

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111218\
 Data File : VU028059.D
 Acq On : 12 Nov 2018 12:56
 Operator : MD/SY
 Sample : VU1112WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBSD01

Quant Time: Nov 13 02:43:48 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	4.98	168	166559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	290898	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	263121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	123199	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	140010	56.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.08%	
35) Dibromofluoromethane	4.88	113	99021	53.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.98%	
50) Toluene-d8	7.57	98	387655	54.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.42%	
62) 4-Bromofluorobenzene	10.31	95	138574	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	34867	16.474	ug/l	95
3) Chloromethane	1.33	50	55157	21.549	ug/l	97
4) Vinyl Chloride	1.40	62	51680	20.343	ug/l	100
5) Bromomethane	1.61	94	25477	26.721	ug/l	99
6) Chloroethane	1.69	64	31841	21.749	ug/l	98
7) Trichlorofluoromethane	1.88	101	60748	20.693	ug/l	95
8) Diethyl Ether	2.11	74	26980	21.464	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.29	101	37898	21.732	ug/l	98
10) Methyl Iodide	2.41	142	37165	27.363	ug/l	99
11) Tert butyl alcohol	2.83	59	70768	107.950	ug/l	100
12) 1,1-Dichloroethene	2.28	96	35597	20.392	ug/l	97
13) Acrolein	2.20	56	16579	63.689	ug/l	96
14) Allyl chloride	2.59	41	84738	19.862	ug/l	99
15) Acrylonitrile	2.94	53	175084	108.725	ug/l	99
16) Acetone	2.32	43	171675	111.739	ug/l	99
17) Carbon Disulfide	2.48	76	109584	19.206	ug/l	99
18) Methyl Acetate	2.62	43	94046	22.252	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	150113	21.324	ug/l	99
20) Methylene Chloride	2.70	84	48434	21.591	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	39921	19.817	ug/l	98
22) Diisopropyl ether	3.57	45	190771	21.659	ug/l	96
23) Vinyl Acetate	3.53	43	813538	107.470	ug/l	99
24) 1,1-Dichloroethane	3.45	63	93286	21.263	ug/l	98
25) 2-Butanone	4.26	43	266837	109.168	ug/l	99
26) 2,2-Dichloropropane	4.23	77	70489	21.409	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	48917	21.654	ug/l	98
28) Bromochloromethane	4.55	49	45247	21.999	ug/l	98
29) Tetrahydrofuran	4.64	42	170535	104.486	ug/l	99
30) Chloroform	4.67	83	83115	20.661	ug/l	94
31) Cyclohexane	5.00	56	90220	19.939	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	68610	21.426	ug/l	99
36) 1,1-Dichloropropene	5.14	75	60849	19.972	ug/l	99
37) Ethyl Acetate	4.38	43	93994	21.056	ug/l	100
38) Carbon Tetrachloride	5.14	117	56629	20.974	ug/l	95

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 Acq On : 12 Nov 2018 12:56
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Instrument :
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Quant Time: Nov 13 02:43:48 2018
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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	74356	20.235	ug/l	99
40) Benzene	5.39	78	194253	20.854	ug/l	100
41) Methacrylonitrile	4.54	41	53155	22.312	ug/l	99
42) 1,2-Dichloroethane	5.41	62	70239	21.214	ug/l	99
43) Isopropyl Acetate	5.55	43	147915	21.149	ug/l	99
44) Trichloroethene	6.19	130	41639	20.796	ug/l	93
45) 1,2-Dichloropropane	6.43	63	58311	21.706	ug/l	98
46) Dibromomethane	6.56	93	33107	21.441	ug/l	96
47) Bromodichloromethane	6.76	83	63368	21.295	ug/l	99
48) Methyl methacrylate	6.62	41	74497	21.736	ug/l	98
49) 1,4-Dioxane	6.61	88	29373	525.303	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	496111	106.217	ug/l	99
52) Toluene	7.64	92	113815	20.784	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	71830	20.148	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	78871	21.500	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	47660	21.392	ug/l	95
56) Ethyl methacrylate	8.02	69	82609	21.026	ug/l	97
57) 1,3-Dichloropropane	8.24	76	86929	21.420	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	215720	102.516	ug/l	100
59) 2-Hexanone	8.36	43	390246	108.027	ug/l	98
60) Dibromochloromethane	8.48	129	44812	21.256	ug/l	97
61) 1,2-Dibromoethane	8.59	107	49858	21.061	ug/l	100
64) Tetrachloroethene	8.23	164	38760	22.718	ug/l	99
65) Chlorobenzene	9.12	112	115289	20.739	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	41537	21.876	ug/l	99
67) Ethyl Benzene	9.25	91	217105	21.217	ug/l	100
68) m/p-Xylenes	9.38	106	157059	42.303	ug/l	98
69) o-Xylene	9.78	106	78461	20.928	ug/l	97
70) Styrene	9.79	104	126425	21.105	ug/l	100
71) Bromoform	9.96	173	33078	20.787	ug/l #	99
73) Isopropylbenzene	10.17	105	211674	22.179	ug/l	100
74) N-amyl acetate	10.01	43	132629	22.981	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	85587	22.232	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	101254	30.047	ug/l	82
77) Bromobenzene	10.45	156	48970	22.376	ug/l	98
78) n-propylbenzene	10.59	91	249711	21.858	ug/l	99
79) 2-Chlorotoluene	10.66	91	147838	21.589	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	176308	22.300	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	101254	74.890	ug/l #	100
82) 4-Chlorotoluene	10.77	91	166282	21.389	ug/l	99
83) tert-Butylbenzene	11.10	119	167868	21.239	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	175983	22.105	ug/l	100
85) sec-Butylbenzene	11.32	105	208828	21.725	ug/l	100
86) p-Isopropyltoluene	11.48	119	172730	21.495	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	86181	21.318	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	85894	20.729	ug/l	99
89) n-Butylbenzene	11.89	91	156120	20.443	ug/l	98
90) Hexachloroethane	12.14	117	31405	21.951	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	88860	21.857	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	18423	22.711	ug/l	95

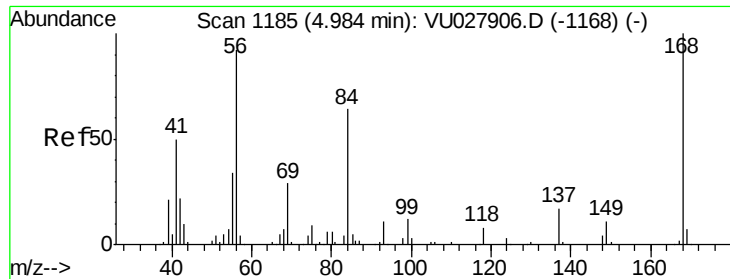
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111218\
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Acq On : 12 Nov 2018 12:56
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ClientSampleId :
VU1112WBSD01

Quant Time: Nov 13 02:43:48 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)
93) 1,2,4-Trichlorobenzene	13.50	180	51329	18.441	ug/l	99
94) Hexachlorobutadiene	13.69	225	27061	20.943	ug/l	98
95) Naphthalene	13.74	128	190415	18.729	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	54238	19.882	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

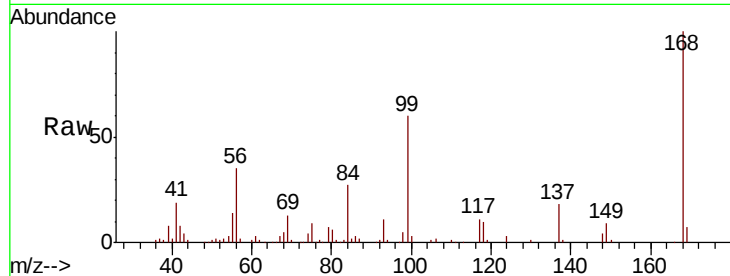
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBSD01

Tot Ion:168 Resp: 166559

Ion Ratio Lower Upper

168 100

99 59.5 47.9 71.9



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

Ion 98.90 (98.60 to 99.60): VU028059.D (-1092) (-)

4.98

80000

60000

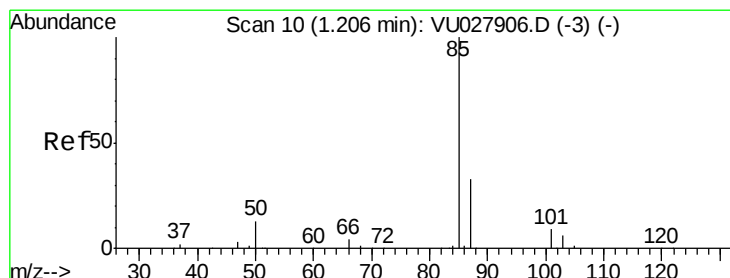
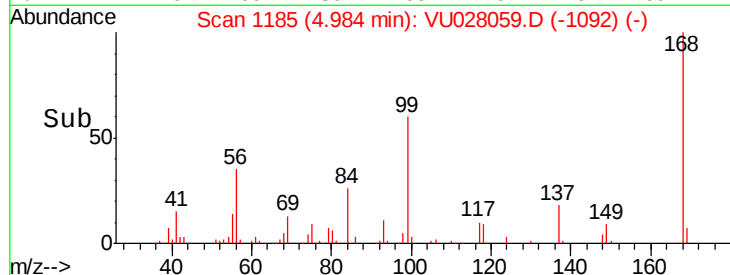
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 16.474 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028059.D

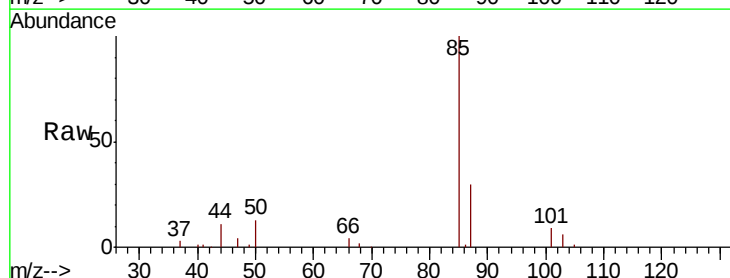
Acq: 12 Nov 2018 12:56

Tgt Ion: 85 Resp: 34867

Ion Ratio Lower Upper

85 100

87 30.2 16.5 49.5



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

Ion 86.90 (86.60 to 87.60): VU028059.D (-1) (-)

1.21

40000

30000

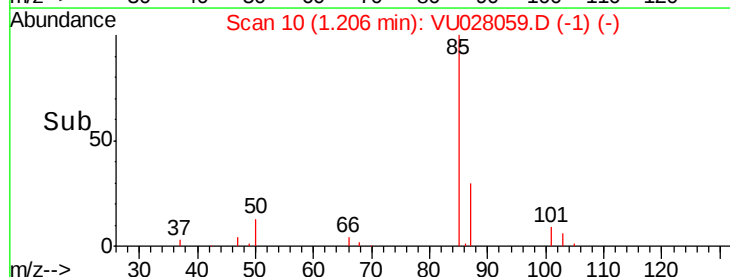
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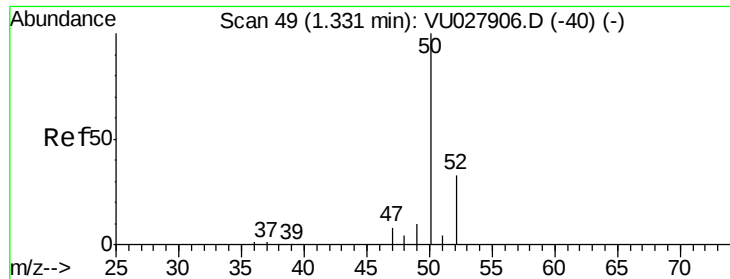
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 21.549 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

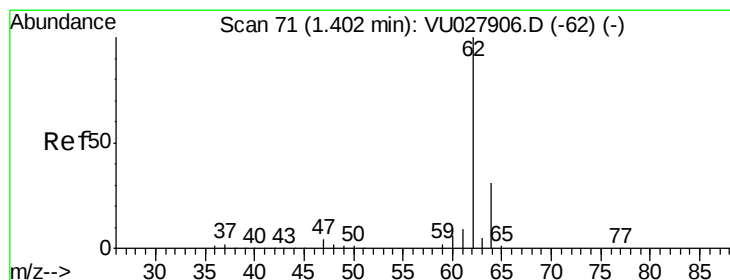
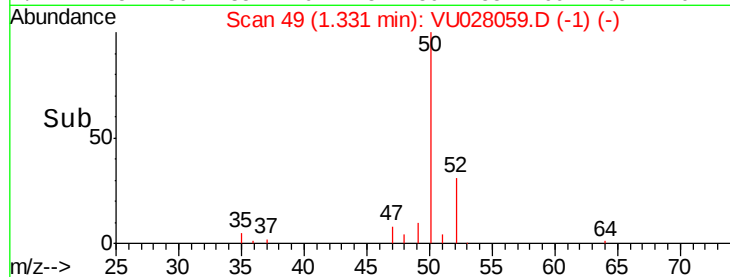
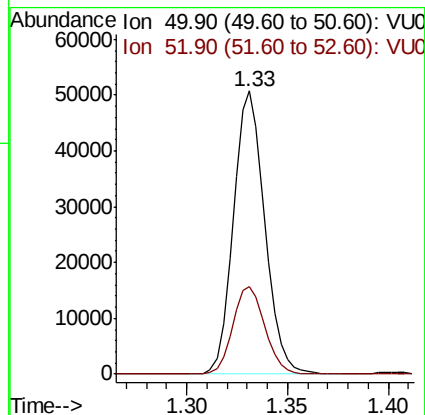
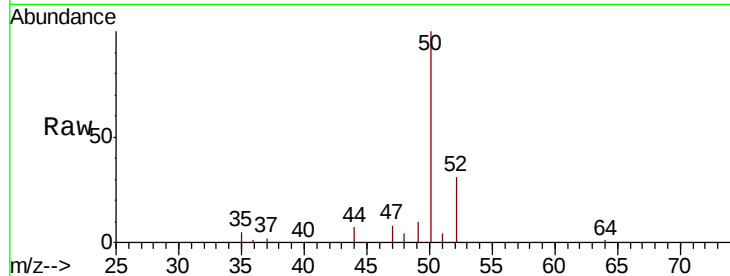
VU1112WBSD01

Tot Ion: 50 Resp: 55157

Ion Ratio Lower Upper

50 100

52 31.1 26.2 39.4



#4

Vinyl Chloride

Concen: 20.343 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028059.D

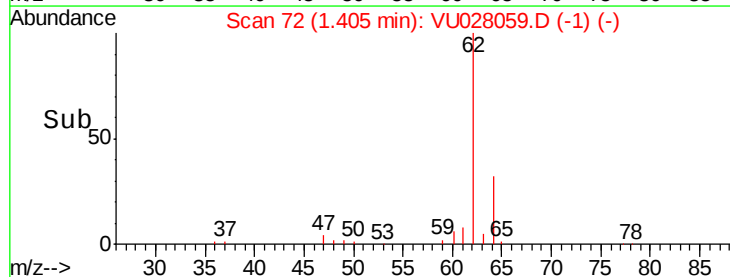
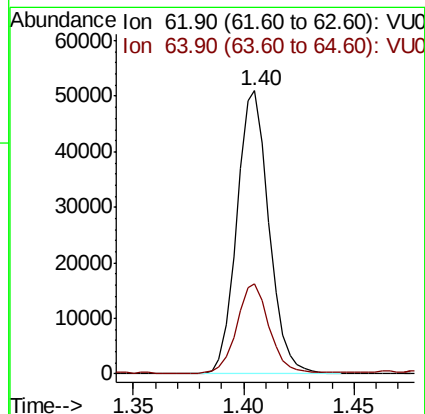
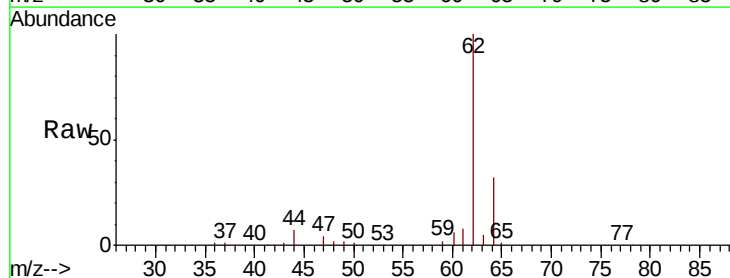
Acq: 12 Nov 2018 12:56

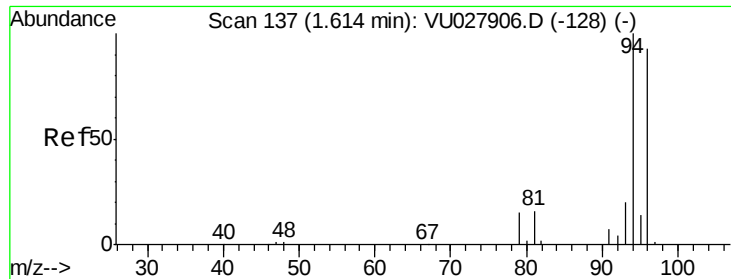
Tgt Ion: 62 Resp: 51680

Ion Ratio Lower Upper

62 100

64 31.3 25.2 37.8





#5

Bromomethane

Concen: 26.721 ug/l

RT: 1.61 min Scan# 136

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

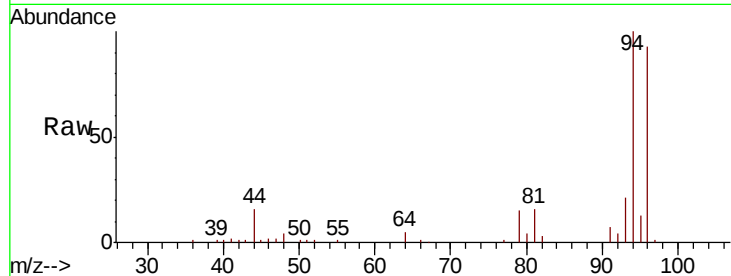
VU1112WBSD01

Tot Ion: 94 Resp: 25477

Ion Ratio Lower Upper

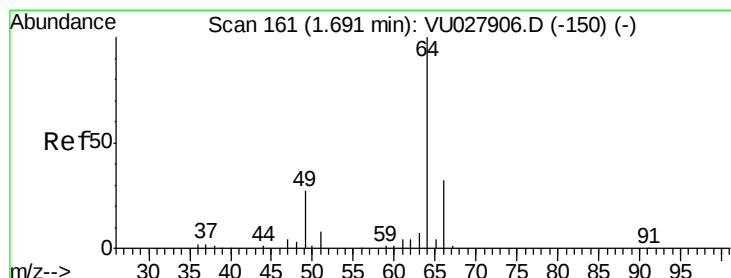
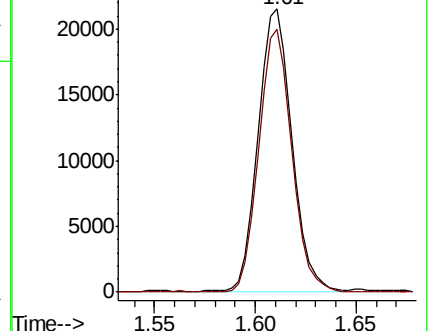
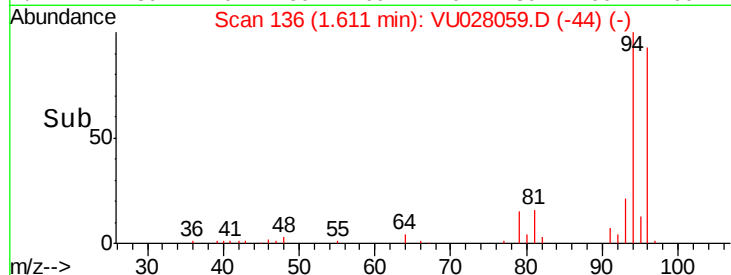
94 100

96 93.0 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VU027906.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU028059.D (-44) (-)



#6

Chloroethane

Concen: 21.749 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.00 min

Lab File: VU028059.D

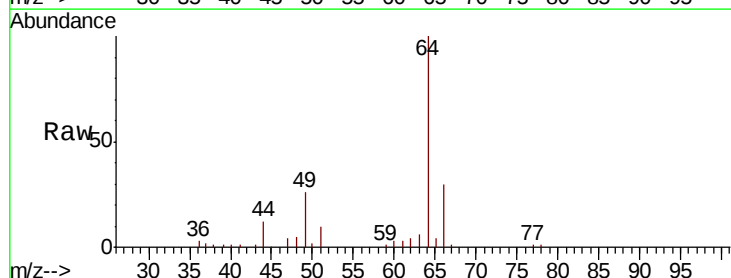
Acq: 12 Nov 2018 12:56

Tgt Ion: 64 Resp: 31841

Ion Ratio Lower Upper

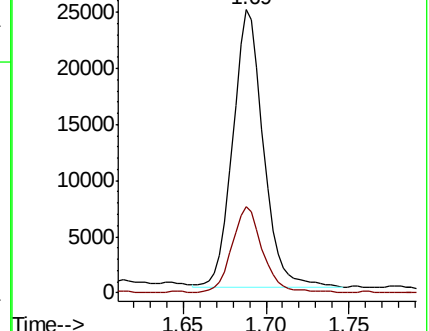
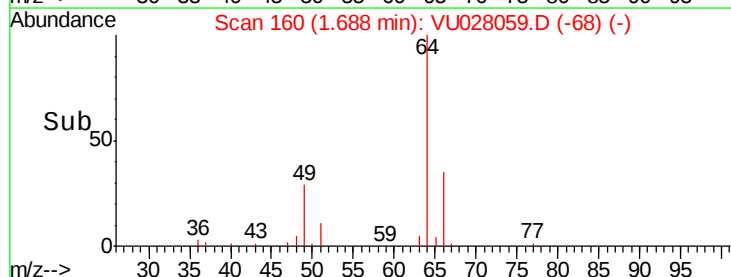
64 100

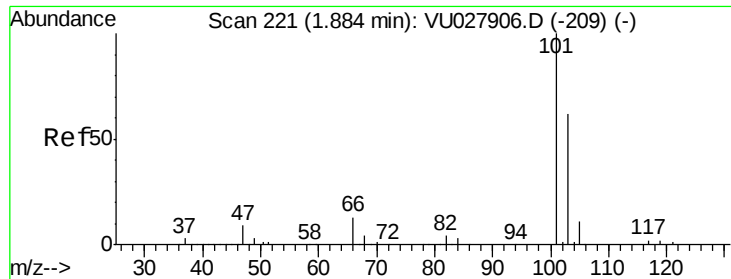
66 31.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU027906.D (-150) (-)

Ion 65.90 (65.60 to 66.60): VU028059.D (-68) (-)



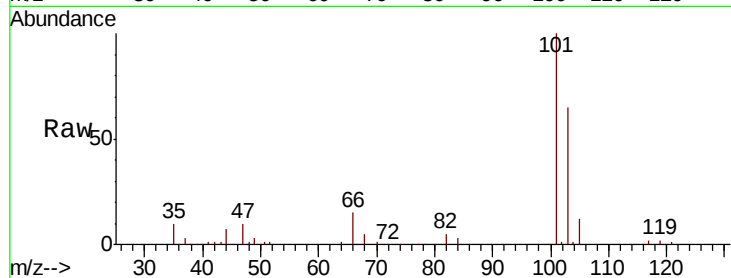


#7

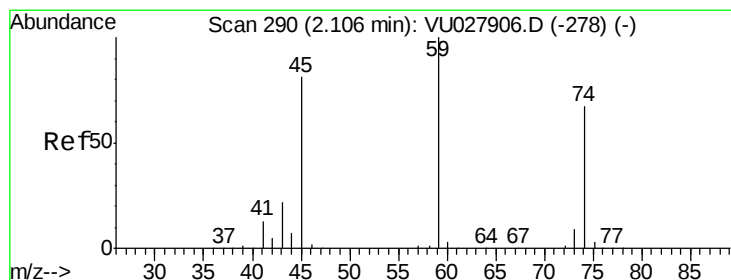
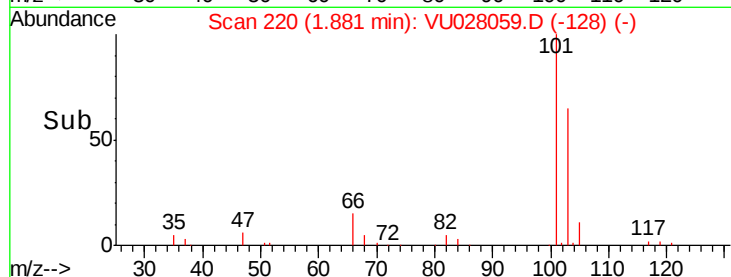
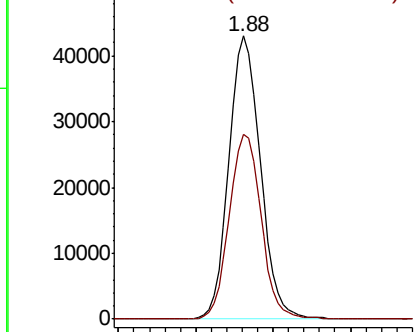
Trichlorofluoromethane
 Concen: 20.693 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VU028059.D
 Acq: 12 Nov 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBSD01

Tot Ion:101 Resp: 60748
 Ion Ratio Lower Upper
 101 100
 103 65.3 49.4 74.2



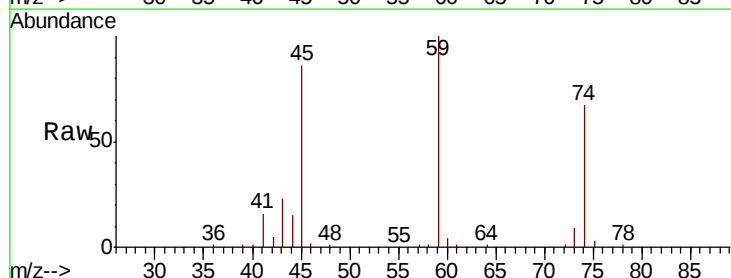
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



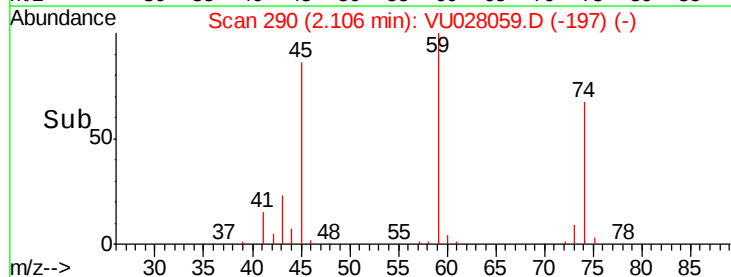
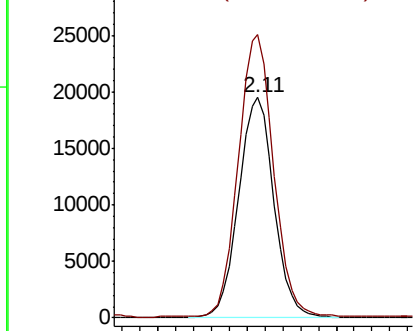
#8

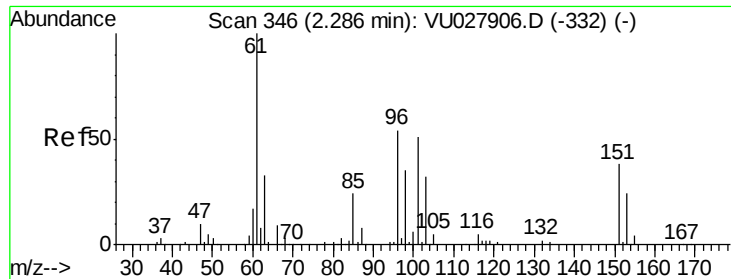
Diethyl Ether
 Concen: 21.464 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VU028059.D
 Acq: 12 Nov 2018 12:56

Tgt Ion: 74 Resp: 26980
 Ion Ratio Lower Upper
 74 100
 45 127.7 60.5 181.5



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.732 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBSD01

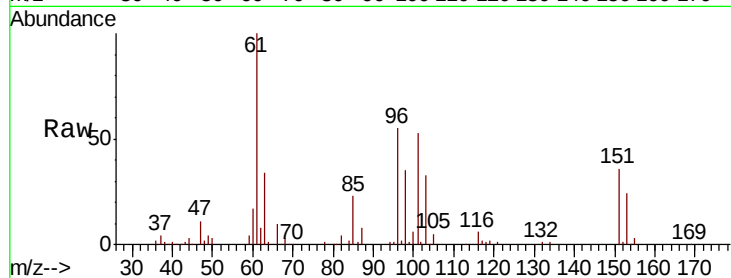
Tot Ion:101 Resp: 37898

Ion Ratio Lower Upper

101 100

85 44.4 36.9 55.3

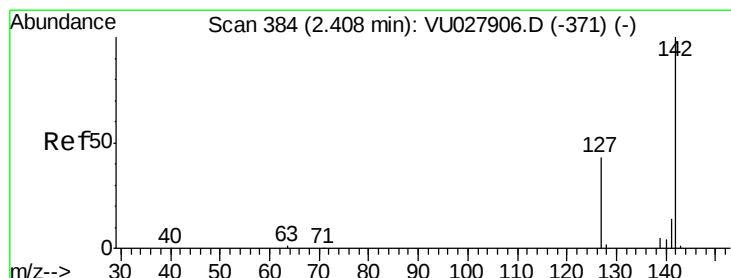
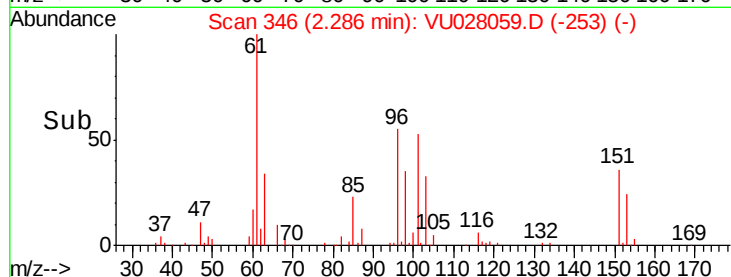
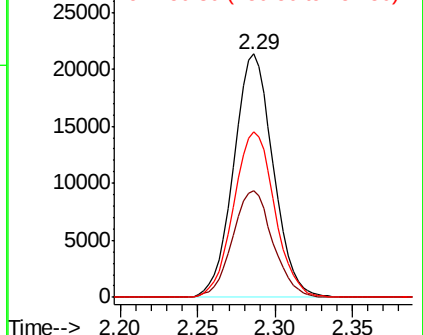
151 70.4 58.0 87.0



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: 27.363 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

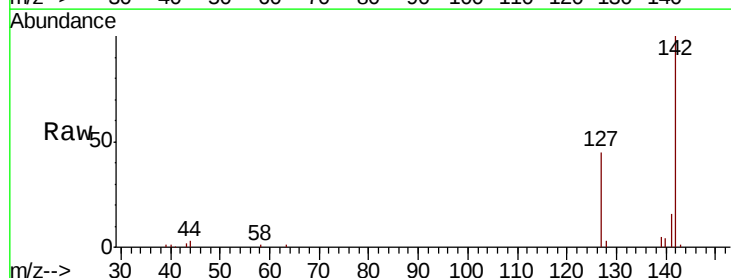
Tgt Ion:142 Resp: 37165

Ion Ratio Lower Upper

142 100

127 44.9 35.2 52.8

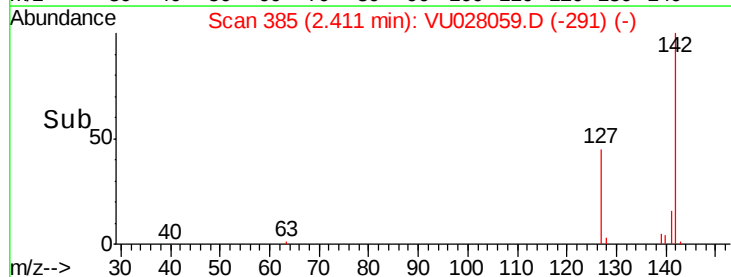
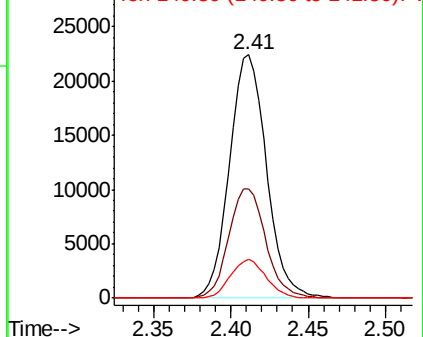
141 15.2 11.8 17.8

