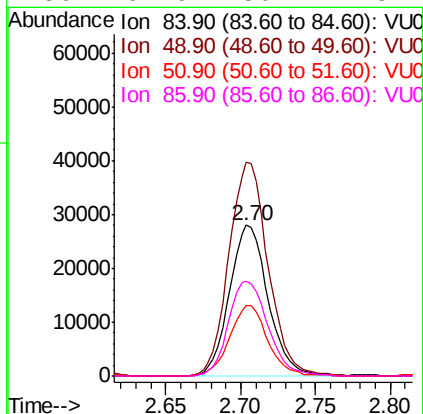
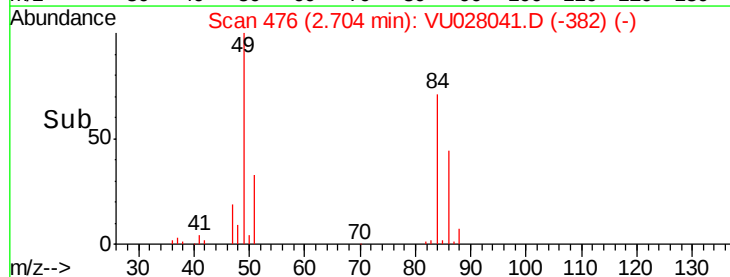
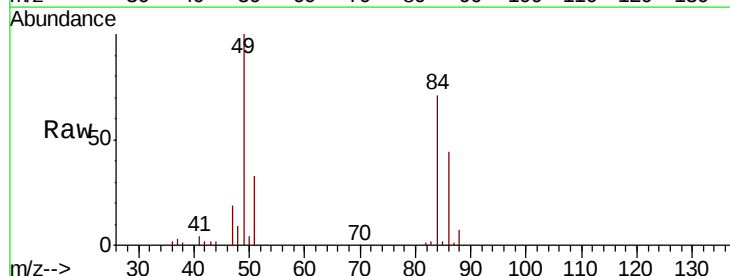
Tot Ion: 73 Resp: 158085
 Ion Ratio Lower Upper
 73 100
 57 24.2 19.3 28.9

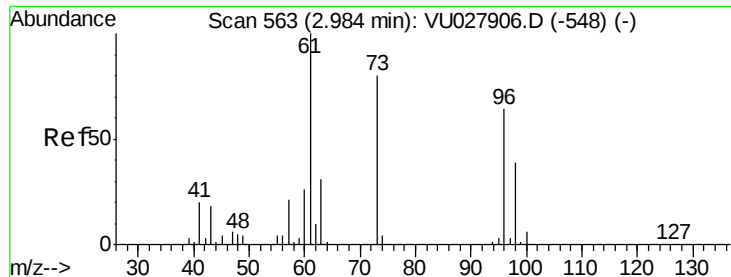


#20

Methylene Chloride
 Concen: 20.564 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: VU028041.D
 Acq: 09 Nov 2018 13:50

Tgt Ion: 84 Resp: 50262
 Ion Ratio Lower Upper
 84 100
 49 141.0 111.6 167.4
 51 46.7 34.8 52.2
 86 62.9 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 19.827 ug/l

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

VU1109WBSD01

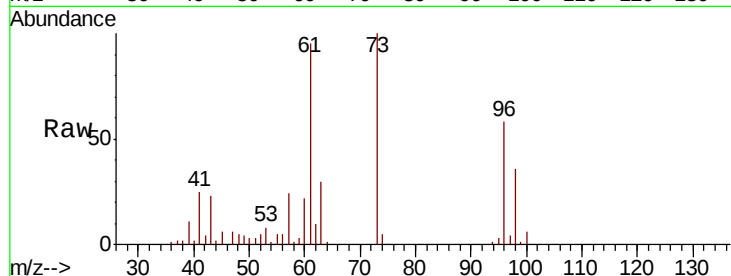
Tot Ion: 96 Resp: 43519

Ion Ratio Lower Upper

96 100

61 163.4 125.0 187.6

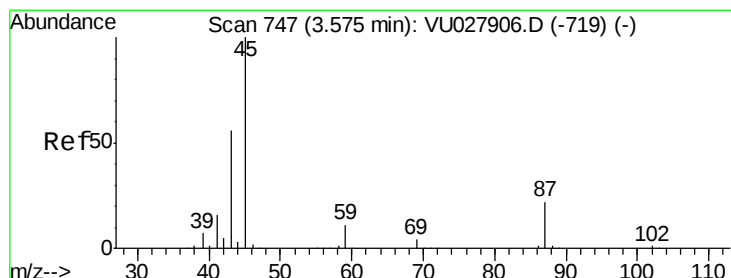
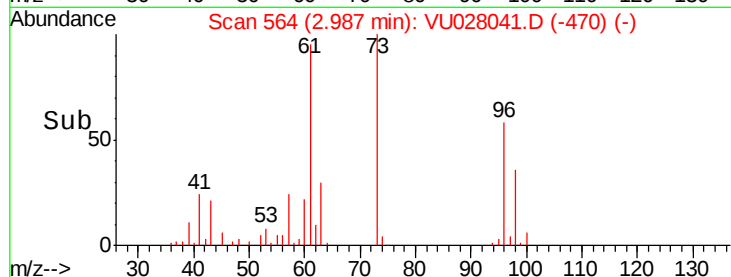
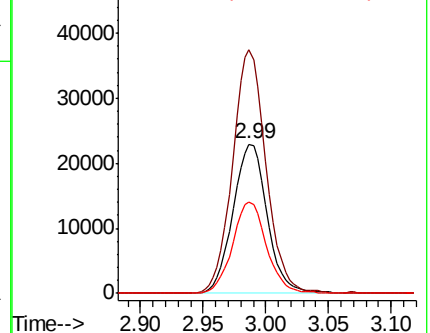
98 61.1 48.2 72.4



Abundance Ion 95.90 (95.60 to 96.60): VU027906.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU027906.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU027906.D (-548) (-)



#22

Diisopropyl ether

Concen: 20.529 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

Tgt Ion: 45 Resp: 197015

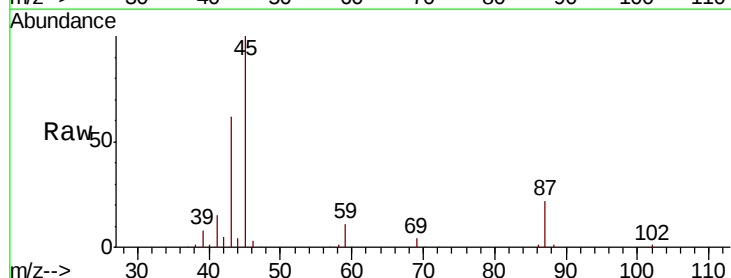
Ion Ratio Lower Upper

45 100

43 60.7 45.0 67.6

87 22.0 17.9 26.9

59 10.9 8.6 12.8

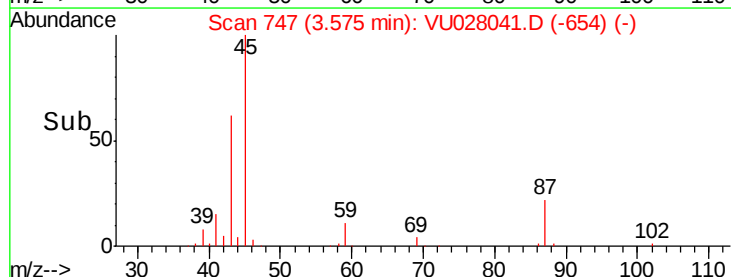
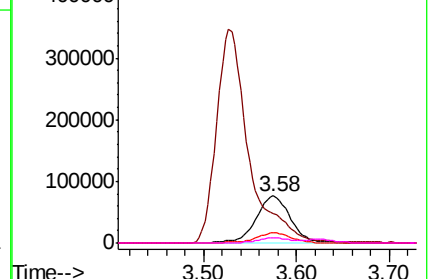


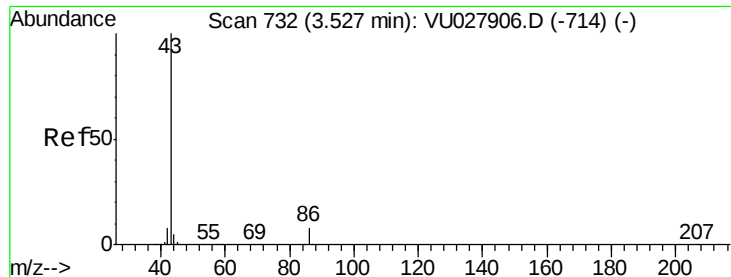
Abundance Ion 45.00 (44.70 to 45.70): VU027906.D (-719) (-)

Ion 43.00 (42.70 to 43.70): VU027906.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU027906.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU027906.D (-719) (-)





#23

Vinyl Acetate

Concen: 102.156 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

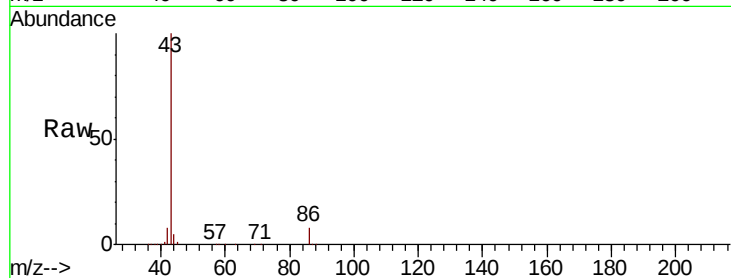
VU1109WBSD01

Tot Ion: 43 Resp: 842583

Ion Ratio Lower Upper

43 100

86 7.9 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-714) (-)

Ion 86.00 (85.70 to 86.70): VU027906.D (-714) (-)

3.53

400000

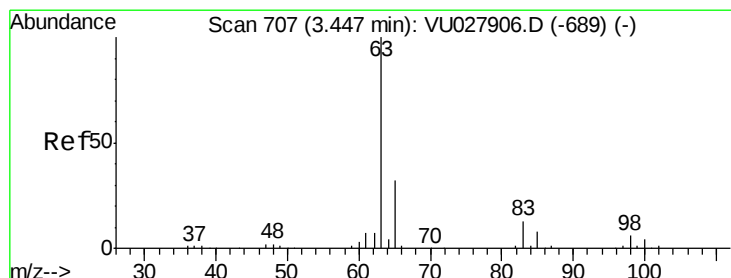
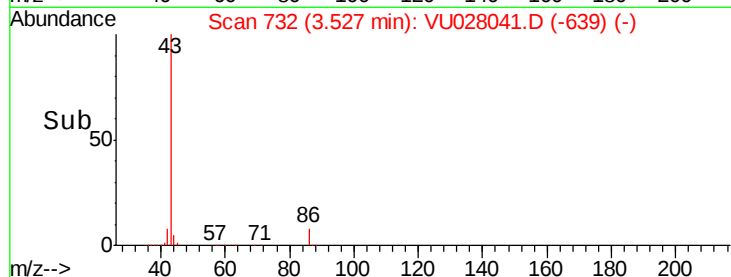
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.027 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

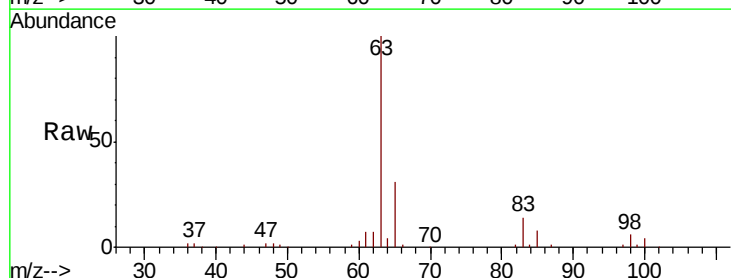
Tgt Ion: 63 Resp: 95735

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

100 3.6 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU027906.D (-689) (-)

Ion 97.90 (97.60 to 98.60): VU027906.D (-689) (-)

Ion 99.90 (99.60 to 100.60): VU027906.D (-689) (-)

3.45

50000

40000

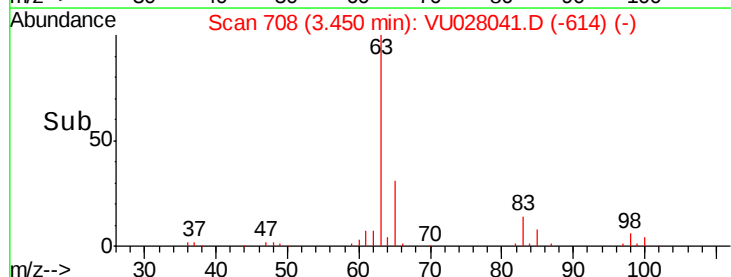
30000

20000

10000

0

Time-->





#25

2-Butanone

Concen: 104.281 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

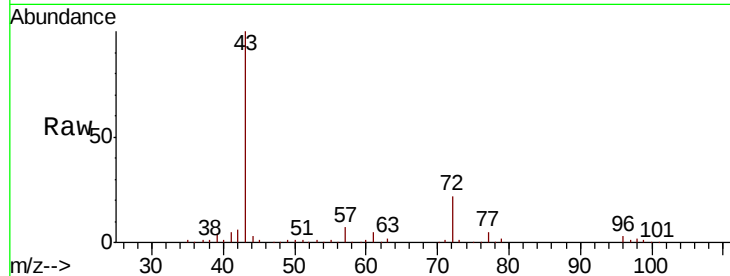
VU1109WBSD01

Tot Ion: 43 Resp: 277724

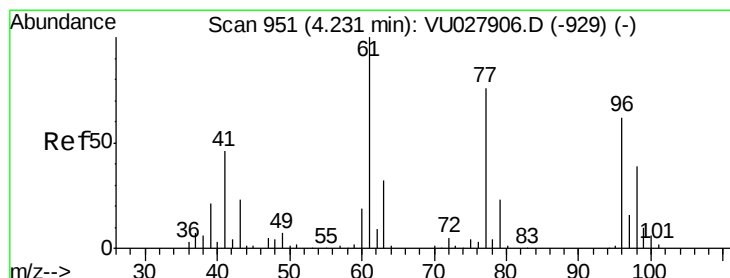
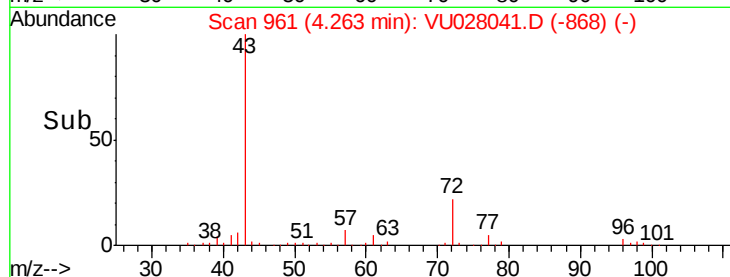
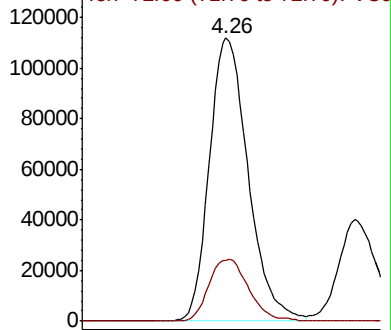
Ion Ratio Lower Upper

43 100

72 21.7 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU028041.D (-868) (-)



#26

2,2-Dichloropropane

Concen: 20.669 ug/l

RT: 4.23 min Scan# 951

Delta R.T. -0.00 min

Lab File: VU028041.D

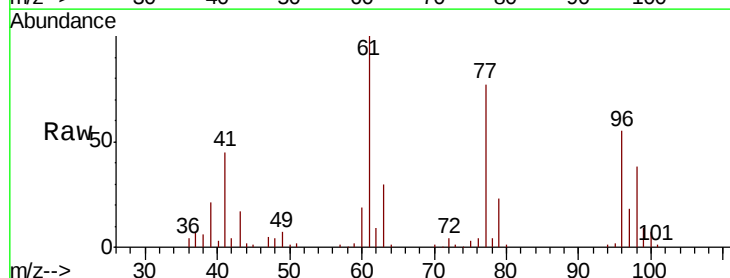
Acq: 09 Nov 2018 13:50

Tgt Ion: 77 Resp: 74146

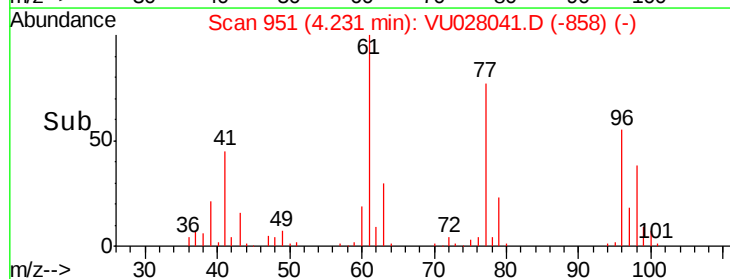
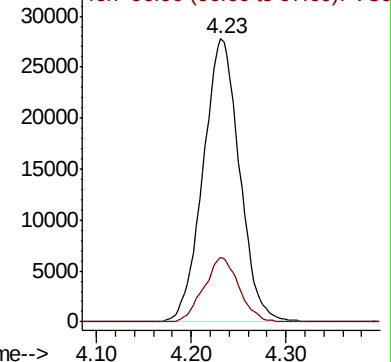
Ion Ratio Lower Upper

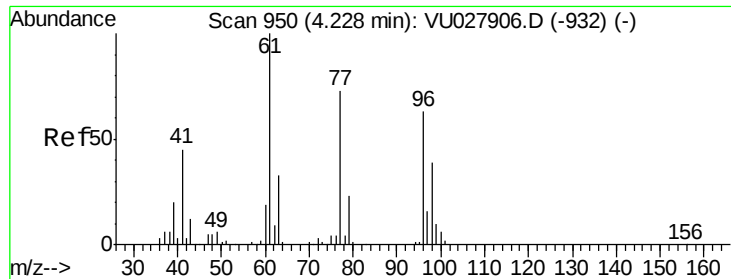
77 100

97 21.9 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU028041.D (-858) (-)



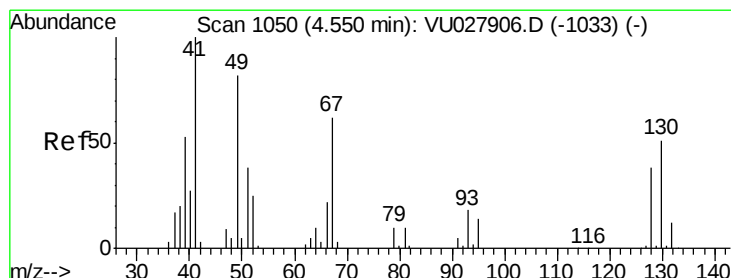
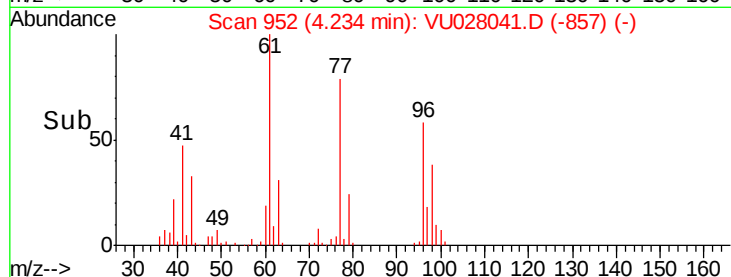
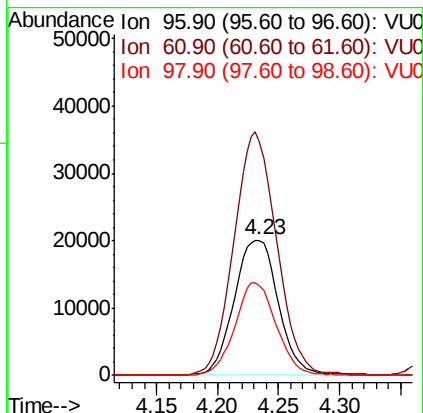
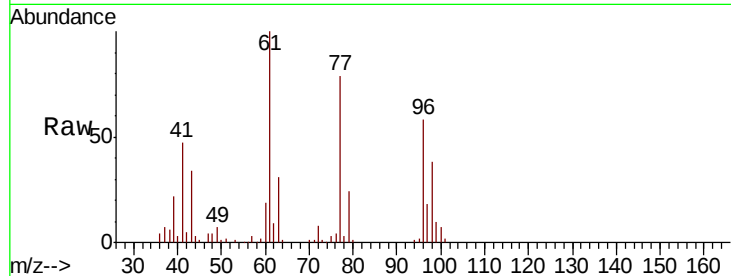


#27

cis-1,2-Dichloroethene
Concen: 20.436 ug/l
RT: 4.23 min Scan# 952
Delta R.T. 0.01 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

Instrument :
MSVOA_U
ClientSampleId :
VU1109WBSD01

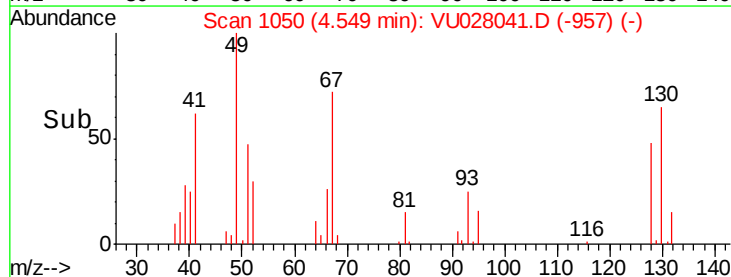
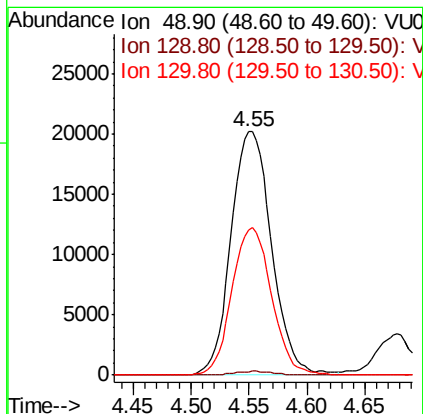
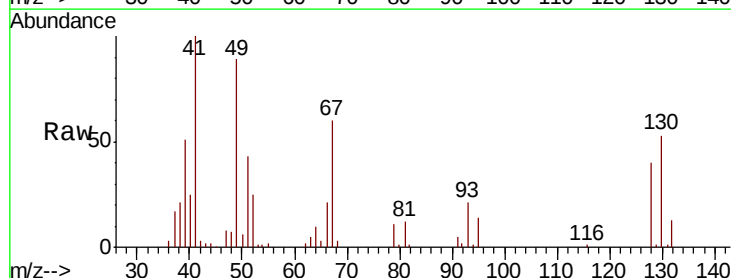
Tot Ion	96	Resp	50302
Ion	Ratio	Lower	Upper
96	100		
61	174.4	0.0	329.6
98	64.2	0.0	127.2

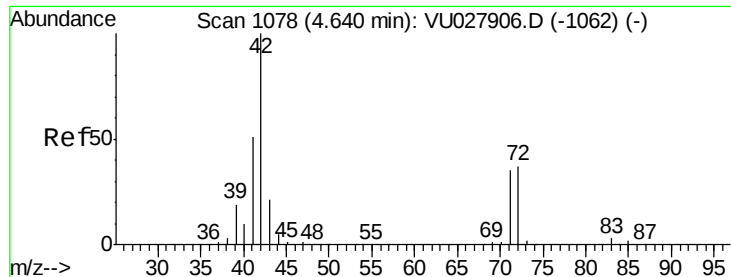


#28

Bromochloromethane
Concen: 21.947 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

Tgt Ion	49	Resp	49183
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	59.1	47.8	71.6