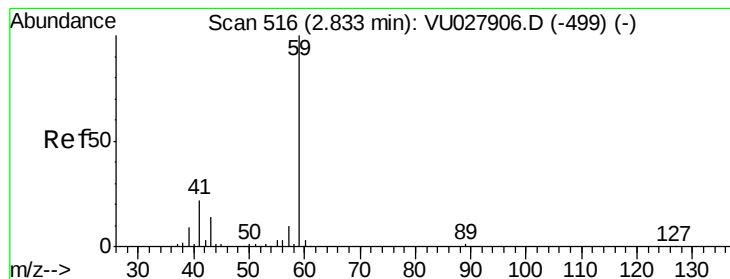


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



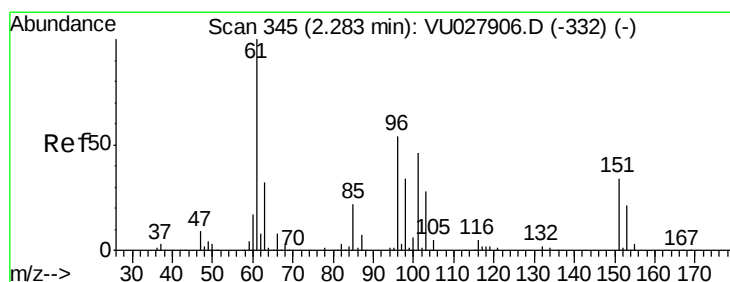
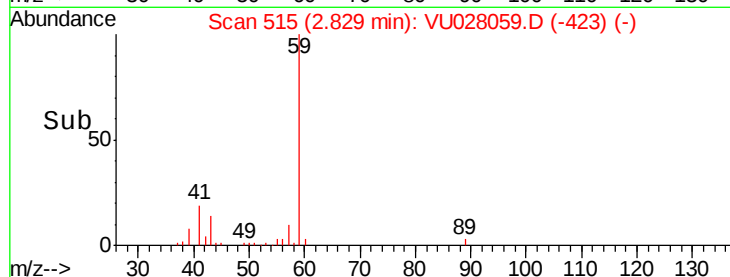
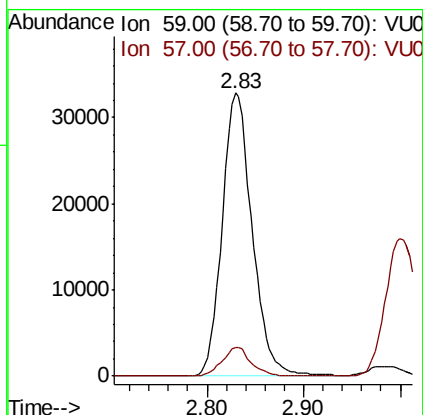
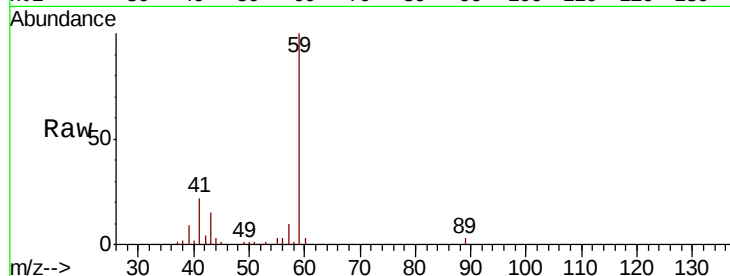


#11

Tert butyl alcohol
Concen: 107.950 ug/l
RT: 2.83 min Scan# 515
Delta R.T. -0.00 min
Lab File: VU028059.D
Acq: 12 Nov 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBSD01

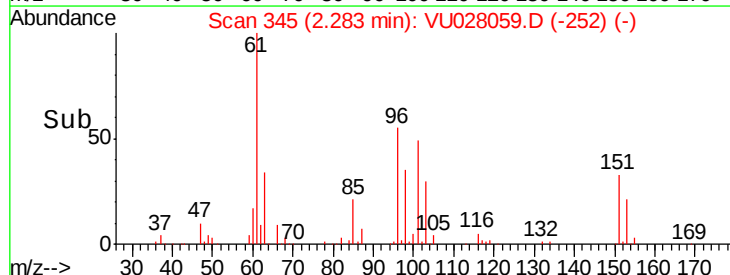
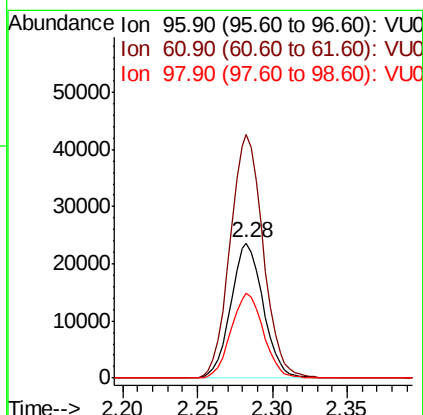
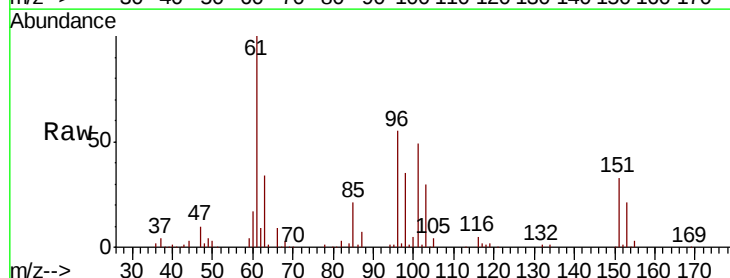
Tot Ion: 59 Resp: 70768
Ion Ratio Lower Upper
59 100
57 9.7 7.8 11.8



#12

1,1-Dichloroethene
Concen: 20.392 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU028059.D
Acq: 12 Nov 2018 12:56

Tgt Ion: 96 Resp: 35597
Ion Ratio Lower Upper
96 100
61 180.4 149.3 223.9
98 62.5 50.6 75.8





#13

Acrolein

Concen: 63.689 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

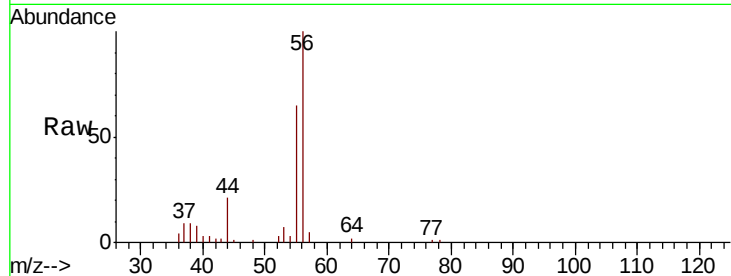
VU1112WBSD01

Tot Ion: 56 Resp: 16579

Ion Ratio Lower Upper

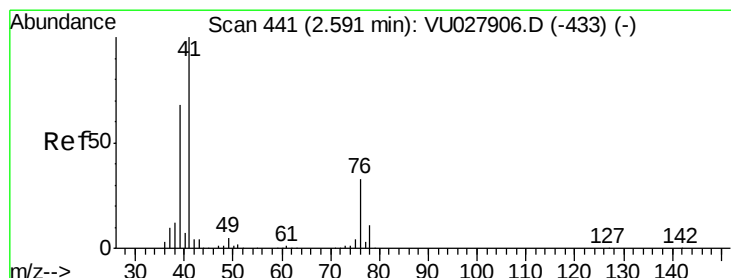
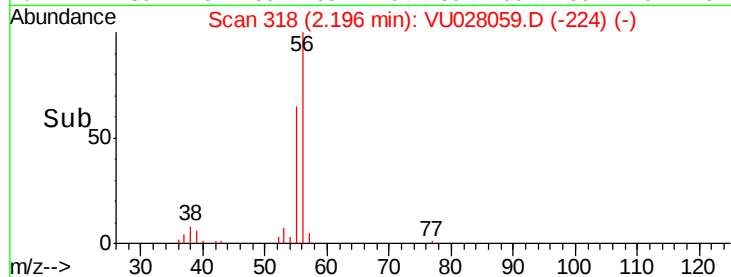
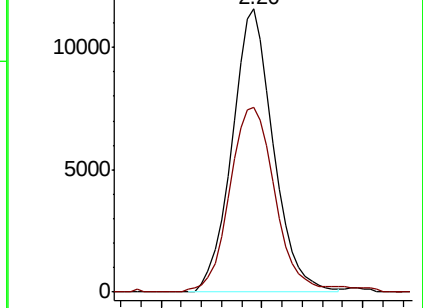
56 100

55 73.2 56.2 84.4



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

Ion 55.00 (54.70 to 55.70): VU027906.D (-306) (-)



#14

Allyl chloride

Concen: 19.862 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

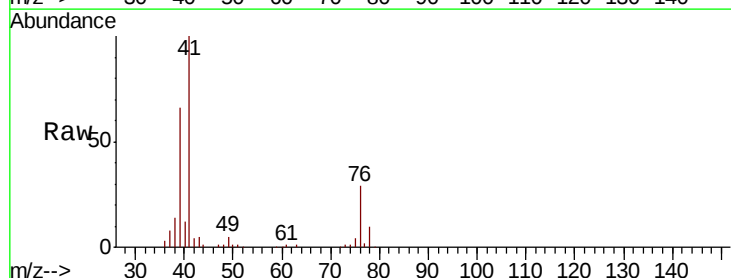
Tgt Ion: 41 Resp: 84738

Ion Ratio Lower Upper

41 100

39 64.6 51.9 77.9

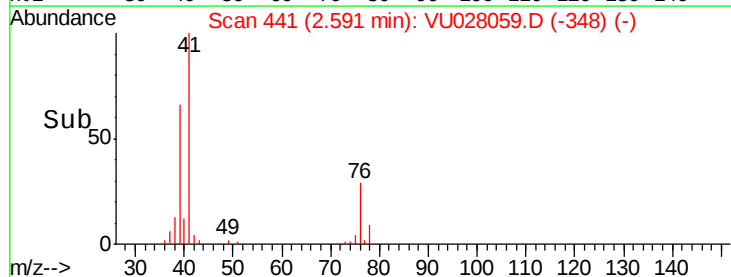
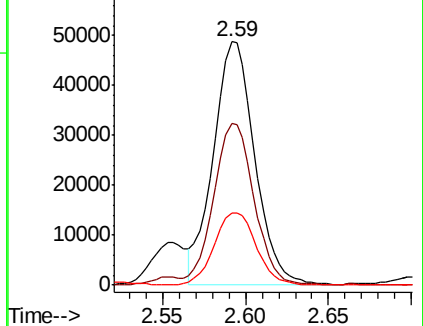
76 30.2 23.8 35.6

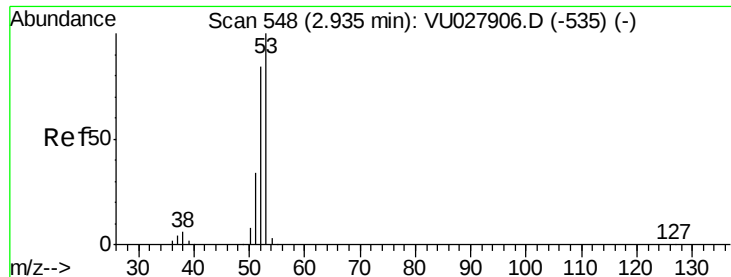


Abundance Ion 41.00 (40.70 to 41.70): VU027906.D (-433) (-)

Ion 39.00 (38.70 to 39.70): VU027906.D (-433) (-)

Ion 75.90 (75.60 to 76.60): VU027906.D (-433) (-)





#15

Acrylonitrile

Concen: 108.725 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBSD01

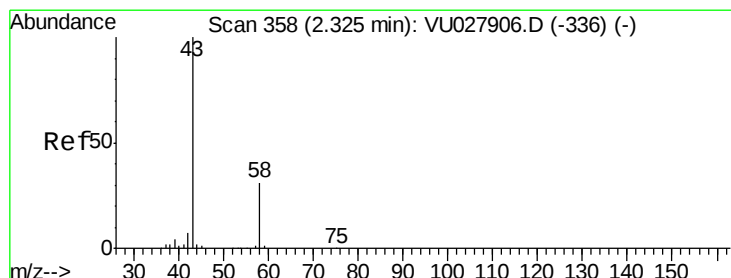
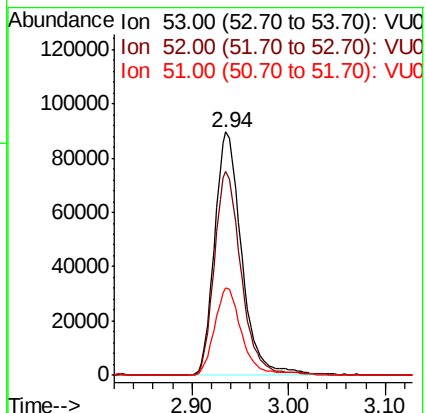
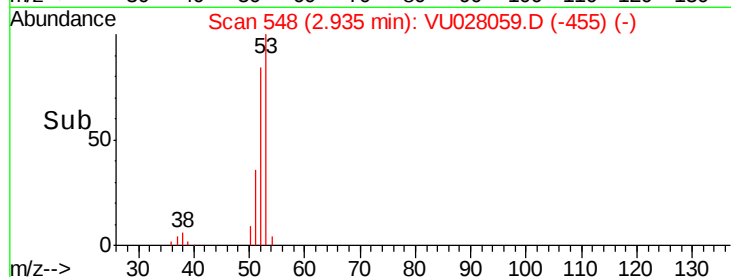
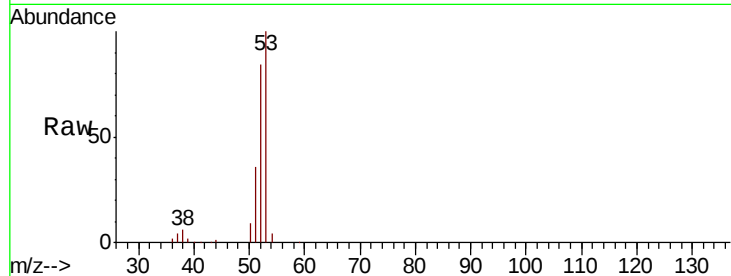
Tot Ion: 53 Resp: 175084

Ion Ratio Lower Upper

53 100

52 82.6 66.2 99.2

51 35.2 27.0 40.4



#16

Acetone

Concen: 111.739 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028059.D

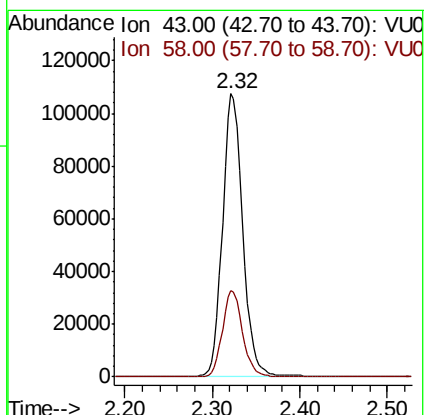
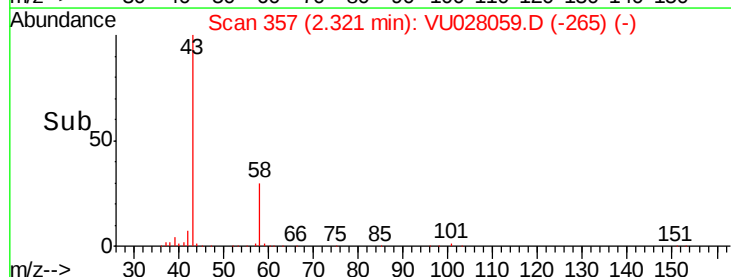
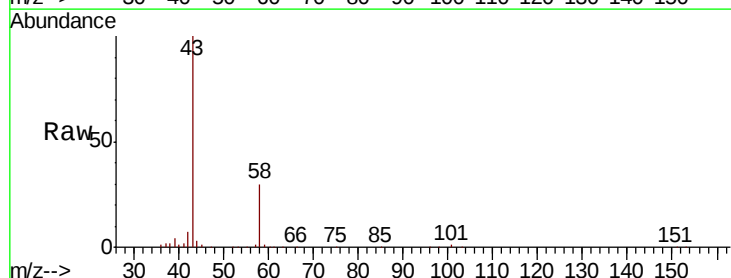
Acq: 12 Nov 2018 12:56

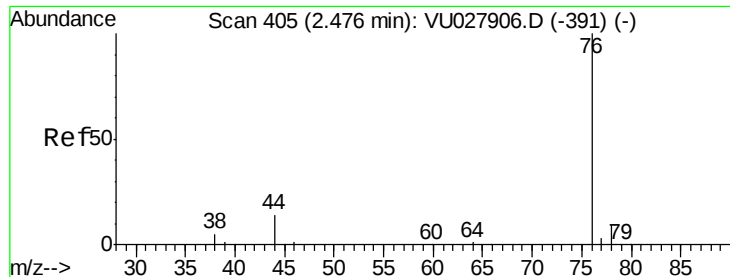
Tgt Ion: 43 Resp: 171675

Ion Ratio Lower Upper

43 100

58 30.2 24.6 37.0

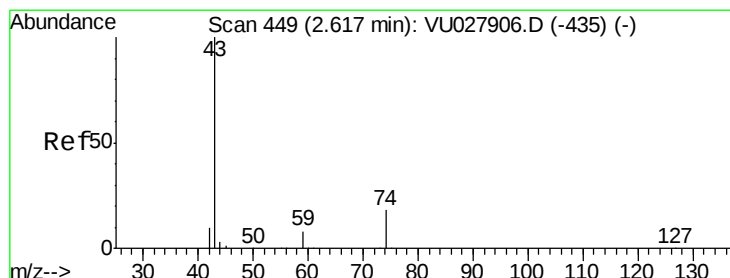
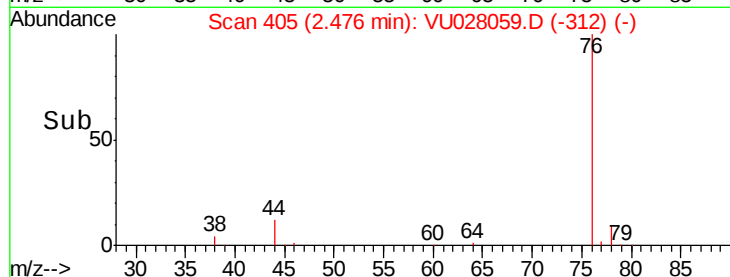
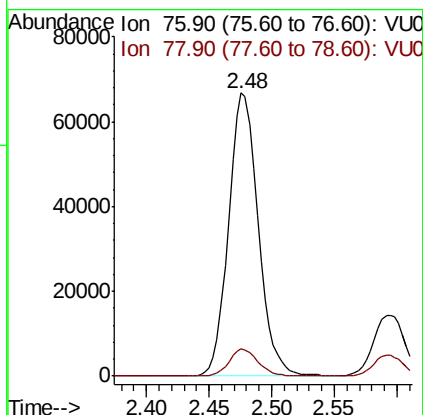
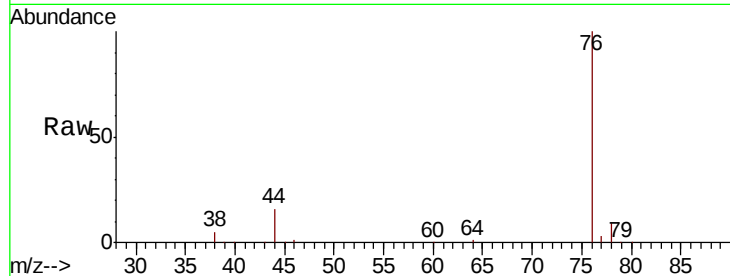




#17
Carbon Disulfide
Concen: 19.206 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028059.D
Acq: 12 Nov 2018 12:56

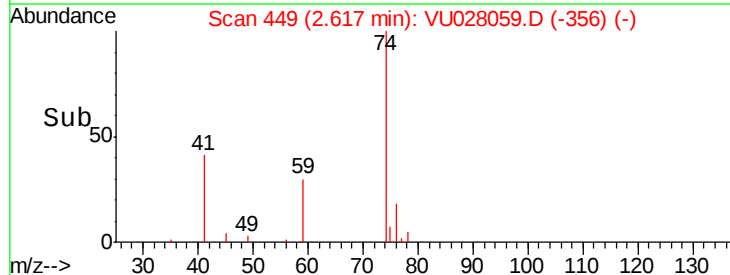
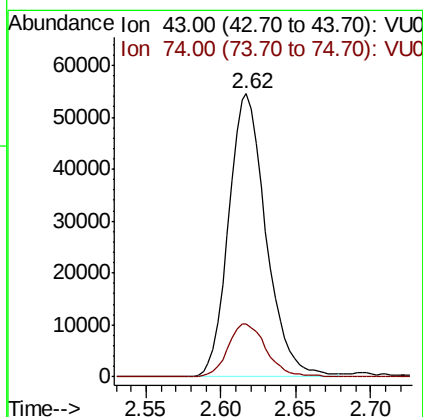
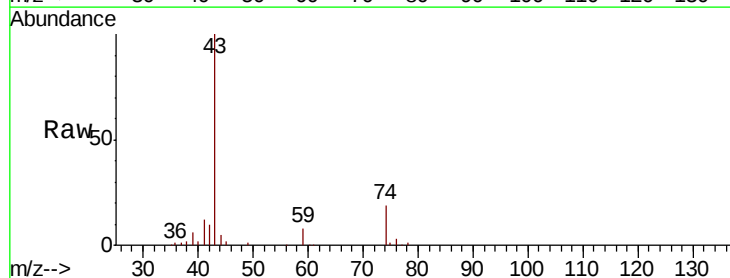
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBSD01

Tot Ion: 76 Resp: 109584
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0



#18
Methyl Acetate
Concen: 22.252 ug/l
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU028059.D
Acq: 12 Nov 2018 12:56

Tgt Ion: 43 Resp: 94046
Ion Ratio Lower Upper
43 100
74 19.4 14.9 22.3



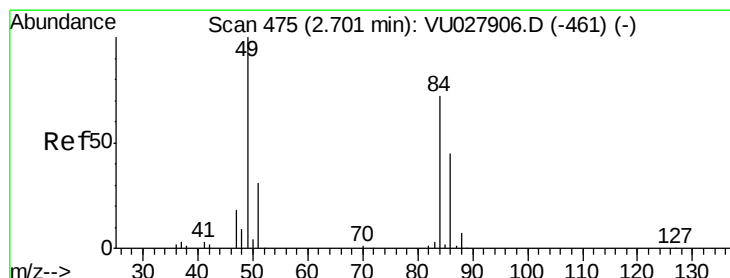
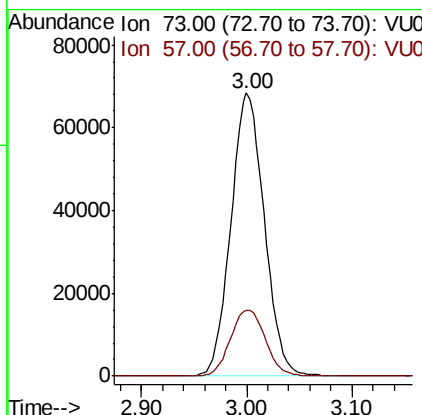
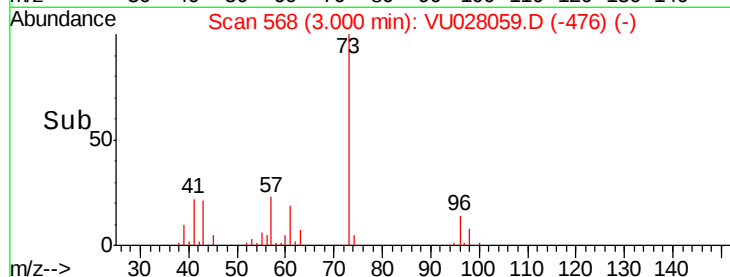
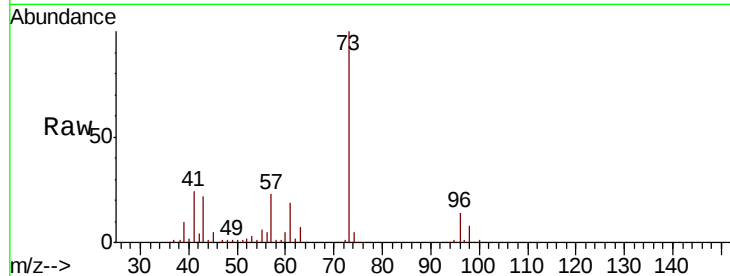


#19

Methyl tert-butyl Ether
 Concen: 21.324 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VU028059.D
 Acq: 12 Nov 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBSD01

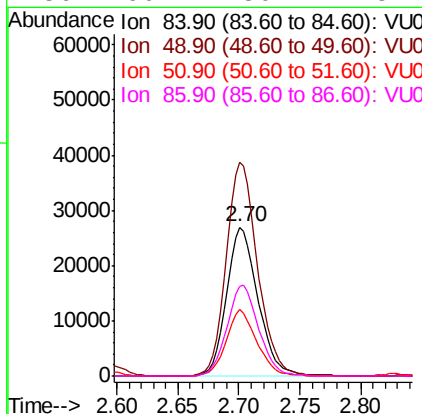
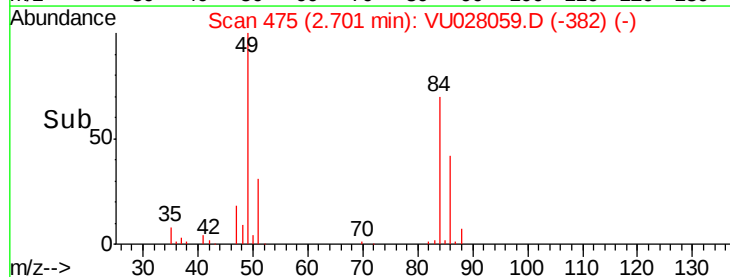
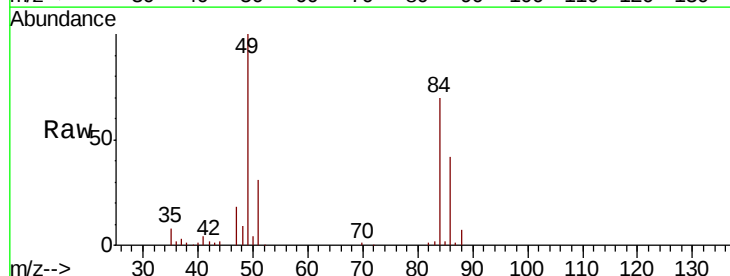
Tot Ion: 73 Resp: 150113
 Ion Ratio Lower Upper
 73 100
 57 23.4 19.3 28.9

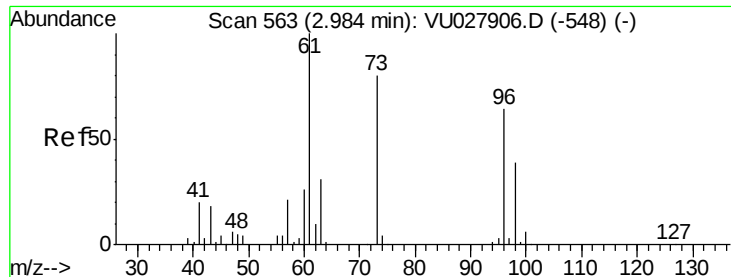


#20

Methylene Chloride
 Concen: 21.591 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. -0.00 min
 Lab File: VU028059.D
 Acq: 12 Nov 2018 12:56

Tgt Ion: 84 Resp: 48434
 Ion Ratio Lower Upper
 84 100
 49 143.6 111.6 167.4
 51 44.4 34.8 52.2
 86 60.4 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 19.817 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBSD01

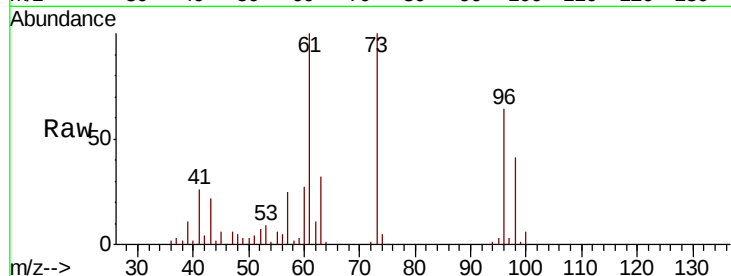
Tot Ion: 96 Resp: 39921

Ion Ratio Lower Upper

96 100

61 154.9 125.0 187.6

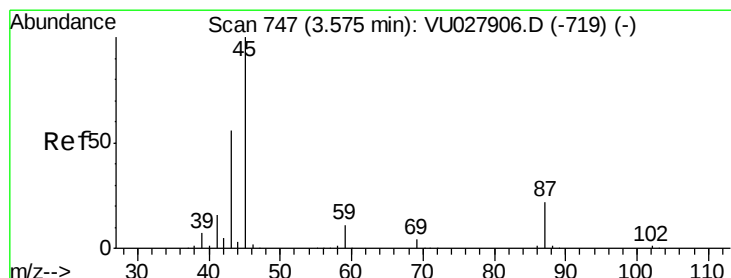
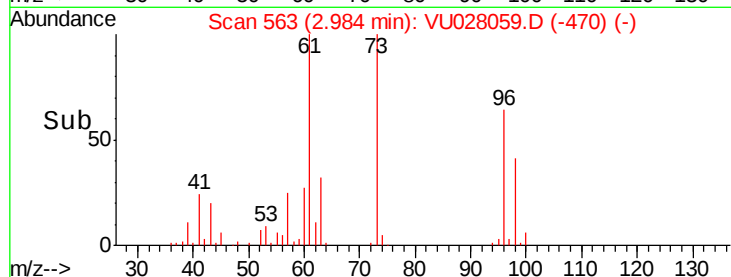
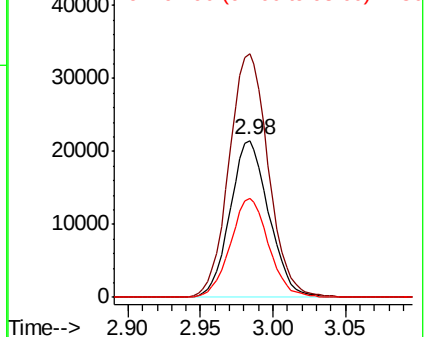
98 63.5 48.2 72.4



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: 21.659 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Tgt Ion: 45 Resp: 190771