#29

Tetrahydrofuran

Concen: 98.381 ug/l

RT: 4.64 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

VU1109WBSD01

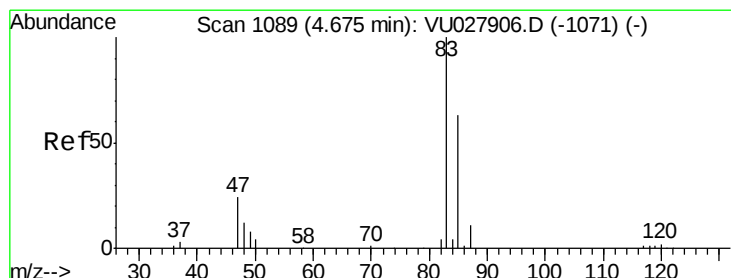
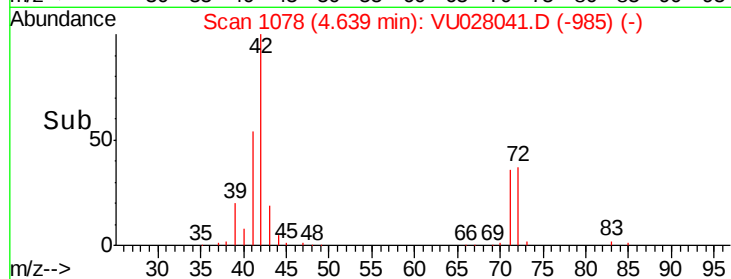
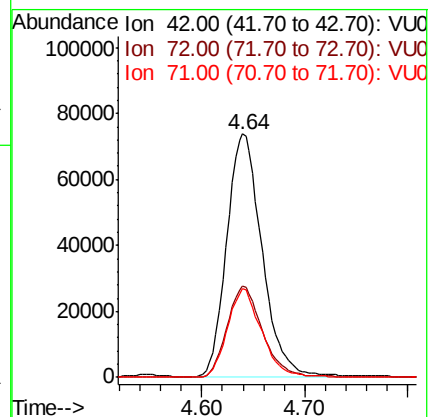
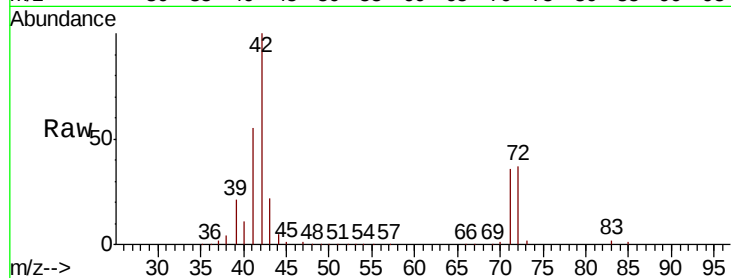
Tot Ion: 42 Resp: 174955

Ion Ratio Lower Upper

42 100

72 37.4 29.4 44.0

71 35.3 27.9 41.9



#30

Chloroform

Concen: 19.885 ug/l

RT: 4.68 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VU028041.D

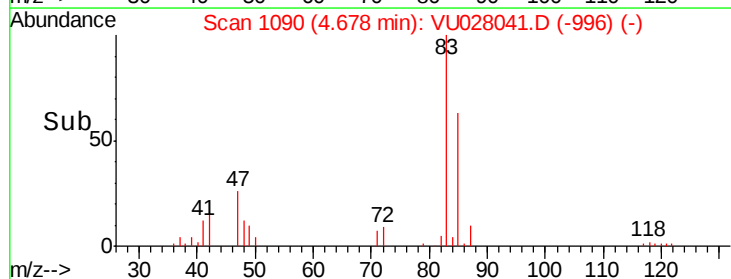
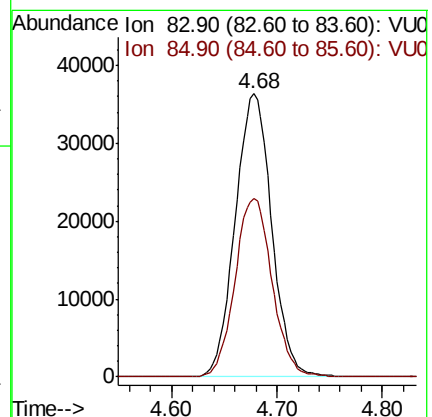
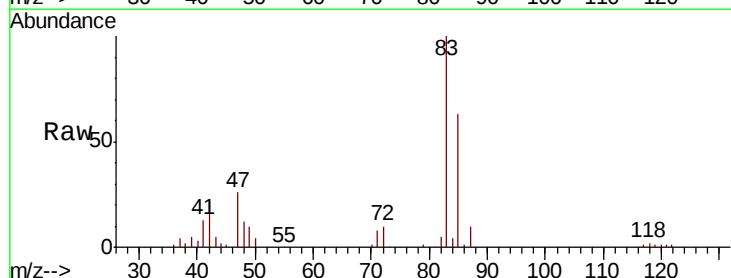
Acq: 09 Nov 2018 13:50

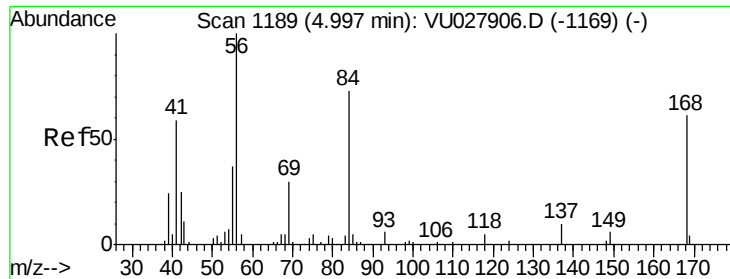
Tgt Ion: 83 Resp: 87157

Ion Ratio Lower Upper

83 100

85 63.0 50.6 76.0

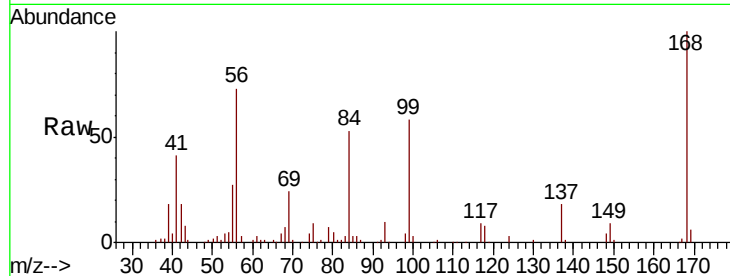




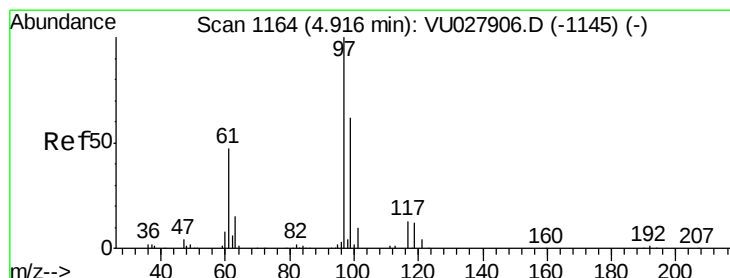
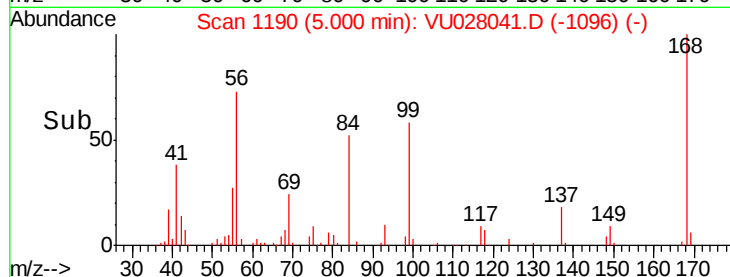
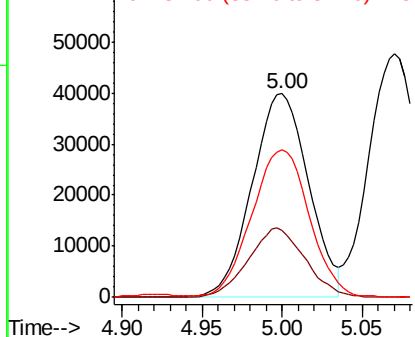
#31
Cyclohexane
Concen: 19.697 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

Instrument :
MSVOA_U
ClientSampleId :
VU1109WBSD01

Tot Ion: 56 Resp: 97201
Ion Ratio Lower Upper
56 100
69 32.9 23.7 35.5
84 72.1 58.2 87.4

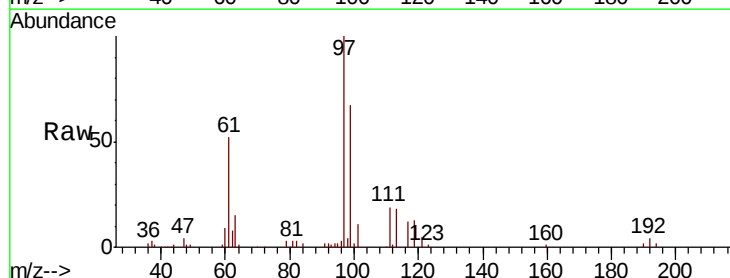


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

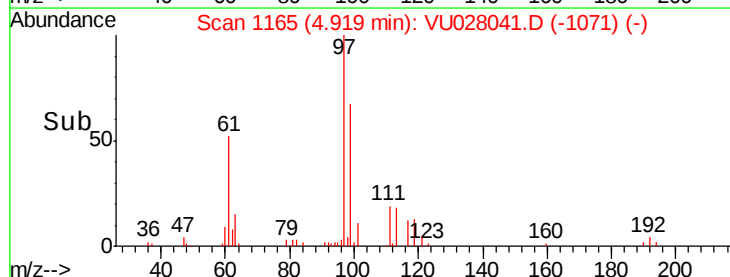
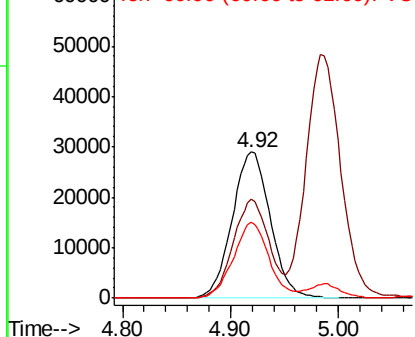


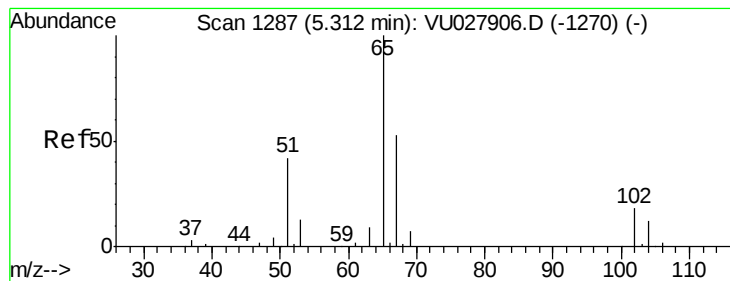
#32
1,1,1-Trichloroethane
Concen: 20.425 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

Tgt Ion: 97 Resp: 71263
Ion Ratio Lower Upper
97 100
99 64.1 50.5 75.7
61 48.5 38.3 57.5



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





#33

1,2-Dichloroethane-d4

Concen: 54.247 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

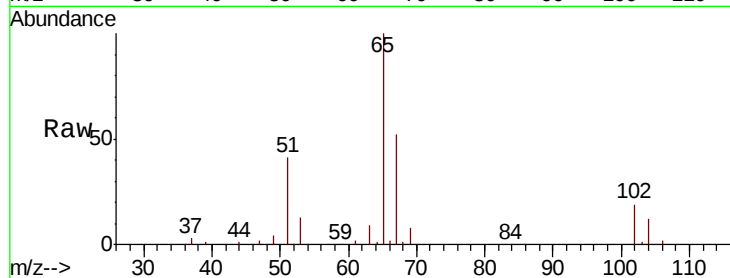
VU1109WBSD01

Tot Ion: 65 Resp: 146365

Ion Ratio Lower Upper

65 100

67 53.9 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VU027906.D (-1270) (-)

Ion 66.90 (66.60 to 67.60): VU027906.D (-1270) (-)

5.31

60000

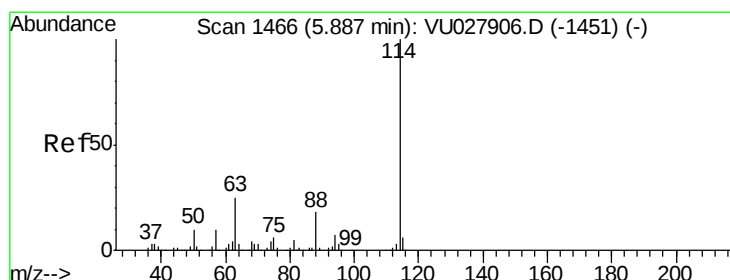
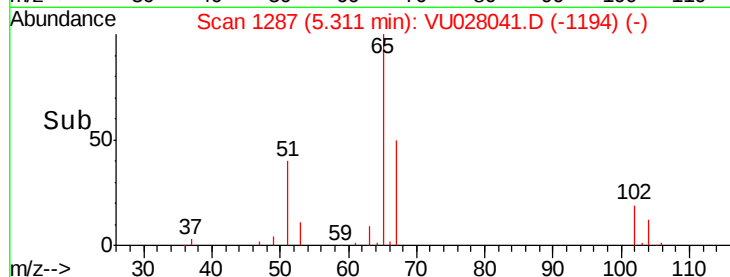
40000

20000

0

Time-->

5.25 5.30 5.35 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

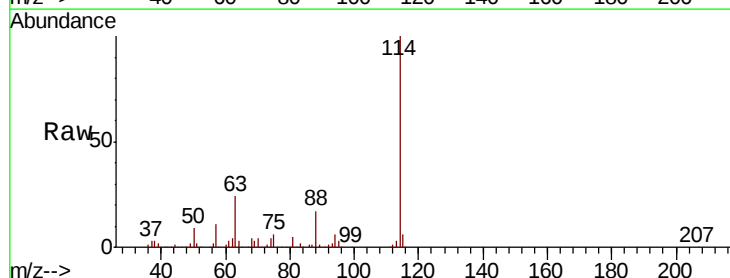
Tgt Ion: 114 Resp: 317535

Ion Ratio Lower Upper

114 100

63 24.4 0.0 50.8

88 16.5 0.0 35.8



Abundance Ion 113.90 (113.60 to 114.60): VU027906.D (-1451) (-)

Ion 63.00 (62.70 to 63.70): VU027906.D (-1451) (-)

Ion 87.90 (87.60 to 88.60): VU027906.D (-1451) (-)

5.89

200000

150000

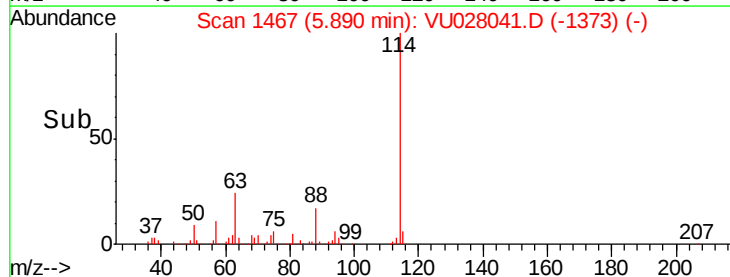
100000

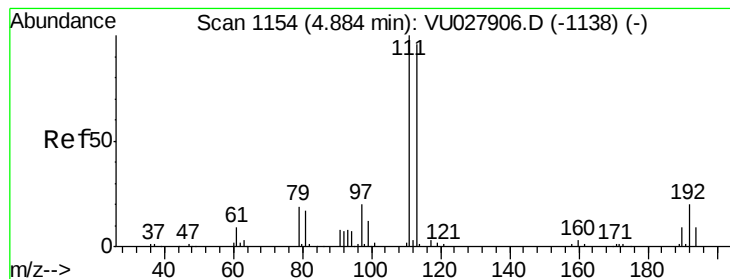
50000

0

Time-->

5.80 5.90 6.00





#35

Dibromofluoromethane

Concen: 53.204 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

VU1109WBSD01

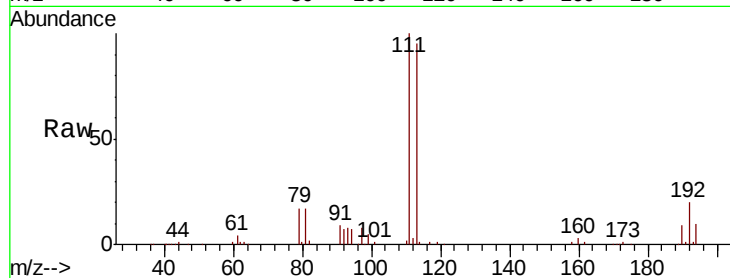
Tot Ion:113 Resp: 106520

Ion Ratio Lower Upper

113 100

111 103.9 83.0 124.6

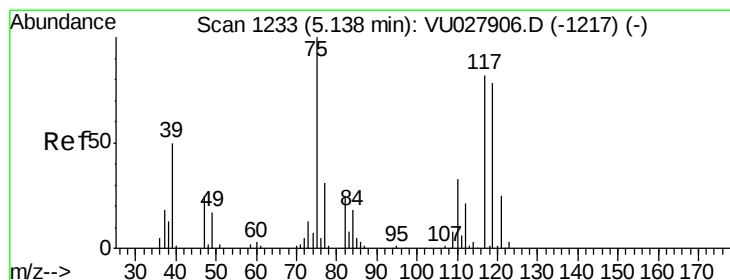
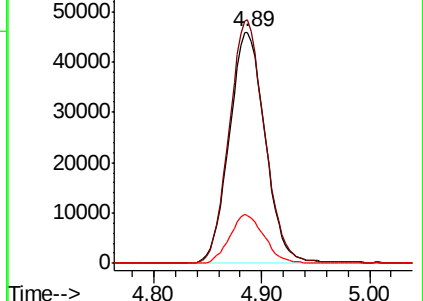
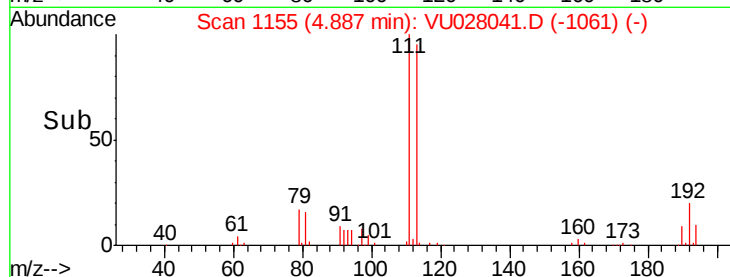
192 20.3 15.6 23.4



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: 19.532 ug/l

RT: 5.14 min Scan# 1234

Delta R.T. 0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

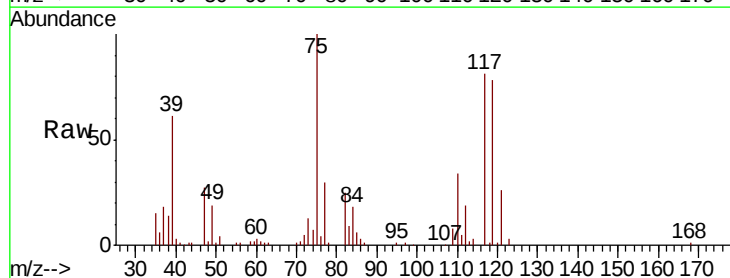
Tgt Ion: 75 Resp: 64955

Ion Ratio Lower Upper

75 100

110 34.6 16.5 49.5

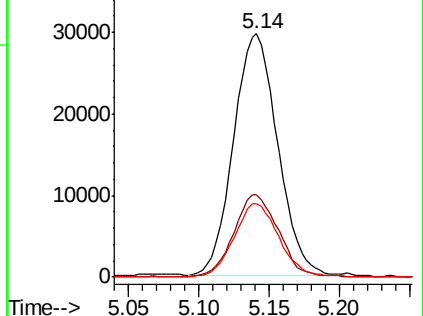
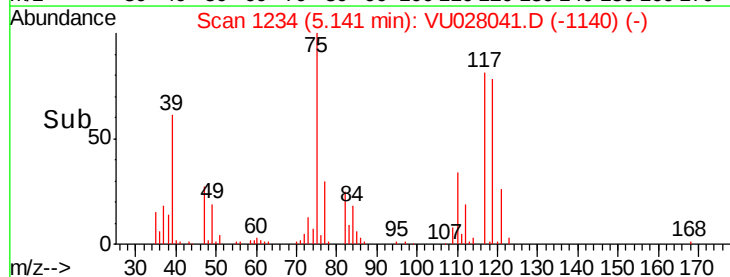
77 31.0 24.9 37.3

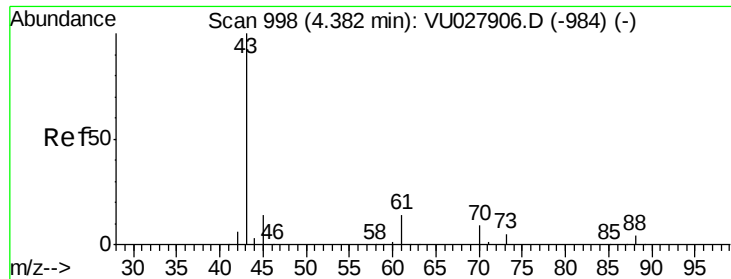


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 19.582 ug/l

RT: 4.38 min Scan# 998

Delta R.T. -0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

VU1109WBSD01

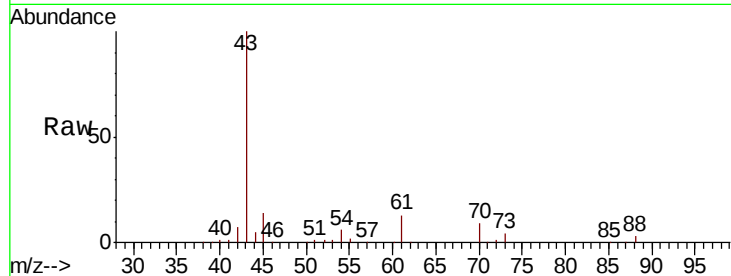
Tot Ion: 43 Resp: 95419

Ion Ratio Lower Upper

43 100

61 13.9 10.3 15.5

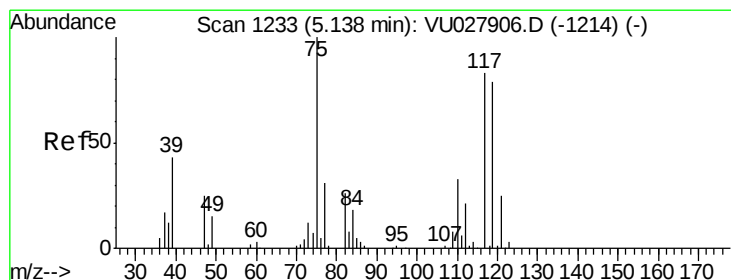
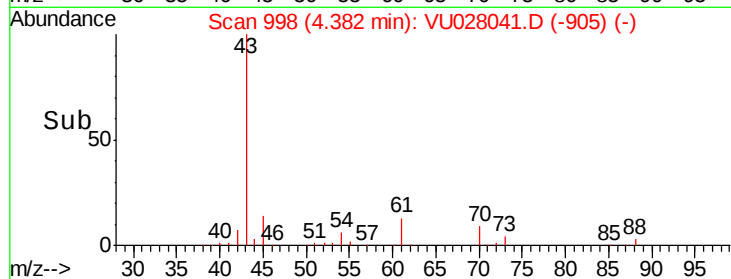
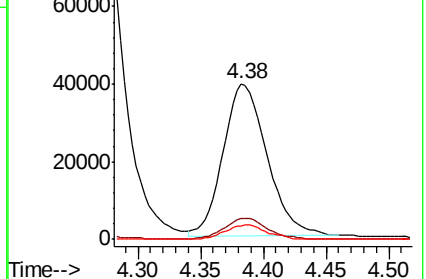
70 9.0 7.0 10.6



Abundance Ion 43.00 (42.70 to 43.70): VU028041.D (-905) (-)

Ion 60.90 (60.60 to 61.60): VU028041.D (-905) (-)

Ion 70.00 (69.70 to 70.70): VU028041.D (-905) (-)



#38

Carbon Tetrachloride

Concen: 19.162 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

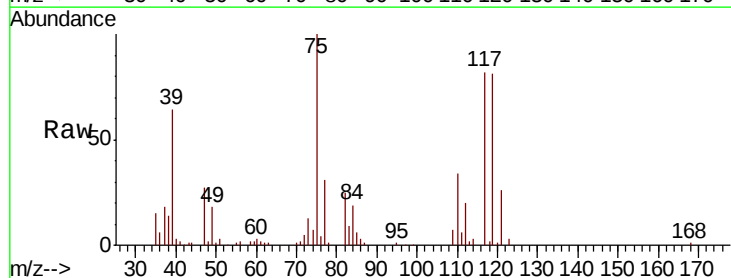
Tgt Ion: 117 Resp: 56475

Ion Ratio Lower Upper

117 100

119 98.2 76.0 114.0

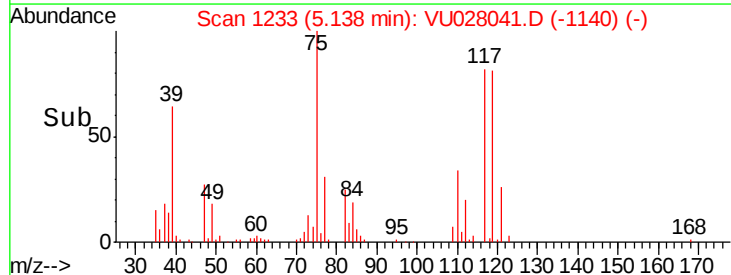
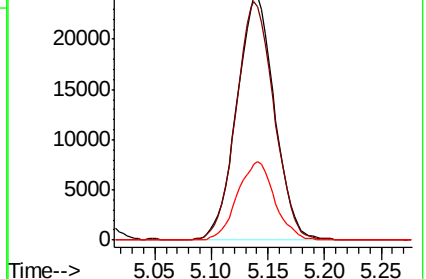
121 31.4 24.5 36.7

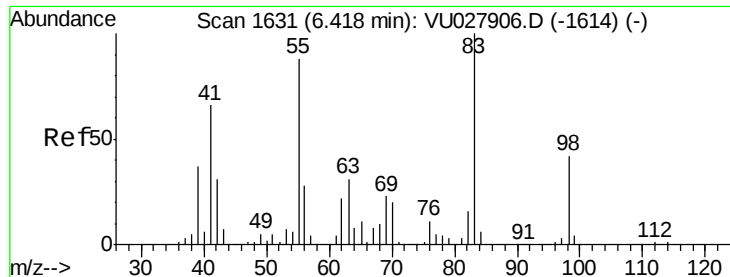


Abundance Ion 116.80 (116.50 to 117.50): VU028041.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU028041.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU028041.D (-1140) (-)

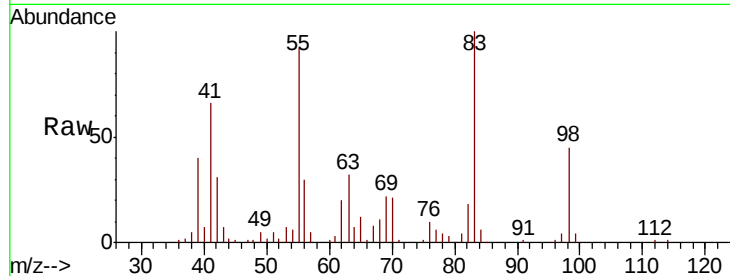




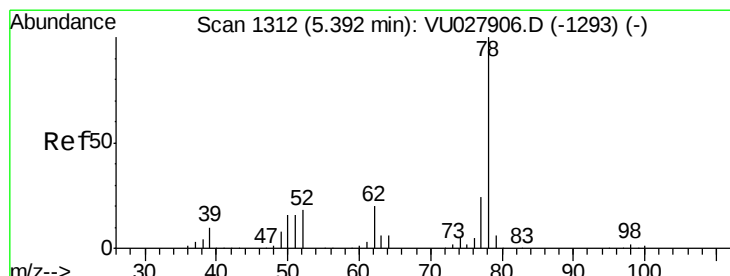
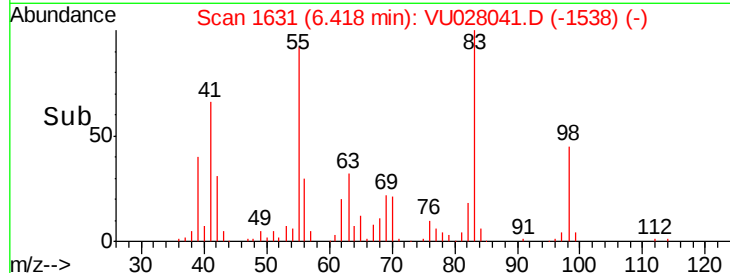
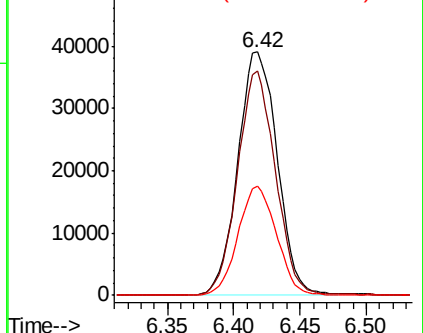
#39
Methvlcvclohexane
Concen: 20.189 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

Instrument :
MSVOA_U
ClientSampleId :
VU1109WBSD01

Tot Ion: 83 Resp: 80979
Ion Ratio Lower Upper
83 100
55 92.2 70.3 105.5
98 45.0 34.0 51.0

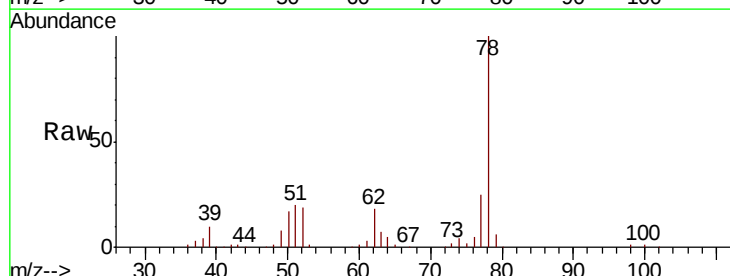


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

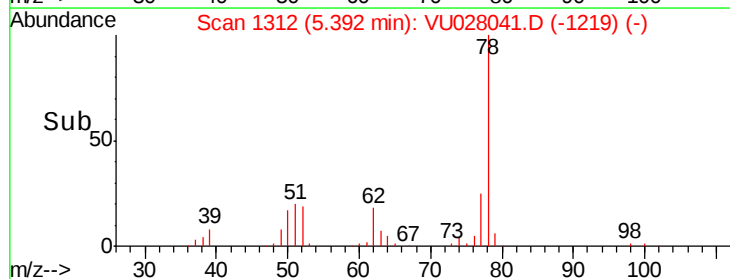
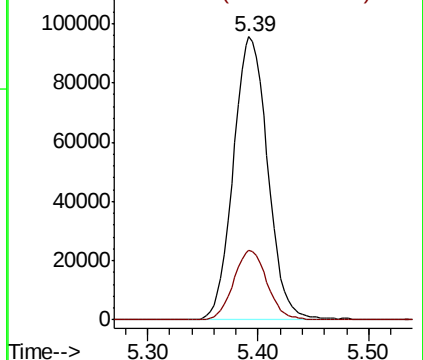


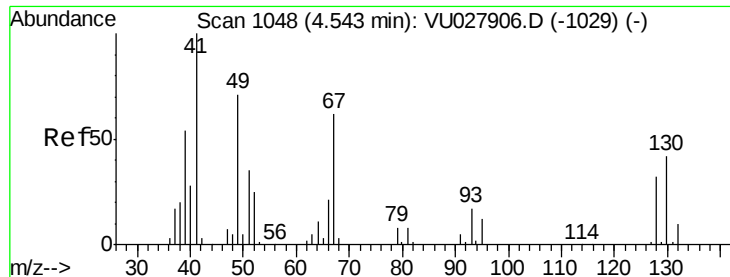
#40
Benzene
Concen: 20.318 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

Tgt Ion: 78 Resp: 206593
Ion Ratio Lower Upper
78 100
77 24.6 19.3 28.9



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

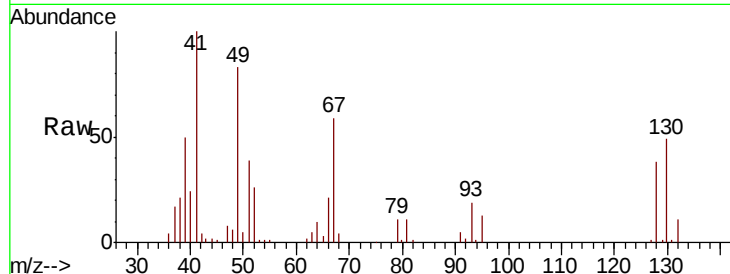




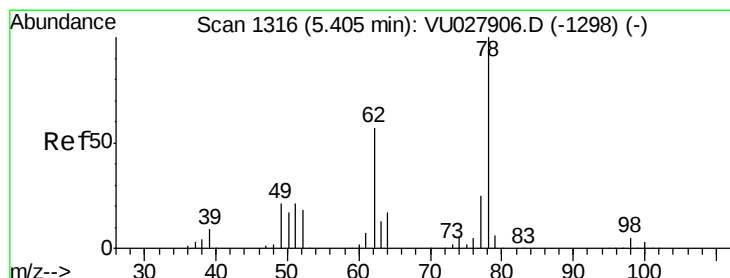
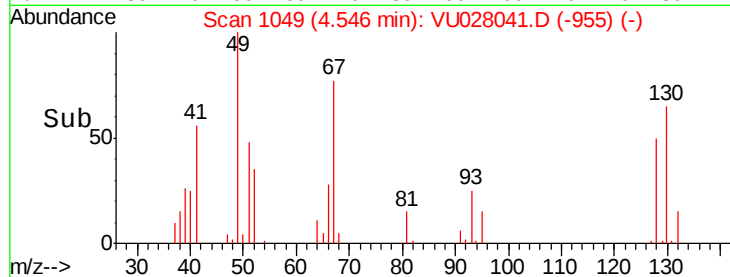
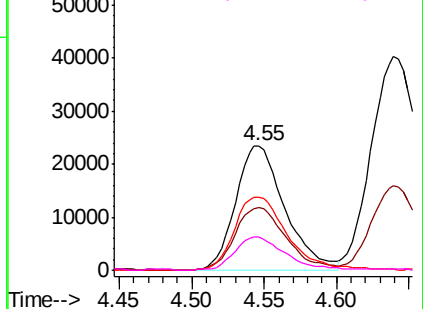
#41
Methacrylonitrile
Concen: 21.310 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

Instrument :
MSVOA_U
ClientSampleId :
VU1109WBSD01

Tot Ion:	41	Resp:	55417
Ion	Ratio	Lower	Upper
41	100		
39	52.7	42.2	63.4
67	63.1	49.5	74.3
52	27.6	20.5	30.7

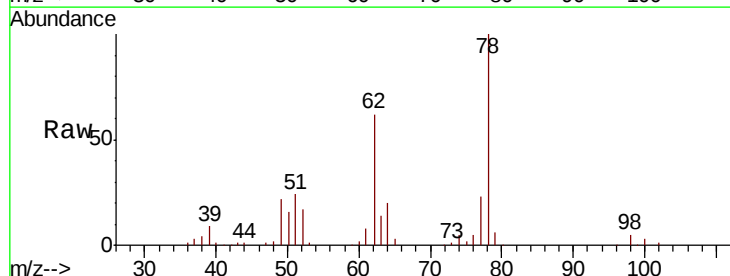


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

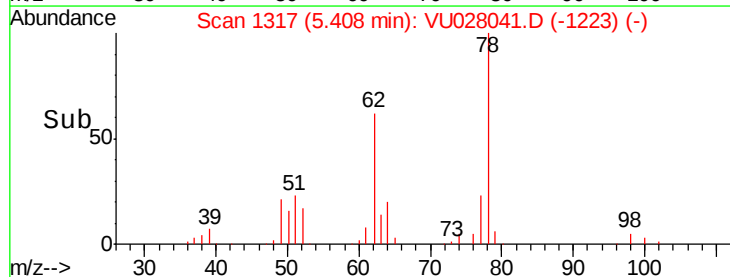
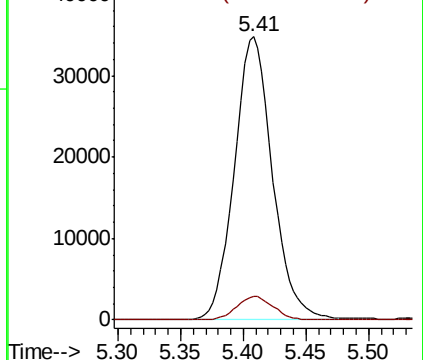


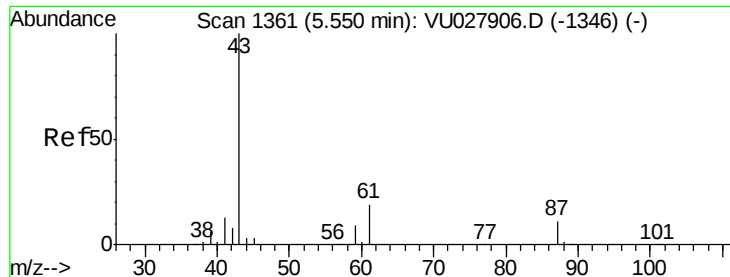
#42
1,2-Dichloroethane
Concen: 20.333 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

Tgt Ion:	62	Resp:	73489
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	17.2



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

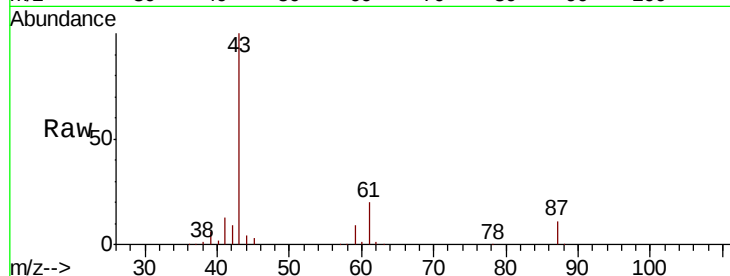




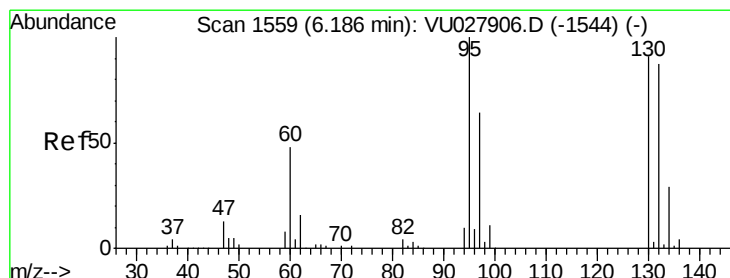
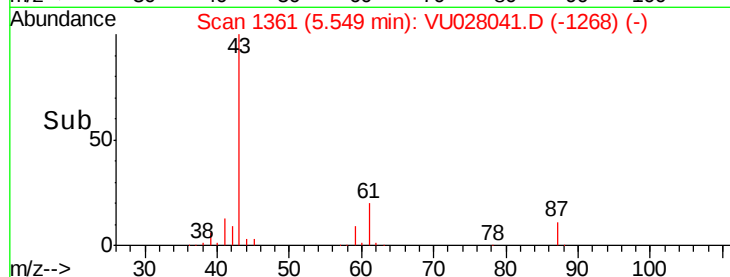
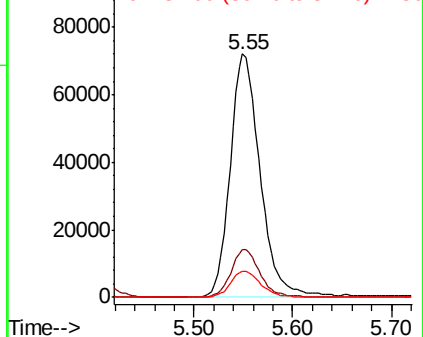
#43
Isopropyl Acetate
Concen: 19.917 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

Instrument :
MSVOA_U
ClientSampleId :
VU1109WBSD01

Tot Ion: 43 Resp: 152052
Ion Ratio Lower Upper
43 100
61 19.1 15.0 22.4
87 10.8 8.6 12.8

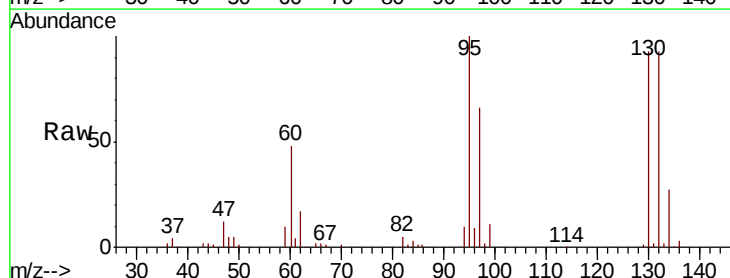


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 87.00 (86.70 to 87.70): VU0

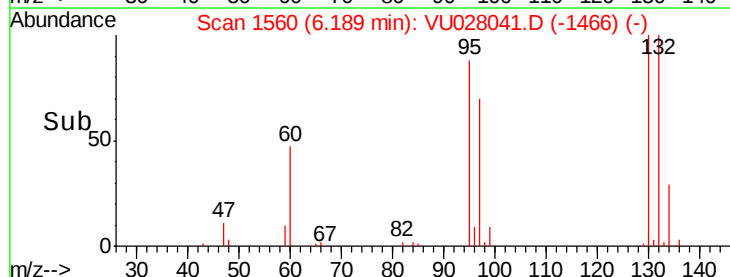
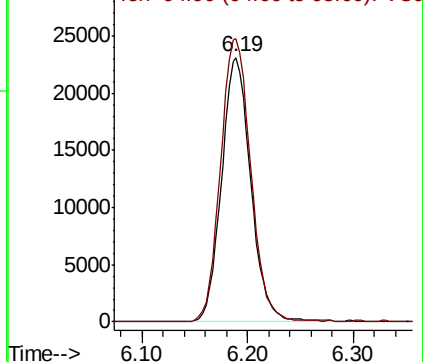


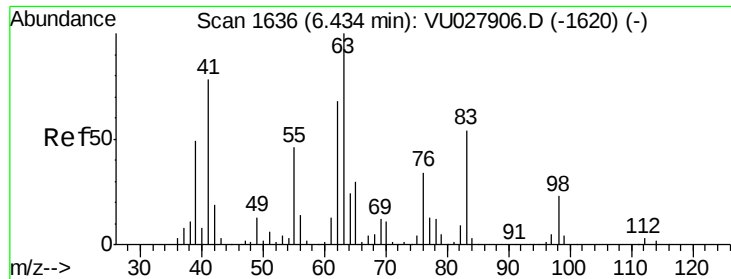
#44
Trichloroethene
Concen: 20.294 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

Tgt Ion:130 Resp: 44355
Ion Ratio Lower Upper
130 100
95 107.0 0.0 219.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 20.470 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

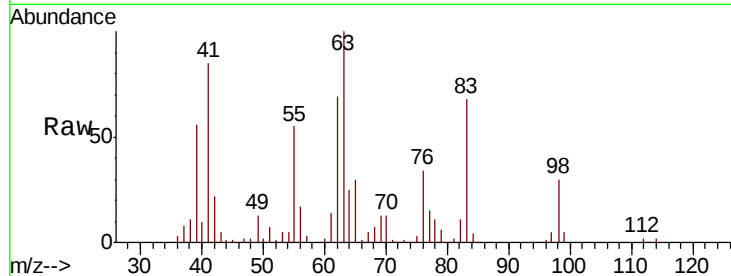
VU1109WBSD01

Tot Ion: 63 Resp: 60024

Ion Ratio Lower Upper

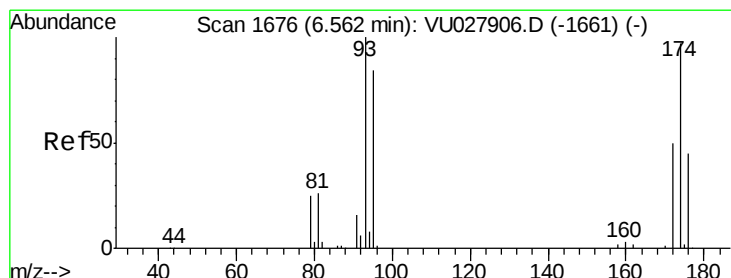
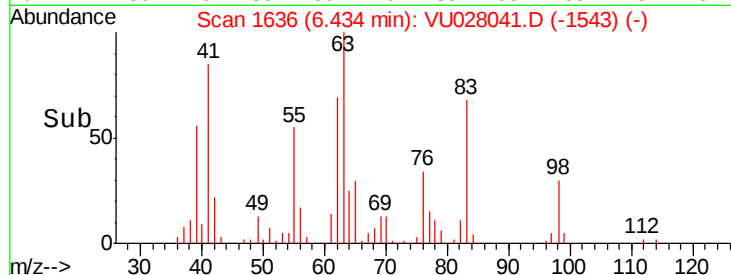
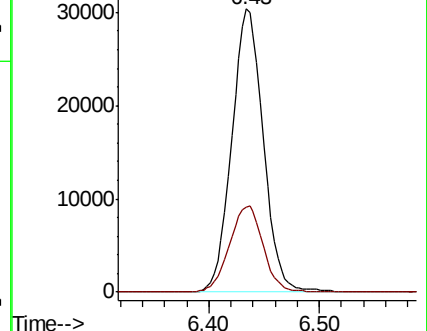
63 100

65 30.1 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VU027906.D (-1620) (-)

Ion 64.90 (64.60 to 65.60): VU027906.D (-1620) (-)



#46

Dibromomethane

Concen: 20.235 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

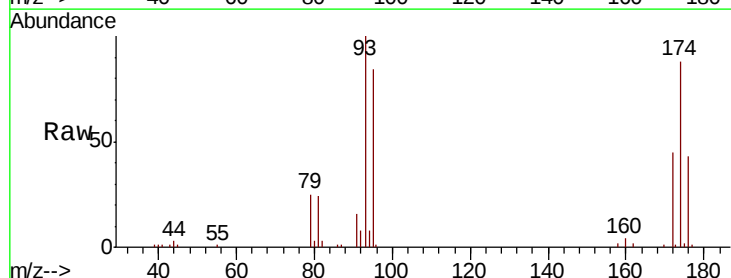
Tgt Ion: 93 Resp: 34107

Ion Ratio Lower Upper

93 100

95 84.5 68.5 102.7

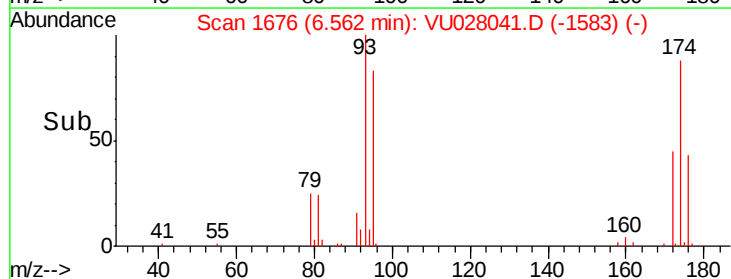
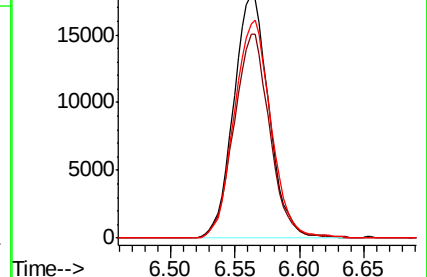
174 93.0 76.1 114.1

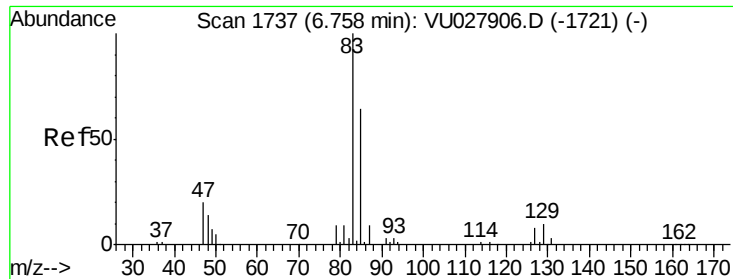


Abundance Ion 92.80 (92.50 to 93.50): VU027906.D (-1661) (-)

Ion 94.80 (94.50 to 95.50): VU027906.D (-1661) (-)

Ion 173.70 (173.40 to 174.40): VU027906.D (-1661) (-)





#47

Bromodichloromethane

Concen: 20.066 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

VU1109WBSD01

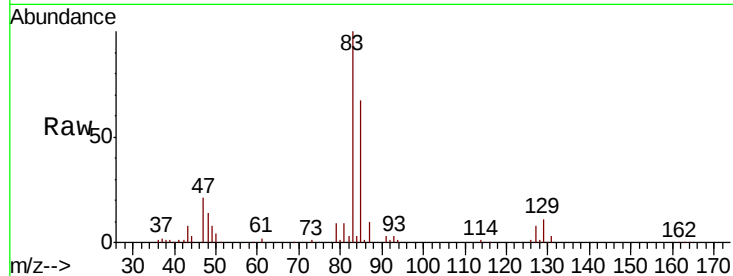
Tot Ion: 83 Resp: 65177

Ion Ratio Lower Upper

83 100

85 67.0 51.0 76.6

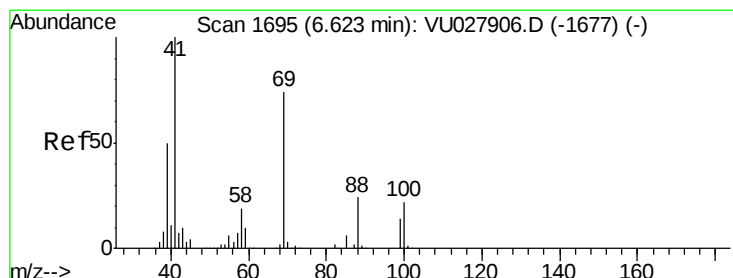
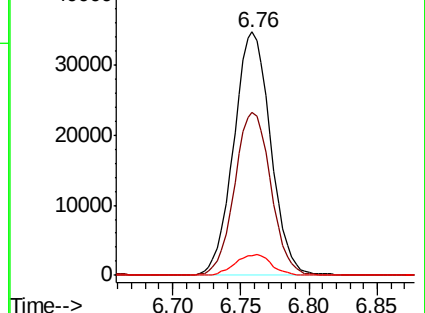
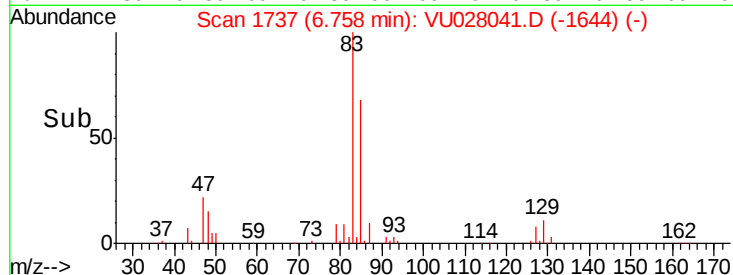
127 8.3 6.2 9.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.213 ug/l