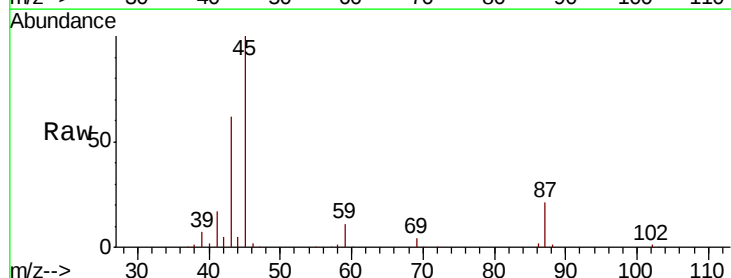
Ion Ratio Lower Upper

45 100

43 60.0 45.0 67.6

87 21.4 17.9 26.9

59 10.7 8.6 12.8

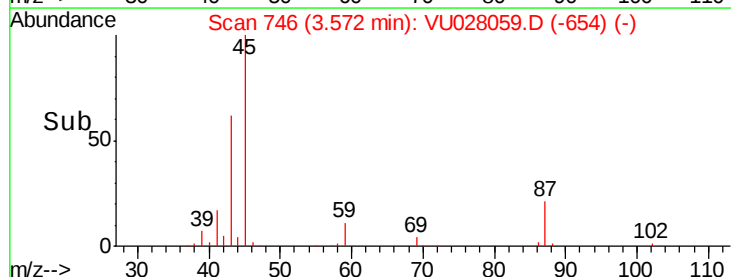
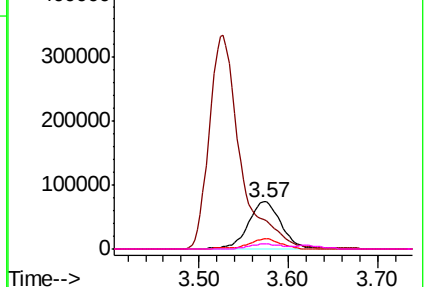


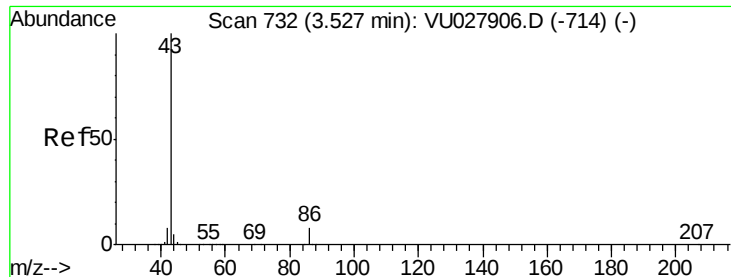
Abundance Ion 45.00 (44.70 to 45.70): VU027906.D (-719) (-)

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: 107.470 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

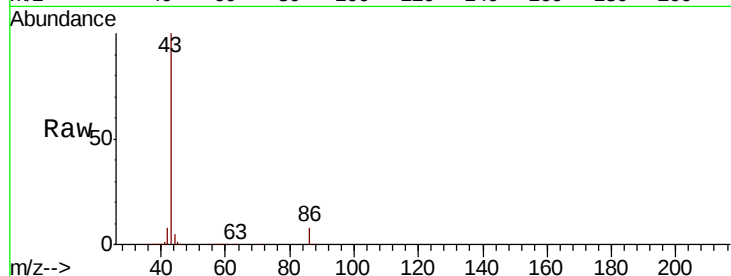
VU1112WBSD01

Tot Ion: 43 Resp: 813538

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

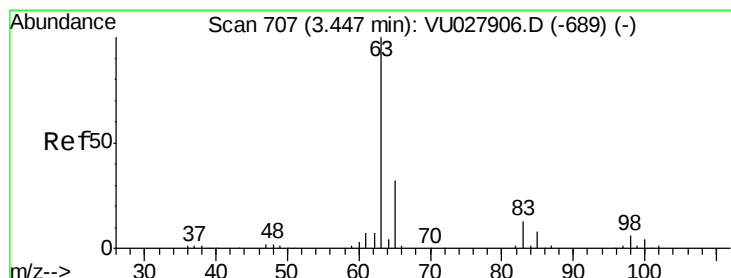
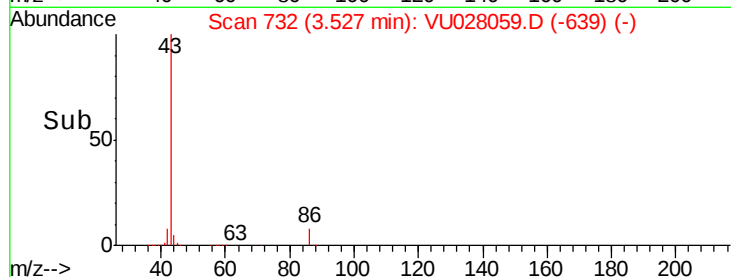
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.263 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

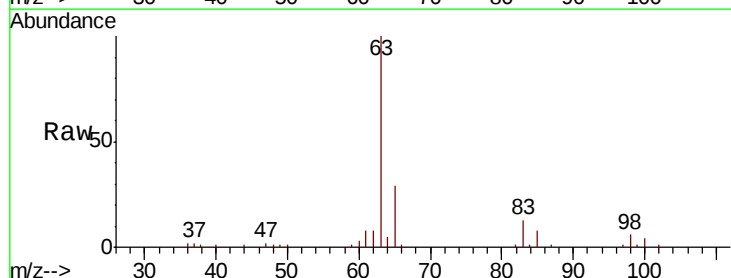
Tgt Ion: 63 Resp: 93286

Ion Ratio Lower Upper

63 100

98 6.3 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

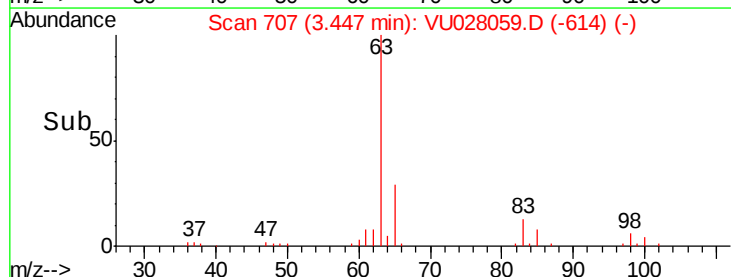
30000

20000

10000

0

Time-->





#25

2-Butanone

Concen: 109.168 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

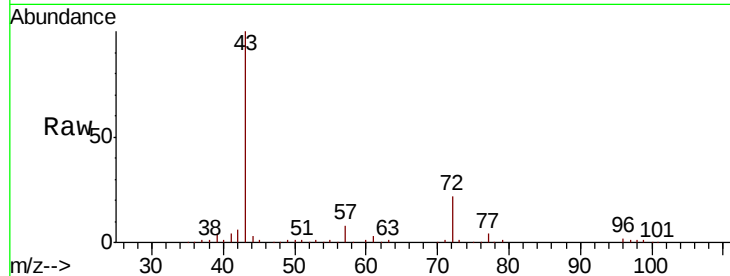
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBSD01

Tot Ion: 43 Resp: 266837

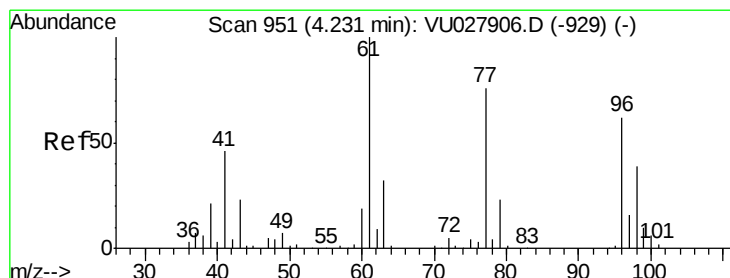
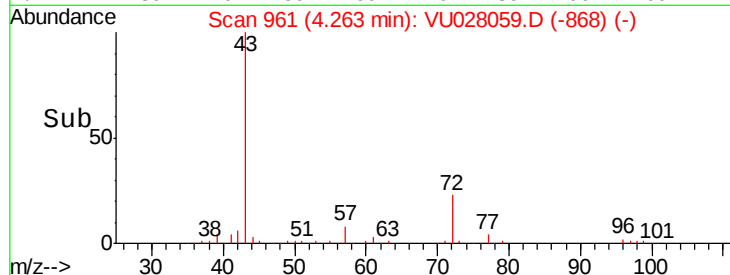
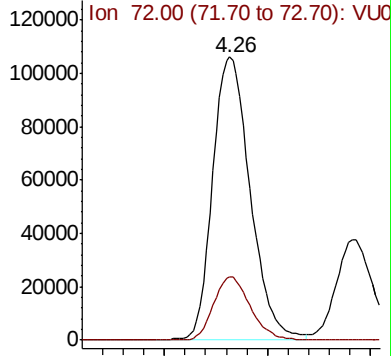
Ion Ratio Lower Upper

43 100

72 22.5 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU028059.D (-868) (-)



#26

2,2-Dichloropropane

Concen: 21.409 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028059.D

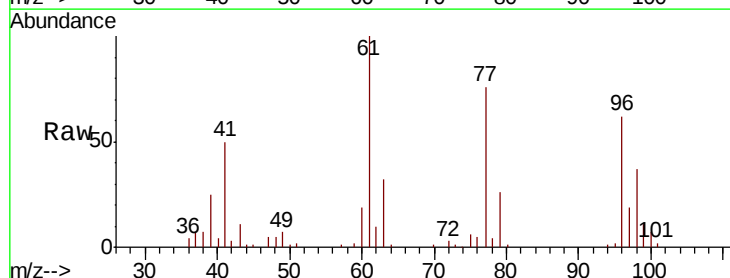
Acq: 12 Nov 2018 12:56

Tgt Ion: 77 Resp: 70489

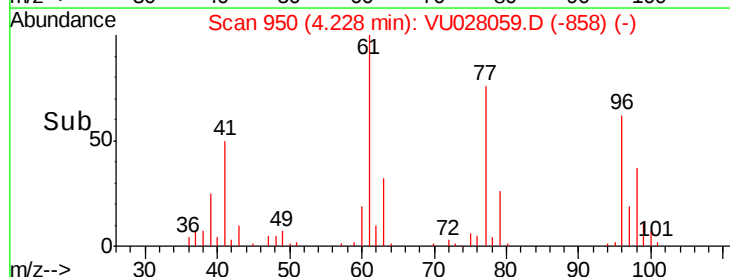
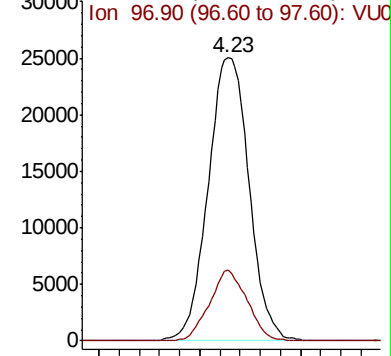
Ion Ratio Lower Upper

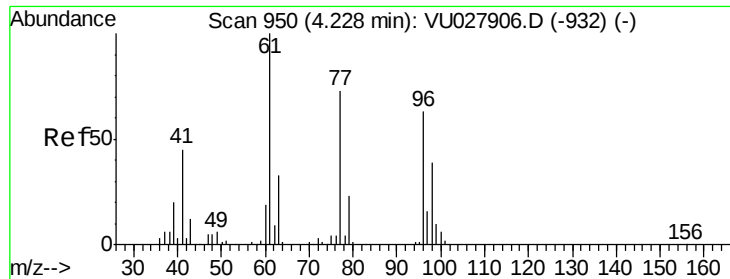
77 100

97 22.9 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU028059.D (-858) (-)



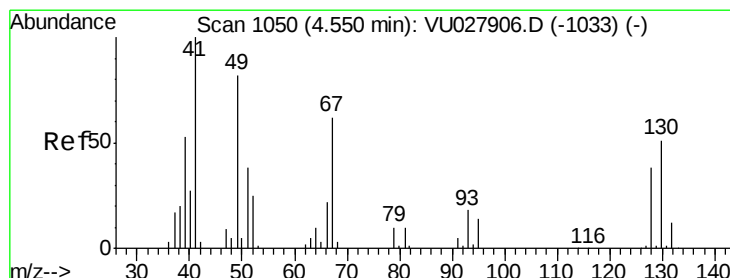
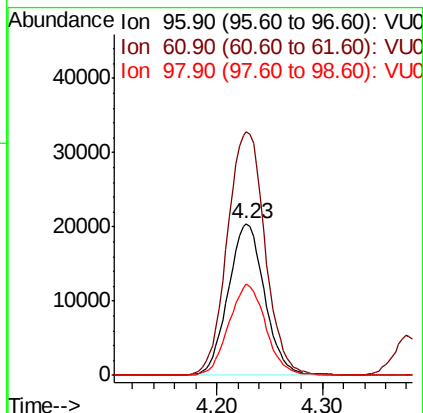
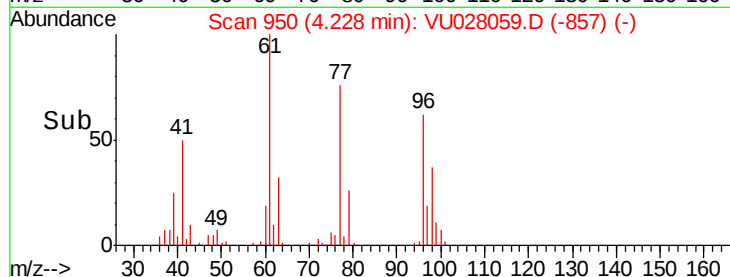
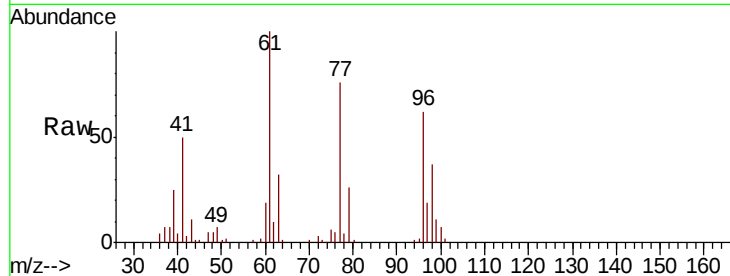


#27

cis-1,2-Dichloroethene
 Concen: 21.654 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU028059.D
 Acq: 12 Nov 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBSD01

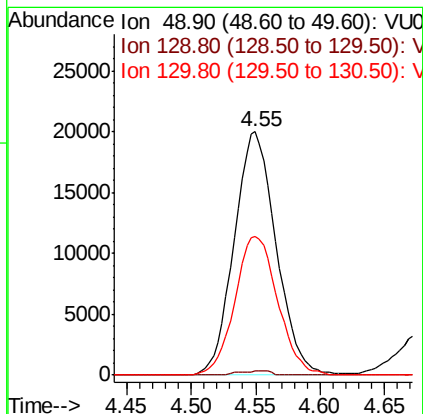
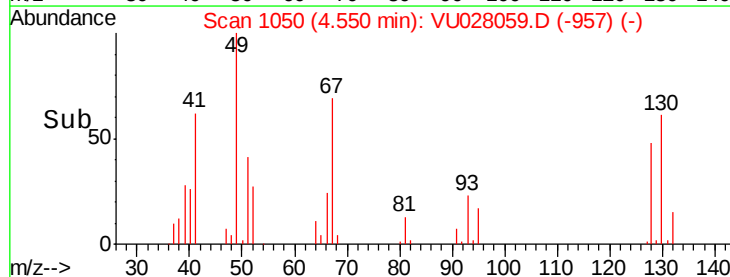
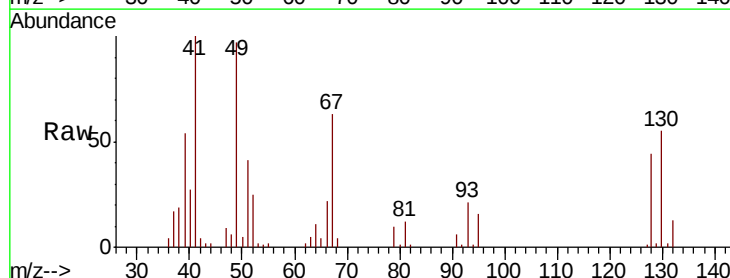
Tot Ion	Ratio	Lower	Upper
96	100		
61	166.1	0.0	329.6
98	60.8	0.0	127.2

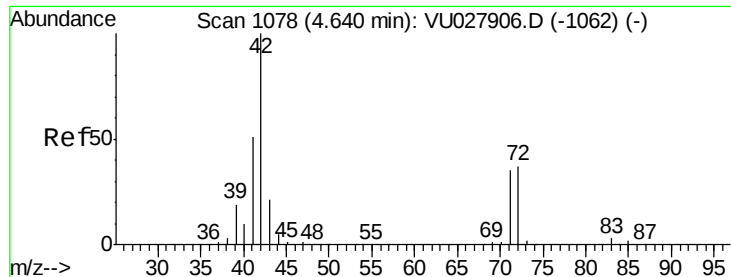


#28

Bromochloromethane
 Concen: 21.999 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU028059.D
 Acq: 12 Nov 2018 12:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.0
130	58.2	47.8	71.6





#29

Tetrahydrofuran

Concen: 104.486 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBSD01

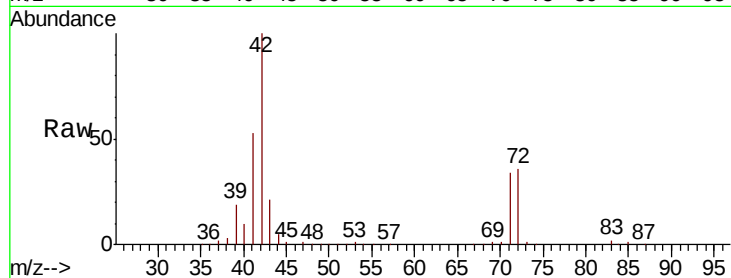
Tot Ion: 42 Resp: 170535

Ion Ratio Lower Upper

42 100

72 37.0 29.4 44.0

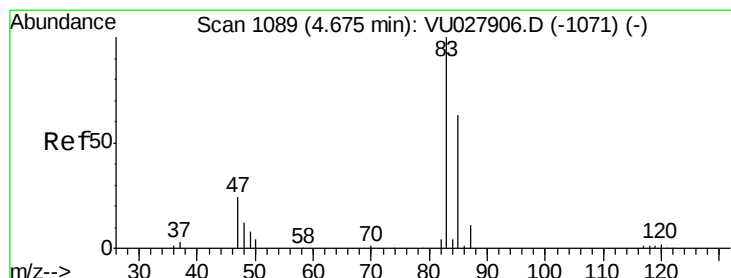
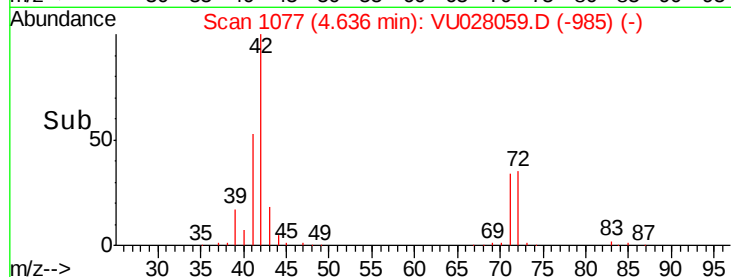
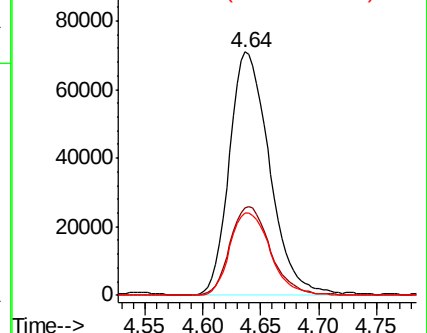
71 34.5 27.9 41.9



Abundance Ion 42.00 (41.70 to 42.70): VU027906.D (-1062) (-)

Ion 72.00 (71.70 to 72.70): VU027906.D (-1062) (-)

Ion 71.00 (70.70 to 71.70): VU027906.D (-1062) (-)



#30

Chloroform

Concen: 20.661 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VU028059.D

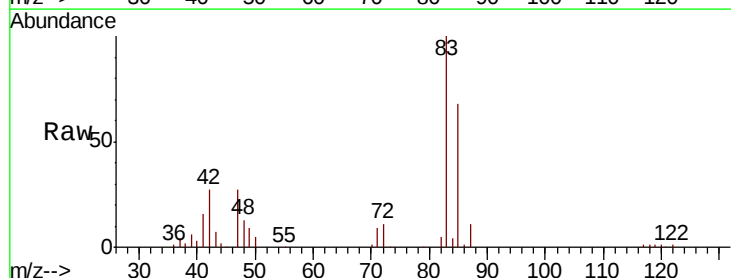
Acq: 12 Nov 2018 12:56

Tgt Ion: 83 Resp: 83115

Ion Ratio Lower Upper

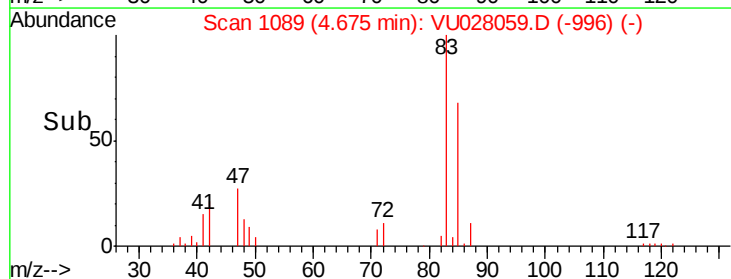
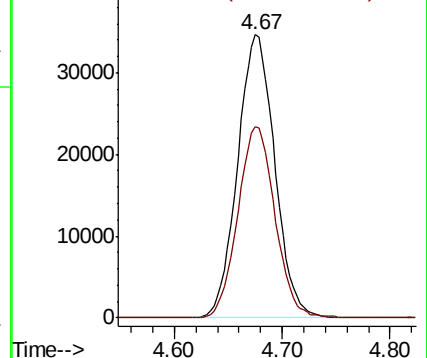
83 100

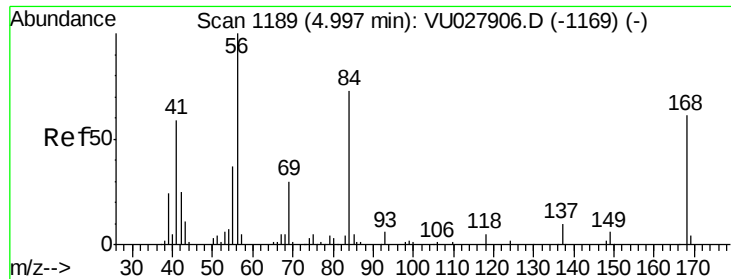
85 67.7 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VU027906.D (-1071) (-)

Ion 84.90 (84.60 to 85.60): VU027906.D (-1071) (-)

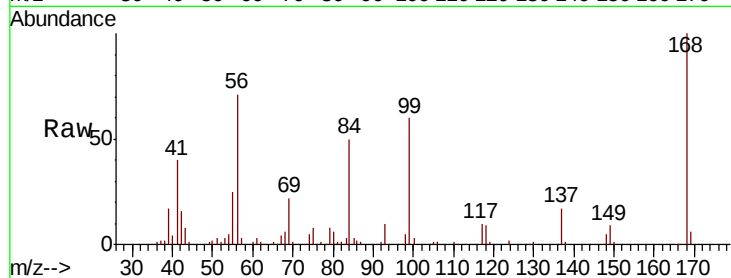




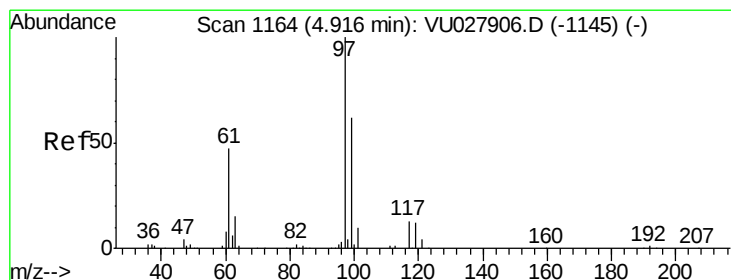
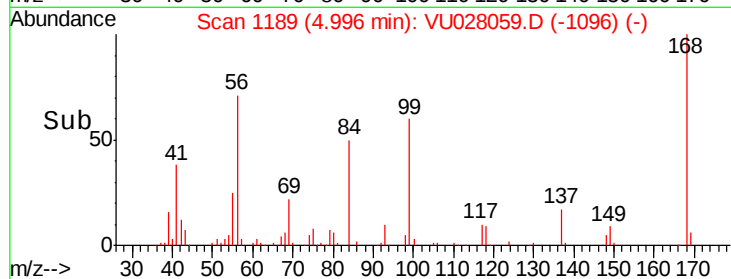
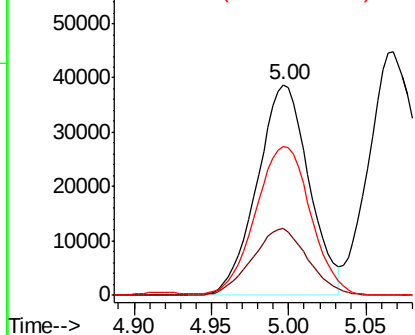
#31
Cyclohexane
Concen: 19.939 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028059.D
Acq: 12 Nov 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBSD01

Tot Ion: 56 Resp: 90220
Ion Ratio Lower Upper
56 100
69 31.5 23.7 35.5
84 69.9 58.2 87.4

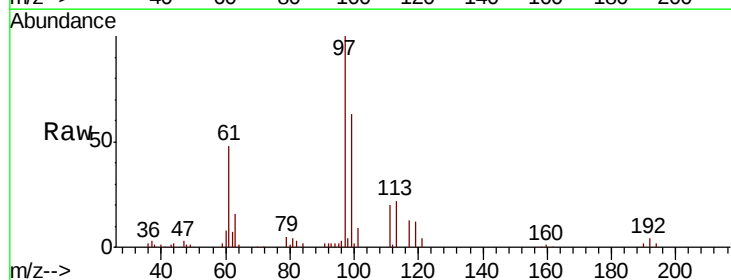


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

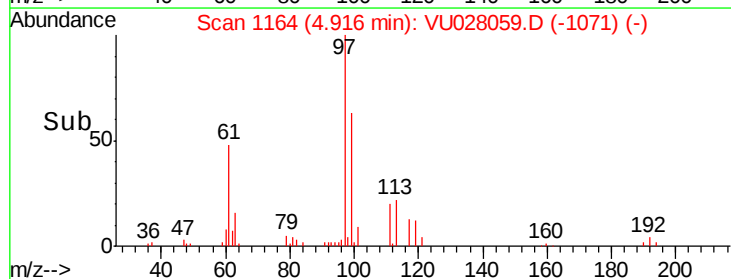
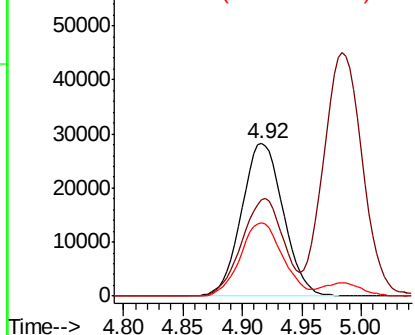


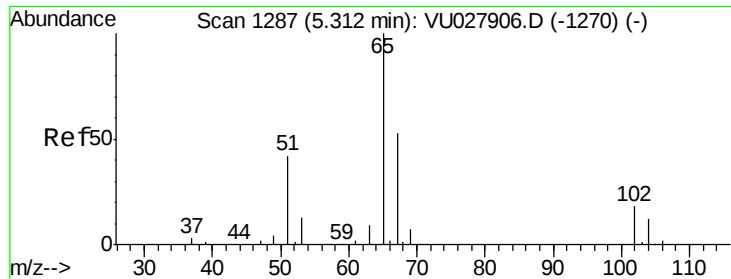
#32
1,1,1-Trichloroethane
Concen: 21.426 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU028059.D
Acq: 12 Nov 2018 12:56

Tgt Ion: 97 Resp: 68610
Ion Ratio Lower Upper
97 100
99 63.9 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

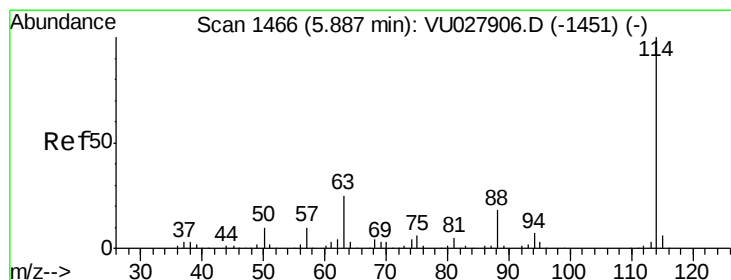
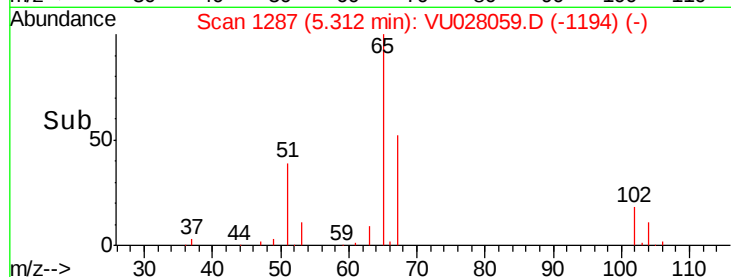
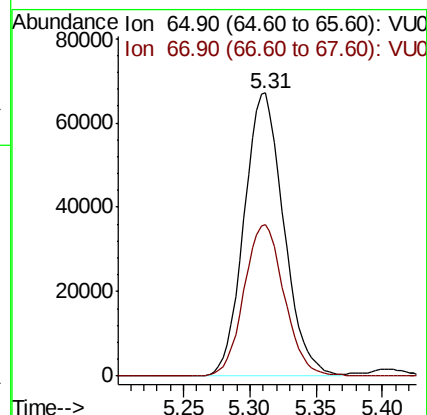
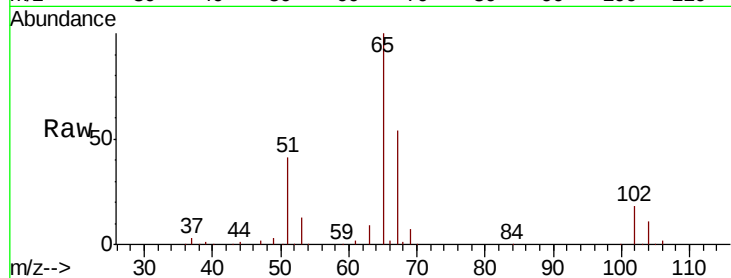




#33
 1,2-Dichloroethane-d4
 Concen: 56.540 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU028059.D
 Acq: 12 Nov 2018 12:56

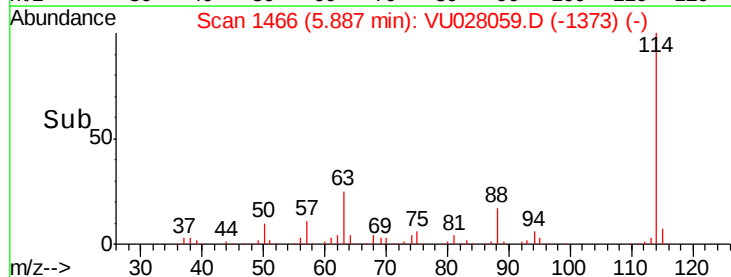
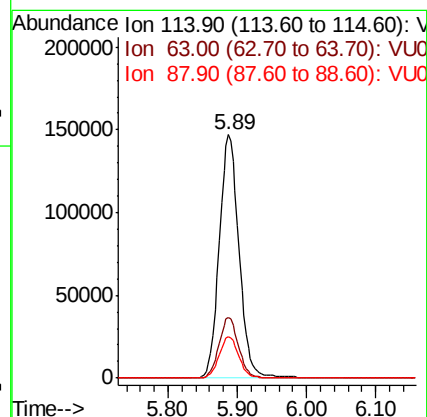
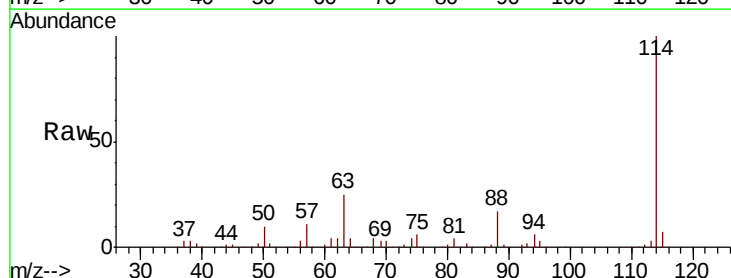
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBSD01

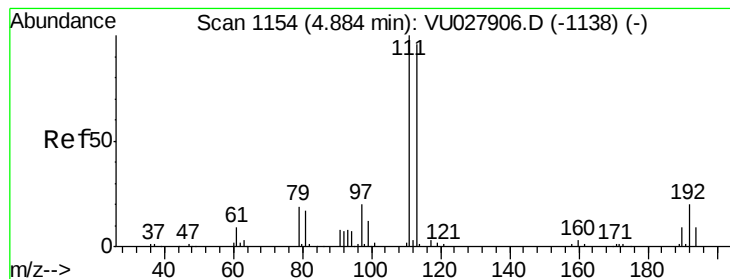
Tot Ion: 65 Resp: 140010
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU028059.D
 Acq: 12 Nov 2018 12:56

Tgt Ion: 114 Resp: 290898
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 50.8
 88 16.8 0.0 35.8





#35

Dibromofluoromethane

Concen: 53.987 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBSD01

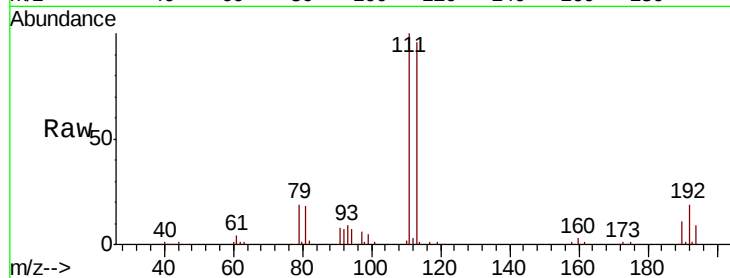
Tot Ion:113 Resp: 99021

Ion Ratio Lower Upper

113 100

111 103.8 83.0 124.6

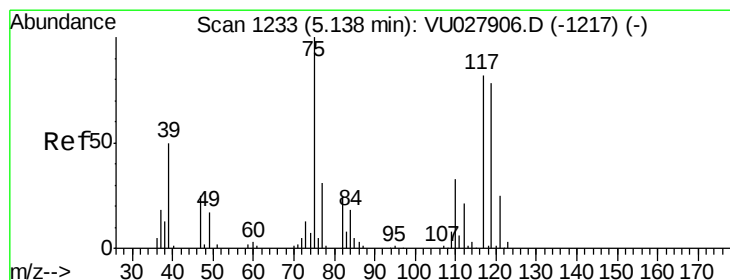
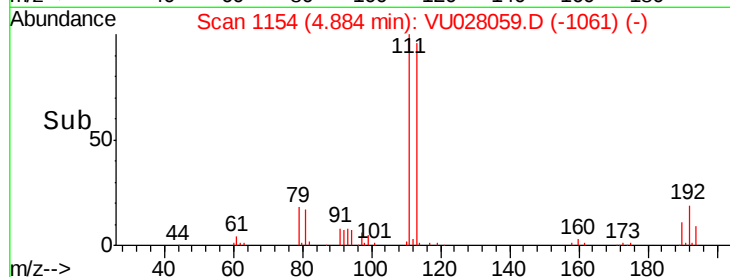
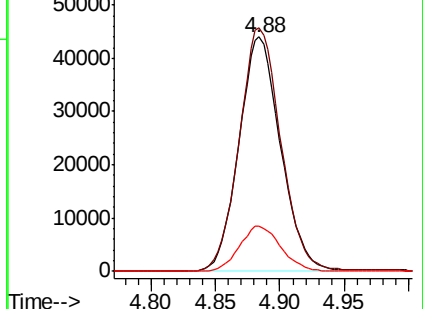
192 19.2 15.6 23.4



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: 19.972 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

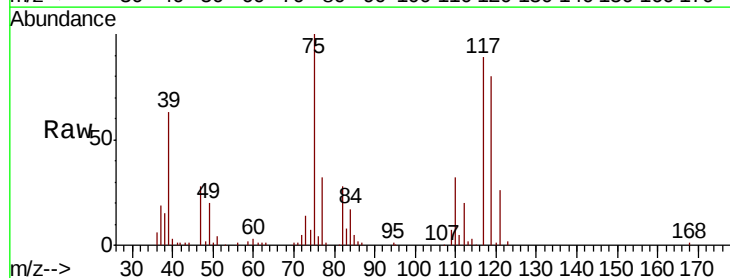
Tgt Ion: 75 Resp: 60849

Ion Ratio Lower Upper

75 100

110 31.5 16.5 49.5

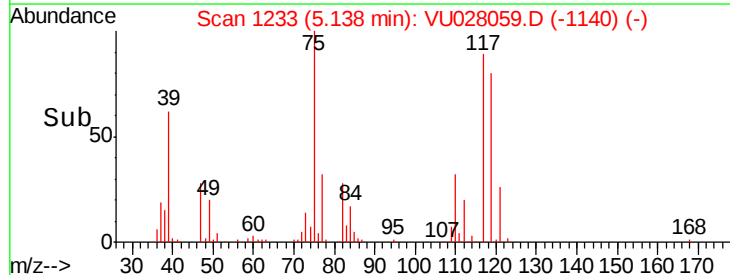
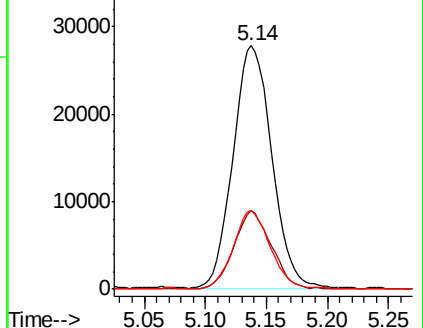
77 31.0 24.9 37.3

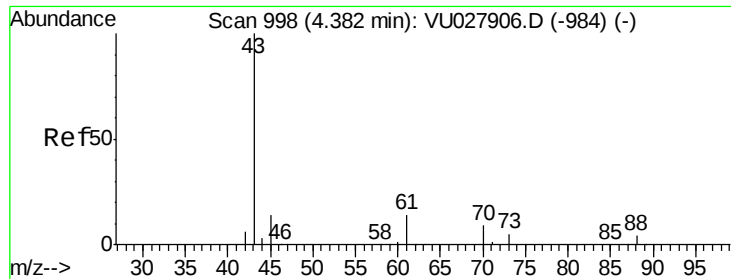


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 21.056 ug/l

RT: 4.38 min Scan# 998

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBSD01

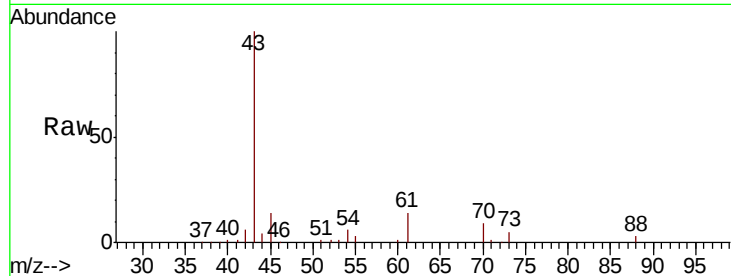
Tot Ion: 43 Resp: 93994

Ion Ratio Lower Upper

43 100

61 12.9 10.3 15.5

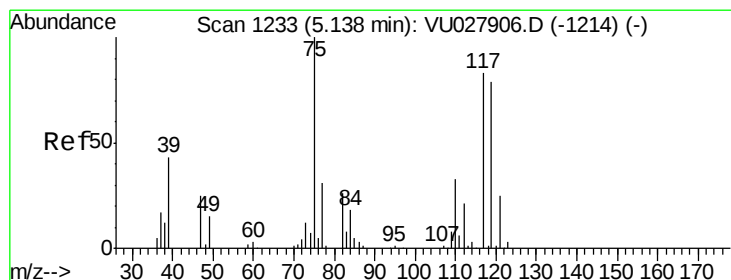
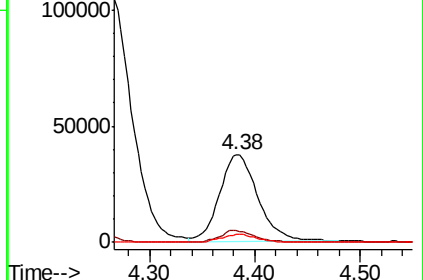
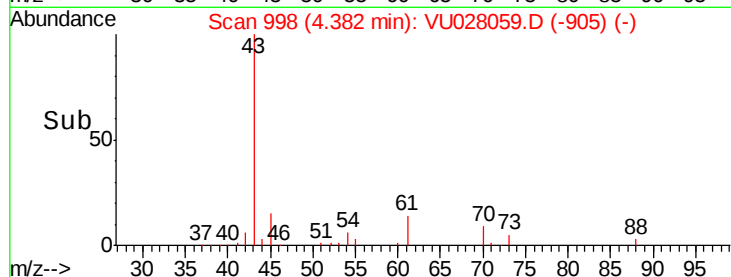
70 8.5 7.0 10.6



Abundance Ion 43.00 (42.70 to 43.70): VU028059.D (-905) (-)

Ion 60.90 (60.60 to 61.60): VU028059.D (-905) (-)

Ion 70.00 (69.70 to 70.70): VU028059.D (-905) (-)



#38

Carbon Tetrachloride

Concen: 20.974 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

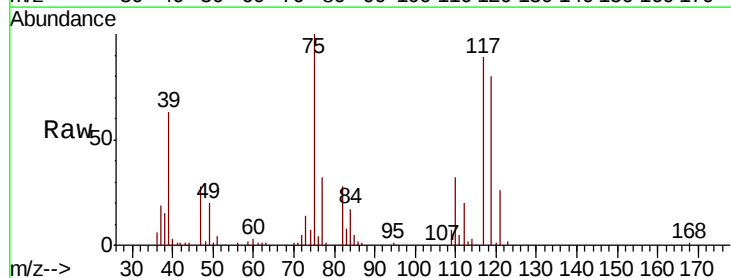
Tgt Ion: 117 Resp: 56629

Ion Ratio Lower Upper

117 100

119 89.7 76.0 114.0

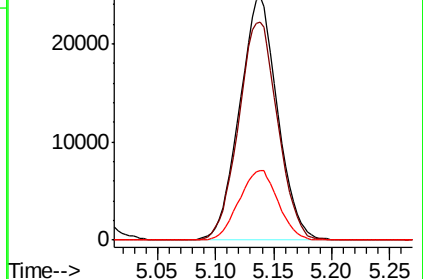
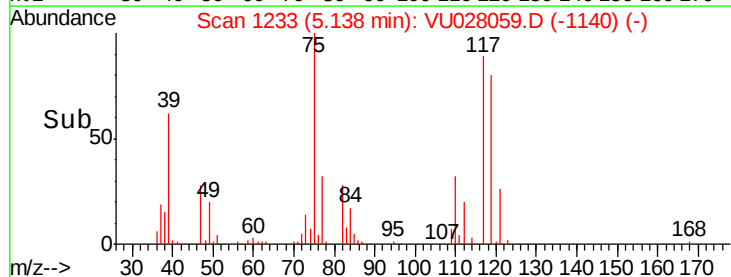
121 28.8 24.5 36.7

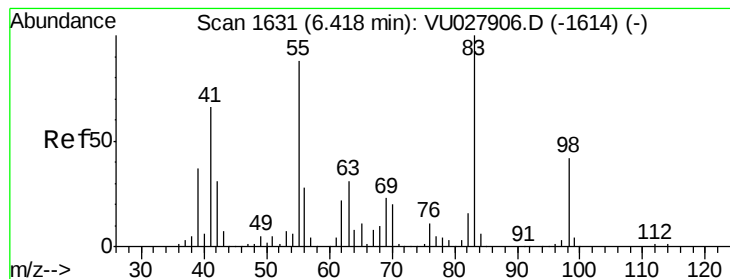


Abundance Ion 116.80 (116.50 to 117.50): VU028059.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU028059.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU028059.D (-1140) (-)





#39

Methvlcvclohexane

Concen: 20.235 ug/l

RT: 6.42 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Instrument :

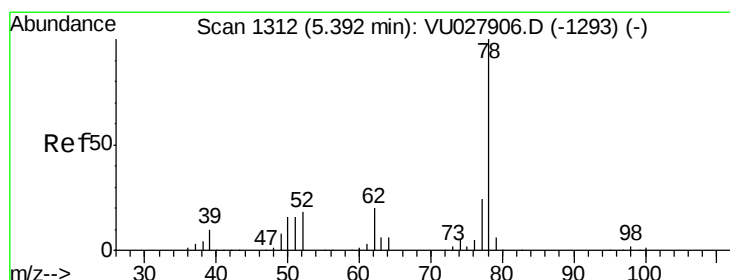
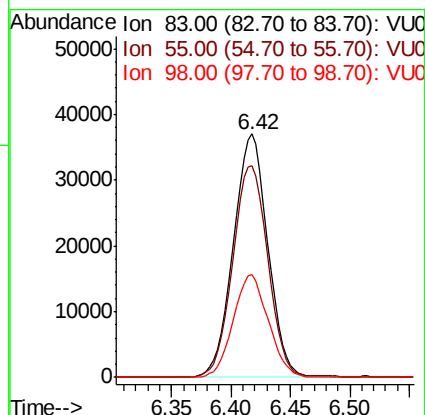
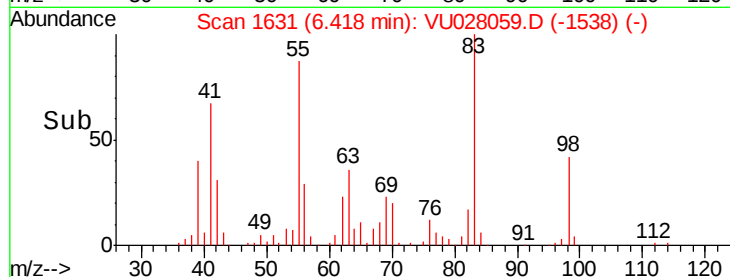
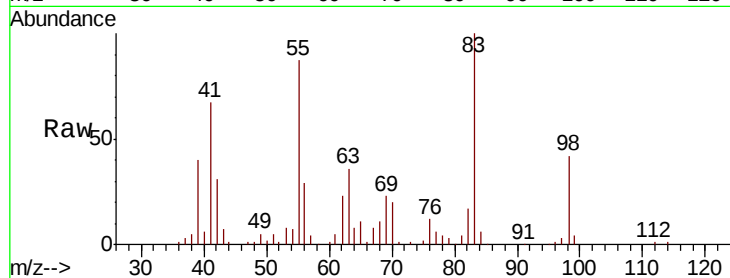
MSVOA_U

ClientSampleId :

VU1112WBSD01

Tot Ion: 83 Resp: 74356

Ion	Ratio	Lower	Upper
83	100		
55	86.9	70.3	105.5
98	42.0	34.0	51.0



#40

Benzene

Concen: 20.854 ug/l

RT: 5.39 min Scan# 1312

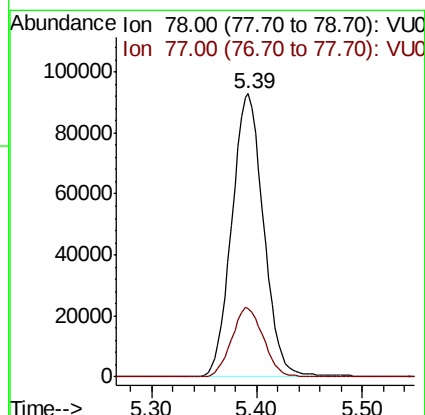
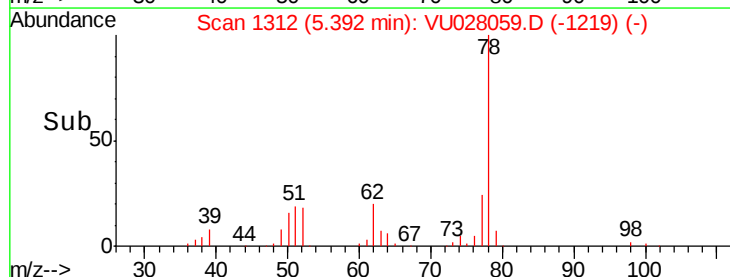
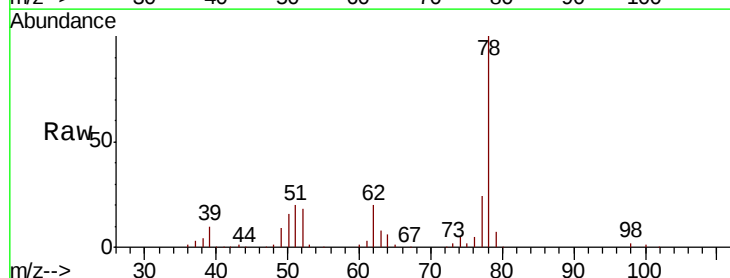
Delta R.T. -0.00 min

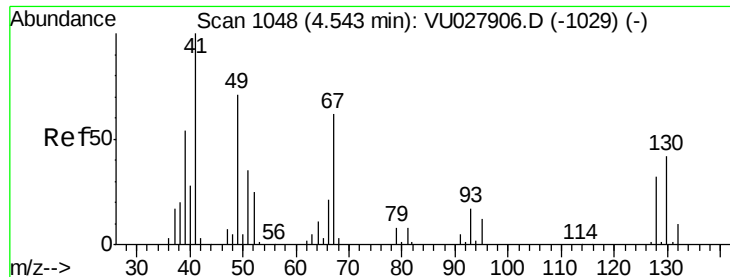
Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Tgt Ion: 78 Resp: 194253

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.3	28.9

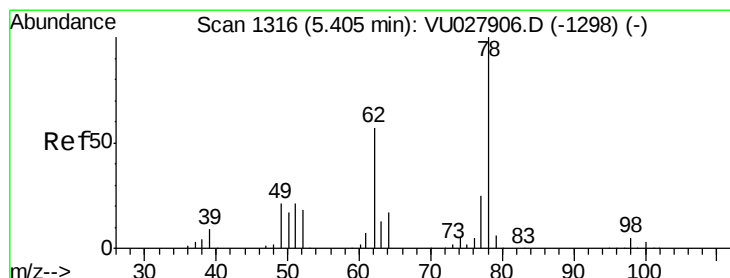
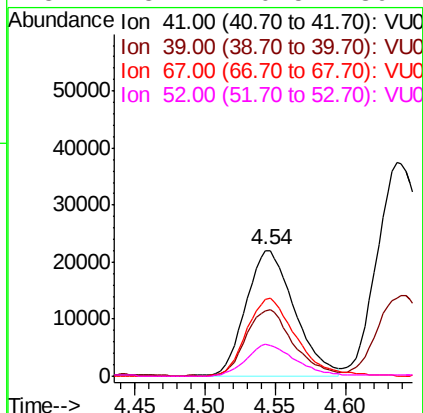
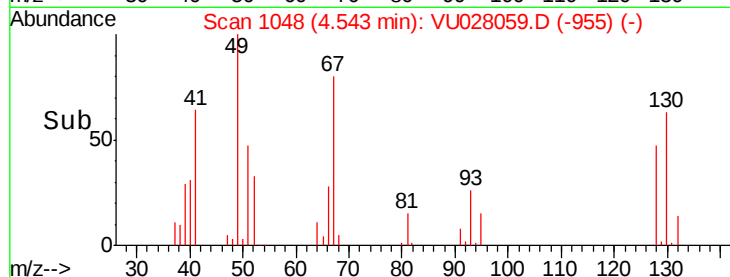
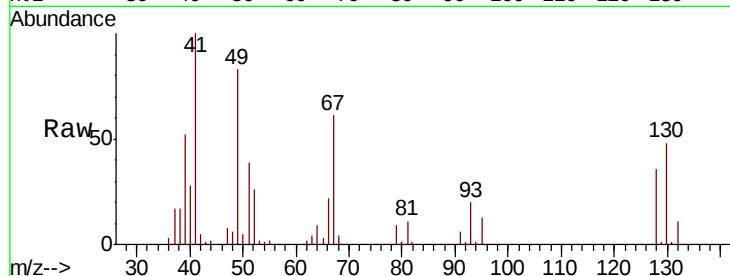




#41
Methacrylonitrile
Concen: 22.312 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU028059.D
Acq: 12 Nov 2018 12:56

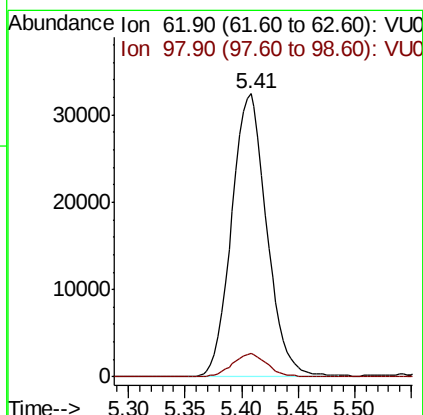
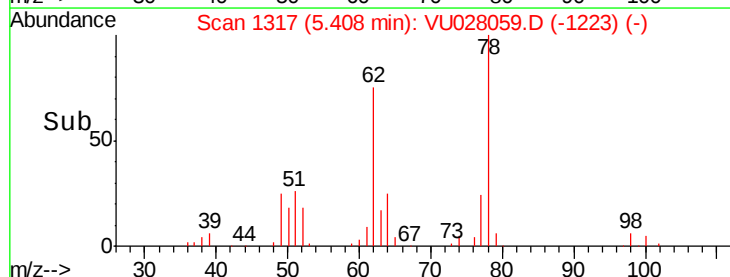
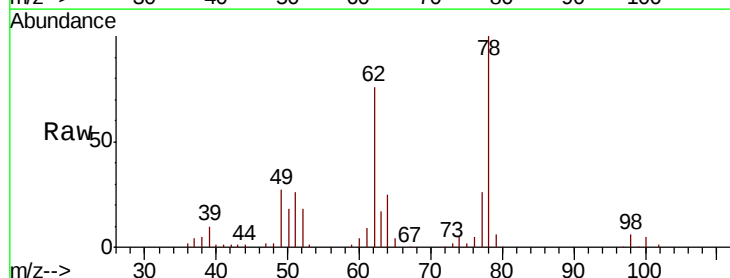
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBSD01

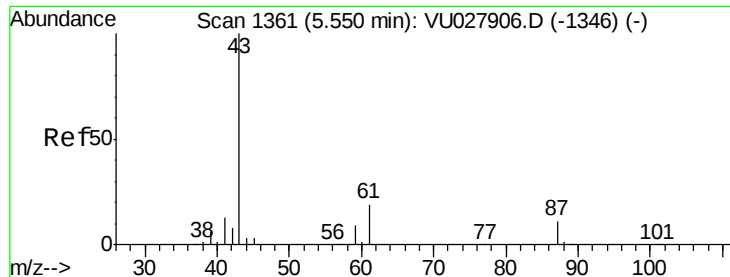
Tot Ion:	41	Resp:	53155
Ion	Ratio	Lower	Upper
41	100		
39	52.2	42.2	63.4
67	63.0	49.5	74.3
52	25.7	20.5	30.7



#42
1,2-Dichloroethane
Concen: 21.214 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU028059.D
Acq: 12 Nov 2018 12:56

Tgt Ion:	62	Resp:	70239
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.2





#43

Isopropyl Acetate

Concen: 21.149 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBSD01

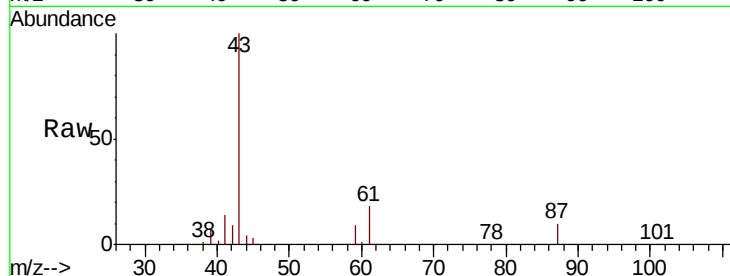
Tot Ion: 43 Resp: 147915

Ion Ratio Lower Upper

43 100

61 18.2 15.0 22.4

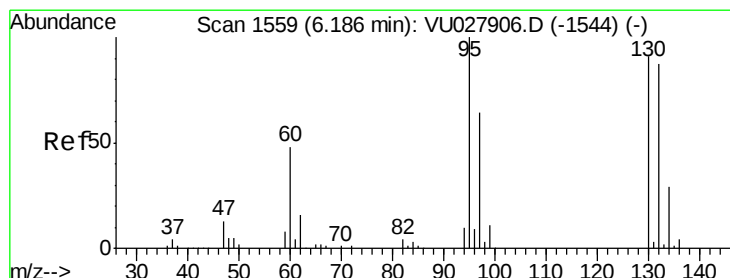
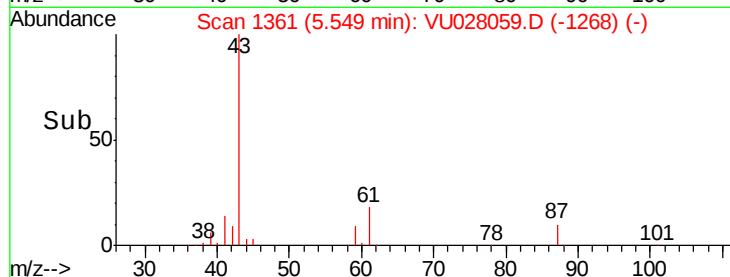
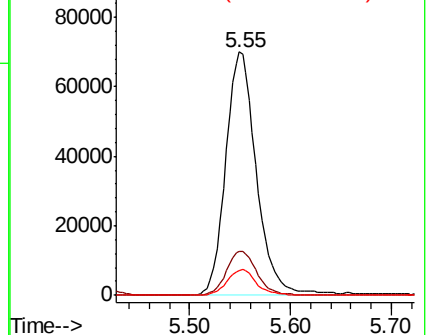
87 10.2 8.6 12.8



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

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

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



#44

Trichloroethene

Concen: 20.796 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU028059.D

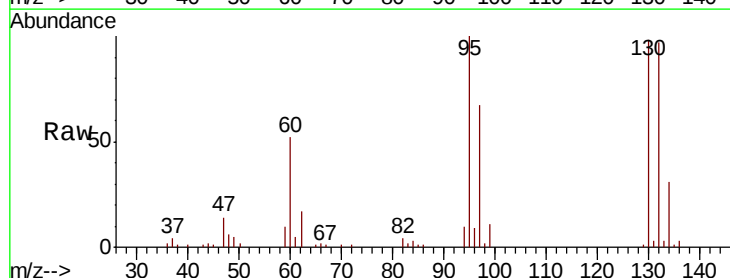
Acq: 12 Nov 2018 12:56

Tgt Ion:130 Resp: 41639

Ion Ratio Lower Upper

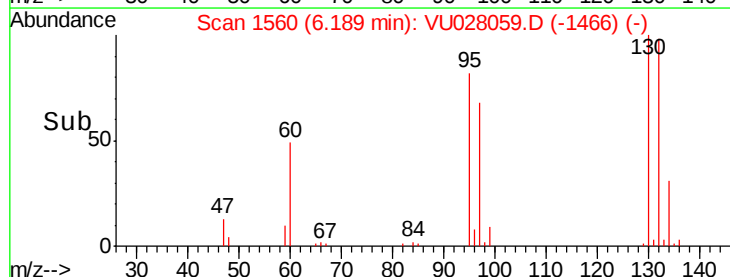
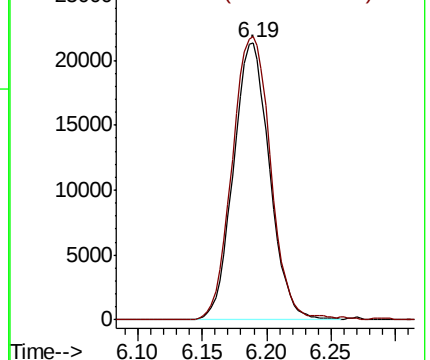
130 100

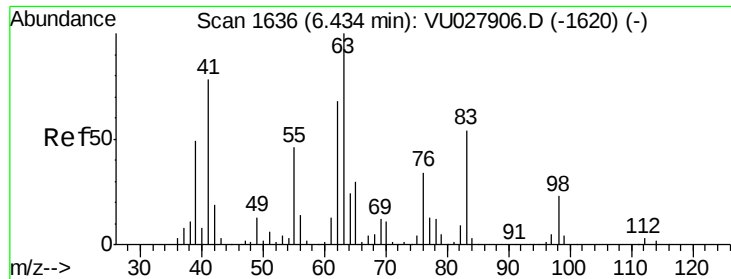
95 102.0 0.0 219.2



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

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





#45

1,2-Dichloropropane

Concen: 21.706 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

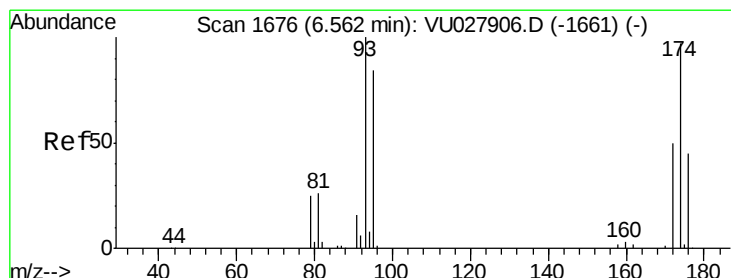
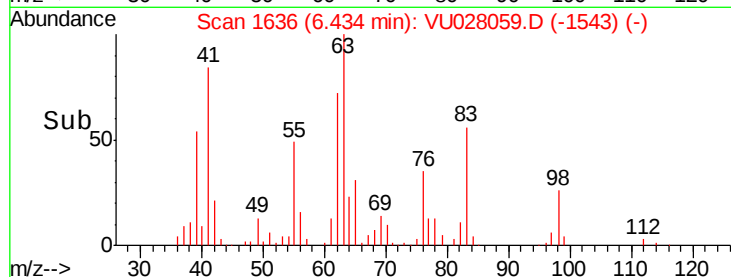
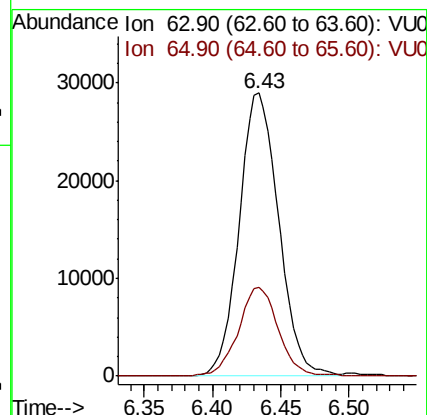
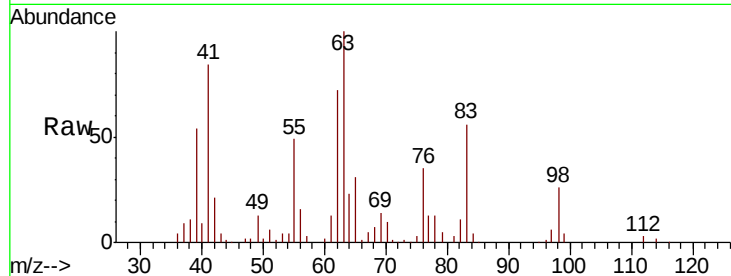
VU1112WBSD01