RT: 6.62 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

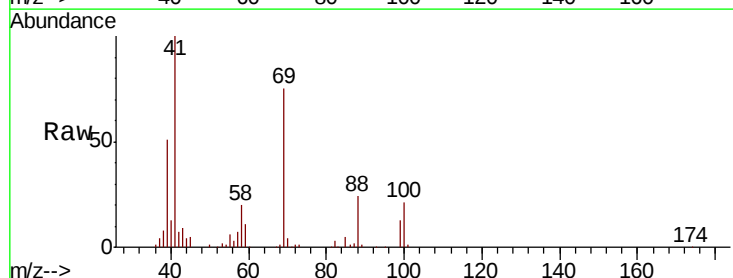
Tgt Ion: 41 Resp: 79361

Ion Ratio Lower Upper

41 100

69 75.1 59.8 89.8

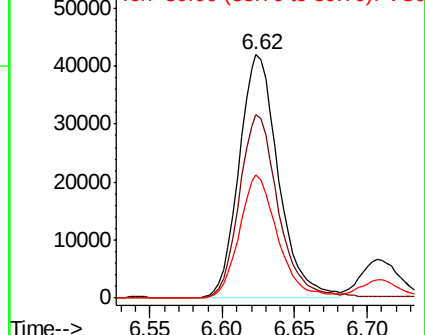
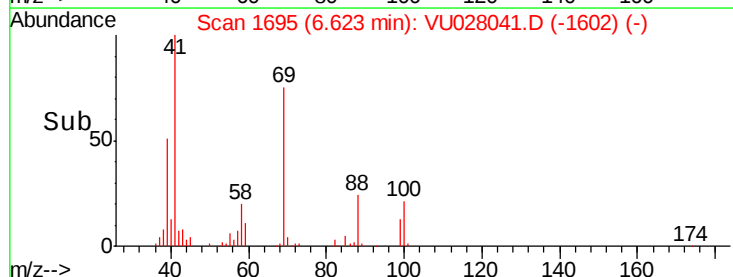
39 49.3 40.0 60.0



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

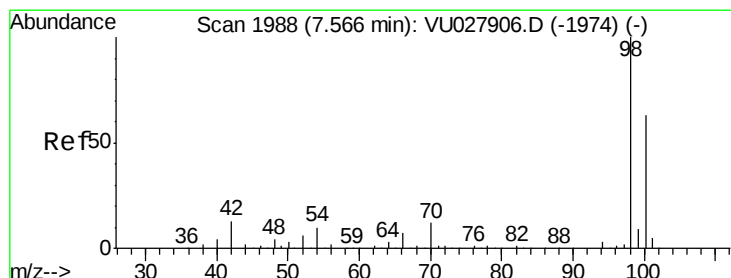
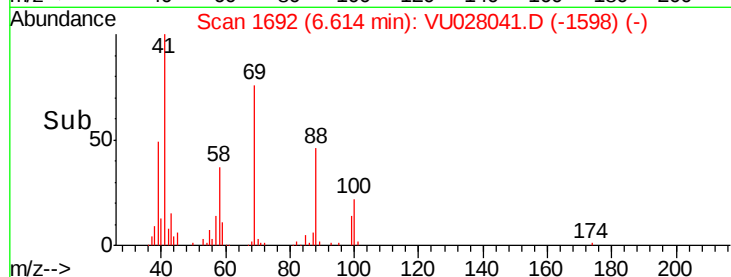
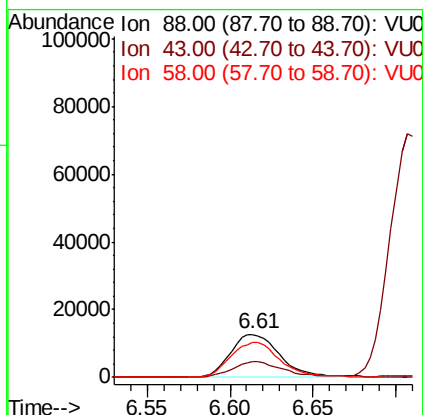
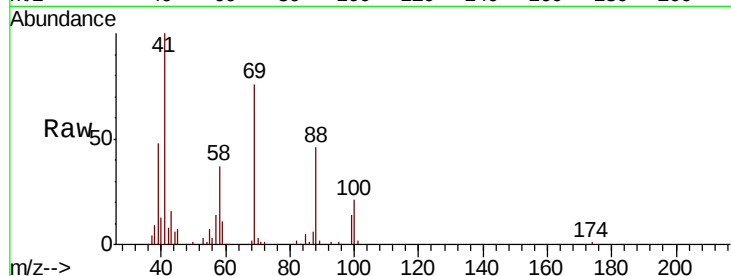




#49
1,4-Dioxane
Concen: 428.186 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

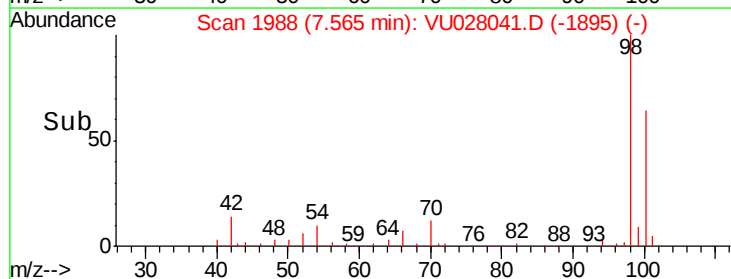
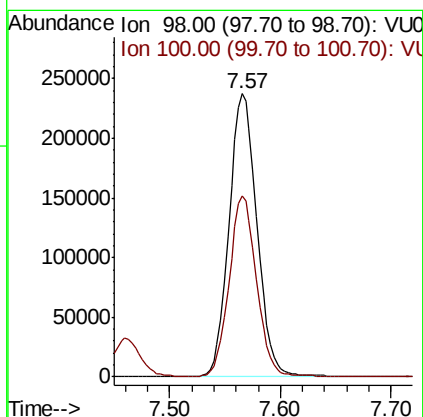
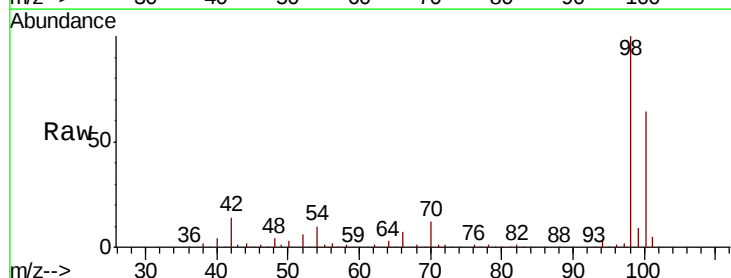
Instrument :
MSVOA_U
ClientSampleId :
VU1109WBSD01

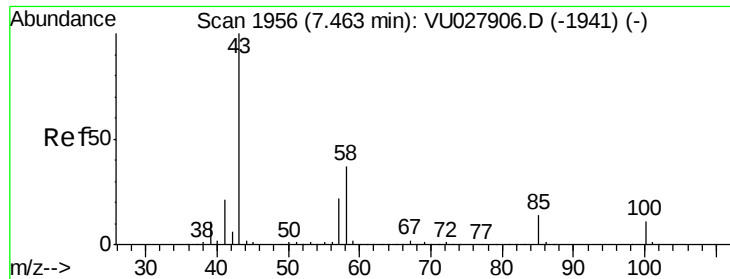
Tot Ion: 88 Resp: 26135
Ion Ratio Lower Upper
88 100
43 35.4 30.5 45.7
58 82.9 67.1 100.7



#50
Toluene-d8
Concen: 53.979 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

Tgt Ion: 98 Resp: 417471
Ion Ratio Lower Upper
98 100
100 62.1 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 99.742 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

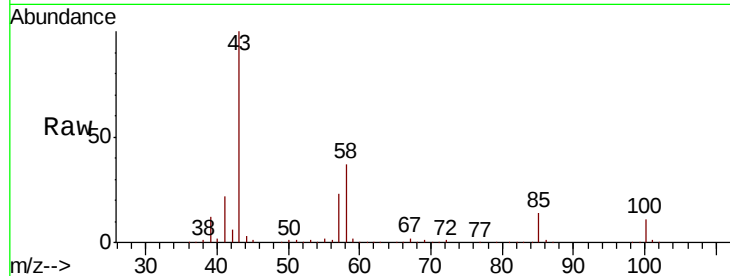
VU1109WBSD01

Tot Ion: 43 Resp: 508527

Ion Ratio Lower Upper

43 100

58 37.4 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

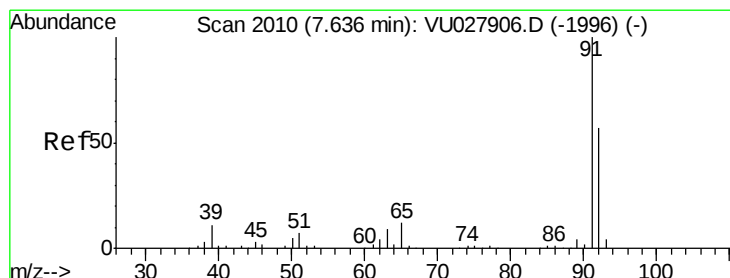
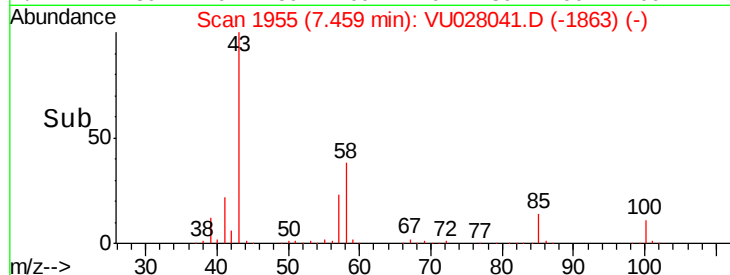
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.413 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU028041.D

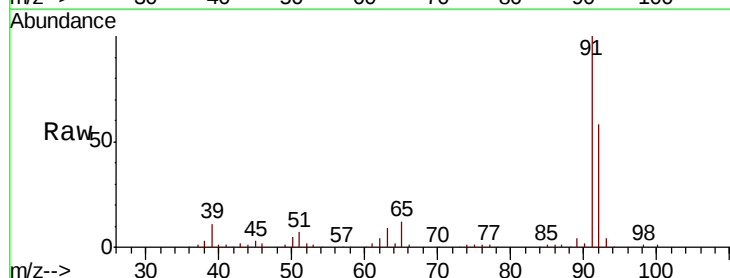
Acq: 09 Nov 2018 13:50

Tgt Ion: 92 Resp: 122023

Ion Ratio Lower Upper

92 100

91 175.7 141.2 211.8



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

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

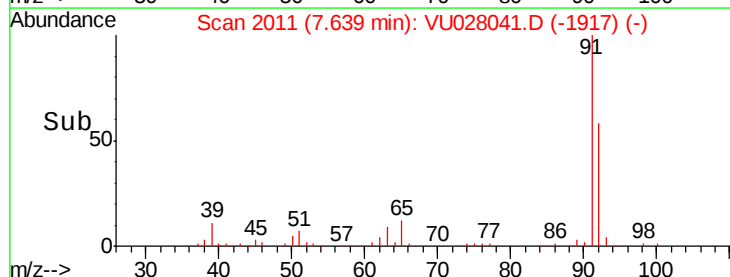
7.64

100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.607 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

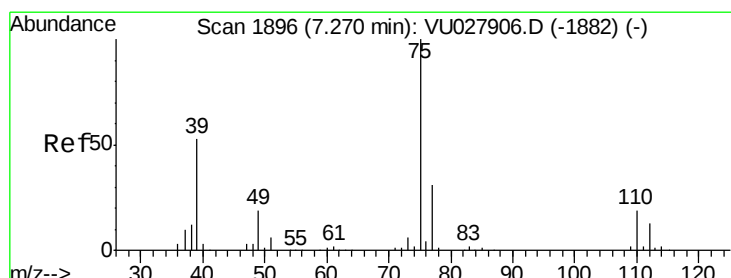
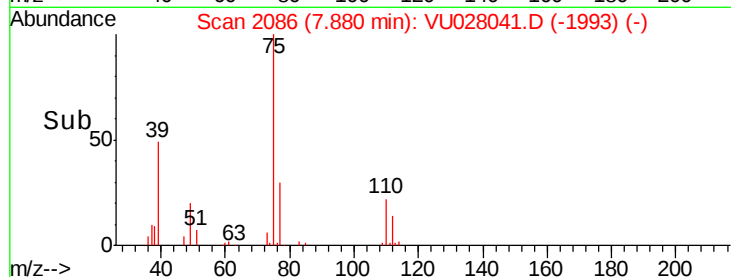
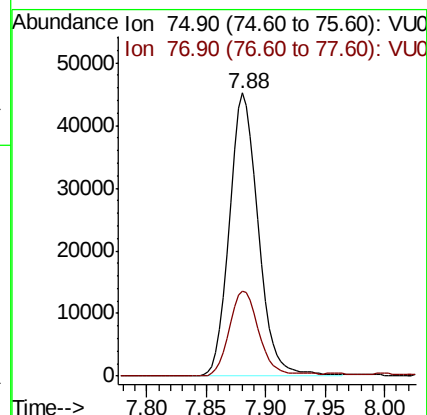
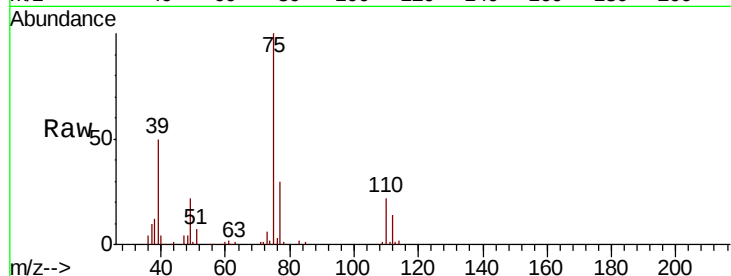
VU1109WBSD01

Tot Ion: 75 Resp: 76178

Ion Ratio Lower Upper

75 100

77 29.8 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 21.034 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. -0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

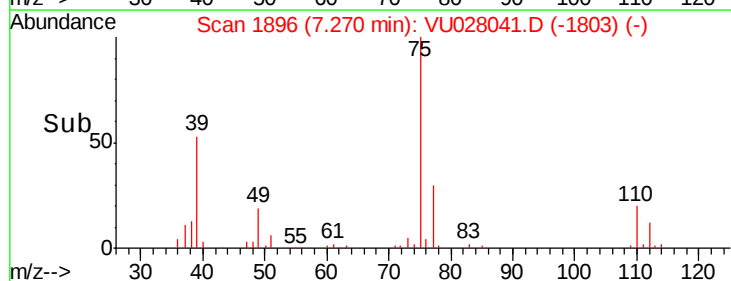
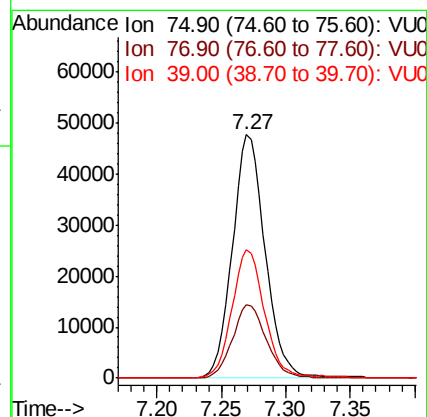
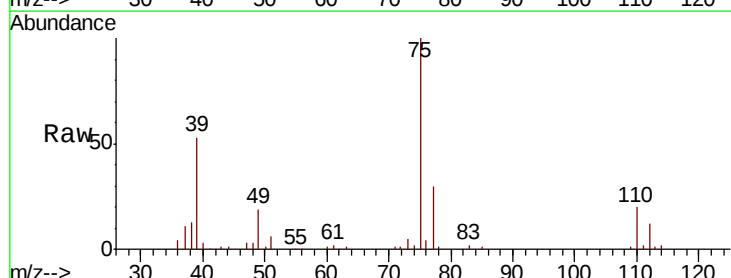
Tgt Ion: 75 Resp: 84225

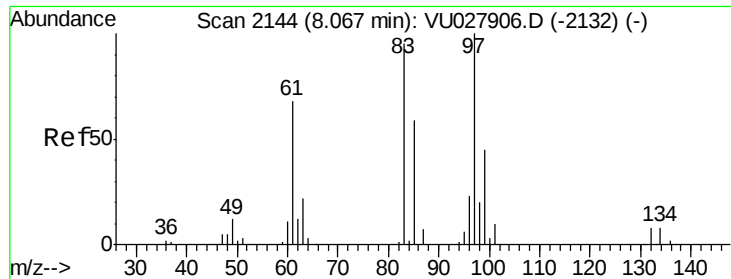
Ion Ratio Lower Upper

75 100

77 30.4 24.6 37.0

39 52.6 42.6 64.0

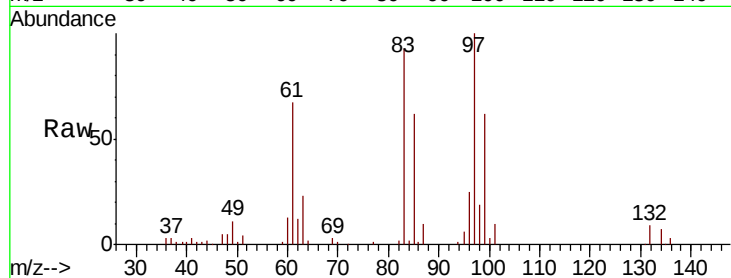




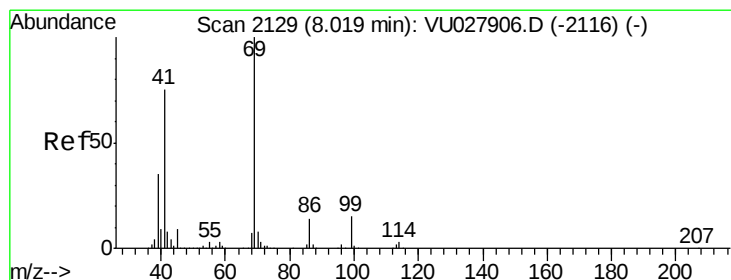
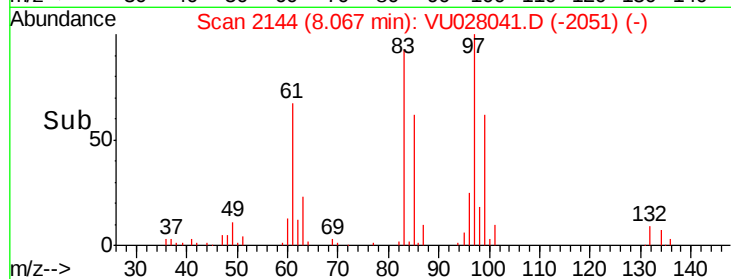
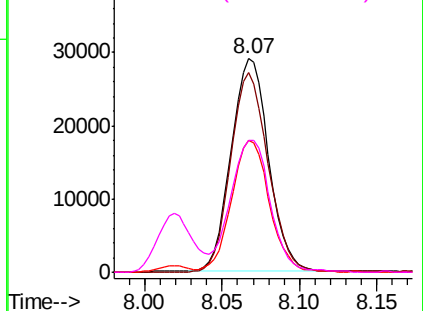
#55
 1,1,2-Trichloroethane
 Concen: 20.050 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU028041.D
 Acq: 09 Nov 2018 13:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1109WBSD01

Tot Ion:	97	Resp:	48761
Ion	Ratio	Lower	Upper
97	100		
83	93.8	76.1	114.1
85	62.0	48.9	73.3
99	61.5	52.0	78.0

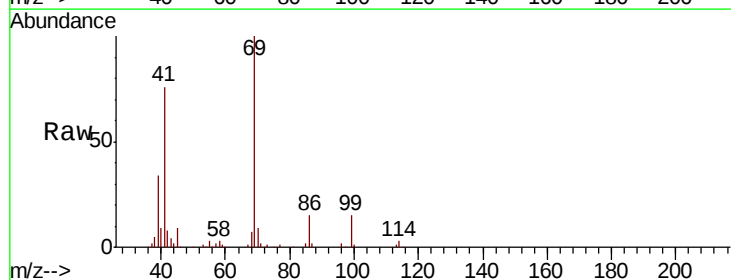


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

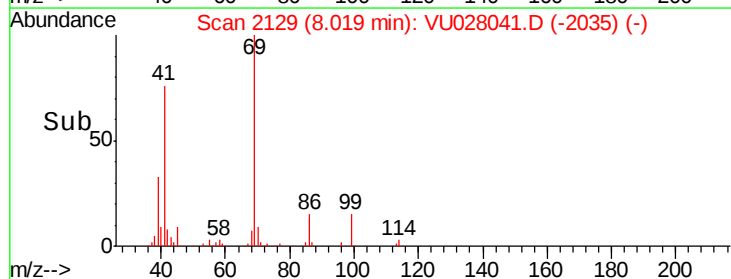
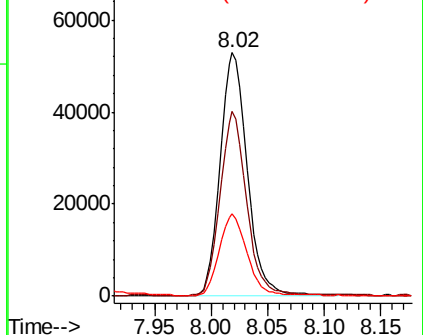


#56
 Ethyl methacrylate
 Concen: 20.683 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028041.D
 Acq: 09 Nov 2018 13:50

Tgt Ion:	69	Resp:	88702
Ion	Ratio	Lower	Upper
69	100		
41	73.2	59.8	89.6
39	33.7	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

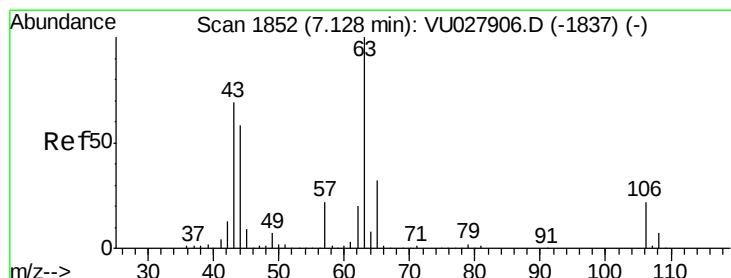
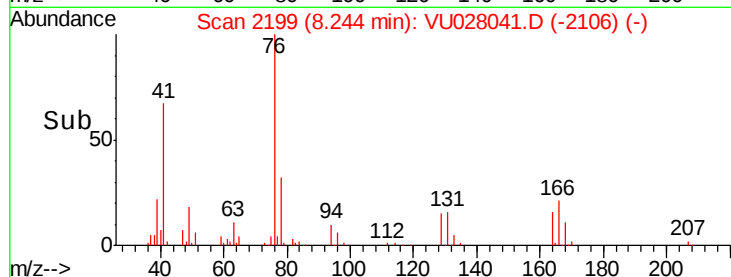
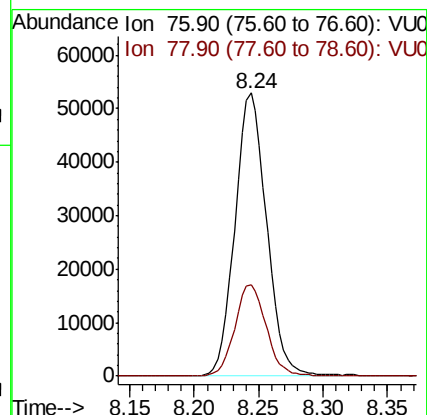
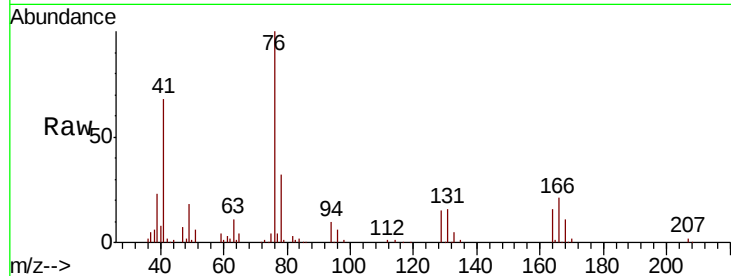




#57
 1,3-Dichloropropane
 Concen: 20.368 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU028041.D
 Acq: 09 Nov 2018 13:50