Tot Ion: 63 Resp: 58311

Ion Ratio Lower Upper

63 100

65 31.4 24.4 36.6



#46

Dibromomethane

Concen: 21.441 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

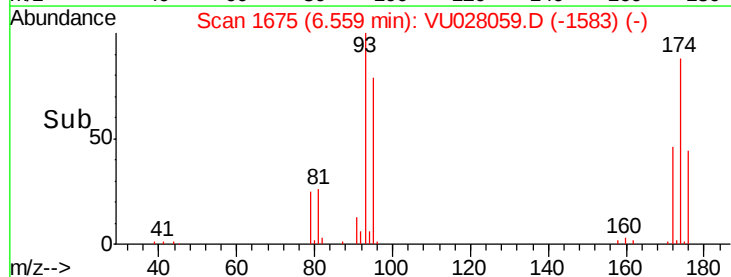
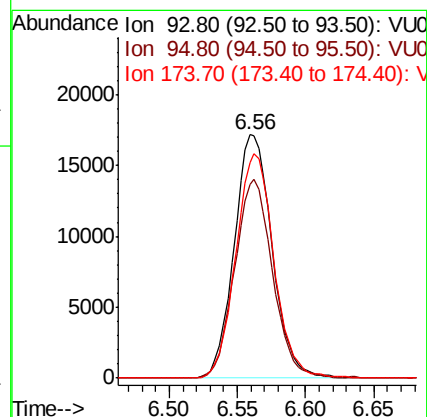
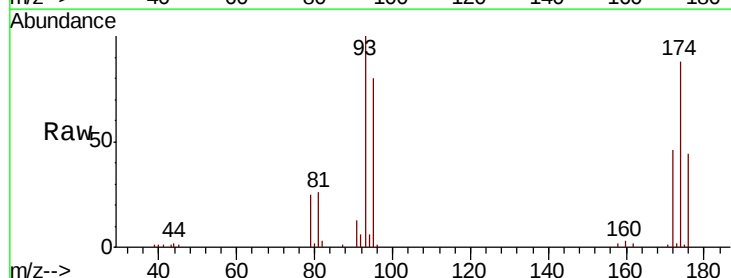
Tgt Ion: 93 Resp: 33107

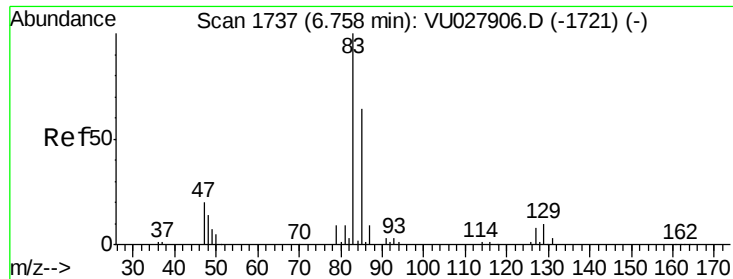
Ion Ratio Lower Upper

93 100

95 81.6 68.5 102.7

174 92.4 76.1 114.1





#47

Bromodichloromethane

Concen: 21.295 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBSD01

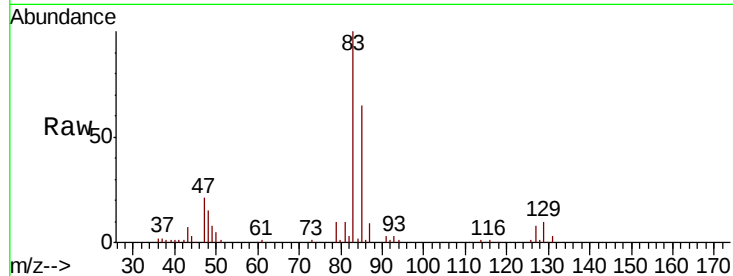
Tot Ion: 83 Resp: 63368

Ion Ratio Lower Upper

83 100

85 64.6 51.0 76.6

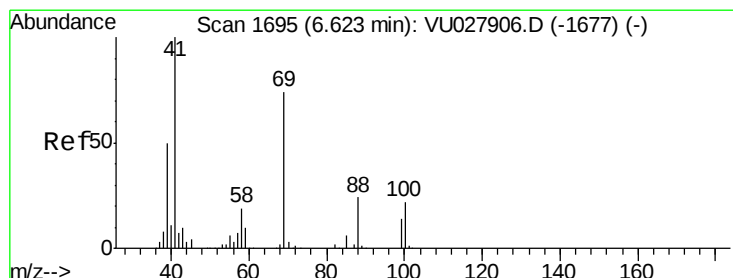
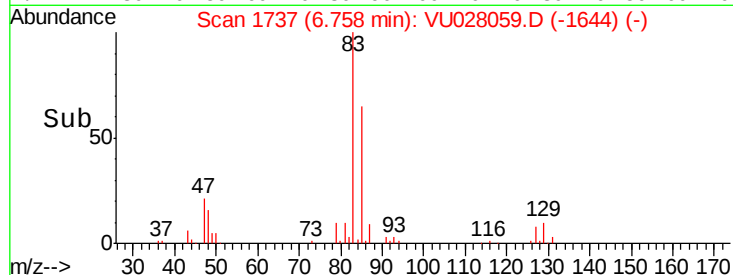
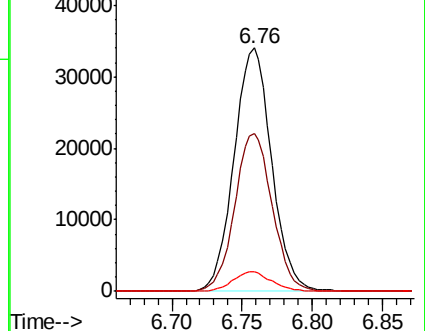
127 8.2 6.2 9.4



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

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

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



#48

Methyl methacrylate

Concen: 21.736 ug/l

RT: 6.62 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

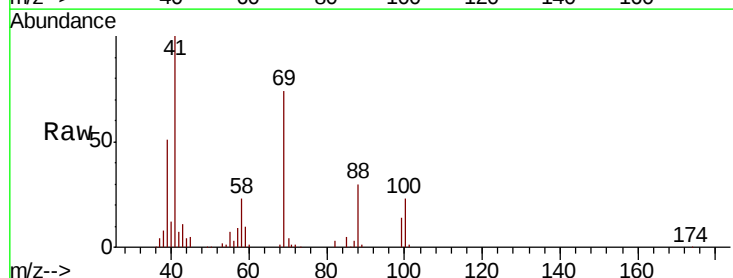
Tgt Ion: 41 Resp: 74497

Ion Ratio Lower Upper

41 100

69 73.9 59.8 89.8

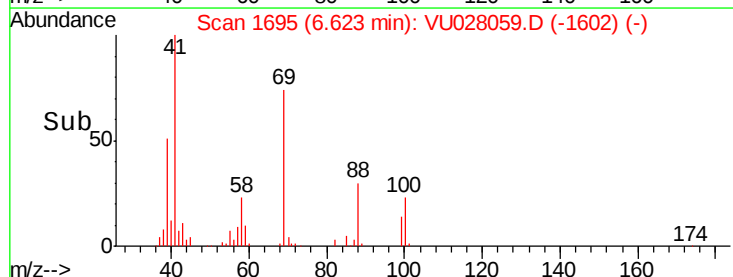
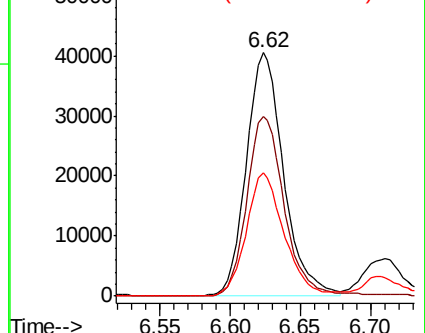
39 51.8 40.0 60.0



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

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

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

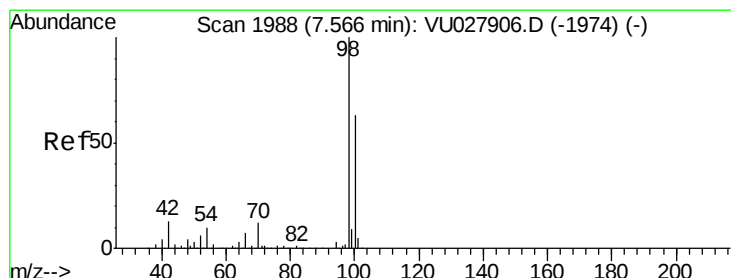
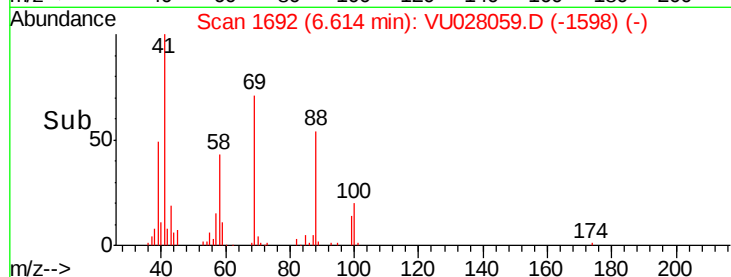
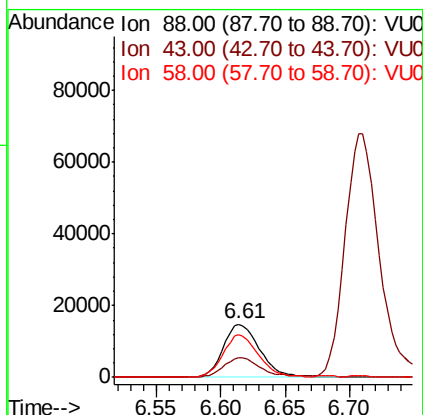
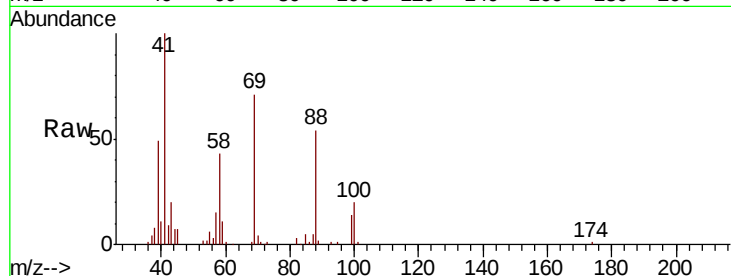




#49
 1,4-Dioxane
 Concen: 525.303 ug/l
 RT: 6.61 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VU028059.D
 Acq: 12 Nov 2018 12:56

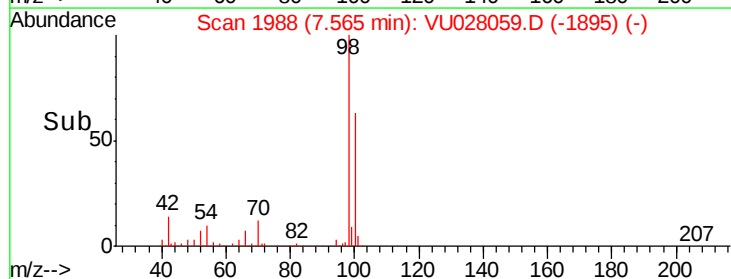
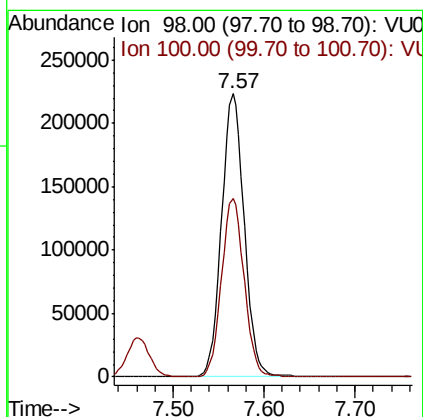
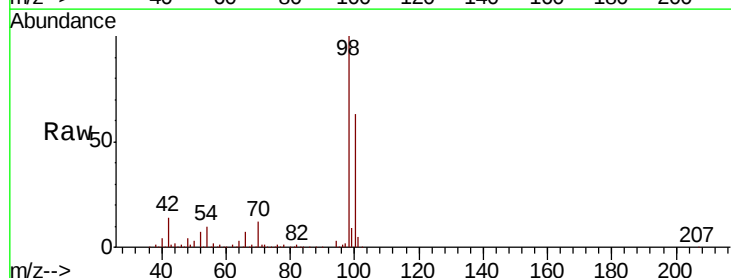
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBSD01

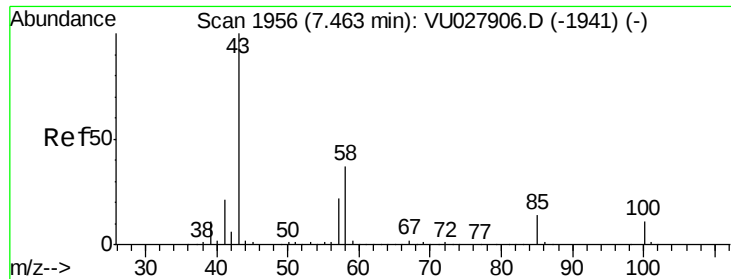
Tot Ion: 88 Resp: 29373
 Ion Ratio Lower Upper
 88 100
 43 34.8 30.5 45.7
 58 77.9 67.1 100.7



#50
 Toluene-d8
 Concen: 54.713 ug/l
 RT: 7.57 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VU028059.D
 Acq: 12 Nov 2018 12:56

Tgt Ion: 98 Resp: 387655
 Ion Ratio Lower Upper
 98 100
 100 62.6 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 106.217 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

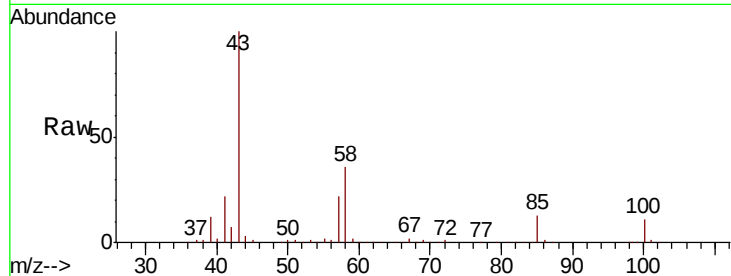
VU1112WBSD01

Tot Ion: 43 Resp: 496111

Ion Ratio Lower Upper

43 100

58 36.3 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

250000

200000

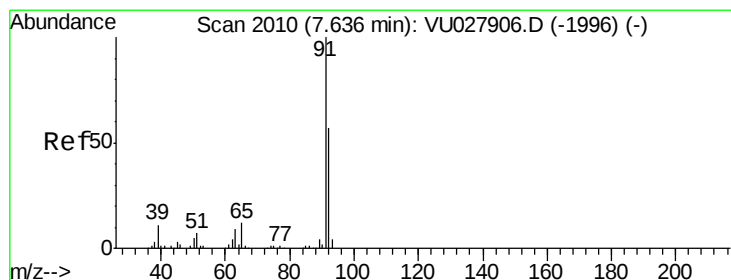
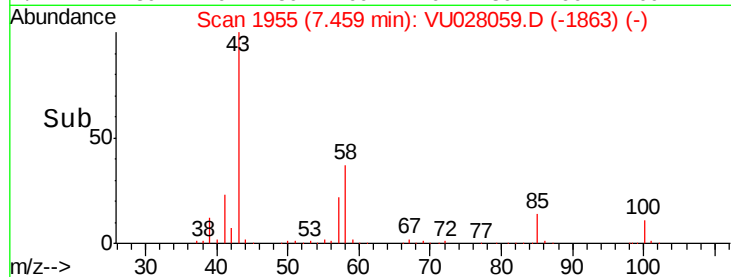
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.784 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028059.D

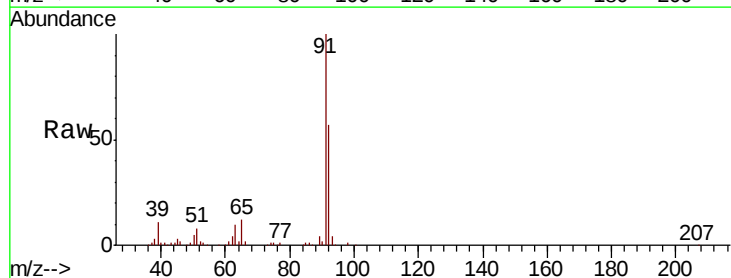
Acq: 12 Nov 2018 12:56

Tgt Ion: 92 Resp: 113815

Ion Ratio Lower Upper

92 100

91 176.4 141.2 211.8



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

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

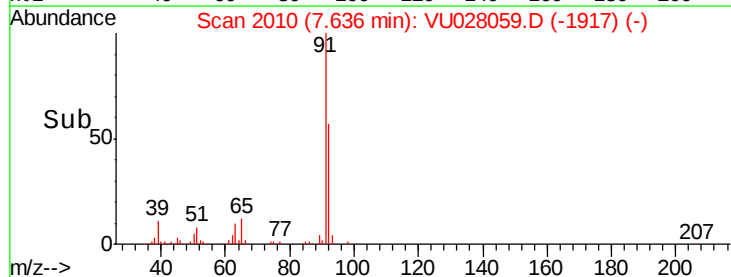
7.64

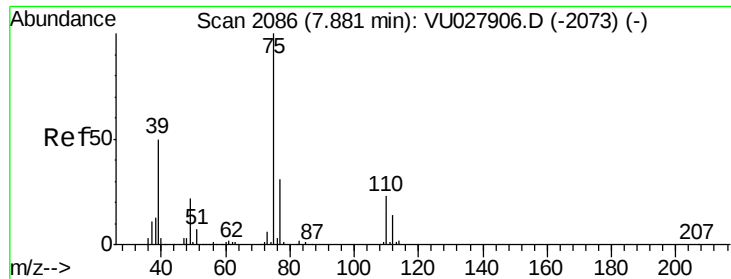
100000

50000

0

Time-->

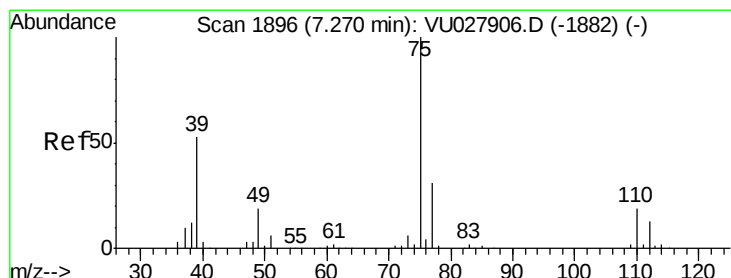
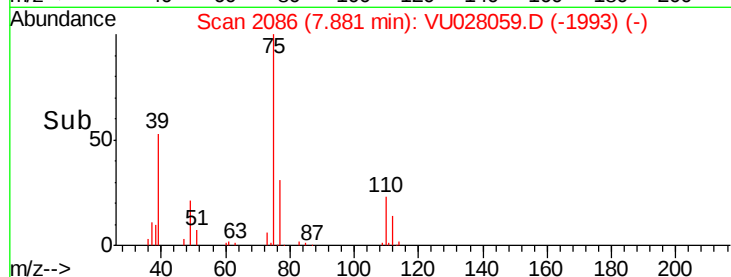
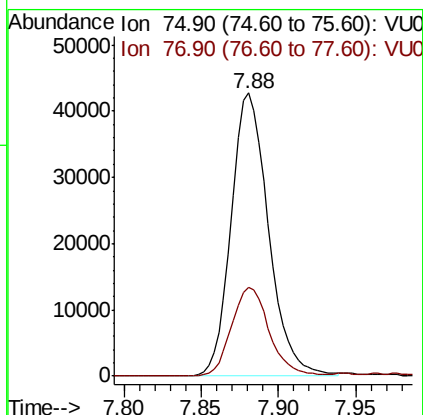
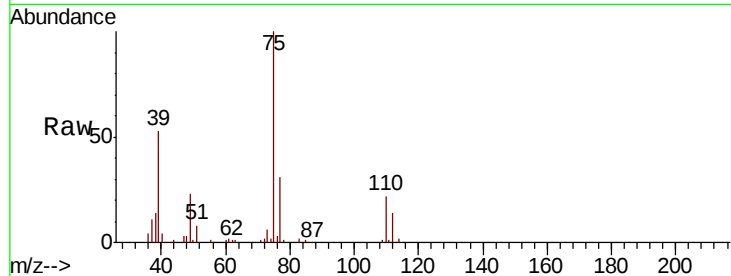




#53
t-1,3-Dichloropropene
Concen: 20.148 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU028059.D
Acq: 12 Nov 2018 12:56

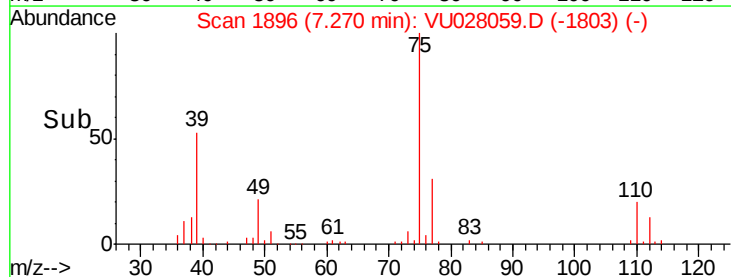
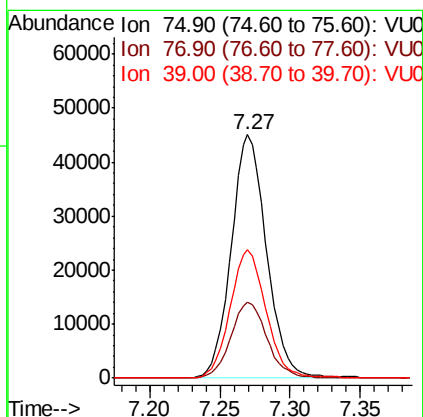
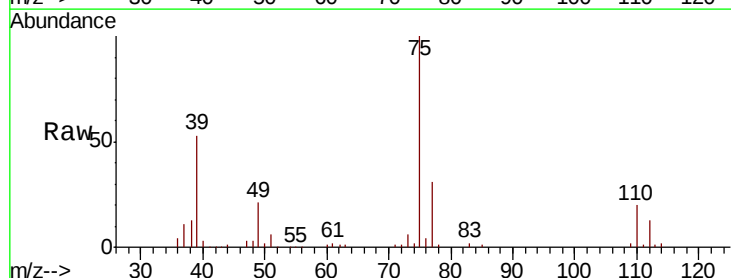
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBSD01

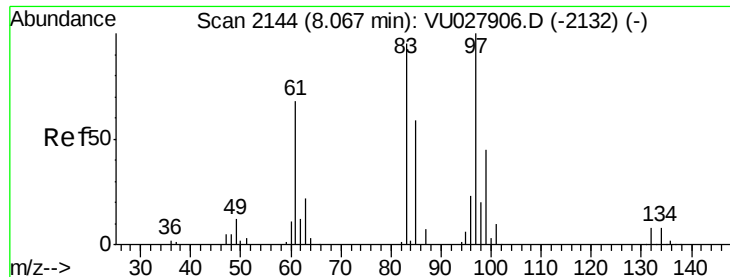
Tot Ion: 75 Resp: 71830
Ion Ratio Lower Upper
75 100
77 31.5 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 21.500 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU028059.D
Acq: 12 Nov 2018 12:56

Tgt Ion: 75 Resp: 78871
Ion Ratio Lower Upper
75 100
77 31.0 24.6 37.0
39 52.7 42.6 64.0





#55

1,1,2-Trichloroethane

Concen: 21.392 ug/l

RT: 8.07 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBSD01

Tot Ion: 97 Resp: 47660

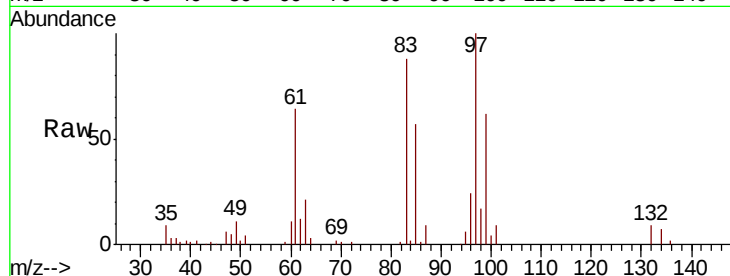
Ion Ratio Lower Upper

97 100

83 88.7 76.1 114.1

85 56.9 48.9 73.3

99 62.4 52.0 78.0

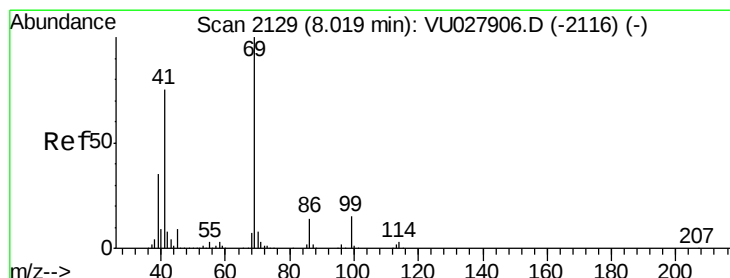
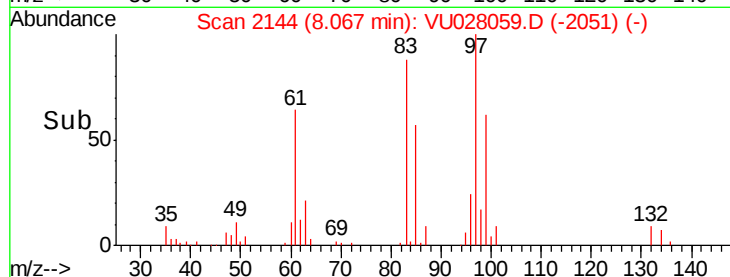
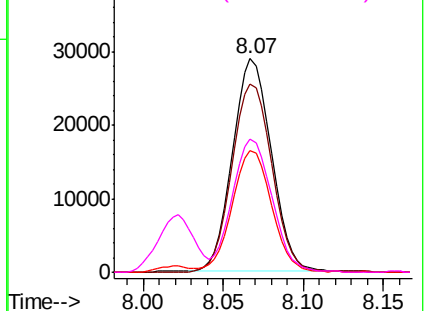


Abundance Ion 96.90 (96.60 to 97.60): VU027906.D (-2132) (-)

Ion 82.90 (82.60 to 83.60): VU027906.D (-2132) (-)

Ion 84.90 (84.60 to 85.60): VU027906.D (-2132) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-2132) (-)



#56

Ethyl methacrylate

Concen: 21.026 ug/l

RT: 8.02 min Scan# 2129

Delta R.T. 0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

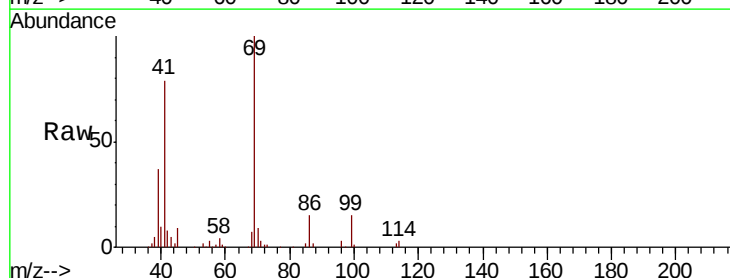
Tgt Ion: 69 Resp: 82609

Ion Ratio Lower Upper

69 100

41 77.3 59.8 89.6

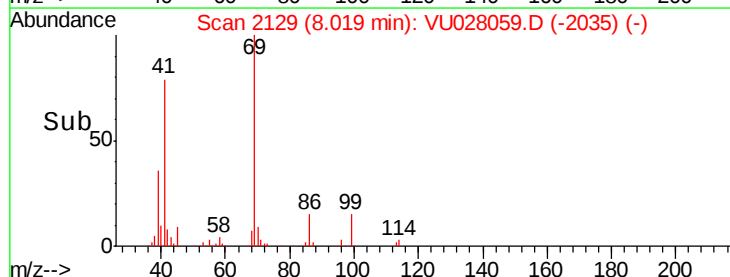
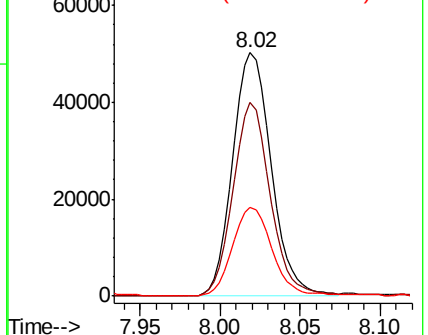
39 36.8 28.6 42.8



Abundance Ion 69.00 (68.70 to 69.70): VU027906.D (-2116) (-)

Ion 41.00 (40.70 to 41.70): VU027906.D (-2116) (-)

Ion 39.00 (38.70 to 39.70): VU027906.D (-2116) (-)

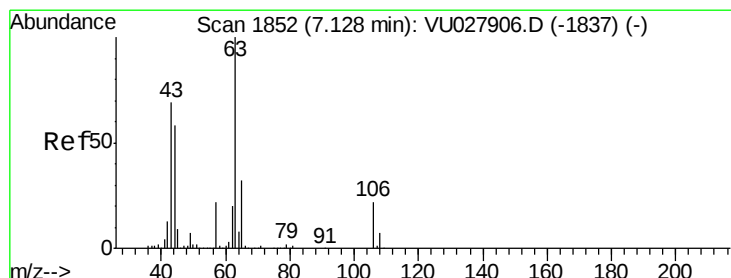
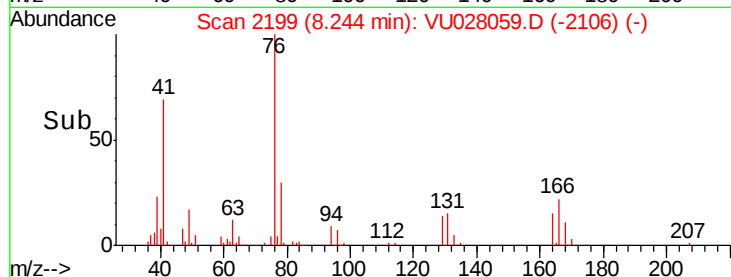
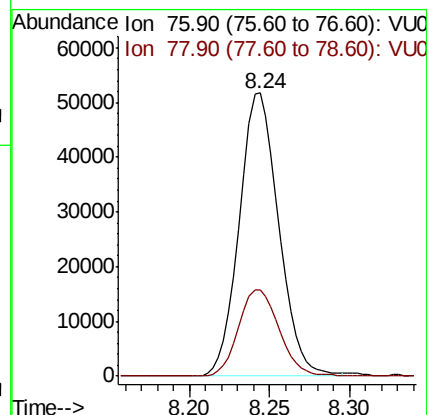
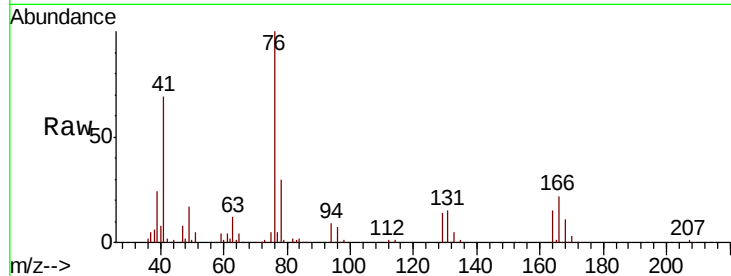




#57
 1,3-Dichloropropane
 Concen: 21.420 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU028059.D
 Acq: 12 Nov 2018 12:56

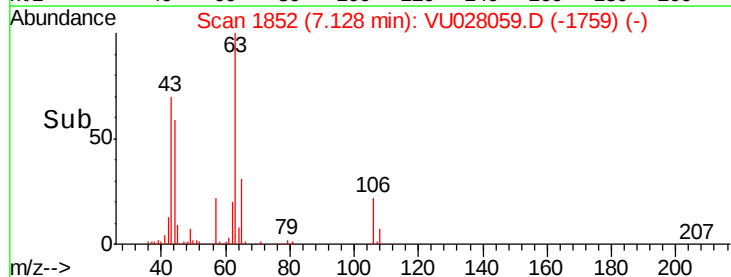
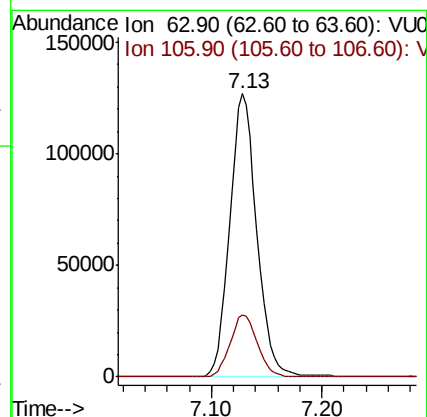
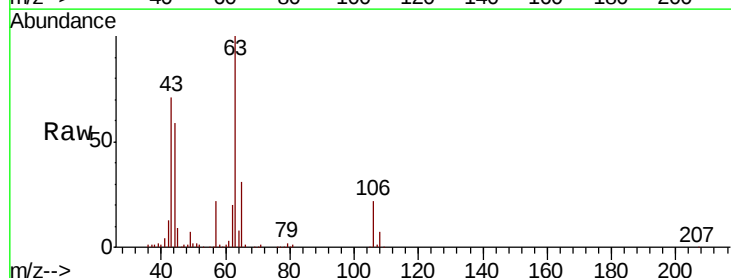
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBSD01