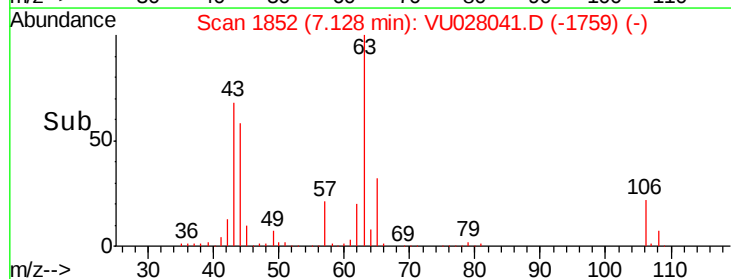
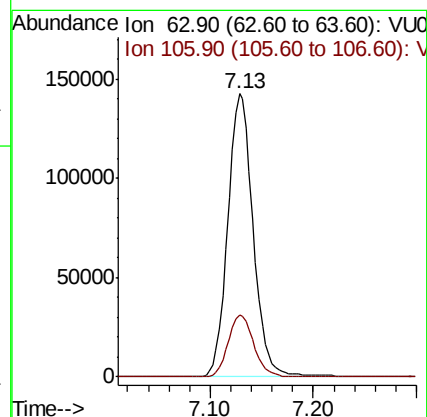
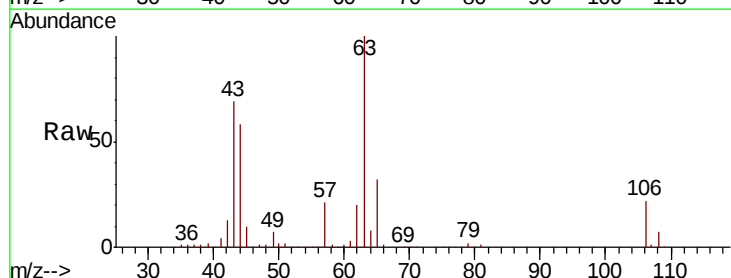
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1109WBSD01

Tot Ion: 76 Resp: 90231
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.143 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU028041.D
 Acq: 09 Nov 2018 13:50

Tgt Ion: 63 Resp: 243802
 Ion Ratio Lower Upper
 63 100
 106 22.3 17.8 26.6

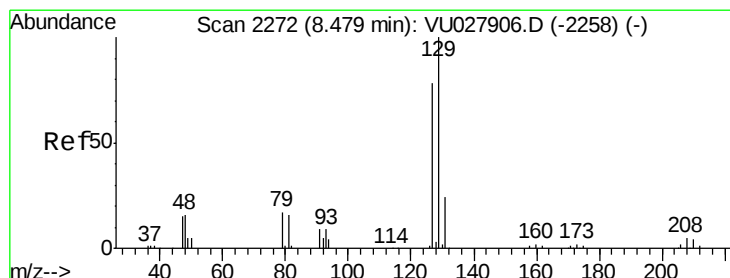
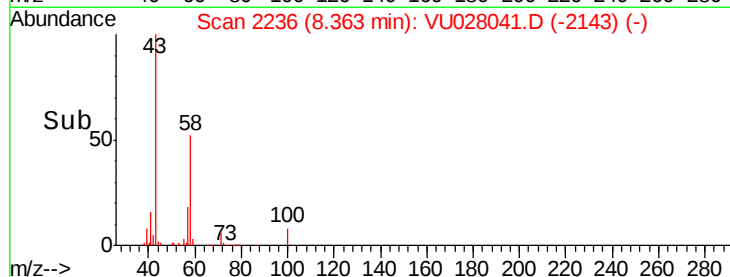
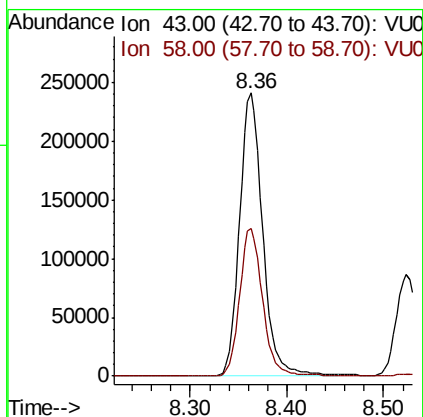
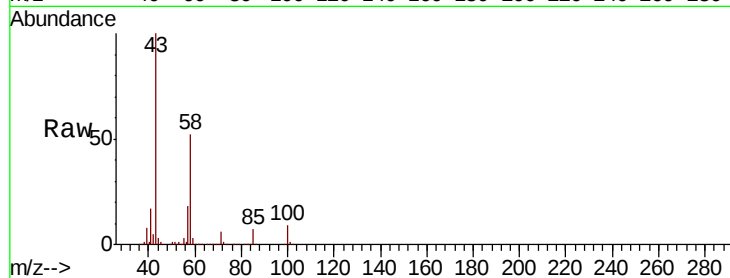




#59
2-Hexanone
Concen: 101.247 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

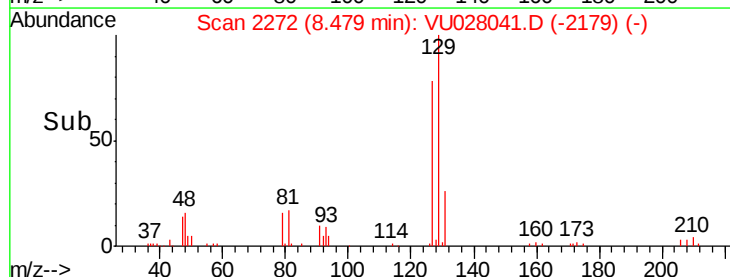
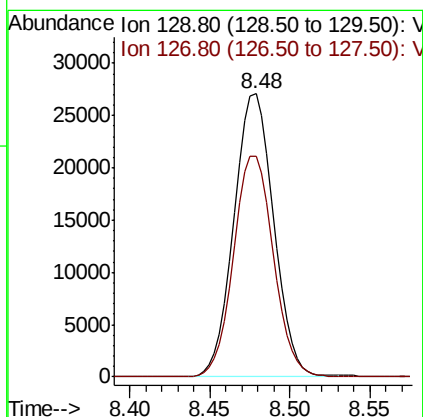
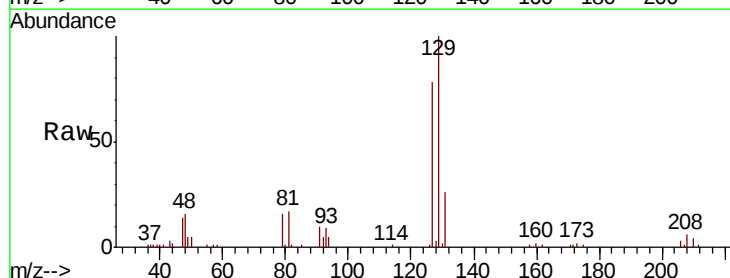
Instrument :
MSVOA_U
ClientSampleId :
VU1109WBSD01

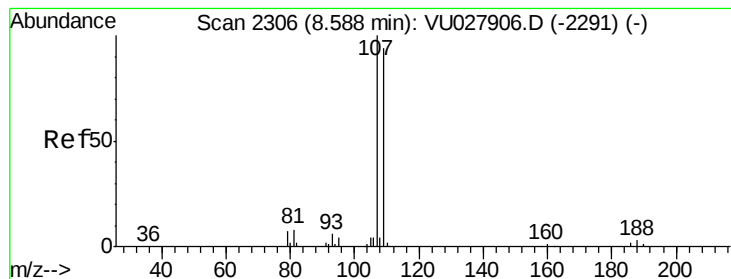
Tot Ion: 43 Resp: 399243
Ion Ratio Lower Upper
43 100
58 52.1 25.8 77.3



#60
Dibromochloromethane
Concen: 19.976 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

Tgt Ion:129 Resp: 45970
Ion Ratio Lower Upper
129 100
127 78.0 39.2 117.6





#61

1,2-Dibromoethane

Concen: 20.892 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

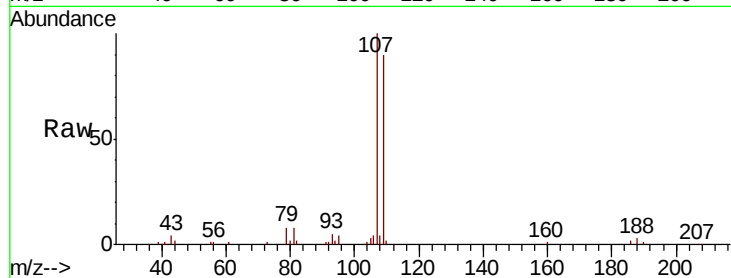
VU1109WBSD01

Tot Ion:107 Resp: 53987

Ion Ratio Lower Upper

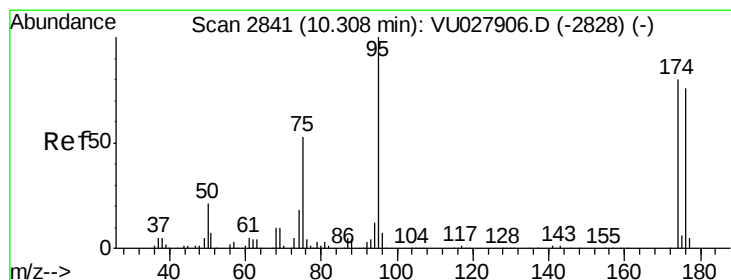
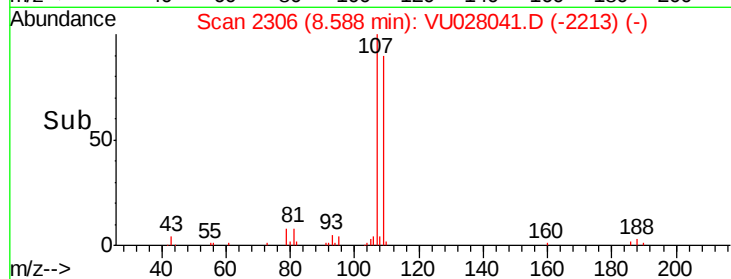
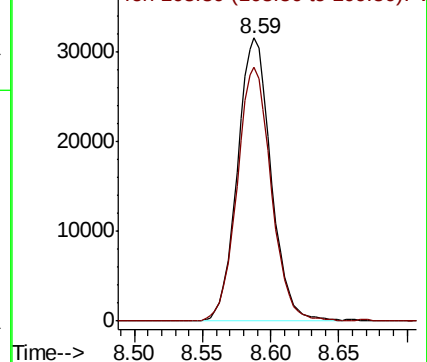
107 100

109 91.0 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: 53.601 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

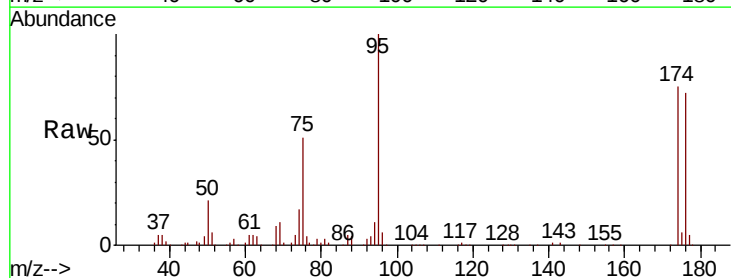
Tgt Ion: 95 Resp: 152904

Ion Ratio Lower Upper

95 100

174 75.4 0.0 156.4

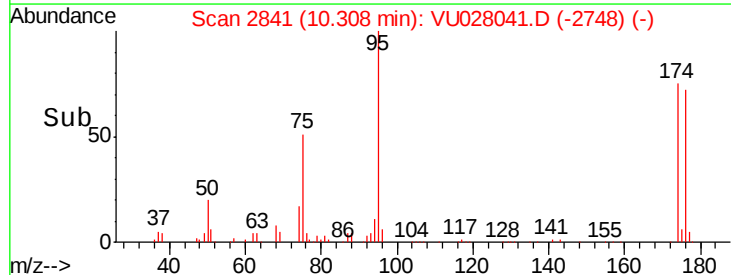
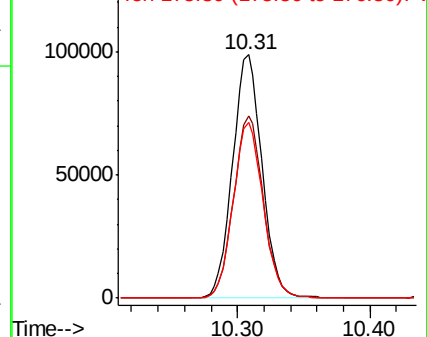
176 73.1 0.0 150.8

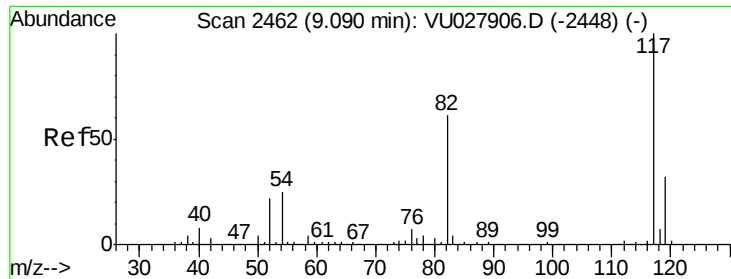


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

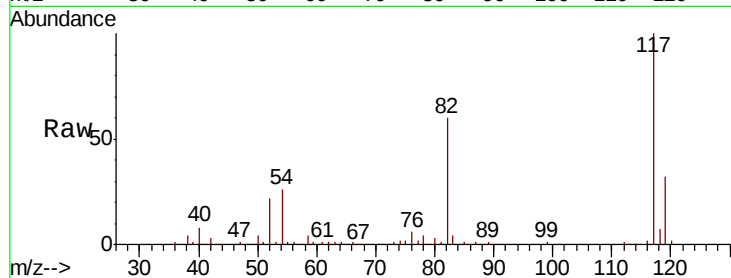




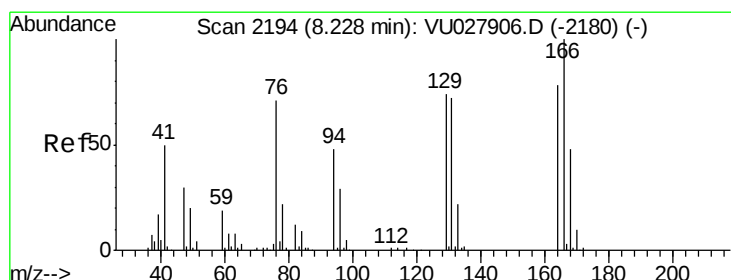
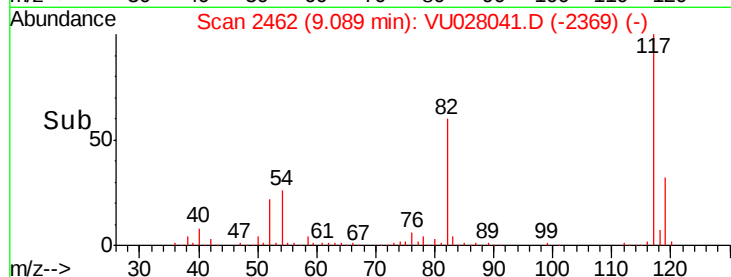
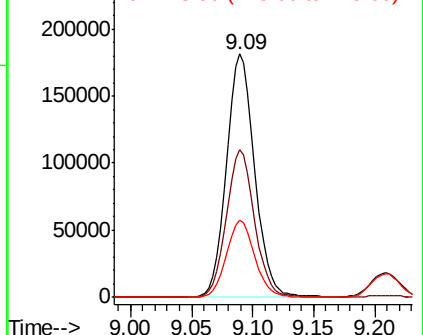
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

Instrument :
MSVOA_U
ClientSampleId :
VU1109WBSD01

Tot Ion:117 Resp: 294175
Ion Ratio Lower Upper
117 100
82 60.5 48.6 73.0
119 31.6 25.8 38.8

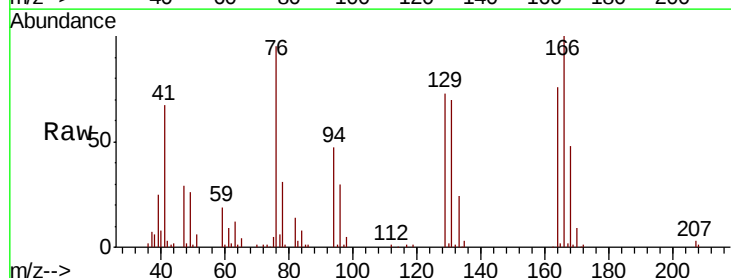


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

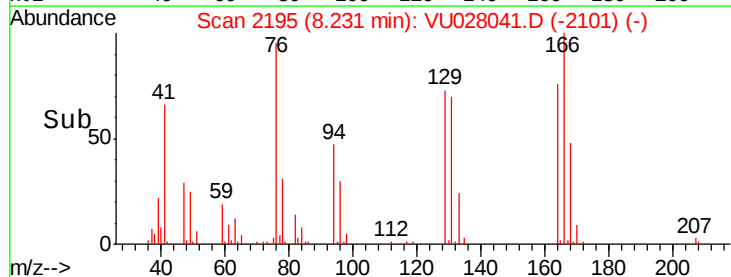
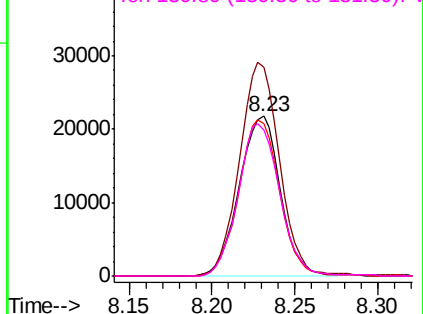


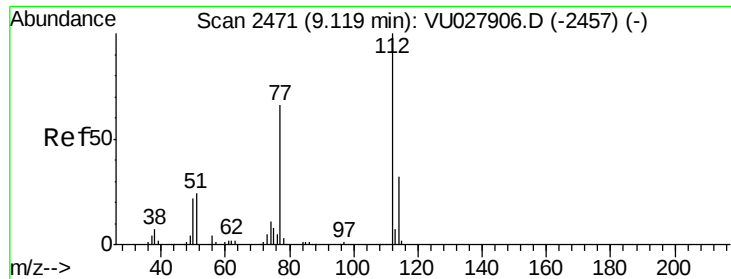
#64
Tetrachloroethene
Concen: 19.661 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

Tgt Ion:164 Resp: 37504
Ion Ratio Lower Upper
164 100
166 131.2 102.1 153.1
129 95.6 75.9 113.9
131 91.6 73.0 109.6



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

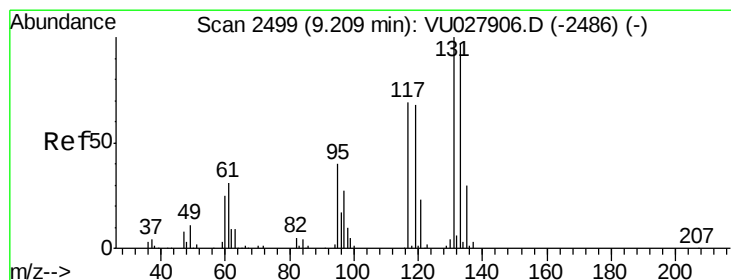
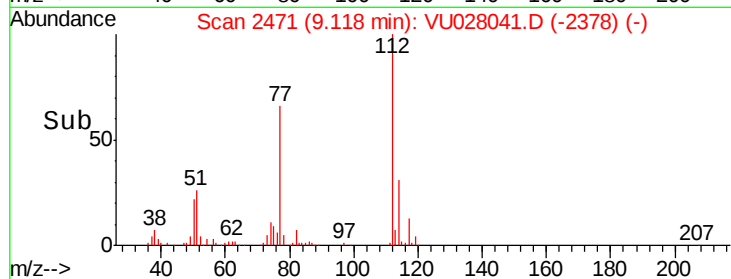
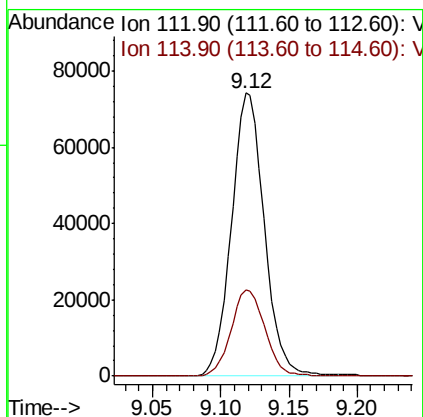
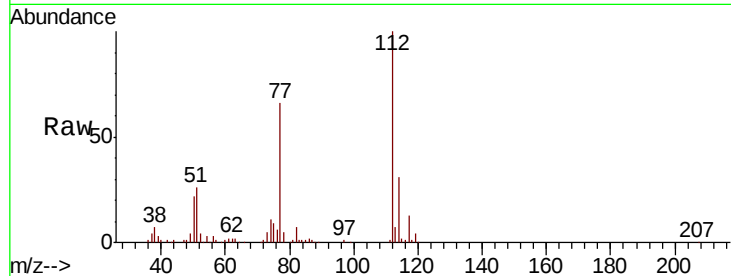




#65
Chlorobenzene
Concen: 19.957 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

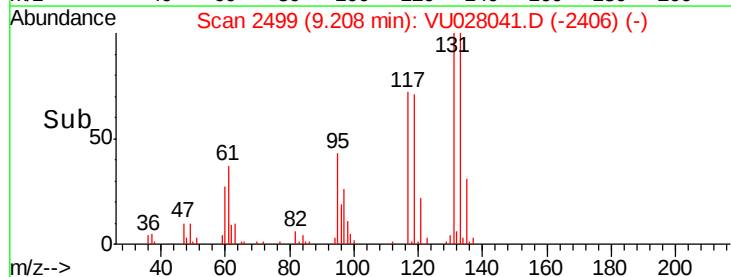
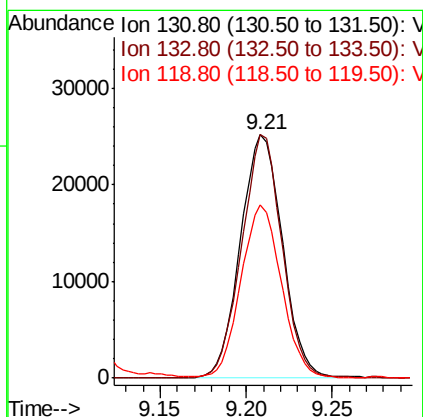
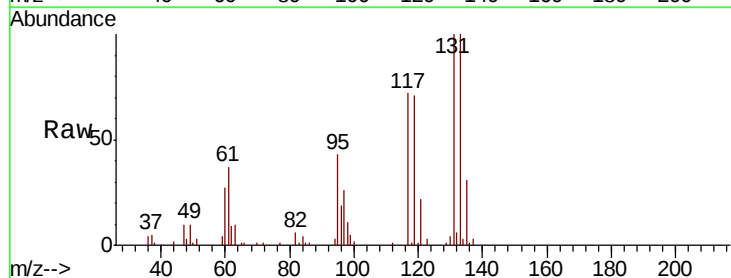
Instrument :
MSVOA_U
ClientSampleId :
VU1109WBSD01

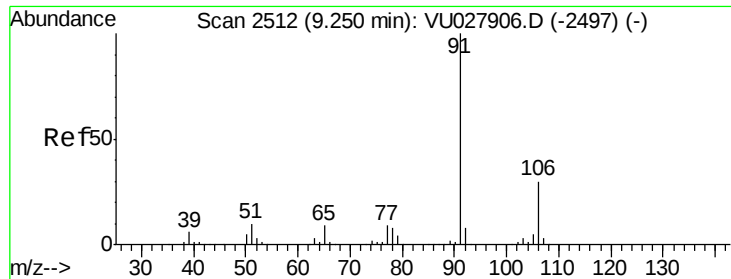
Tot Ion:112 Resp: 124036
Ion Ratio Lower Upper
112 100
114 30.6 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.091 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

Tgt Ion:131 Resp: 42650
Ion Ratio Lower Upper
131 100
133 96.2 48.1 144.4
119 68.8 34.0 101.8