Tot Ion: 76 Resp: 86929
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.516 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU028059.D
 Acq: 12 Nov 2018 12:56

Tgt Ion: 63 Resp: 215720
 Ion Ratio Lower Upper
 63 100
 106 22.2 17.8 26.6

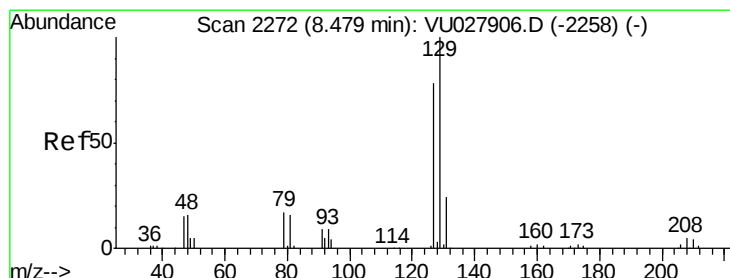
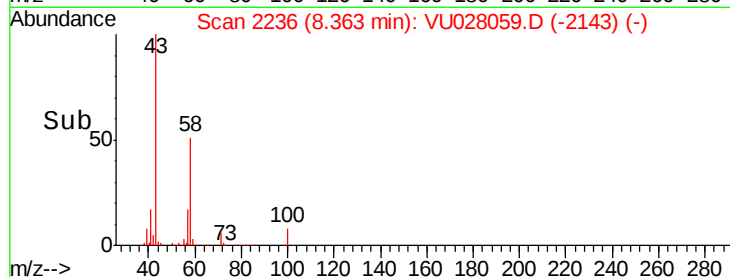
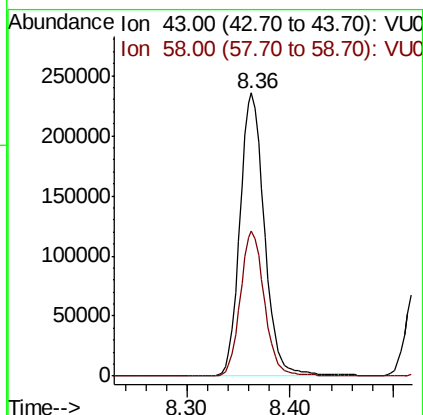
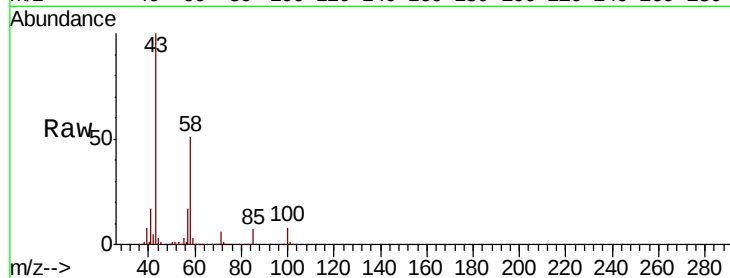




#59
2-Hexanone
Concen: 108.027 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU028059.D
Acq: 12 Nov 2018 12:56

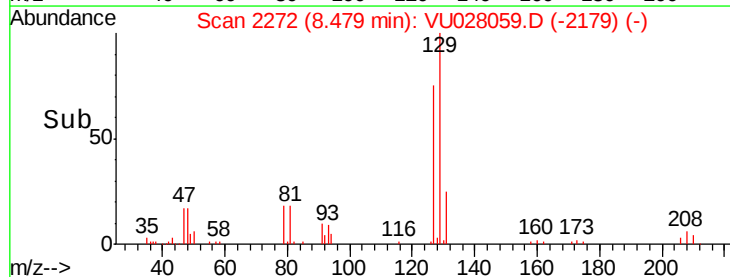
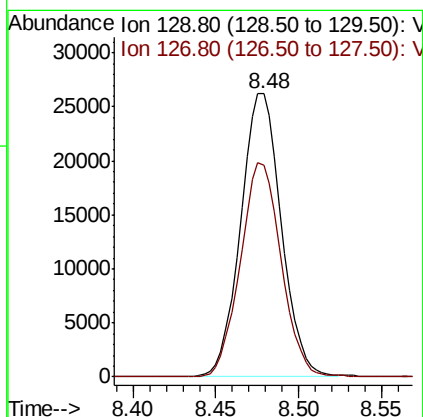
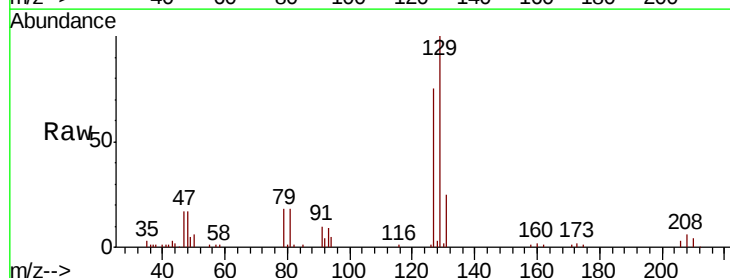
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBSD01

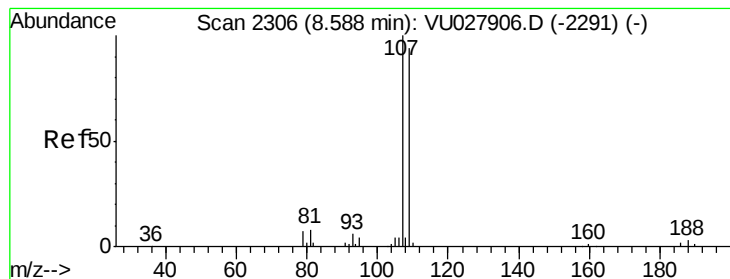
Tot Ion: 43 Resp: 390246
Ion Ratio Lower Upper
43 100
58 50.1 25.8 77.3



#60
Dibromochloromethane
Concen: 21.256 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU028059.D
Acq: 12 Nov 2018 12:56

Tgt Ion: 129 Resp: 44812
Ion Ratio Lower Upper
129 100
127 75.8 39.2 117.6





#61

1,2-Dibromoethane

Concen: 21.061 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

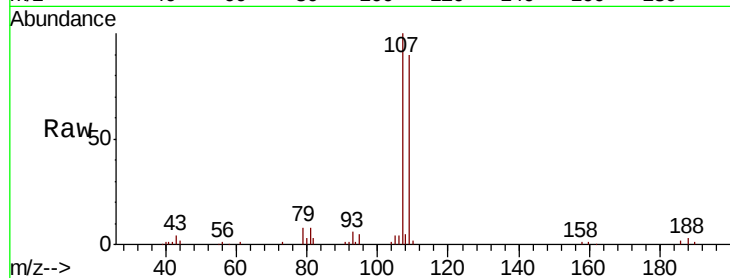
VU1112WBSD01

Tot Ion:107 Resp: 49858

Ion Ratio Lower Upper

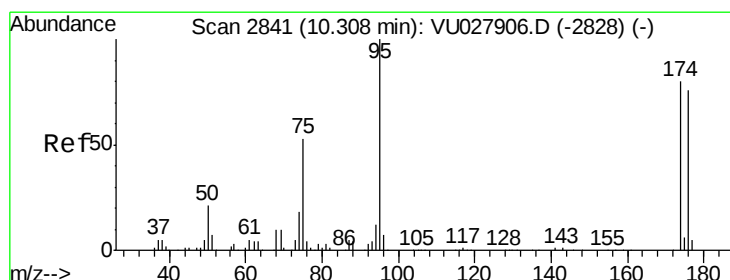
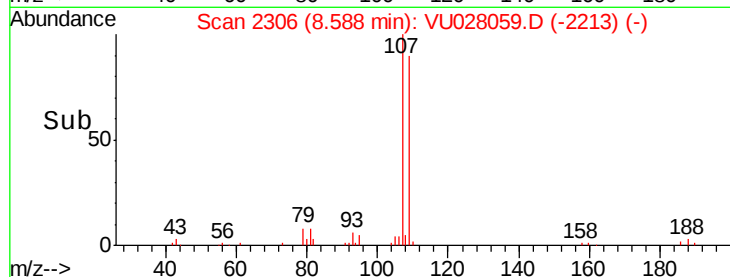
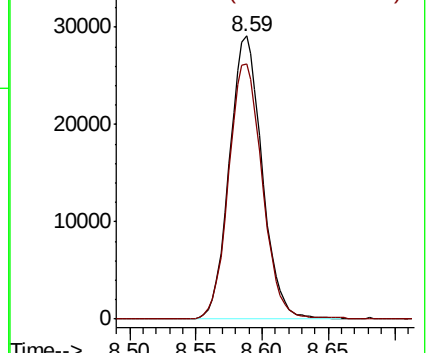
107 100

109 92.8 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: 53.026 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

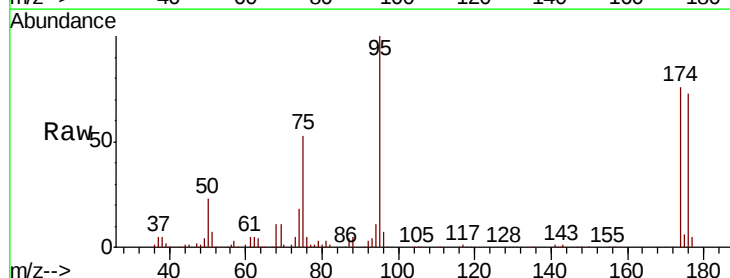
Tgt Ion: 95 Resp: 138574

Ion Ratio Lower Upper

95 100

174 75.3 0.0 156.4

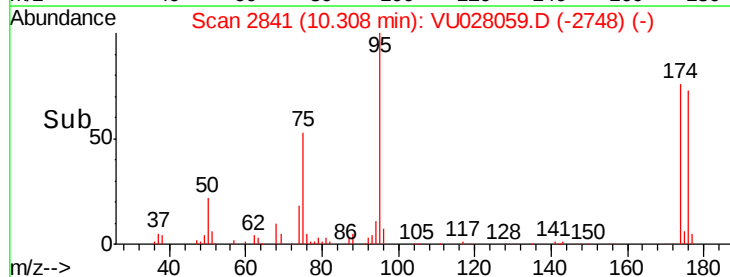
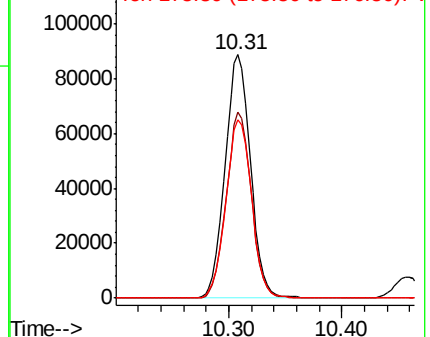
176 74.0 0.0 150.8

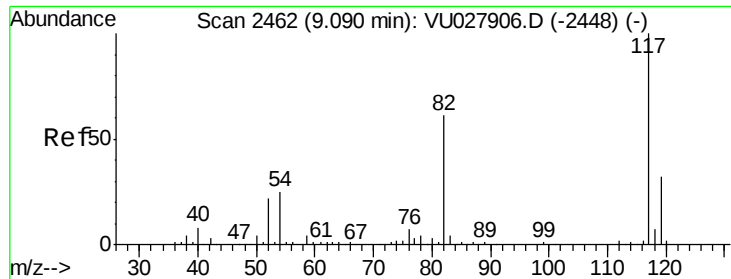


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

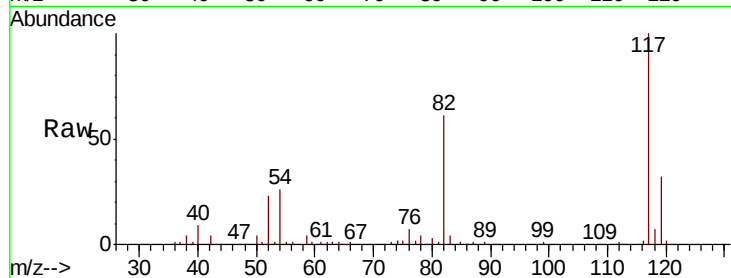




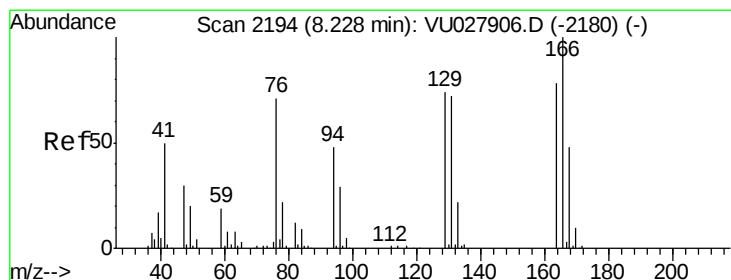
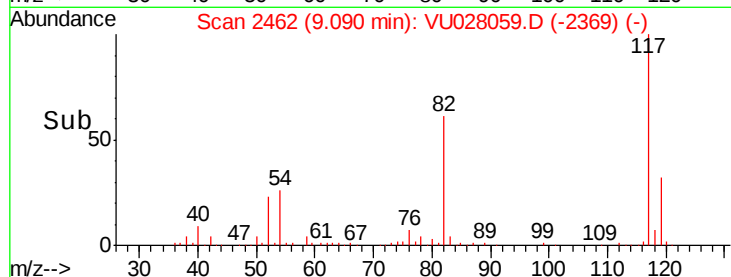
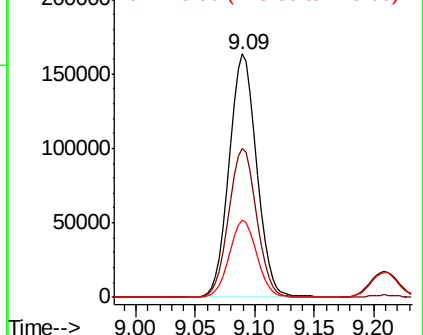
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028059.D
Acq: 12 Nov 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBSD01

Tot Ion:117 Resp: 263121
Ion Ratio Lower Upper
117 100
82 61.4 48.6 73.0
119 31.5 25.8 38.8



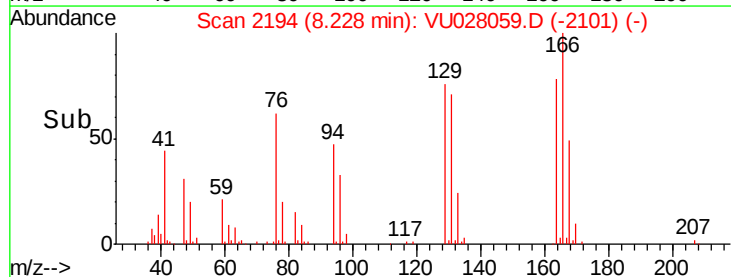
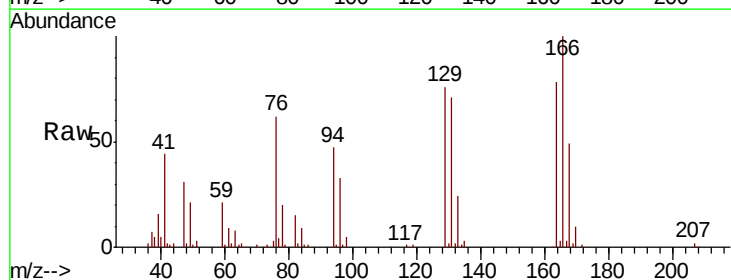
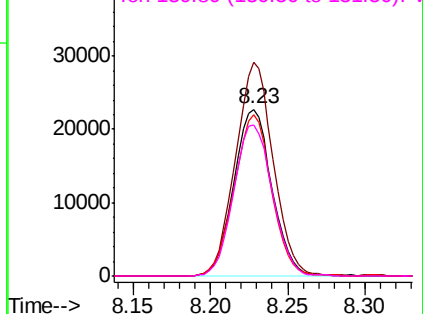
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU028059.D (-2369) (-)
Ion 118.90 (118.60 to 119.60): V

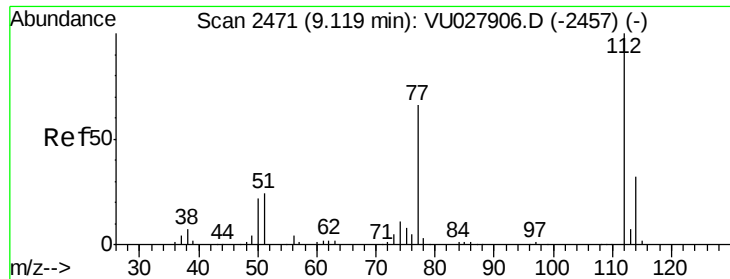


#64
Tetrachloroethene
Concen: 22.718 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028059.D
Acq: 12 Nov 2018 12:56

Tgt Ion:164 Resp: 38760
Ion Ratio Lower Upper
164 100
166 128.3 102.1 153.1
129 97.0 75.9 113.9
131 90.7 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

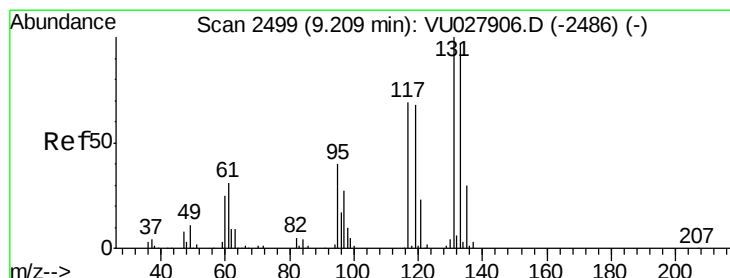
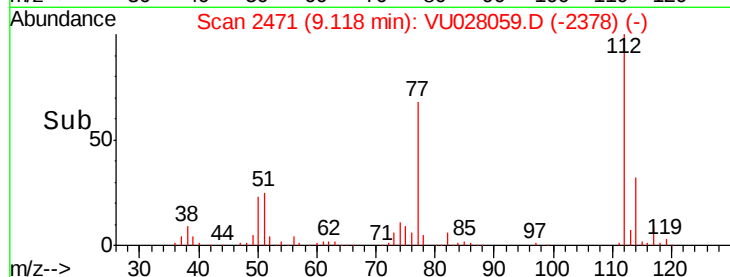
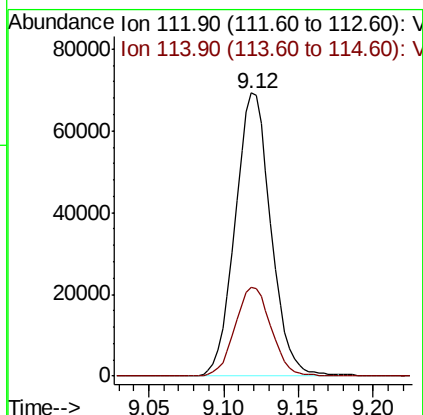
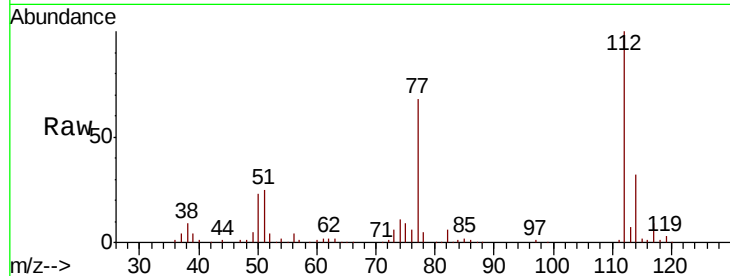




#65
Chlorobenzene
Concen: 20.739 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028059.D
Acq: 12 Nov 2018 12:56

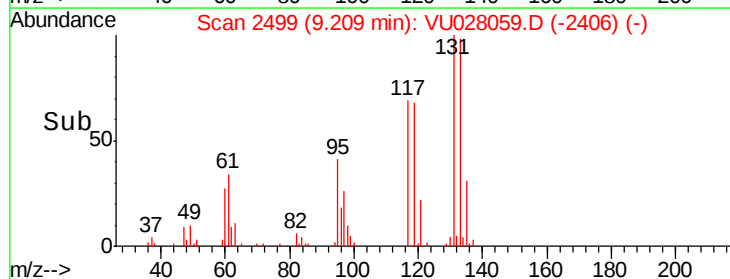
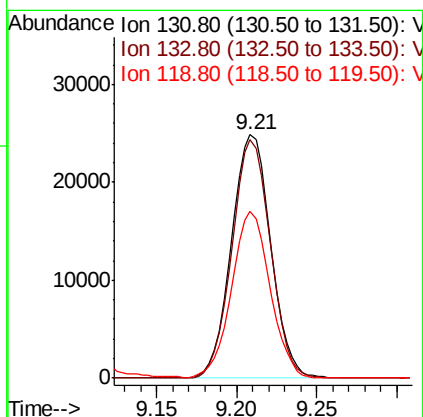
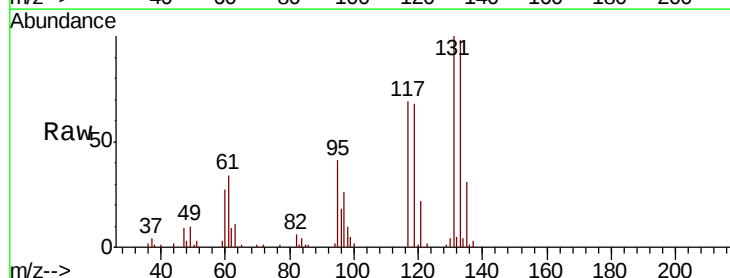
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBSD01

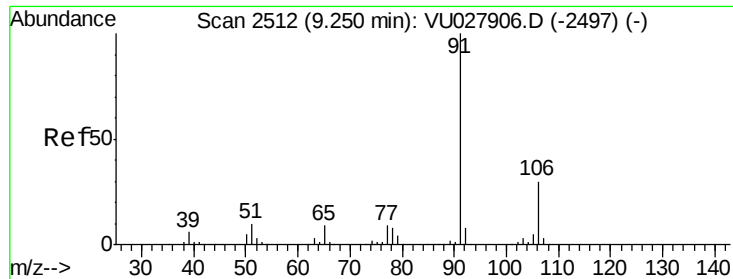
Tot Ion:112 Resp: 115289
Ion Ratio Lower Upper
112 100
114 31.6 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.876 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU028059.D
Acq: 12 Nov 2018 12:56

Tgt Ion:131 Resp: 41537
Ion Ratio Lower Upper
131 100
133 95.7 48.1 144.4
119 67.0 34.0 101.8

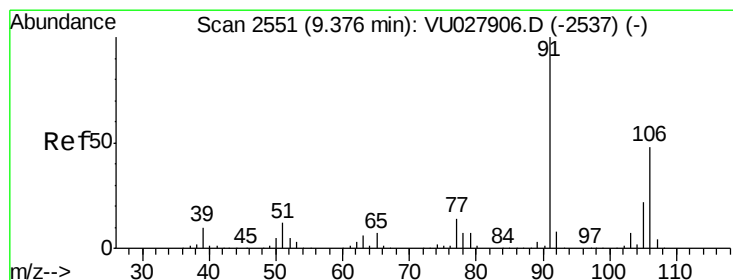
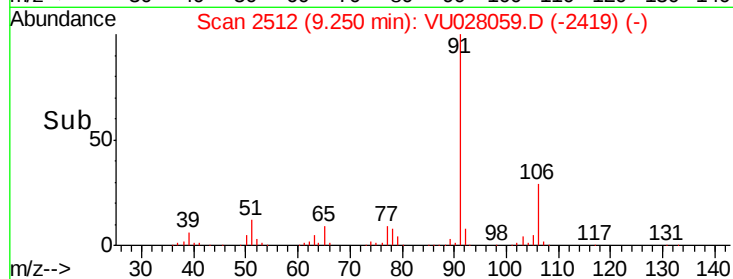
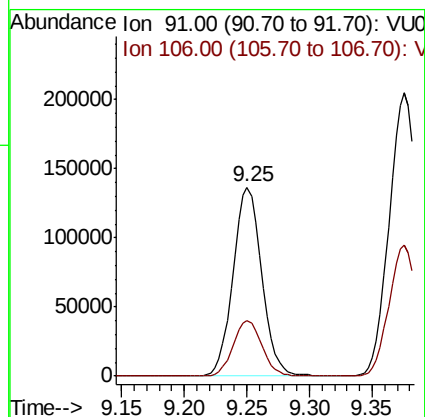
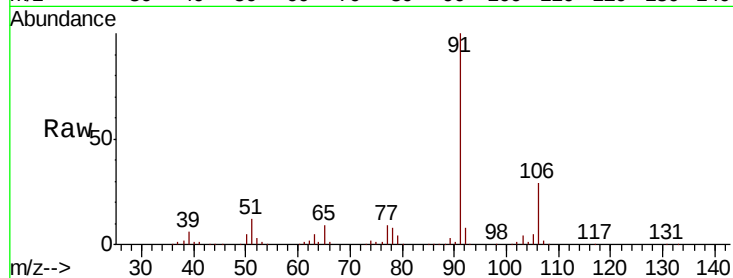




#67
Ethyl Benzene
Concen: 21.217 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU028059.D
Acq: 12 Nov 2018 12:56

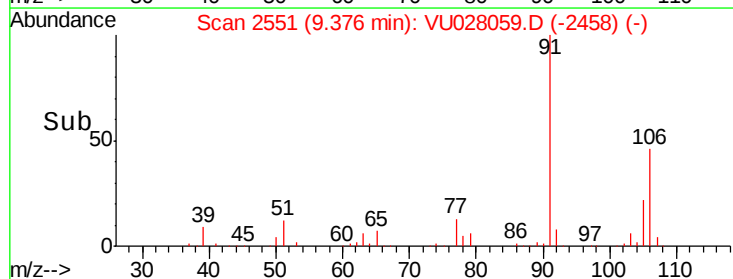
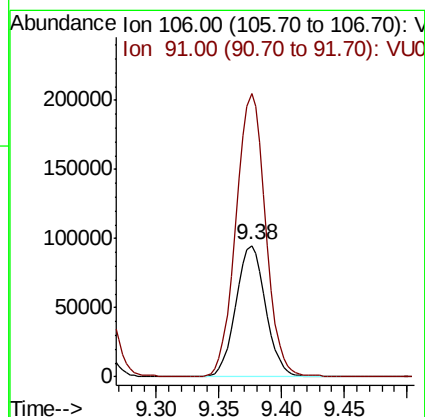
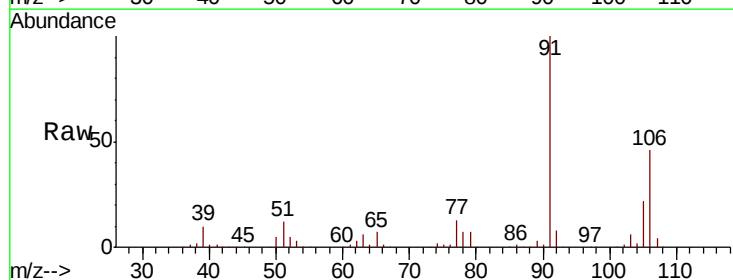
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBSD01

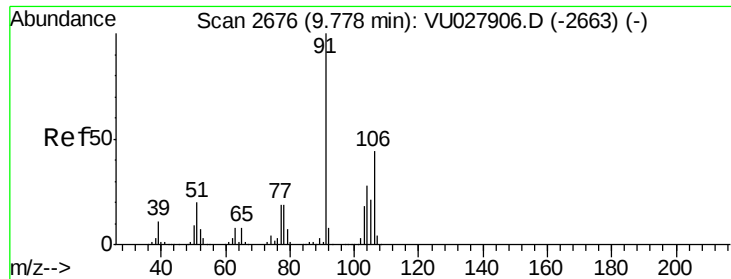
Tot Ion: 91 Resp: 217105
Ion Ratio Lower Upper
91 100
106 29.4 23.6 35.4



#68
m/p-Xylenes
Concen: 42.303 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU028059.D
Acq: 12 Nov 2018 12:56

Tgt Ion: 106 Resp: 157059
Ion Ratio Lower Upper
106 100
91 214.1 168.2 252.4

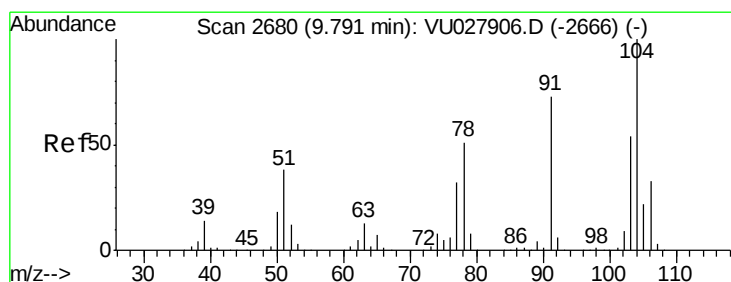
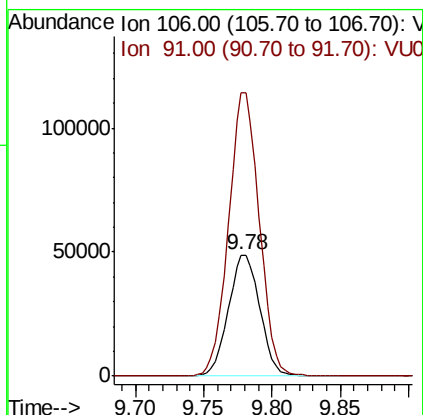
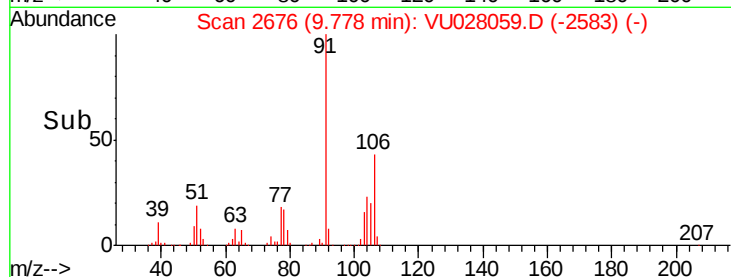
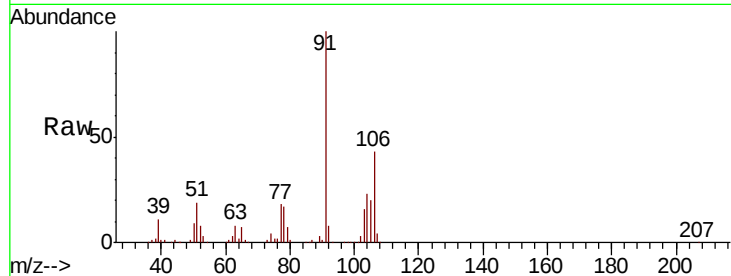




#69
o-Xylene
Concen: 20.928 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028059.D
Acq: 12 Nov 2018 12:56