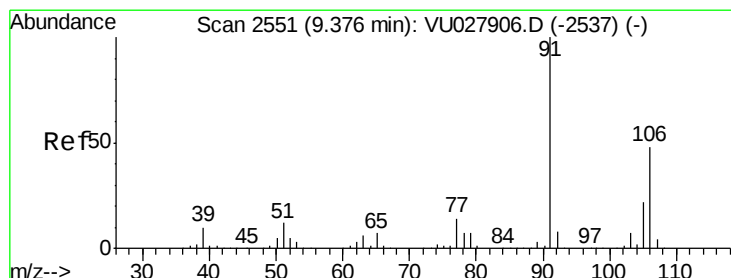
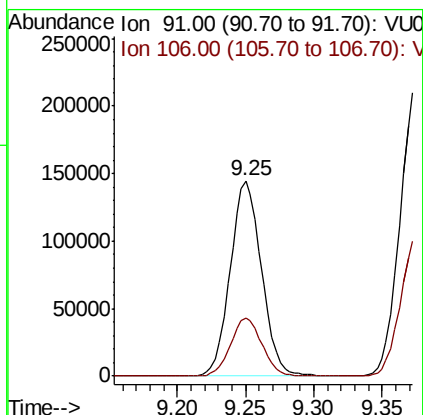
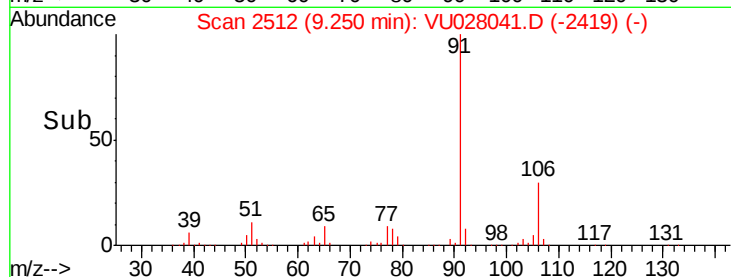
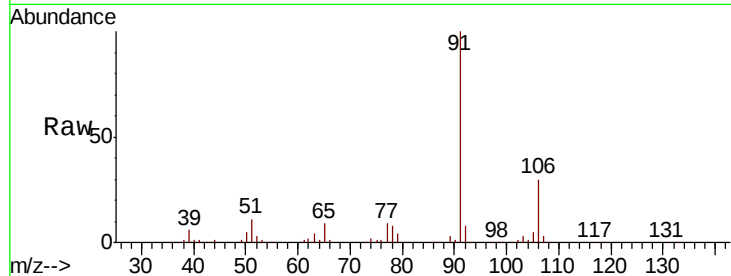




#67
Ethyl Benzene
Concen: 20.140 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

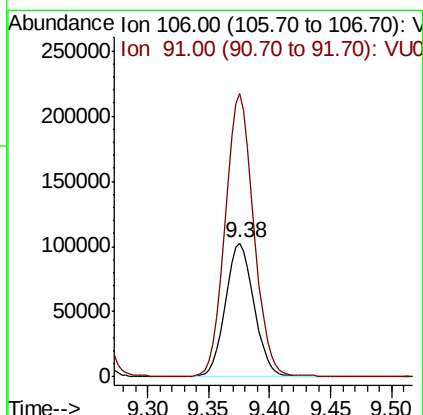
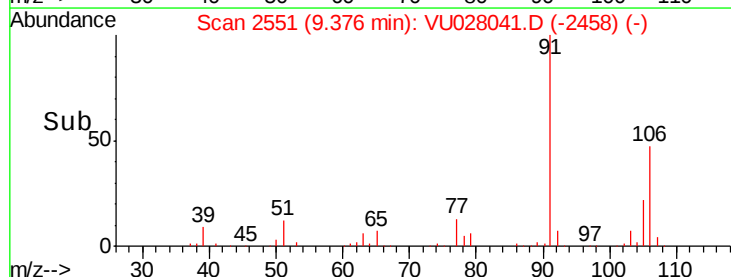
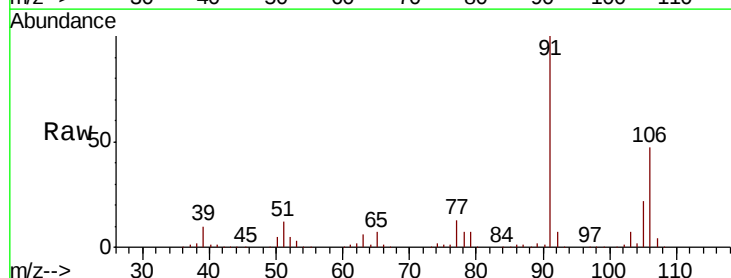
Instrument :
MSVOA_U
ClientSampleId :
VU1109WBSD01

Tot Ion: 91 Resp: 230407
Ion Ratio Lower Upper
91 100
106 29.7 23.6 35.4



#68
m/p-Xylenes
Concen: 40.865 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

Tgt Ion: 106 Resp: 169625
Ion Ratio Lower Upper
106 100
91 210.5 168.2 252.4

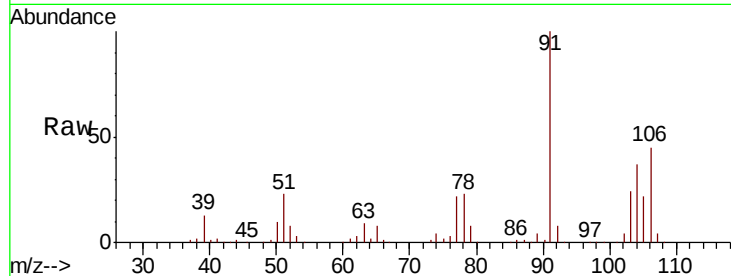




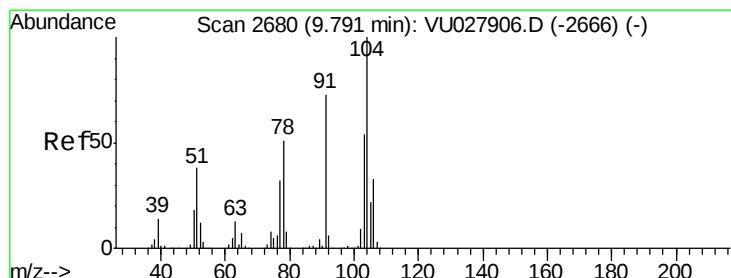
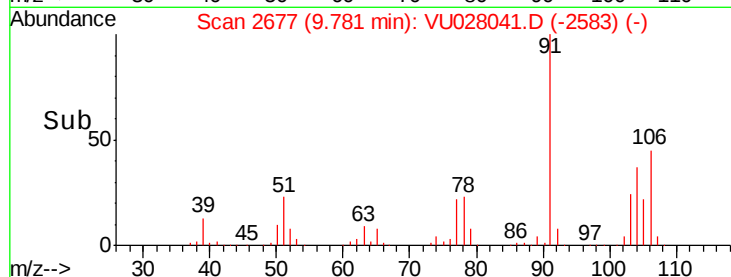
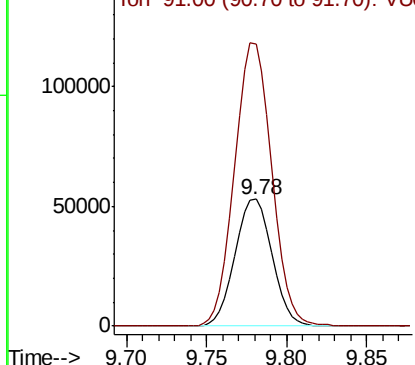
#69
o-Xylene
Concen: 19.988 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

Instrument :
MSVOA_U
ClientSampleId :
VU1109WBSD01

Tot Ion:106 Resp: 83780
Ion Ratio Lower Upper
106 100
91 223.2 111.1 333.4

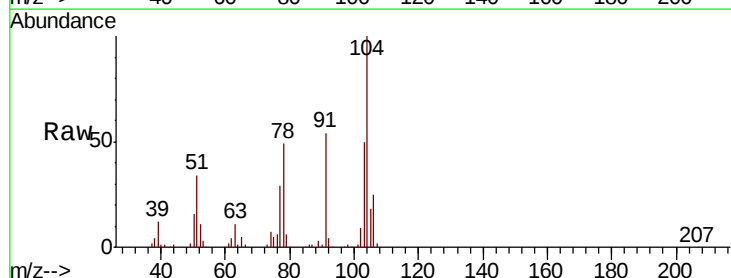


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

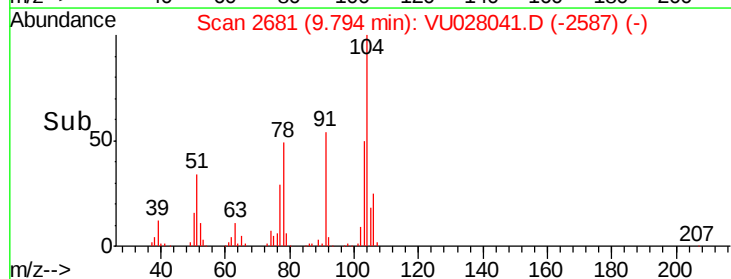
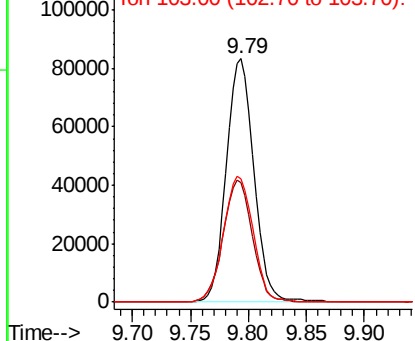


#70
Styrene
Concen: 20.418 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

Tgt Ion:104 Resp: 136744
Ion Ratio Lower Upper
104 100
78 53.4 43.0 64.4
103 55.6 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: 19.352 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

VU1109WBSD01

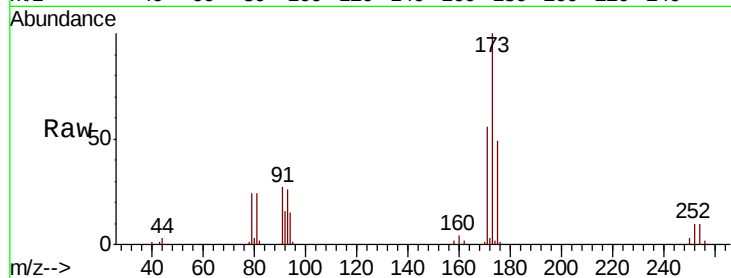
Tot Ion:173 Resp: 34429

Ion Ratio Lower Upper

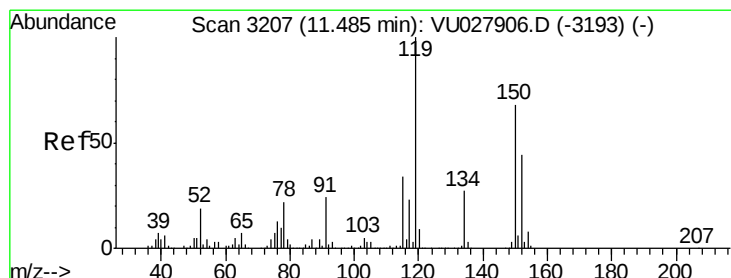
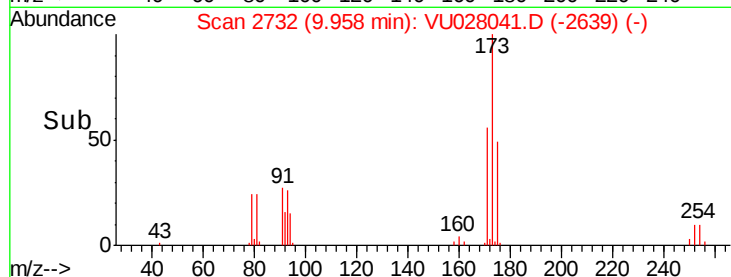
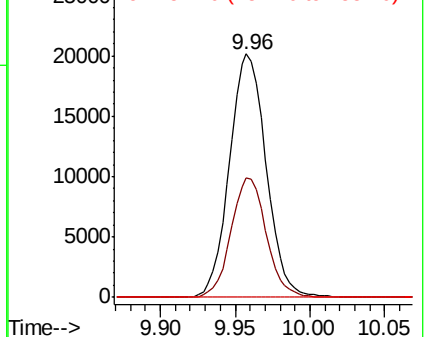
173 100

175 47.0 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: VU028041.D

Acq: 09 Nov 2018 13:50

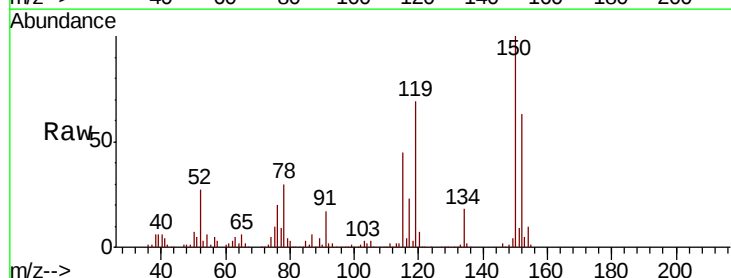
Tgt Ion:152 Resp: 140373

Ion Ratio Lower Upper

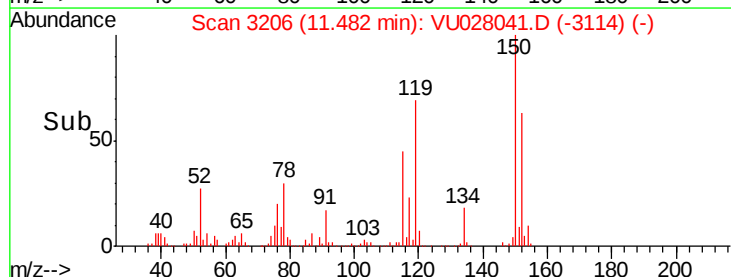
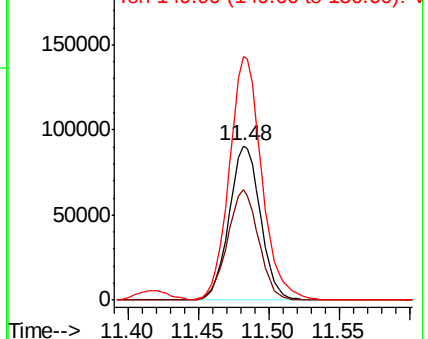
152 100

115 71.4 43.0 129.0

150 163.4 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: 20.780 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

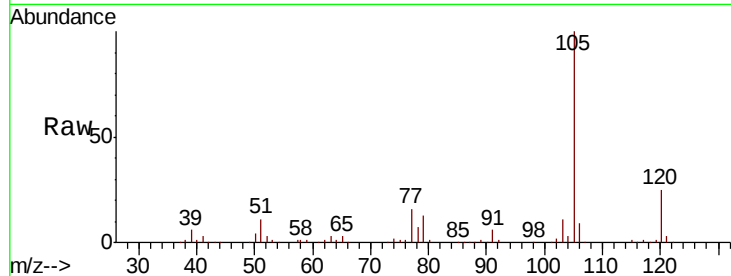
VU1109WBSD01

Tot Ion:105 Resp: 225970

Ion Ratio Lower Upper

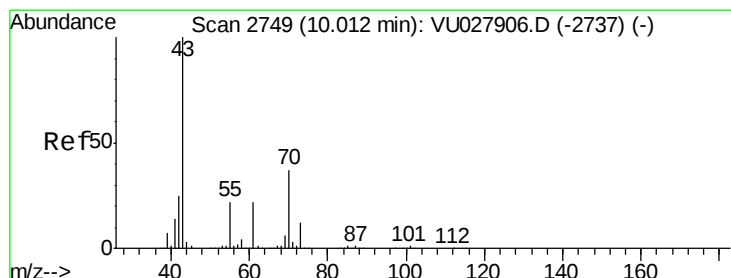
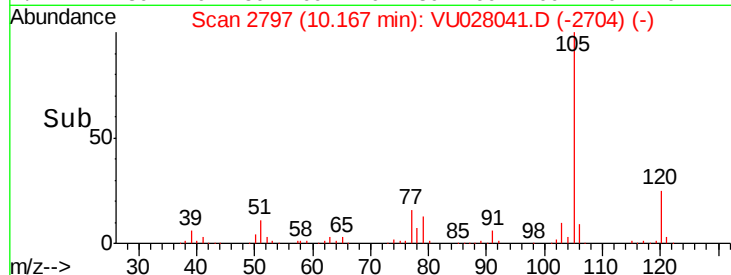
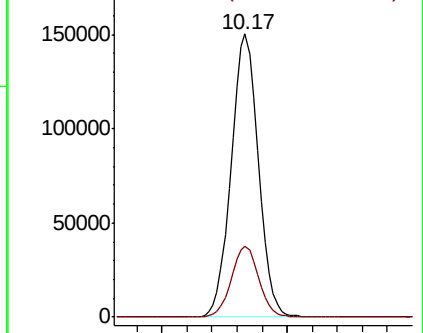
105 100

120 25.3 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.577 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

Tgt Ion: 43 Resp: 135309

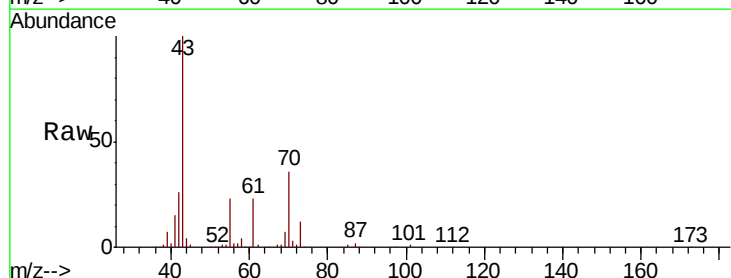
Ion Ratio Lower Upper

43 100

70 35.7 29.2 43.8

55 22.9 17.8 26.6

61 23.0 17.8 26.8

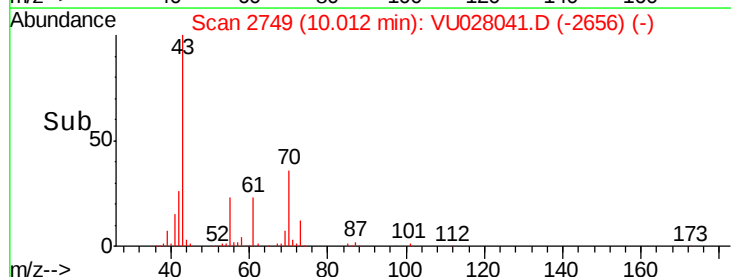
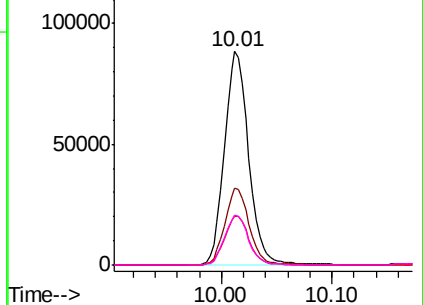


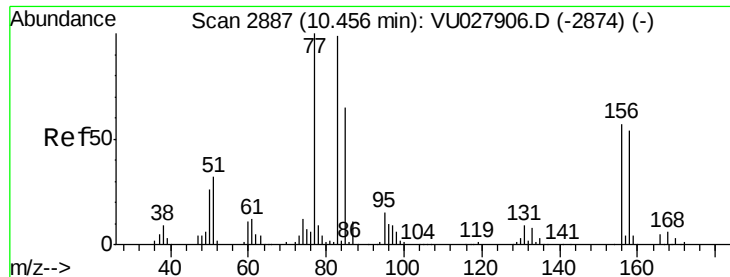
Abundance Ion 43.00 (42.70 to 43.70): VU0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.148 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

VU1109WBSD01

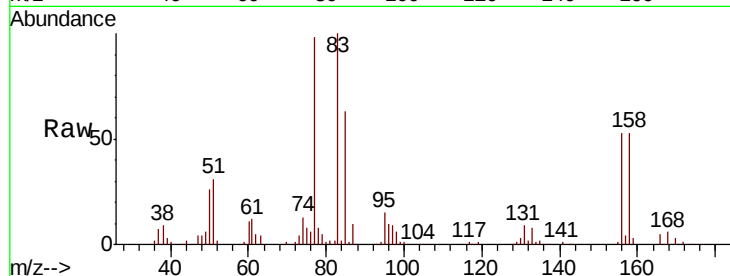
Tot Ion: 83 Resp: 88380

Ion Ratio Lower Upper

83 100

131 8.6 4.3 13.1

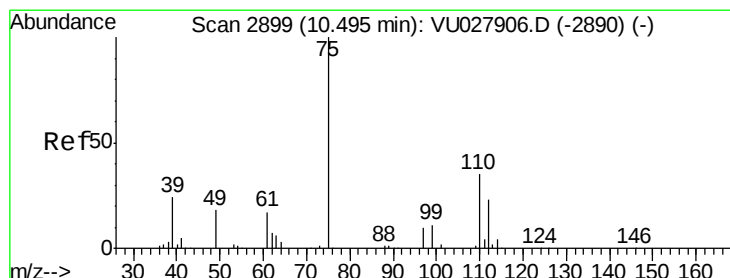
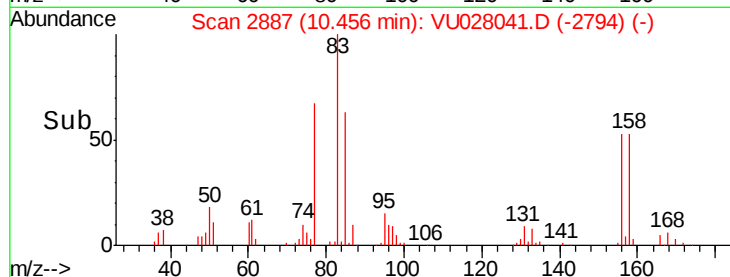
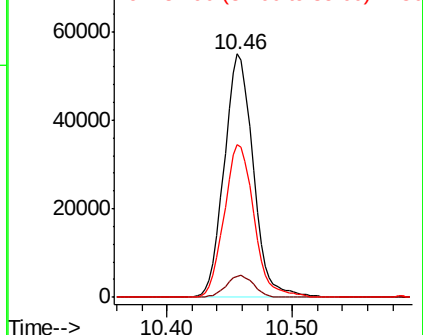
85 64.5 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VU028041.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU028041.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU028041.D (-2794) (-)



#76

1,2,3-Trichloropropane

Concen: 26.889 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU028041.D

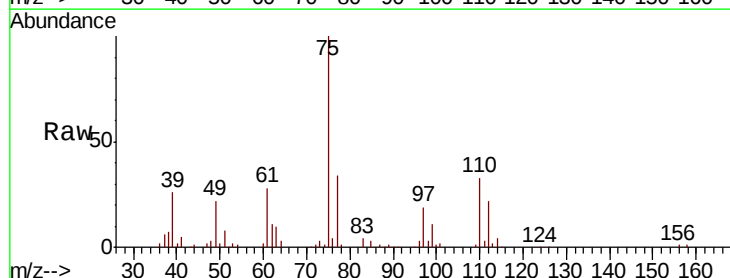
Acq: 09 Nov 2018 13:50

Tgt Ion: 75 Resp: 103245

Ion Ratio Lower Upper

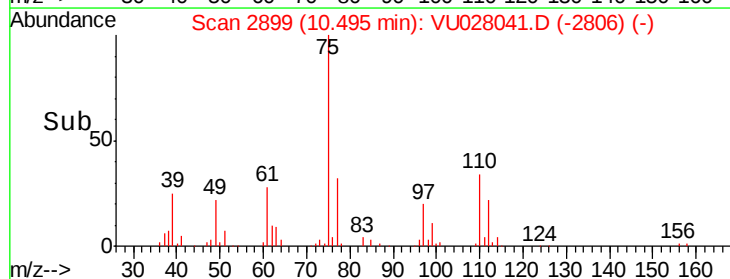
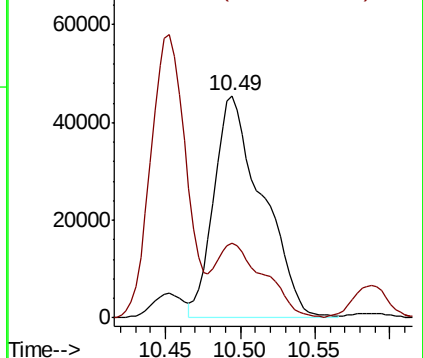
75 100

77 33.3 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VU028041.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU028041.D (-2806) (-)





#77

Bromobenzene

Concen: 20.148 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

VU1109WBSD01

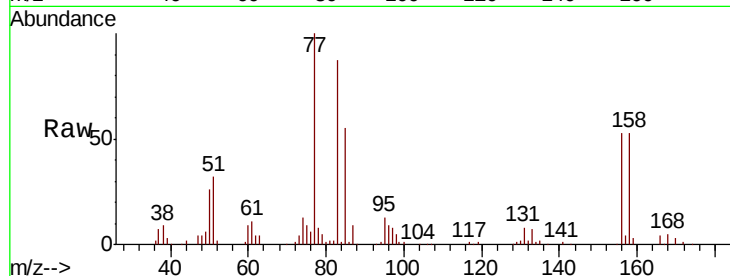
Tot Ion:156 Resp: 50241

Ion Ratio Lower Upper

156 100

77 191.4 91.8 275.6

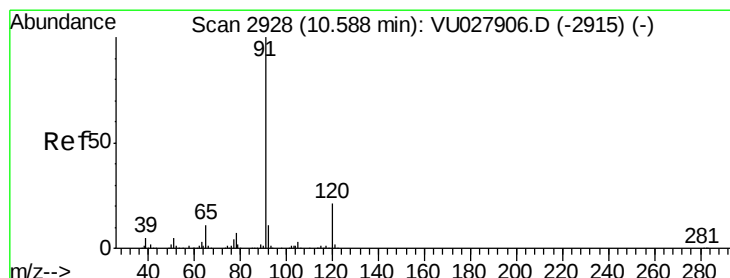
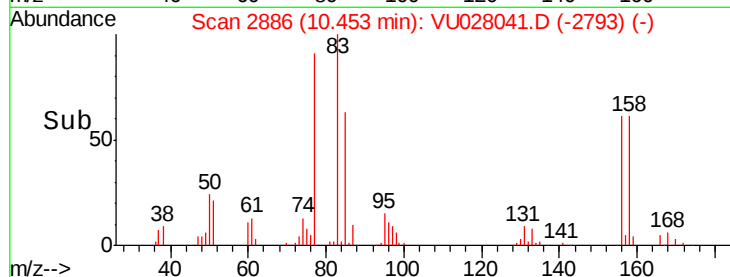
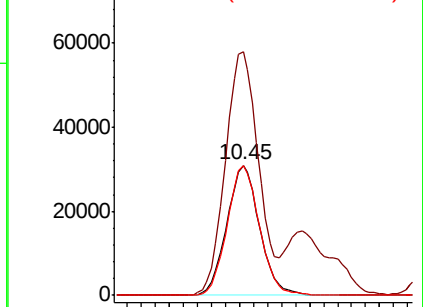
158 98.3 48.4 145.2



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: 20.668 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU028041.D

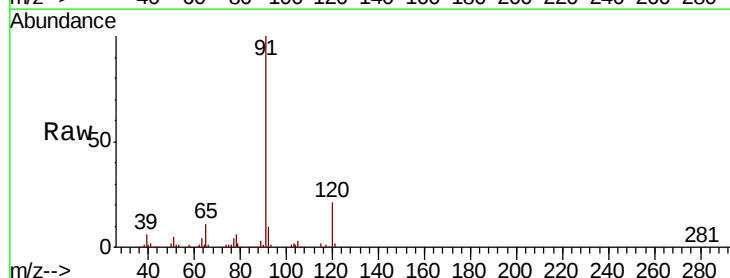
Acq: 09 Nov 2018 13:50

Tgt Ion: 91 Resp: 269036

Ion Ratio Lower Upper

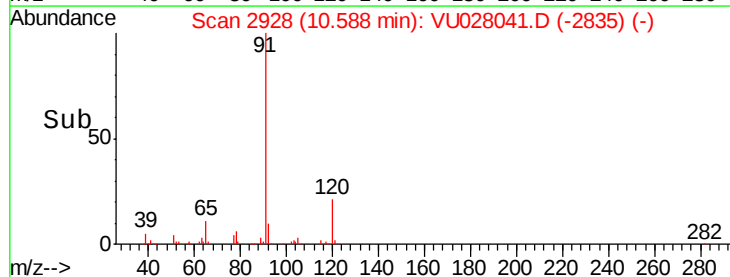
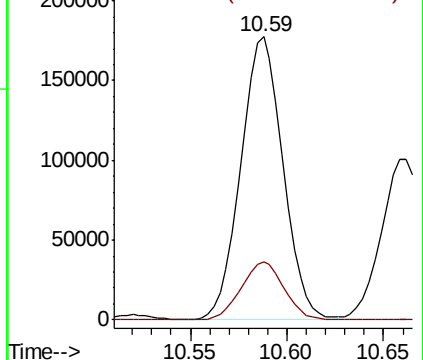
91 100

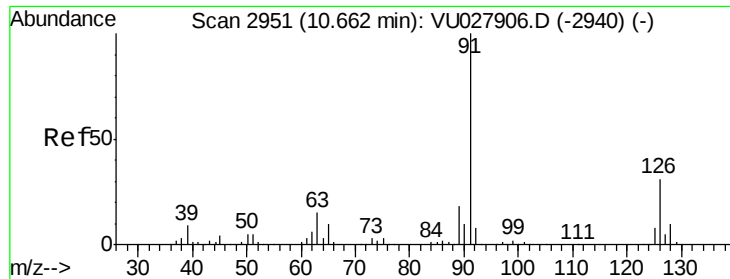
120 20.8 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

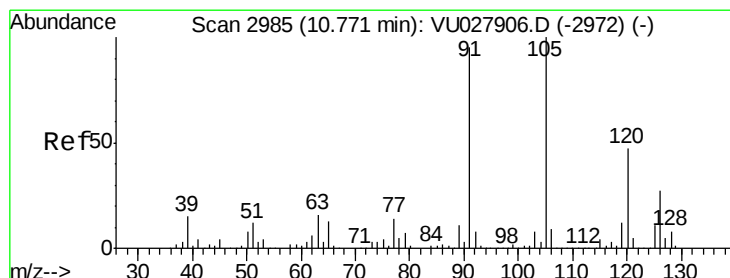
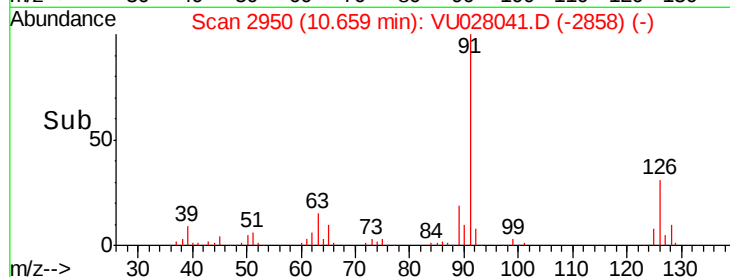
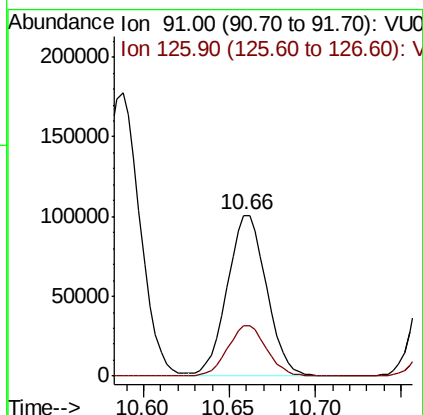
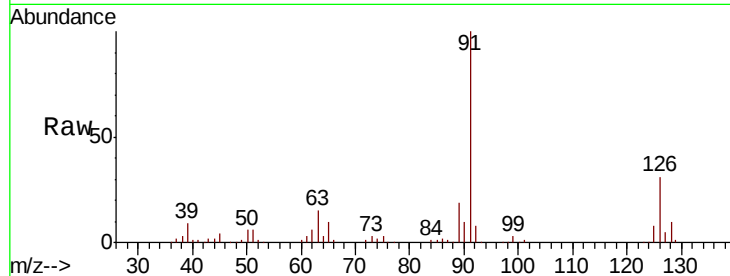




#79
 2-Chlorotoluene
 Concen: 20.418 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028041.D
 Acq: 09 Nov 2018 13:50

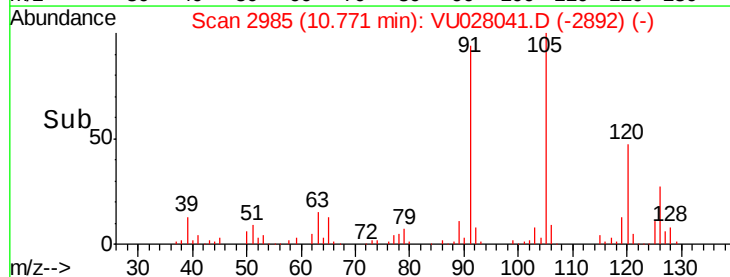
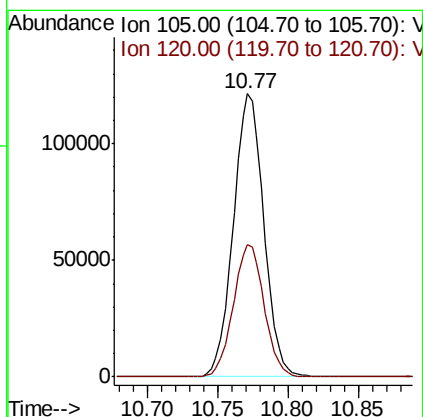
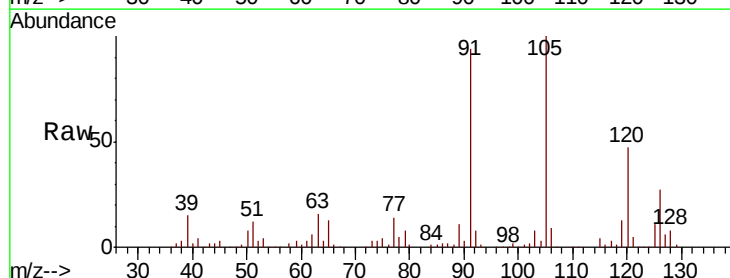
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1109WBSD01

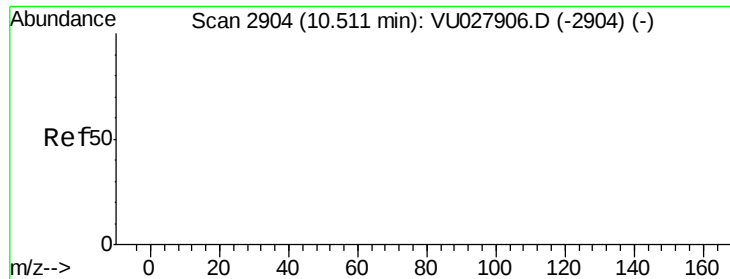
Tot Ion: 91 Resp: 159305
 Ion Ratio Lower Upper
 91 100
 126 31.1 16.0 47.9



#80
 1,3,5-Trimethylbenzene
 Concen: 20.376 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028041.D
 Acq: 09 Nov 2018 13:50

Tgt Ion: 105 Resp: 183556
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 67.047 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

VU1109WBSD01

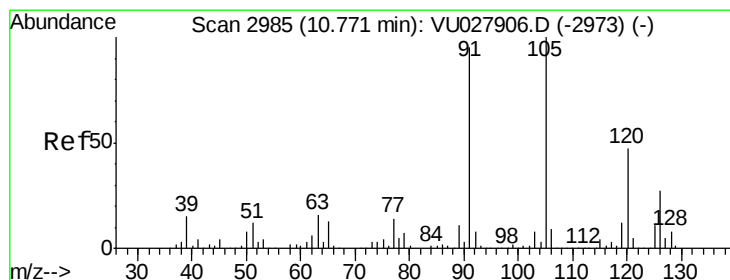
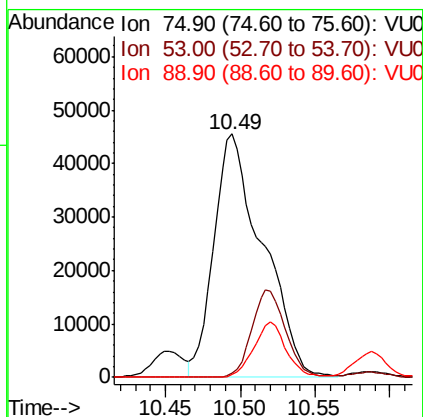
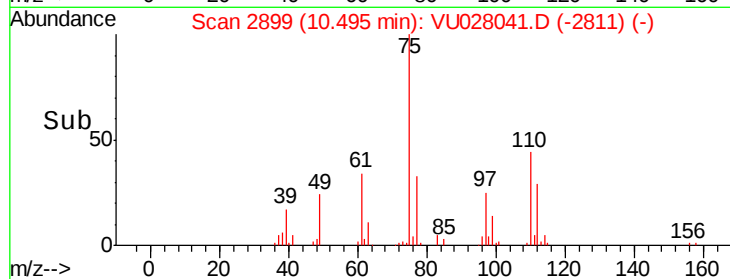
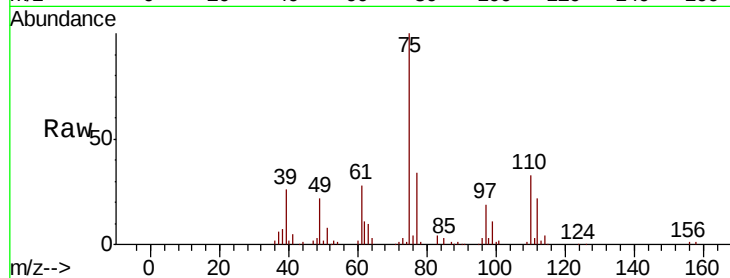
Tot Ion: 75 Resp: 103245

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 20.070 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028041.D

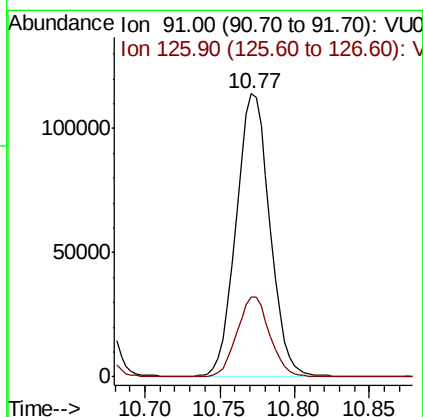
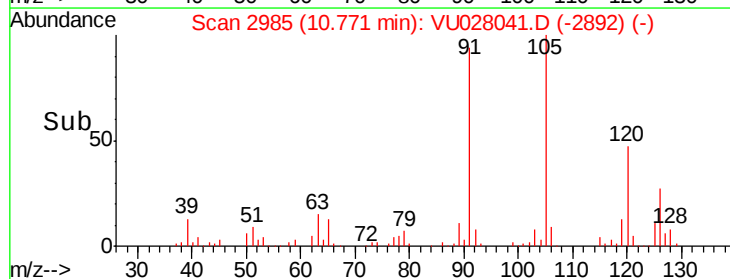
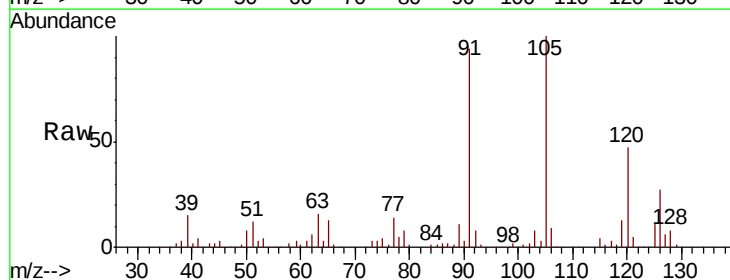
Acq: 09 Nov 2018 13:50

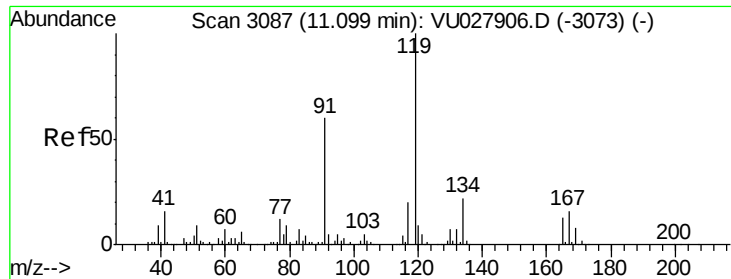
Tgt Ion: 91 Resp: 177777

Ion Ratio Lower Upper

91 100

126 27.9 14.2 42.6

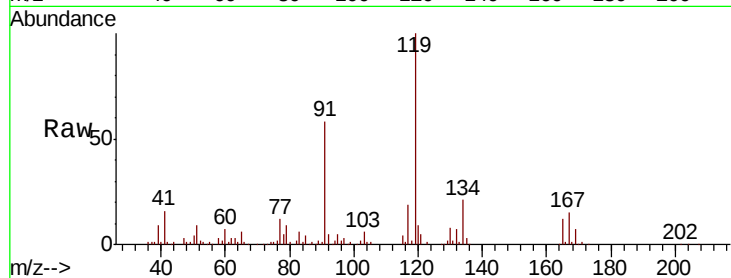




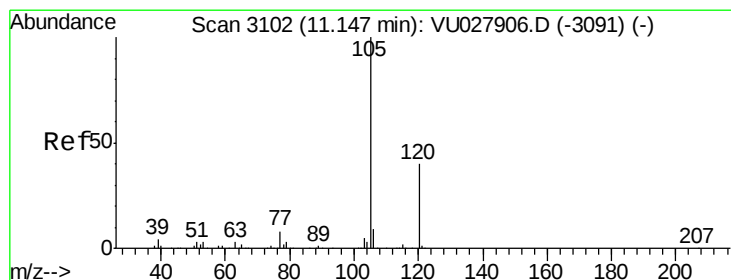
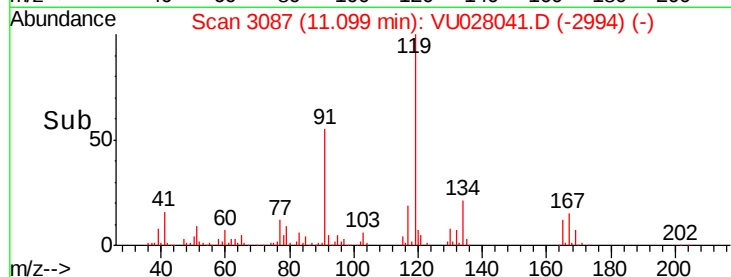
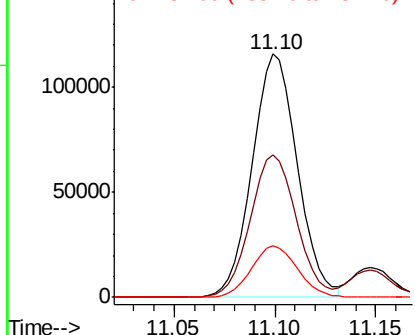
#83
tert-Butylbenzene
Concen: 20.144 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

Instrument :
MSVOA_U
ClientSampleId :
VU1109WBSD01

Tot Ion:119 Resp: 181413
Ion Ratio Lower Upper
119 100
91 59.8 29.8 89.3
134 21.7 11.1 33.1

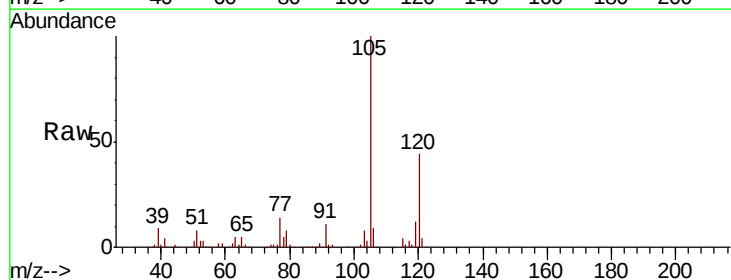


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

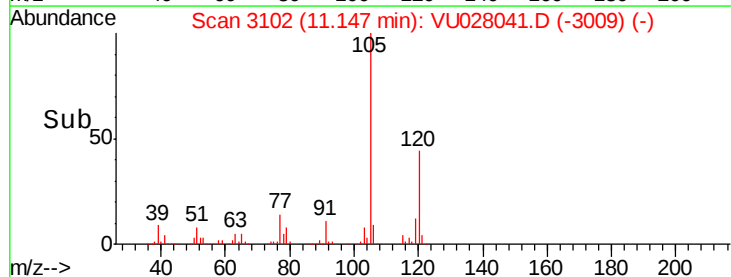
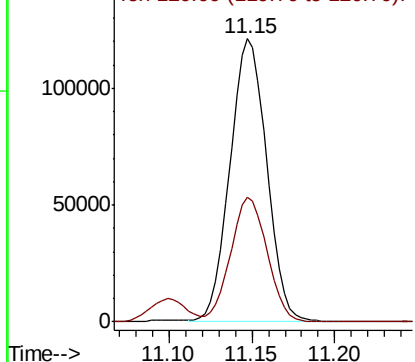


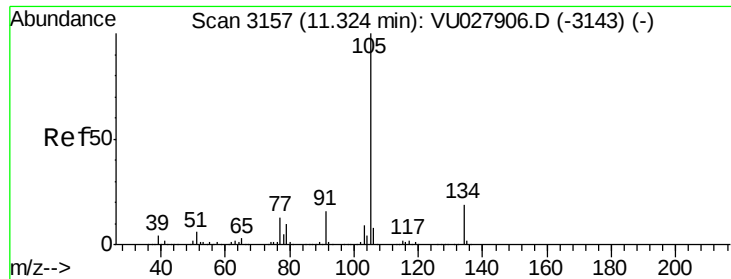
#84
1,2,4-Trimethylbenzene
Concen: 20.411 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

Tgt Ion:105 Resp: 185153
Ion Ratio Lower Upper
105 100
120 44.3 22.1 66.1



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

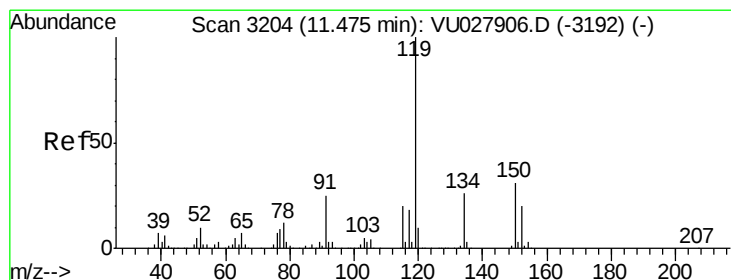
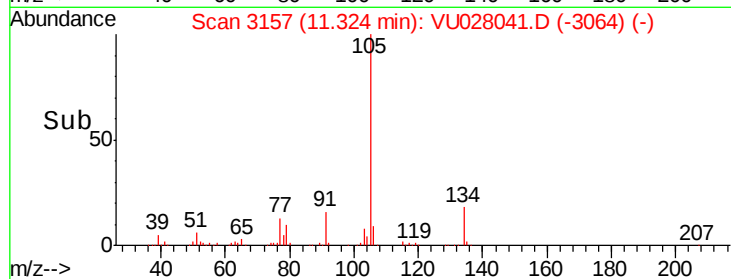
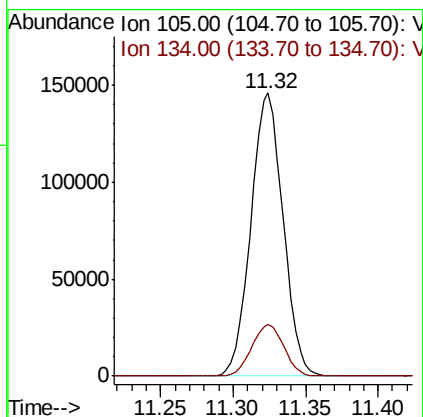
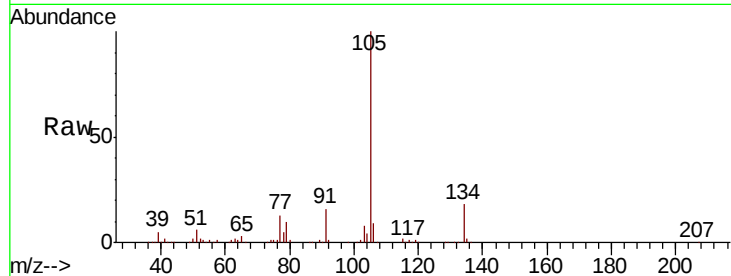




#85
 sec-Butylbenzene
 Concen: 20.619 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU028041.D
 Acq: 09 Nov 2018 13:50

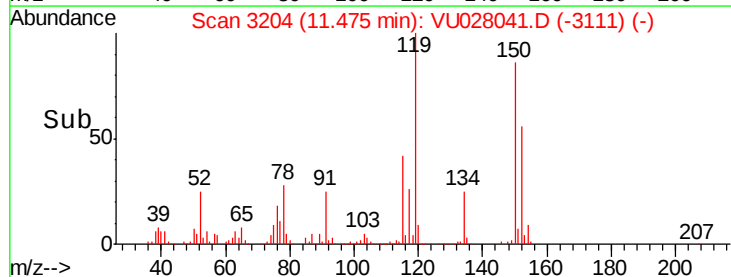
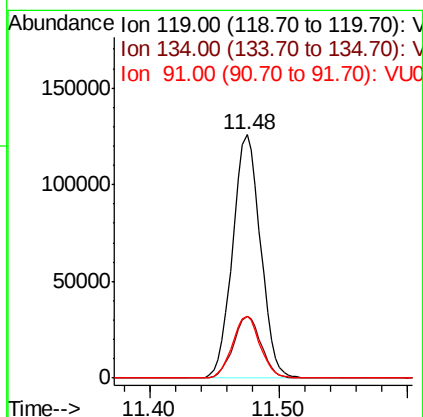
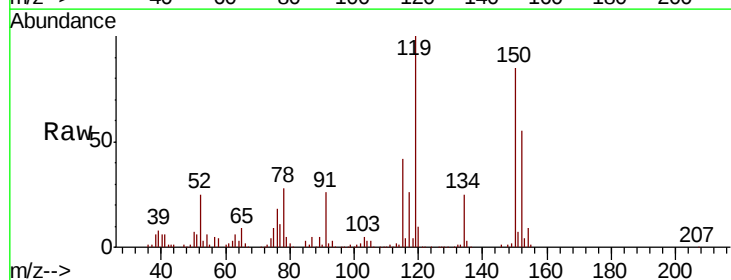
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1109WBSD01