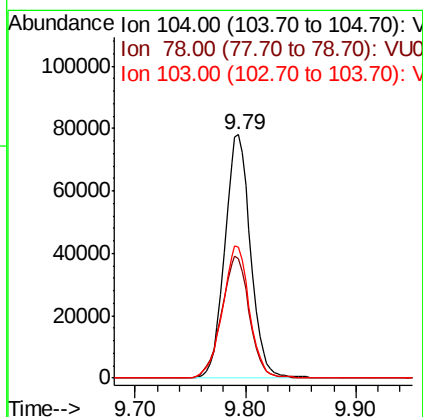
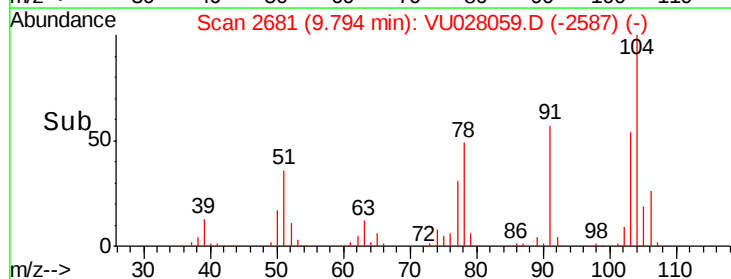
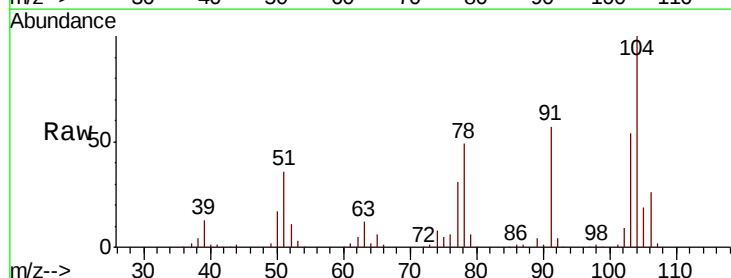
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBSD01

Tot Ion:106 Resp: 78461
Ion Ratio Lower Upper
106 100
91 227.6 111.1 333.4



#70
Styrene
Concen: 21.105 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028059.D
Acq: 12 Nov 2018 12:56

Tgt Ion:104 Resp: 126425
Ion Ratio Lower Upper
104 100
78 53.8 43.0 64.4
103 56.6 45.1 67.7





#71

Bromoform

Concen: 20.787 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBSD01

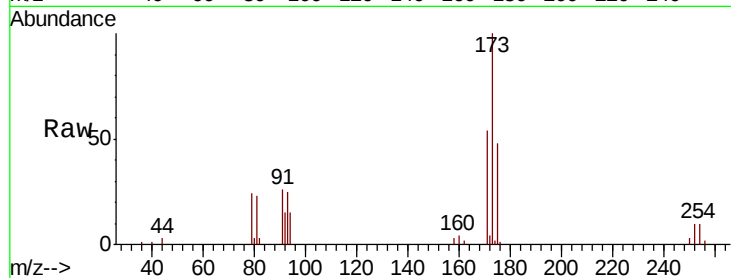
Tot Ion:173 Resp: 33078

Ion Ratio Lower Upper

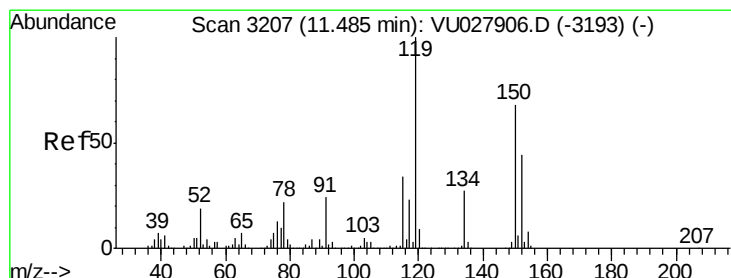
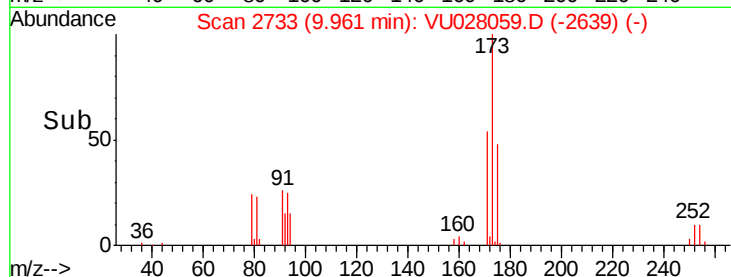
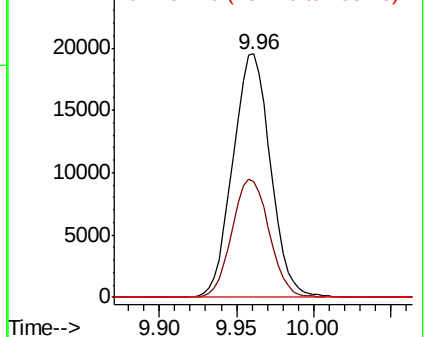
173 100

175 47.9 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: VU028059.D

Acq: 12 Nov 2018 12:56

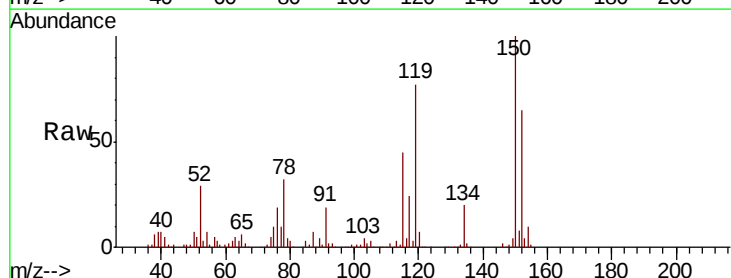
Tgt Ion:152 Resp: 123199

Ion Ratio Lower Upper

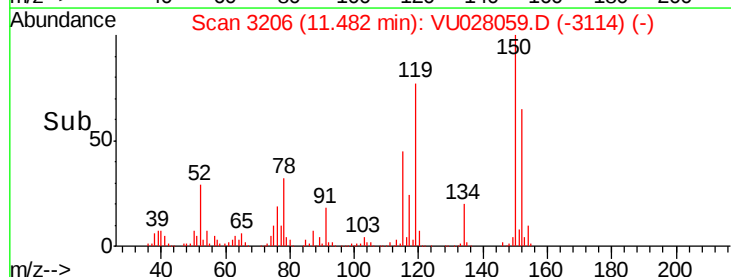
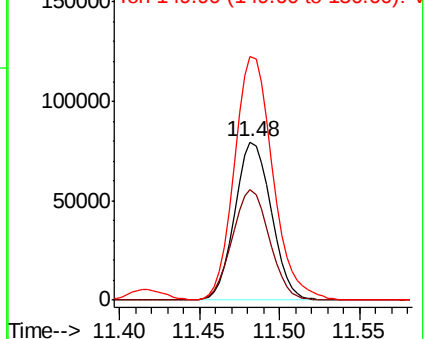
152 100

115 71.5 43.0 129.0

150 162.3 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: 22.179 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

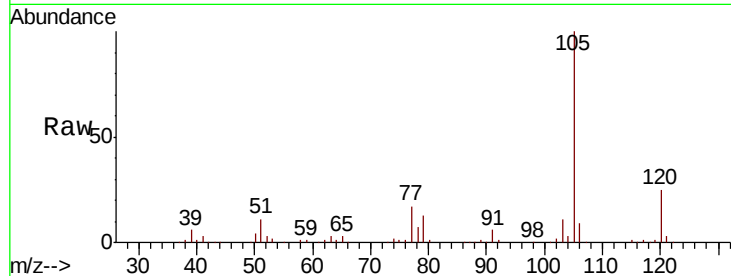
VU1112WBSD01

Tot Ion:105 Resp: 211674

Ion Ratio Lower Upper

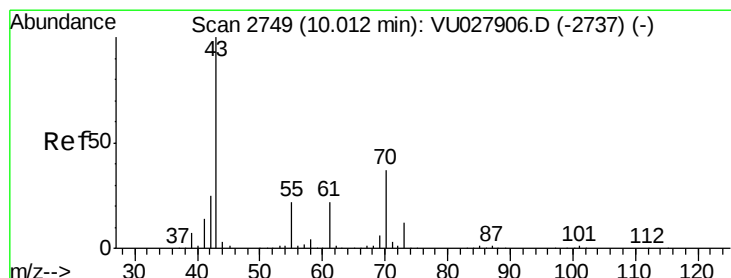
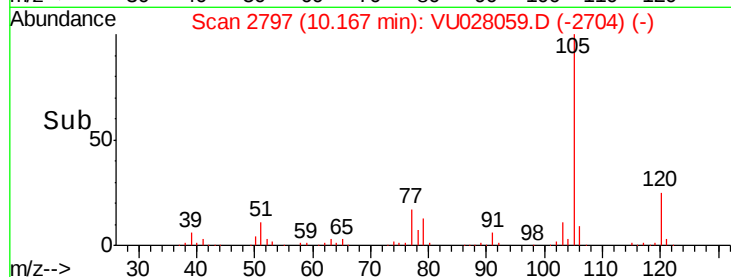
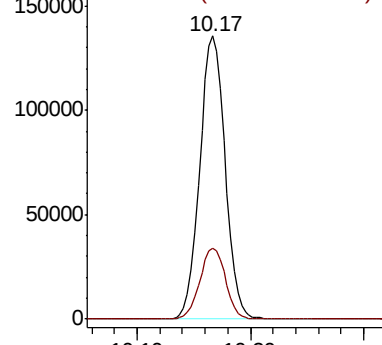
105 100

120 25.4 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: 22.981 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Tgt Ion: 43 Resp: 132629

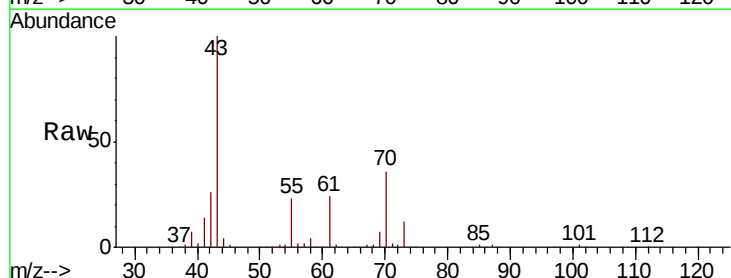
Ion Ratio Lower Upper

43 100

70 35.6 29.2 43.8

55 22.2 17.8 26.6

61 22.6 17.8 26.8

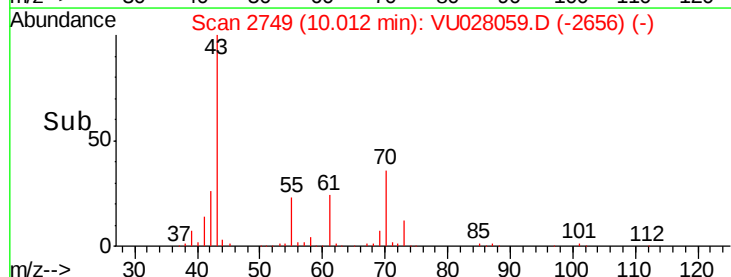
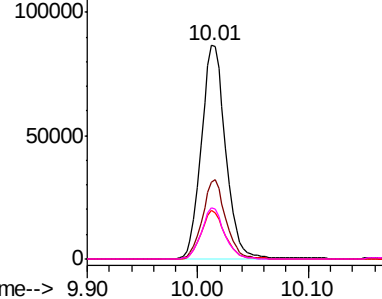


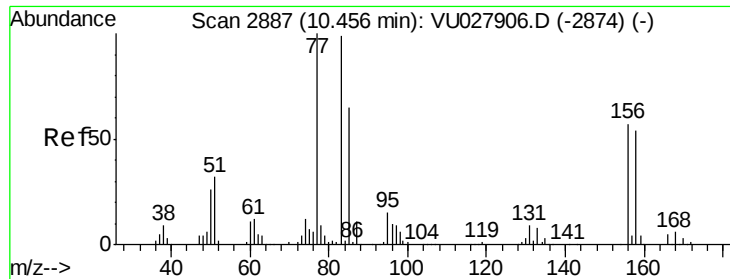
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 22.232 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBSD01

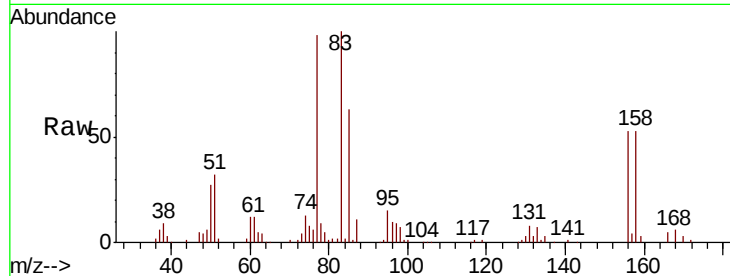
Tot Ion: 83 Resp: 85587

Ion Ratio Lower Upper

83 100

131 8.4 4.3 13.1

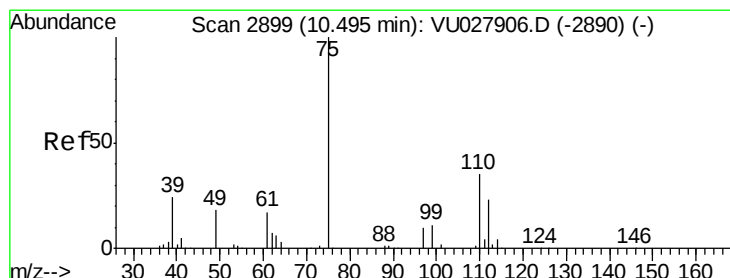
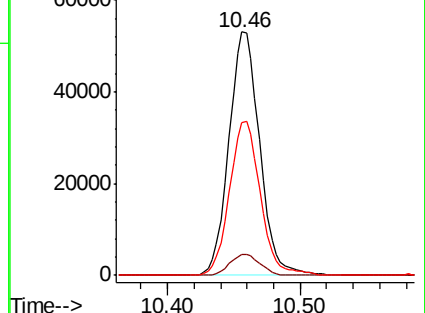
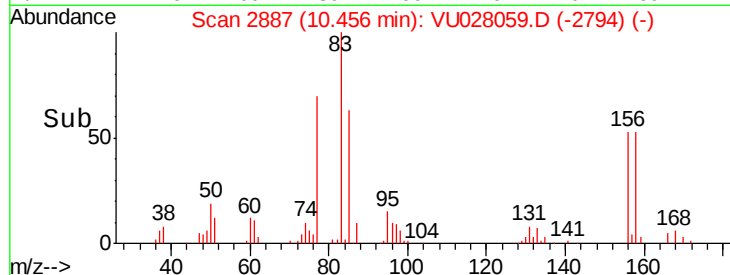
85 63.4 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VU028059.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU028059.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU028059.D (-2794) (-)



#76

1,2,3-Trichloropropane

Concen: 30.047 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU028059.D

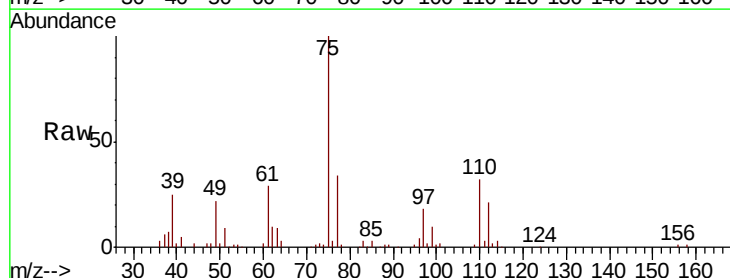
Acq: 12 Nov 2018 12:56

Tgt Ion: 75 Resp: 101254

Ion Ratio Lower Upper

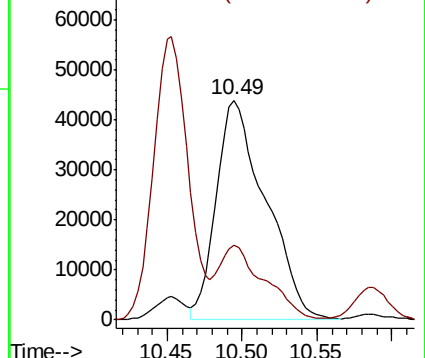
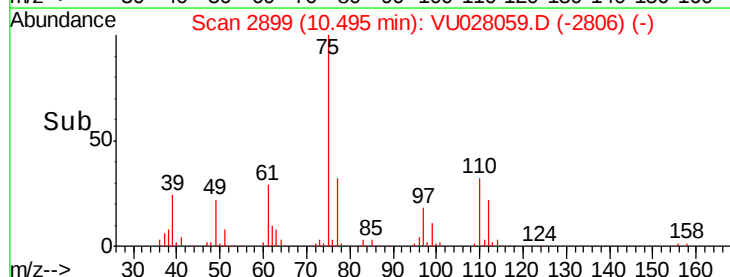
75 100

77 31.5 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VU028059.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU028059.D (-2806) (-)





#77

Bromobenzene

Concen: 22.376 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBSD01

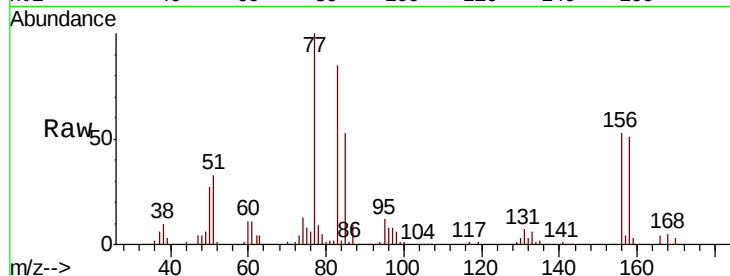
Tot Ion:156 Resp: 48970

Ion Ratio Lower Upper

156 100

77 186.2 91.8 275.6

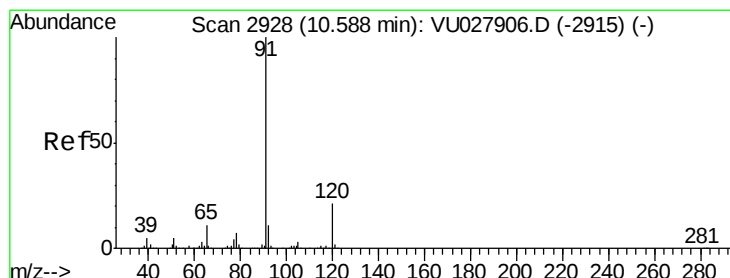
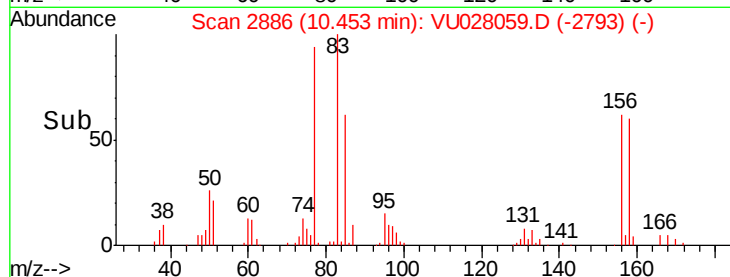
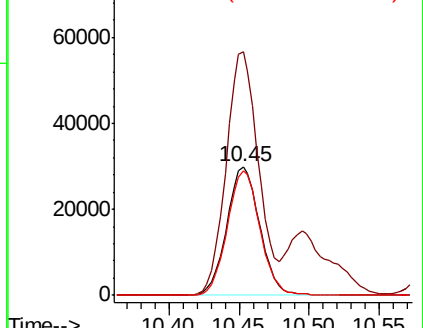
158 95.8 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.858 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU028059.D

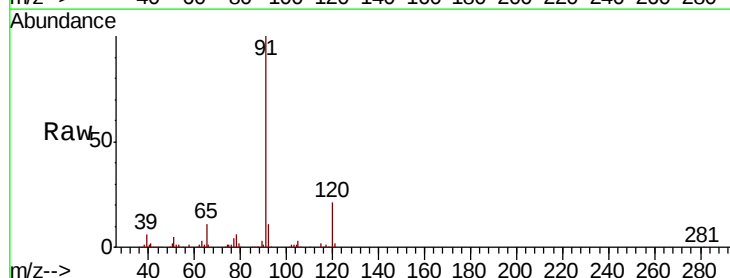
Acq: 12 Nov 2018 12:56

Tgt Ion: 91 Resp: 249711

Ion Ratio Lower Upper

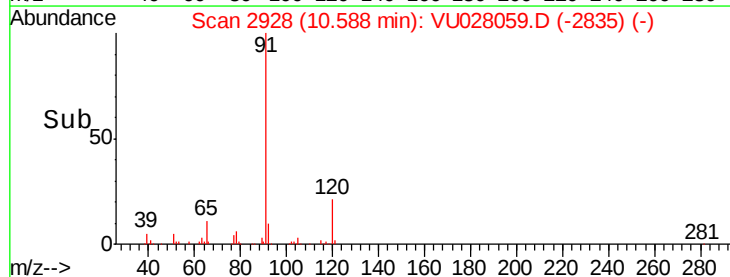
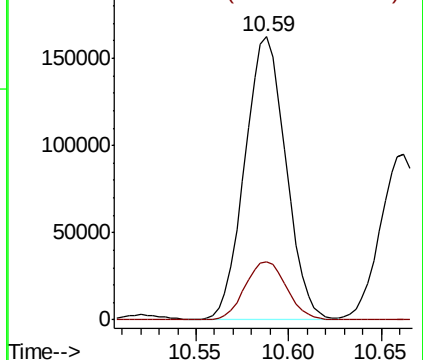
91 100

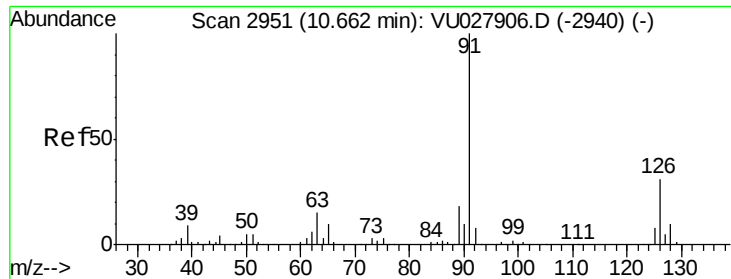
120 20.9 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

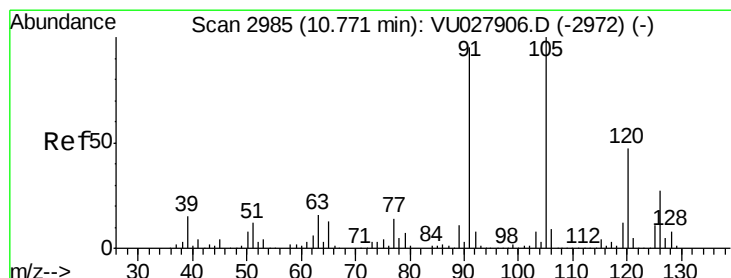
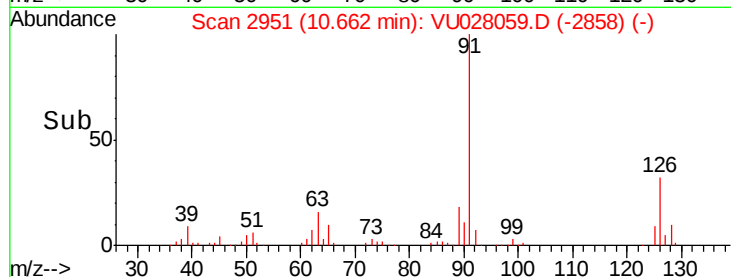
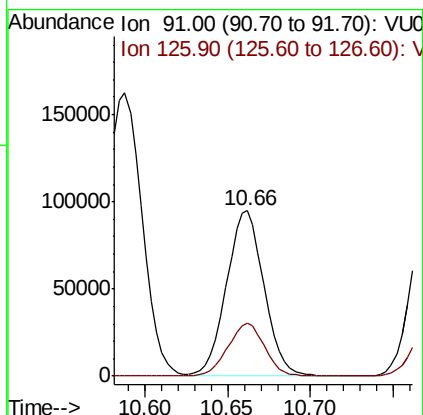
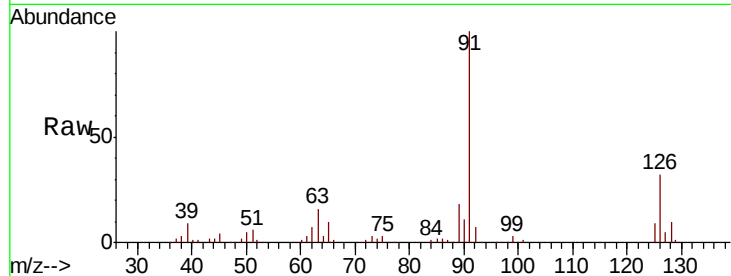




#79
 2-Chlorotoluene
 Concen: 21.589 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU028059.D
 Acq: 12 Nov 2018 12:56

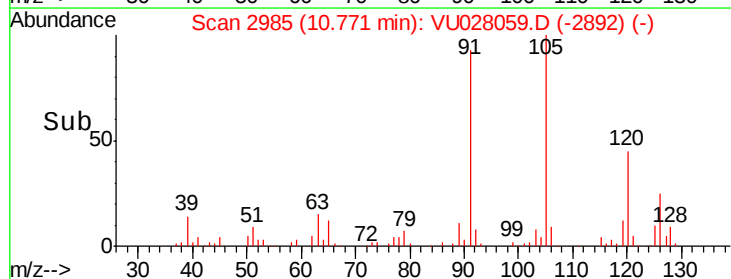
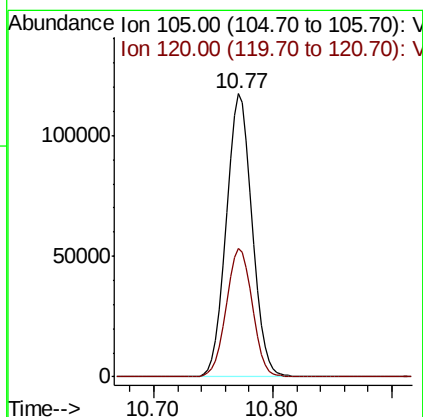
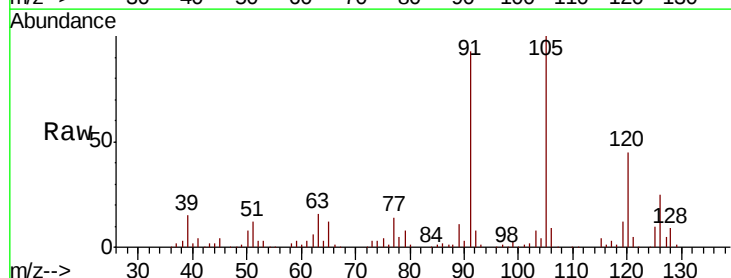
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBSD01

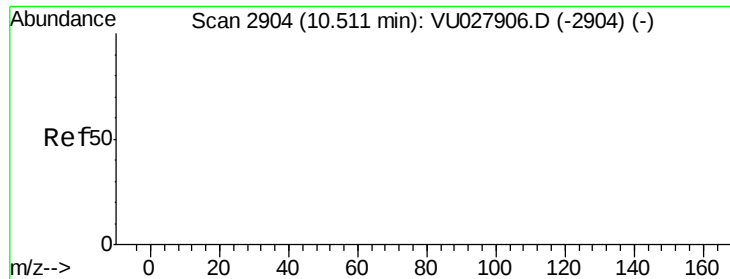
Tot Ion: 91 Resp: 147838
 Ion Ratio Lower Upper
 91 100
 126 31.6 16.0 47.9



#80
 1,3,5-Trimethylbenzene
 Concen: 22.300 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028059.D
 Acq: 12 Nov 2018 12:56

Tgt Ion: 105 Resp: 176308
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 74.890 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBSD01

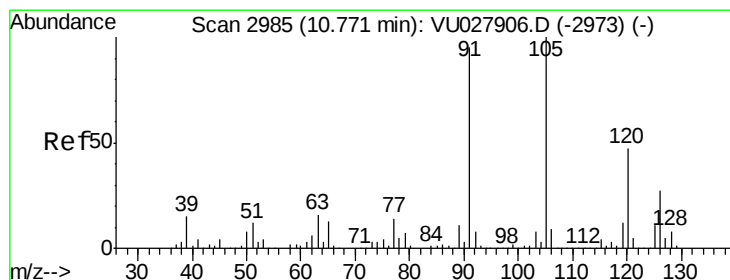
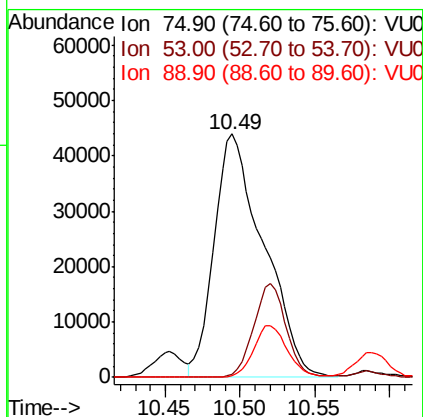
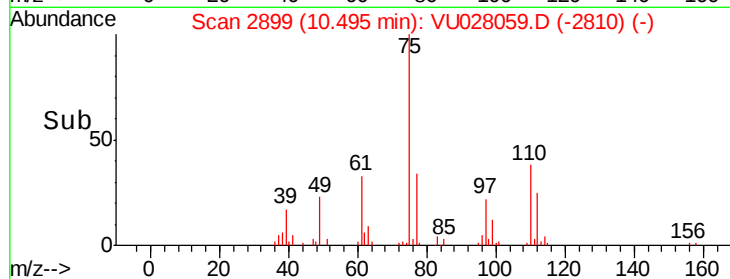
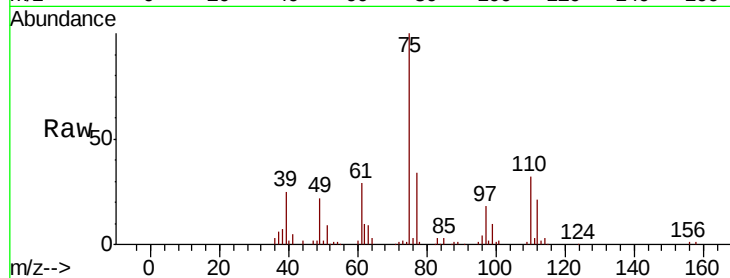
Tot Ion: 75 Resp: 101254

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 21.389 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028059.D

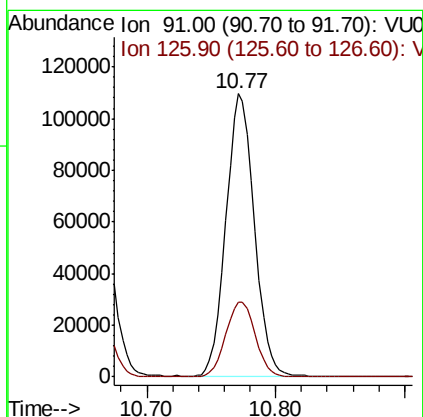
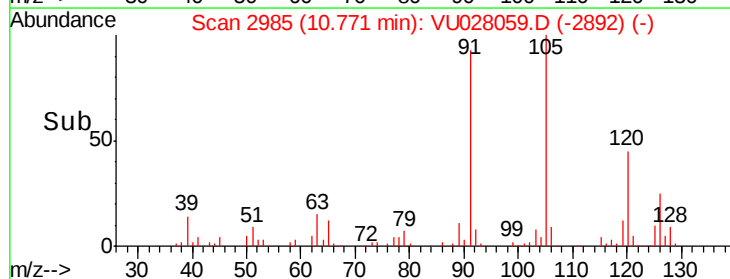
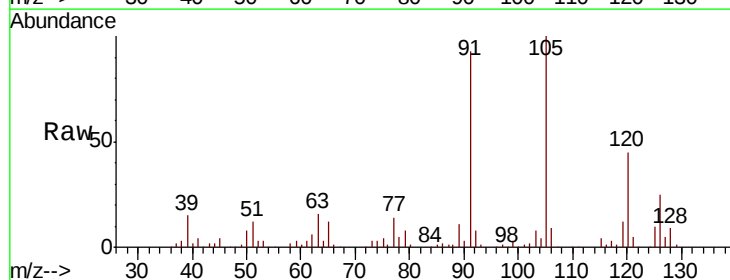
Acq: 12 Nov 2018 12:56