Tot Ion:105 Resp: 225831
 Ion Ratio Lower Upper
 105 100
 134 18.3 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 20.632 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028041.D
 Acq: 09 Nov 2018 13:50

Tgt Ion:119 Resp: 188909
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.9 38.7
 91 25.4 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 20.278 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

VU1109WBSD01

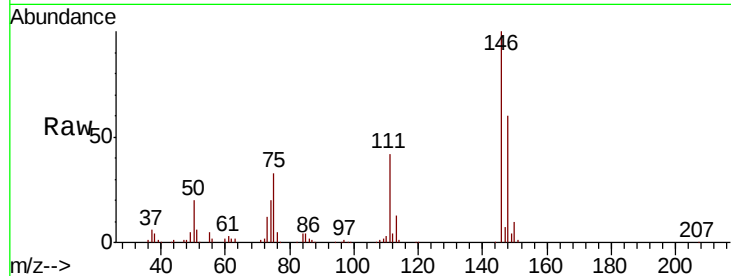
Tot Ion:146 Resp: 93408

Ion Ratio Lower Upper

146 100

111 41.0 20.3 61.0

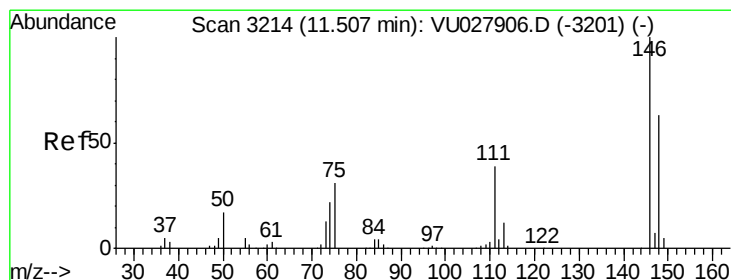
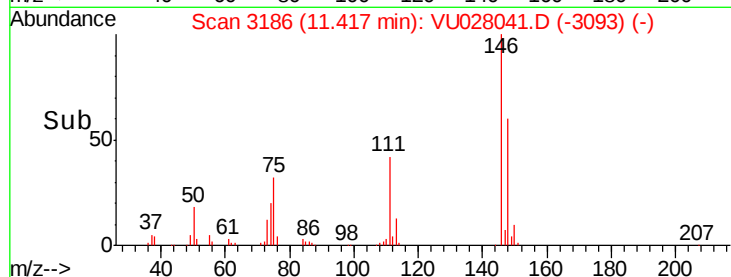
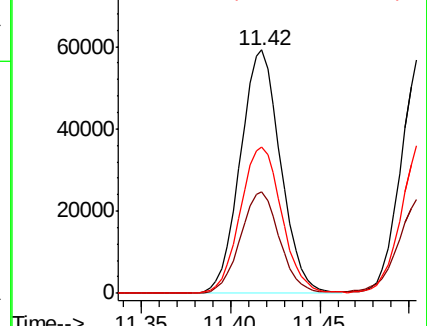
148 62.0 31.8 95.4



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: 19.871 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

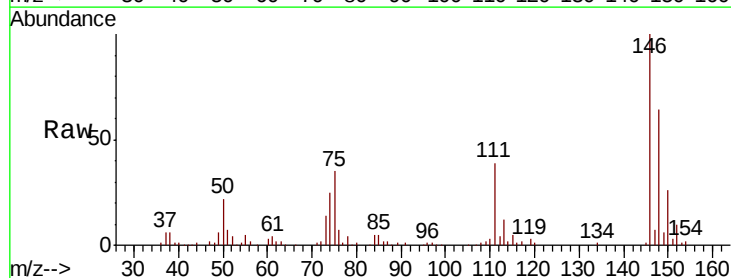
Tgt Ion:146 Resp: 93817

Ion Ratio Lower Upper

146 100

111 42.1 20.3 60.9

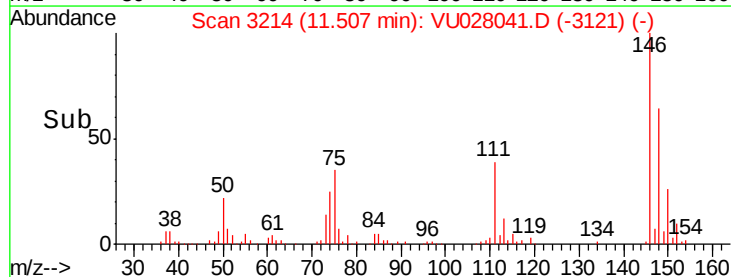
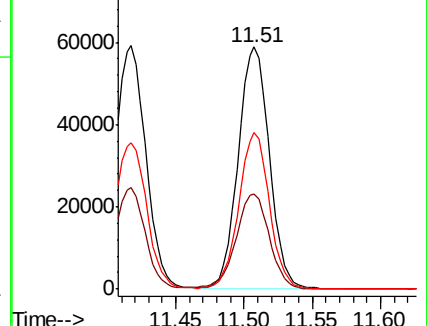
148 63.7 32.0 96.2

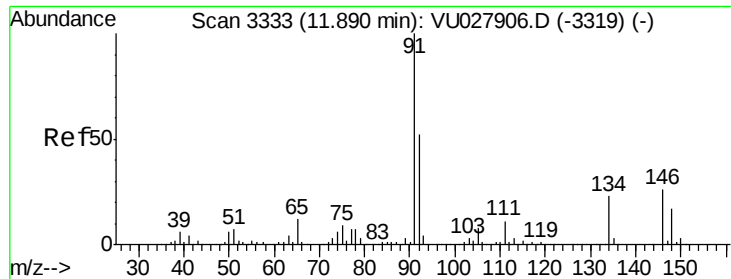


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

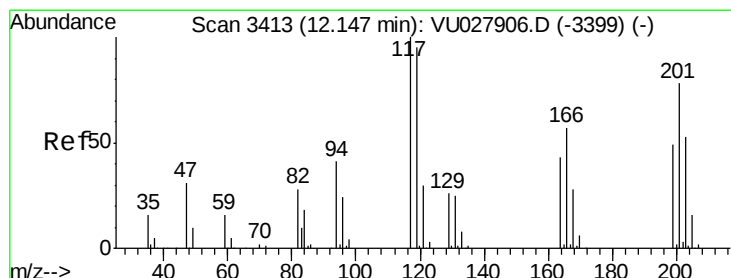
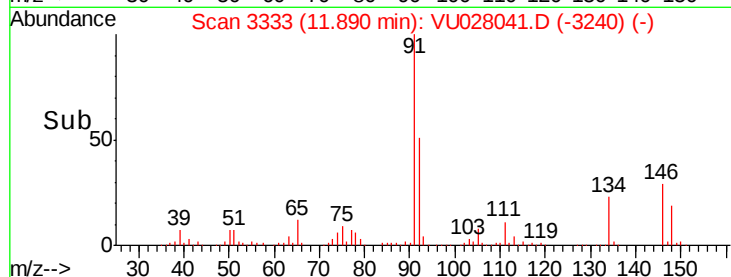
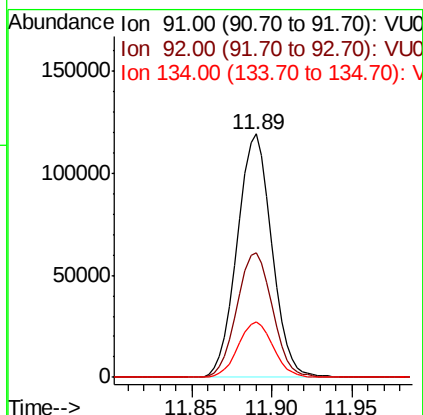
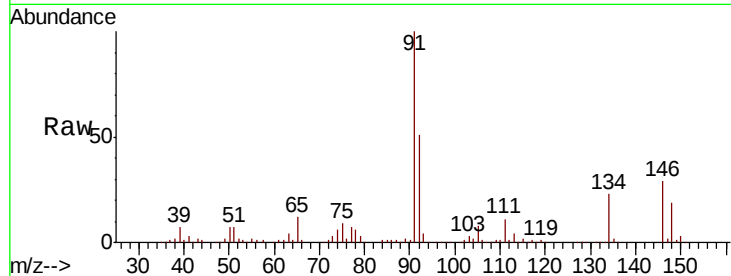




#89
n-Butylbenzene
Concen: 20.253 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

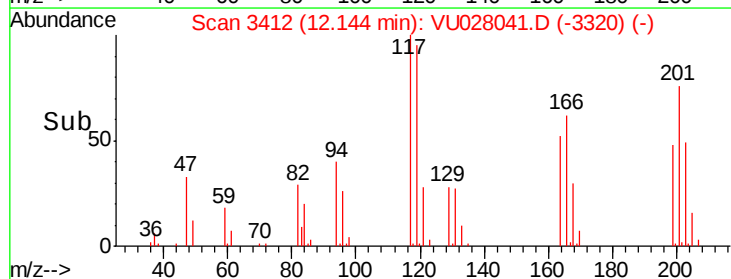
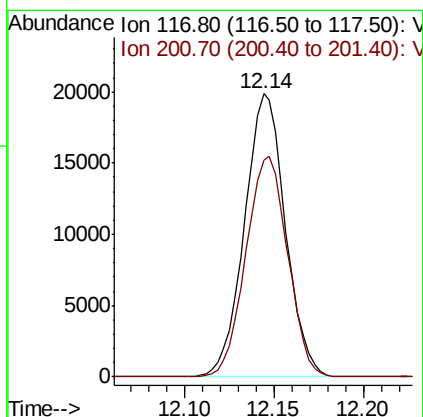
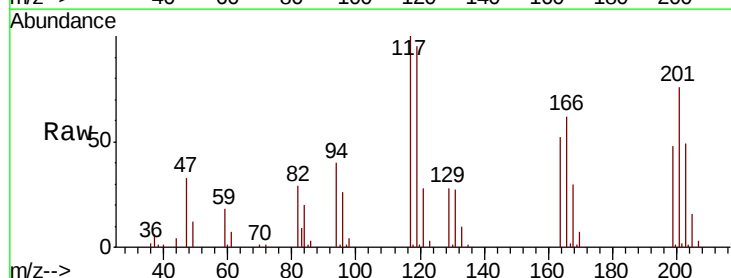
Instrument :
MSVOA_U
ClientSampleId :
VU1109WBSD01

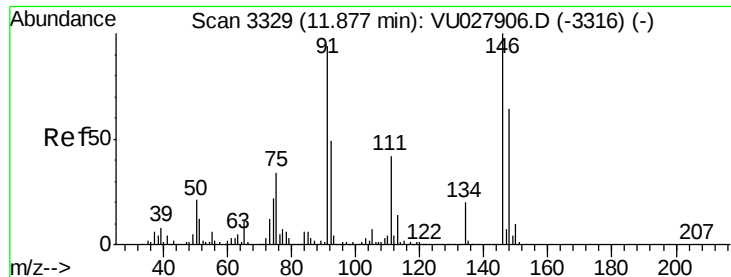
Tot Ion: 91 Resp: 176231
Ion Ratio Lower Upper
91 100
92 52.6 26.2 78.5
134 22.9 11.5 34.5



#90
Hexachloroethane
Concen: 19.485 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028041.D
Acq: 09 Nov 2018 13:50

Tgt Ion: 117 Resp: 31762
Ion Ratio Lower Upper
117 100
201 79.5 38.5 115.5





#91

1,2-Dichlorobenzene

Concen: 20.723 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

VU1109WBSD01

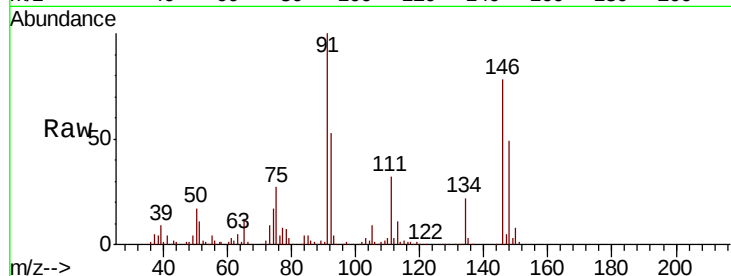
Tot Ion:146 Resp: 95993

Ion Ratio Lower Upper

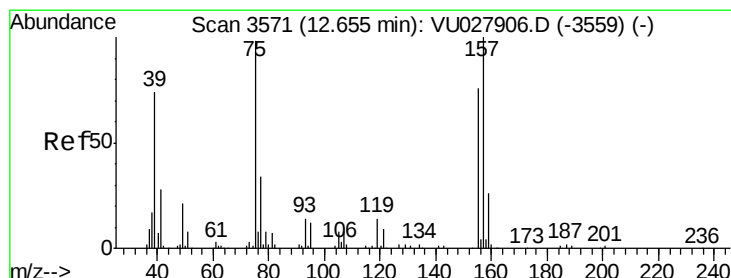
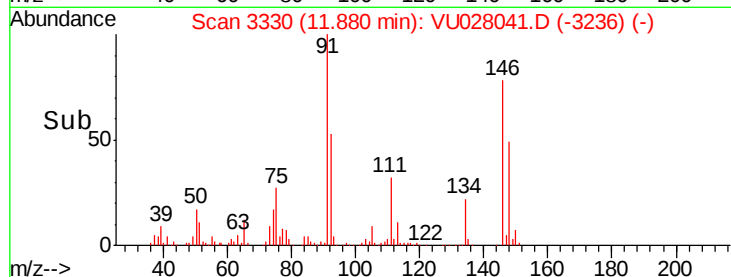
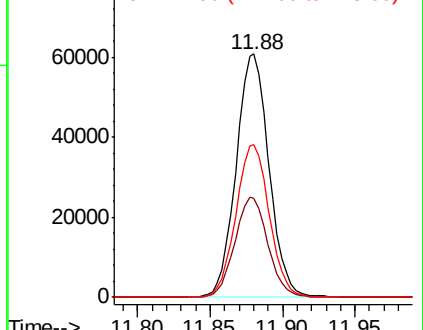
146 100

111 41.5 21.3 64.0

148 63.7 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: 20.909 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

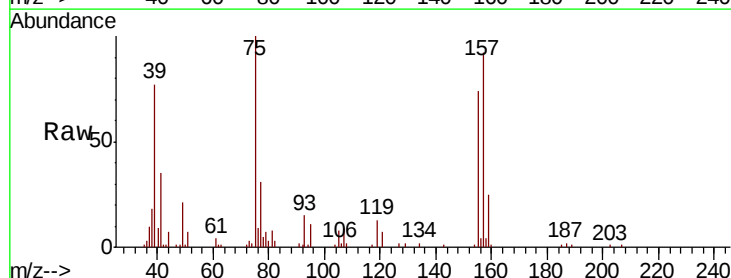
Tgt Ion: 75 Resp: 19326

Ion Ratio Lower Upper

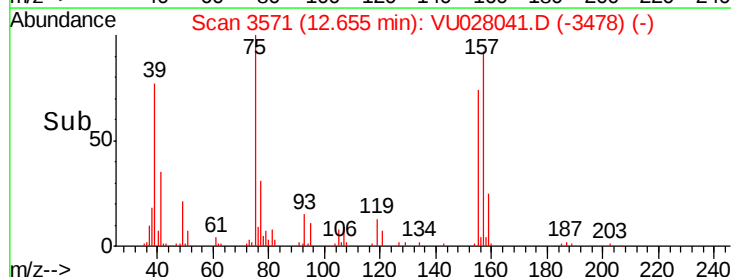
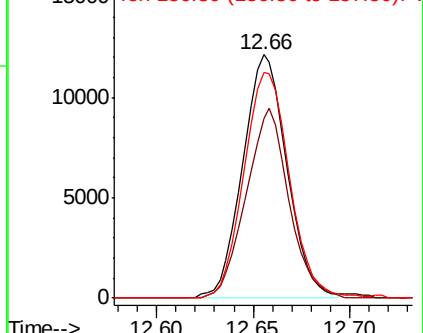
75 100

155 75.3 39.8 119.3

157 95.4 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

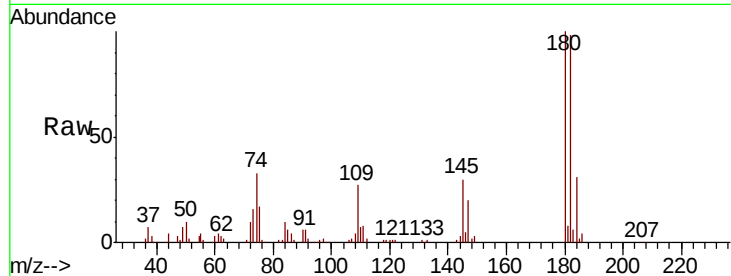




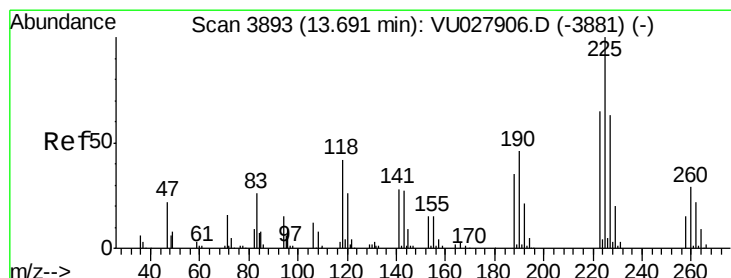
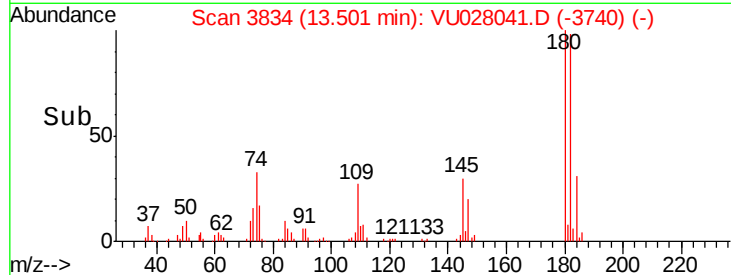
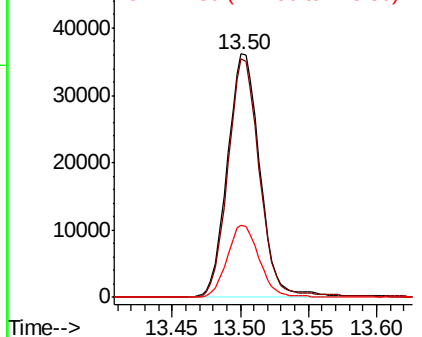
#93
 1,2,4-Trichlorobenzene
 Concen: 18.795 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028041.D
 Acq: 09 Nov 2018 13:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1109WBSD01

Tot Ion:180 Resp: 59652
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.4 145.2
 145 29.0 14.9 44.5

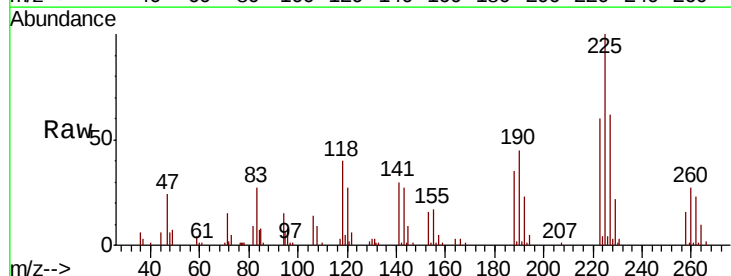


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

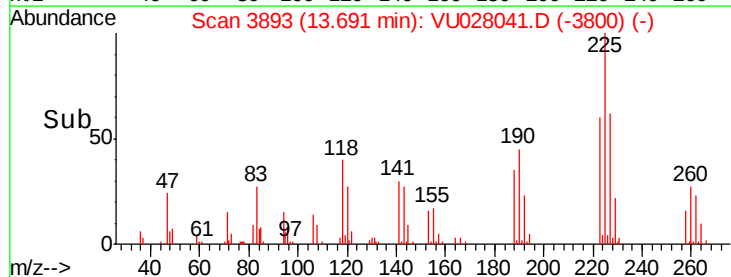
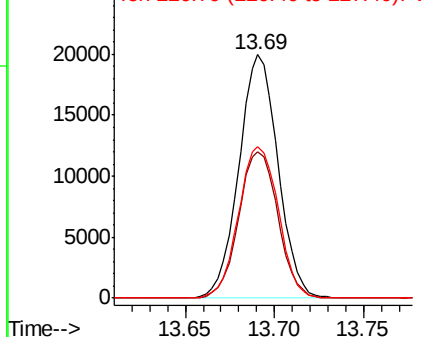


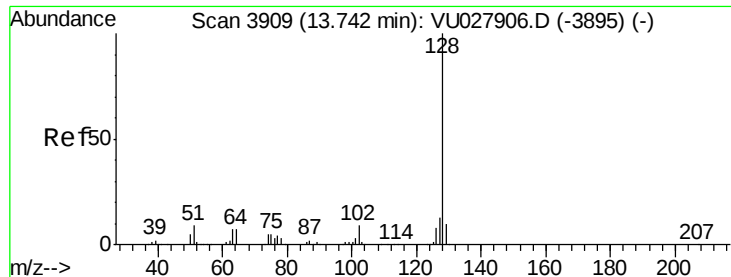
#94
 Hexachlorobutadiene
 Concen: 20.657 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028041.D
 Acq: 09 Nov 2018 13:50

Tgt Ion:225 Resp: 30412
 Ion Ratio Lower Upper
 225 100
 223 60.5 32.2 96.6
 227 63.4 32.5 97.4



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





#95

Naphthalene

Concen: 18.952 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

Instrument :

MSVOA_U

ClientSampleId :

VU1109WBSD01

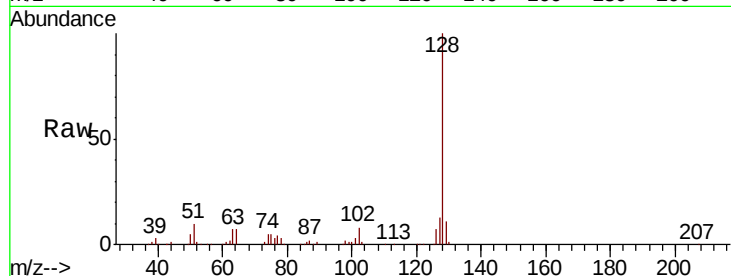
Tot Ion:128 Resp: 219515

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

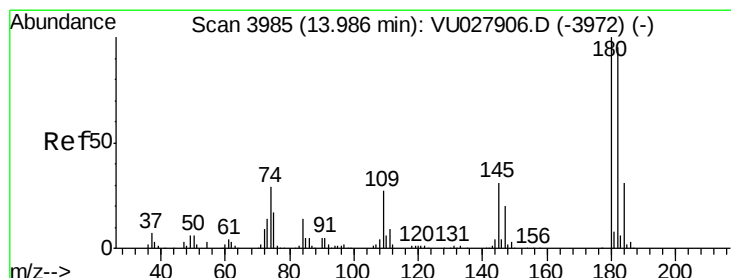
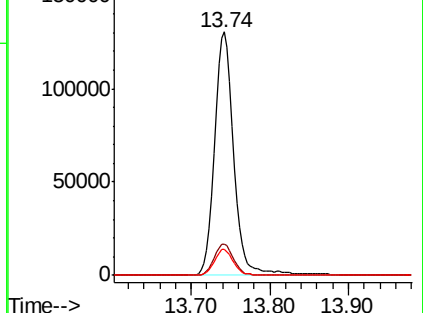
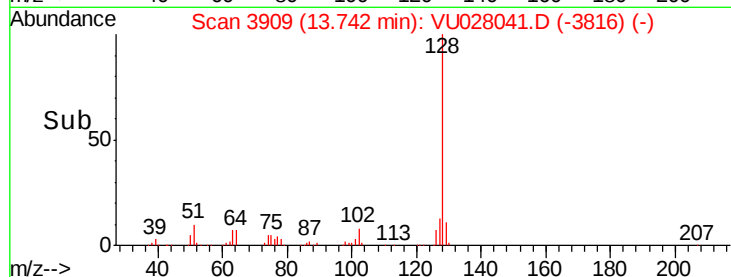
129 10.2 8.3 12.5



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: 20.037 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028041.D

Acq: 09 Nov 2018 13:50

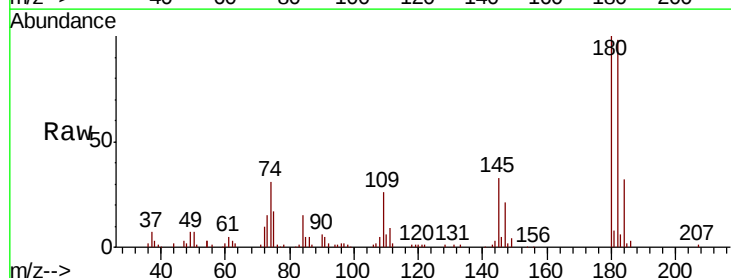
Tgt Ion:180 Resp: 62283

Ion Ratio Lower Upper

180 100

182 96.1 47.4 142.3

145 31.7 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