Tgt Ion: 91 Resp: 166282

Ion Ratio Lower Upper

91 100

126 27.7 14.2 42.6

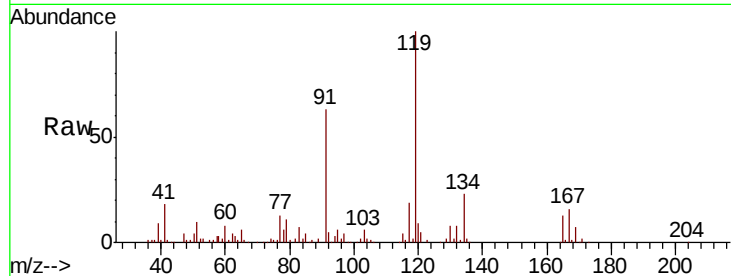




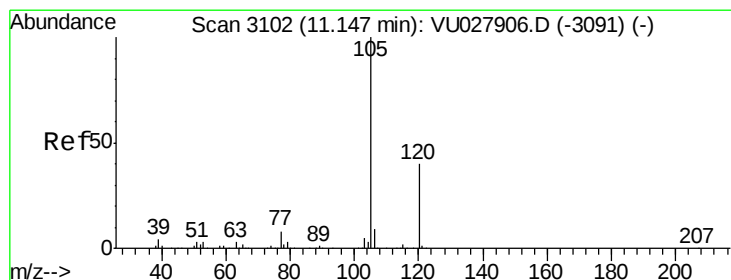
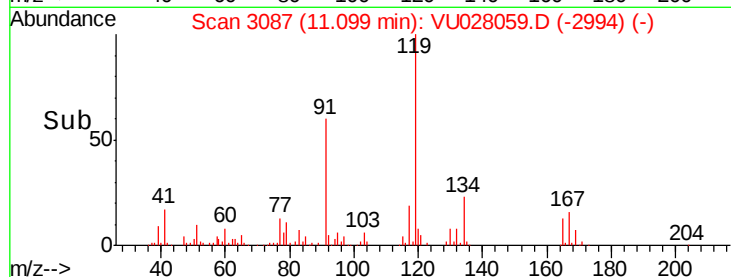
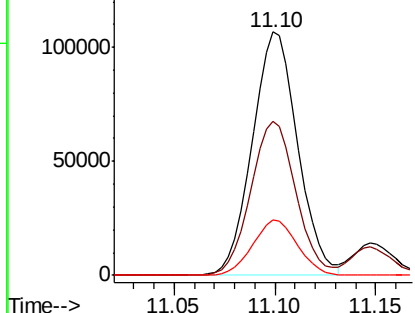
#83
tert-Butylbenzene
Concen: 21.239 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028059.D
Acq: 12 Nov 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBSD01

Tot Ion:119 Resp: 167868
Ion Ratio Lower Upper
119 100
91 62.7 29.8 89.3
134 22.5 11.1 33.1

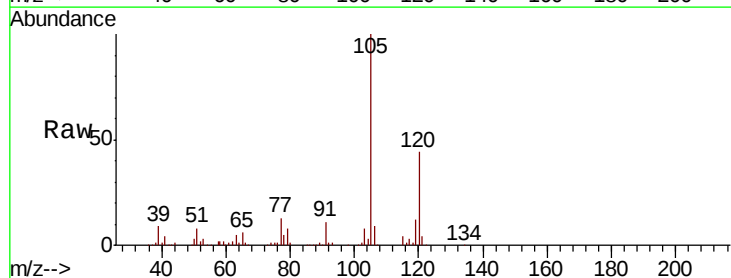


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

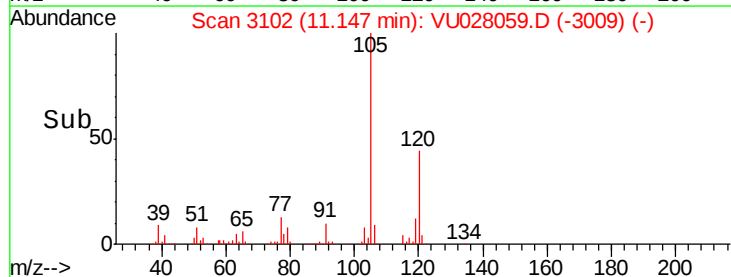
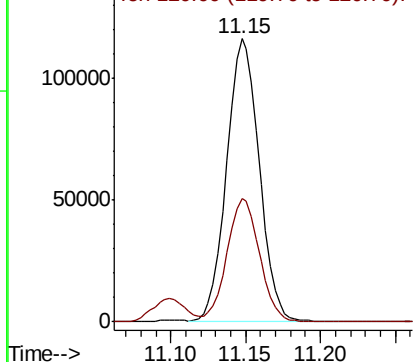


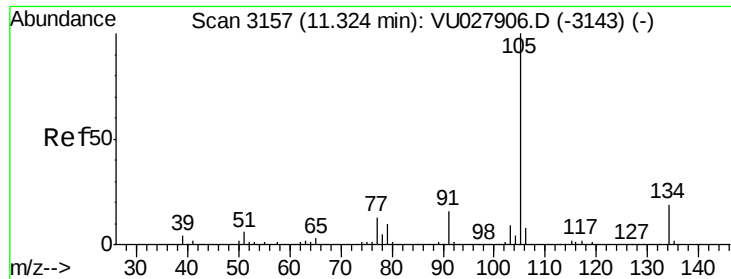
#84
1,2,4-Trimethylbenzene
Concen: 22.105 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028059.D
Acq: 12 Nov 2018 12:56

Tgt Ion:105 Resp: 175983
Ion Ratio Lower Upper
105 100
120 43.8 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: 21.725 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

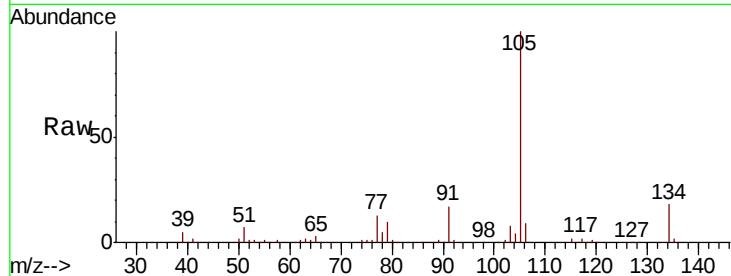
VU1112WBSD01

Tot Ion:105 Resp: 208828

Ion Ratio Lower Upper

105 100

134 18.4 9.2 27.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

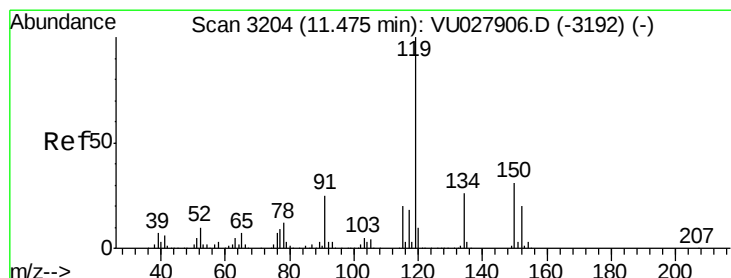
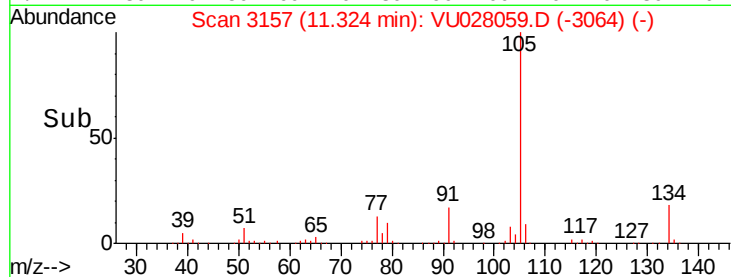
150000

100000

50000

0

Time--> 11.25 11.30 11.35 11.40



#86

p-Isopropyltoluene

Concen: 21.495 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

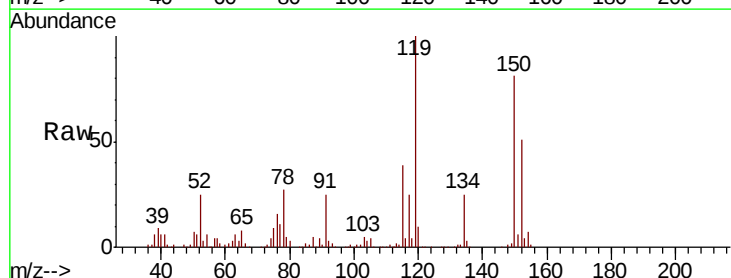
Tgt Ion:119 Resp: 172730

Ion Ratio Lower Upper

119 100

134 25.3 12.9 38.7

91 25.5 12.4 37.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.48

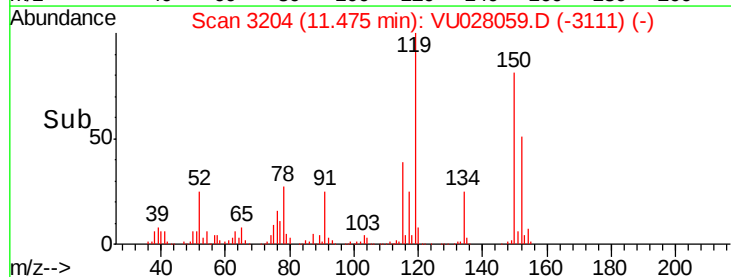
150000

100000

50000

0

Time--> 11.40 11.45 11.50 11.55





#87

1,3-Dichlorobenzene

Concen: 21.318 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBSD01

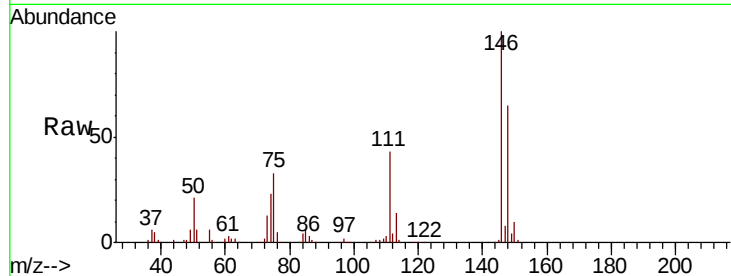
Tot Ion:146 Resp: 86181

Ion Ratio Lower Upper

146 100

111 41.7 20.3 61.0

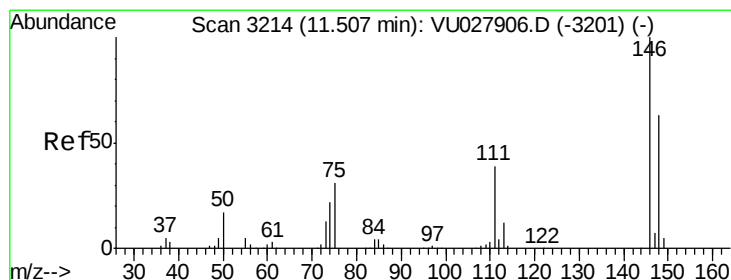
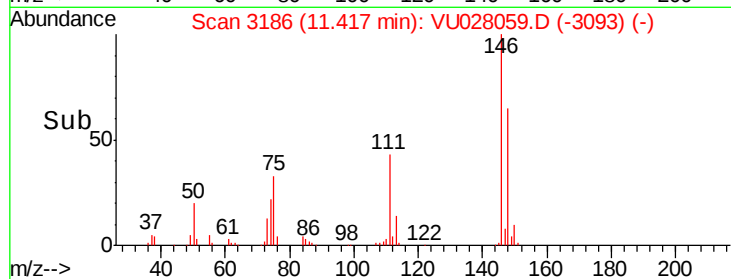
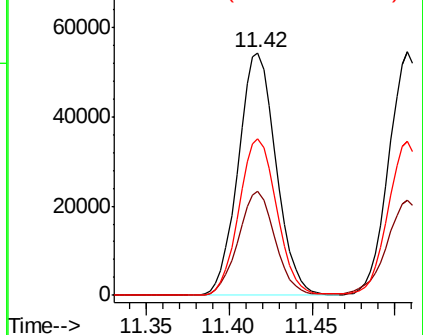
148 64.7 31.8 95.4



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: 20.729 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

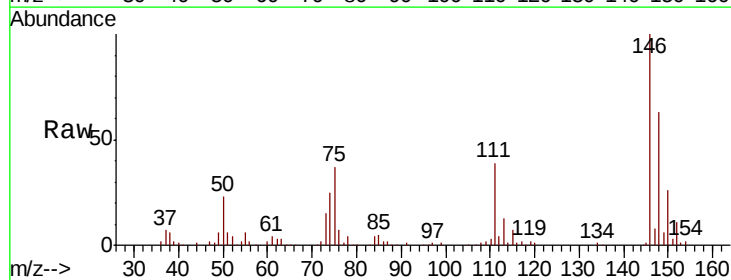
Tgt Ion:146 Resp: 85894

Ion Ratio Lower Upper

146 100

111 40.7 20.3 60.9

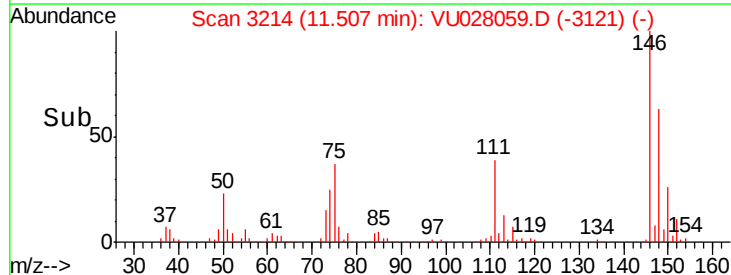
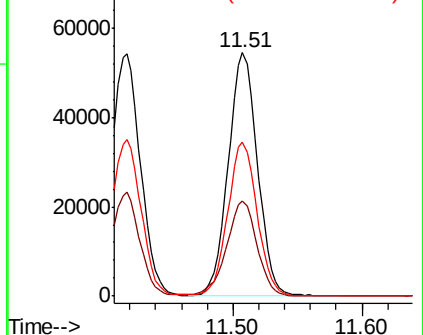
148 62.9 32.0 96.2

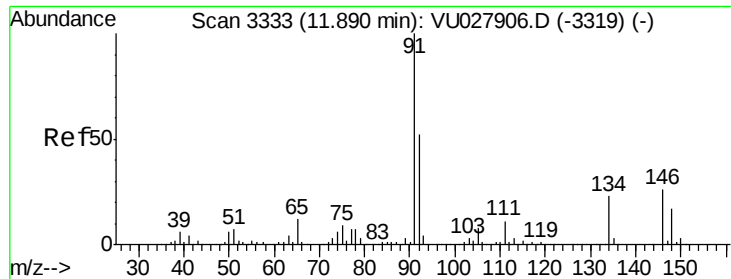


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

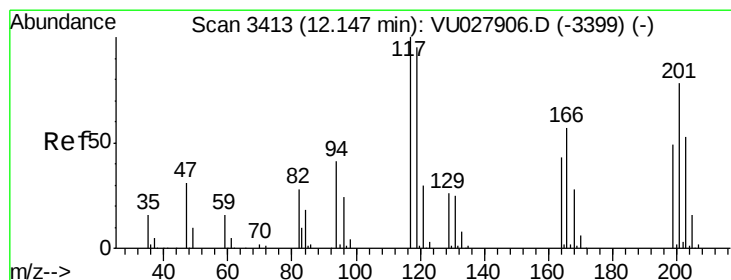
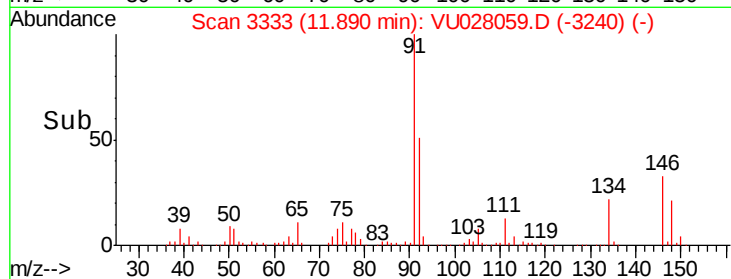
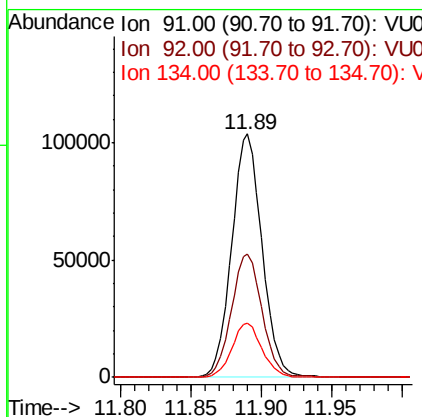
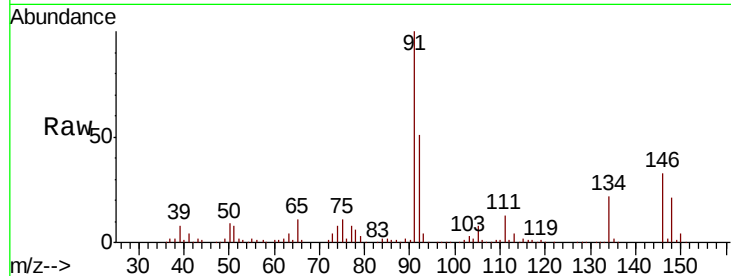




#89
n-Butylbenzene
Concen: 20.443 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU028059.D
Acq: 12 Nov 2018 12:56

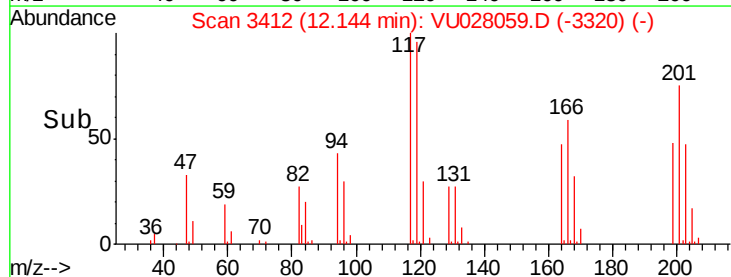
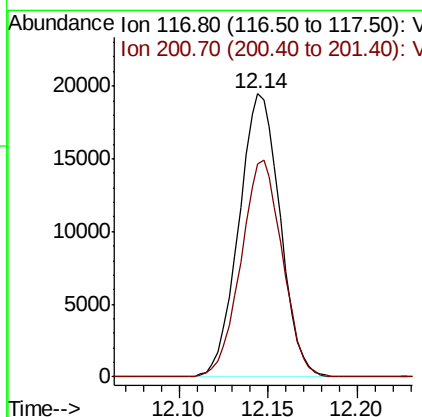
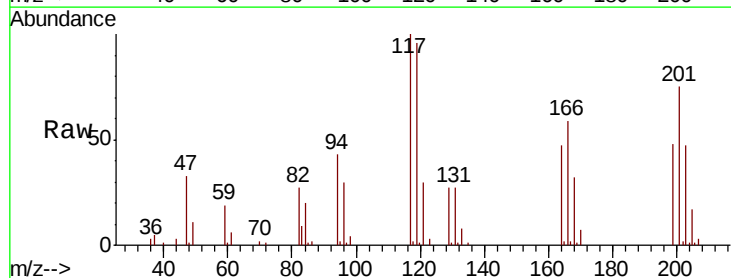
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBSD01

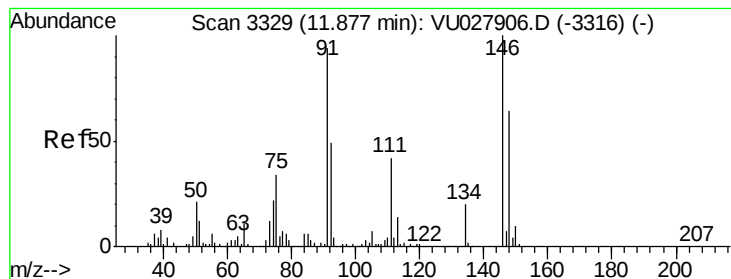
Tot Ion: 91 Resp: 156120
Ion Ratio Lower Upper
91 100
92 51.2 26.2 78.5
134 22.0 11.5 34.5



#90
Hexachloroethane
Concen: 21.951 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028059.D
Acq: 12 Nov 2018 12:56

Tgt Ion: 117 Resp: 31405
Ion Ratio Lower Upper
117 100
201 76.9 38.5 115.5





#91

1,2-Dichlorobenzene

Concen: 21.857 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBSD01

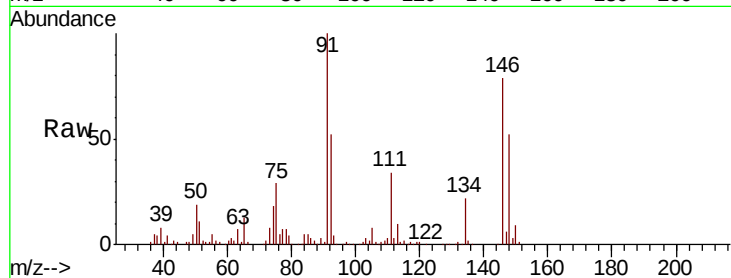
Tot Ion:146 Resp: 88860

Ion Ratio Lower Upper

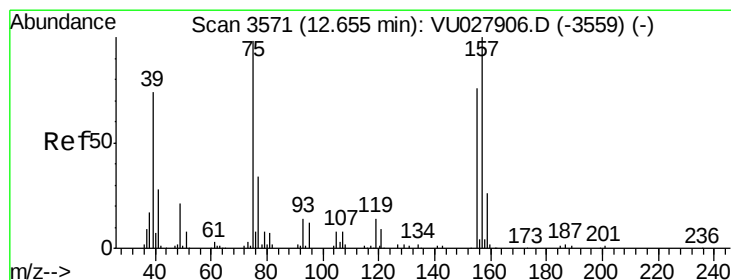
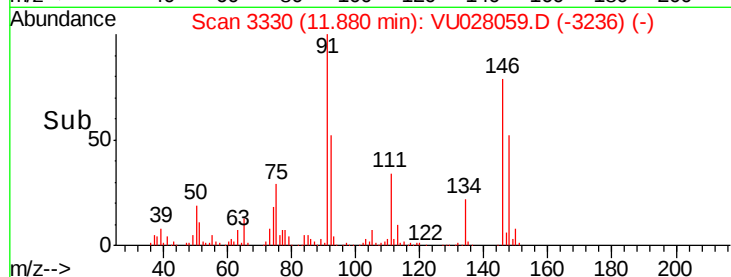
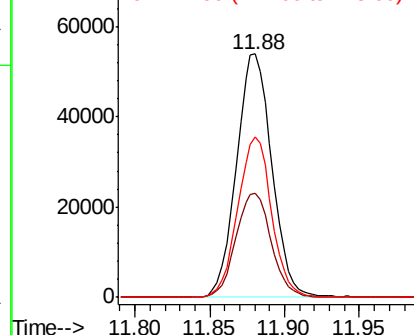
146 100

111 42.8 21.3 64.0

148 62.8 31.8 95.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.711 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU028059.D

Acq: 12 Nov 2018 12:56

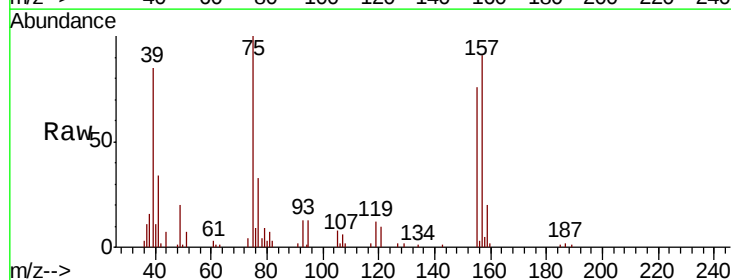
Tgt Ion: 75 Resp: 18423

Ion Ratio Lower Upper

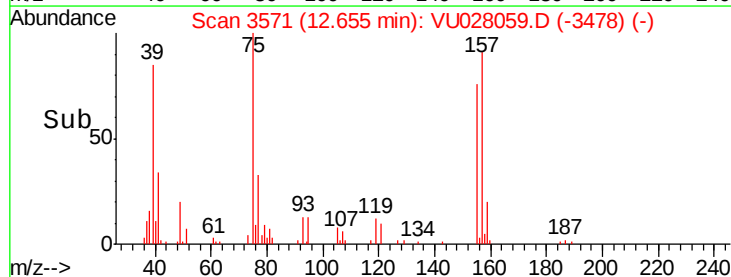
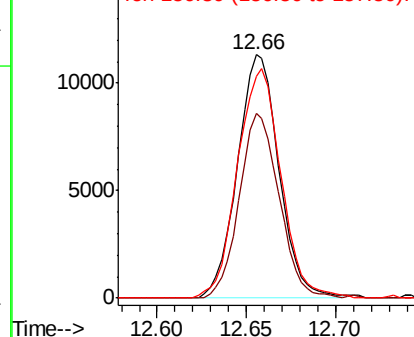
75 100

155 72.7 39.8 119.3

157 98.7 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

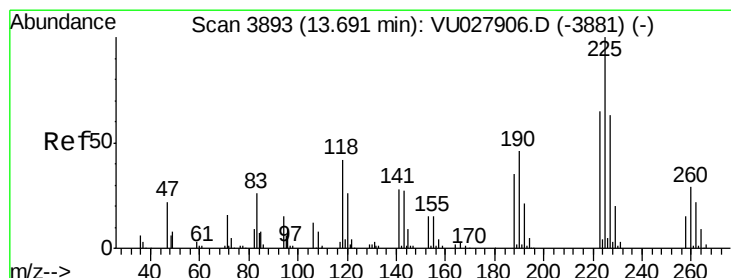
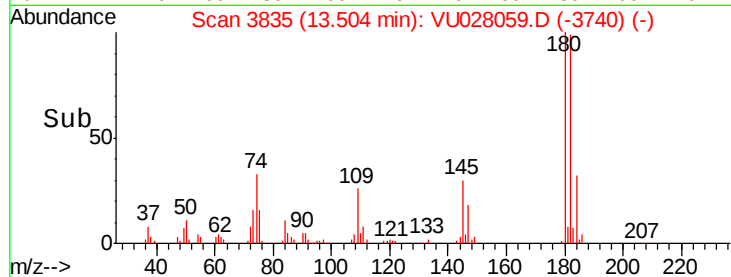
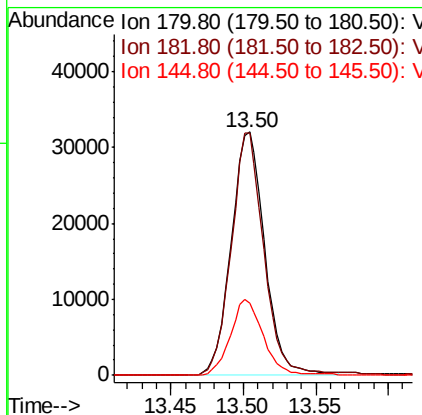
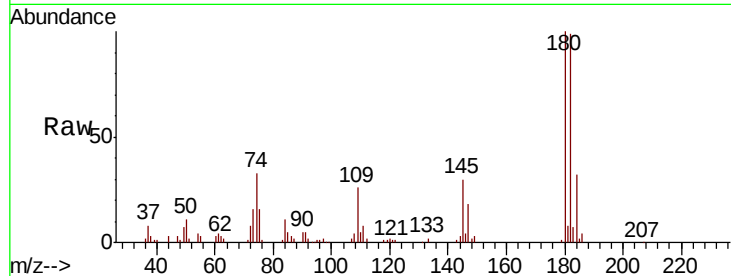




#93
 1,2,4-Trichlorobenzene
 Concen: 18.441 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028059.D
 Acq: 12 Nov 2018 12:56

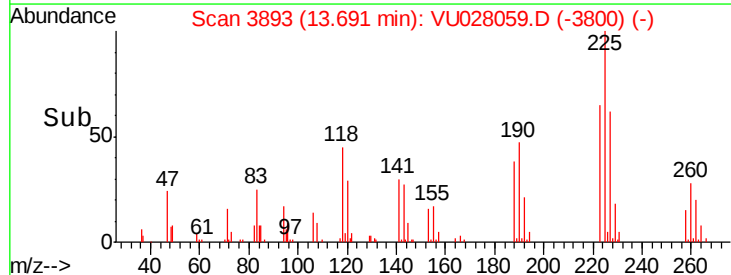
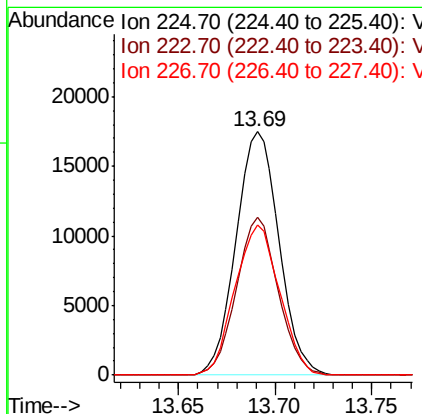
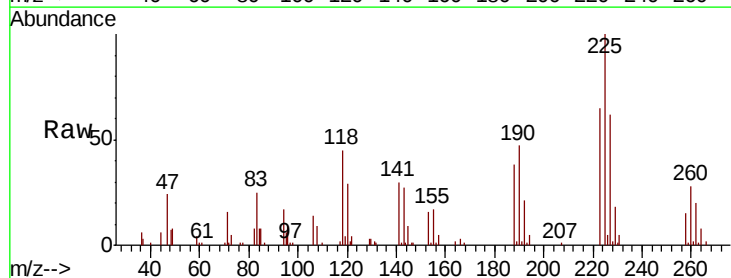
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBSD01

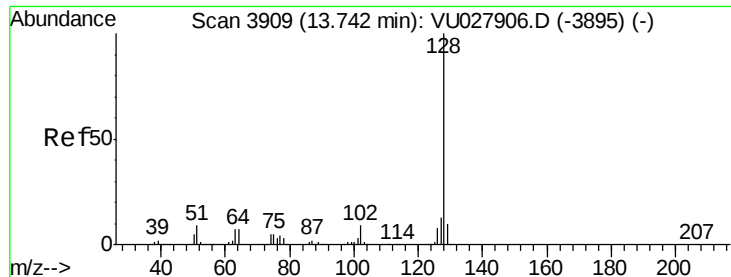
Tot Ion:180 Resp: 51329
 Ion Ratio Lower Upper
 180 100
 182 97.5 48.4 145.2
 145 30.2 14.9 44.5



#94
 Hexachlorobutadiene
 Concen: 20.943 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028059.D
 Acq: 12 Nov 2018 12:56

Tgt Ion:225 Resp: 27061
 Ion Ratio Lower Upper
 225 100
 223 62.6 32.2 96.6
 227 63.5 32.5 97.4

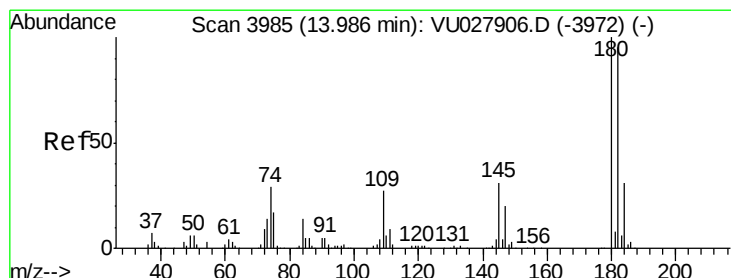
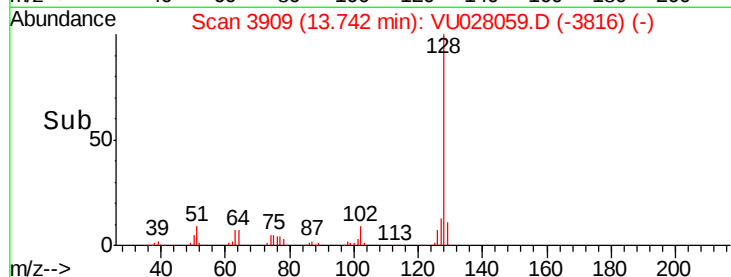
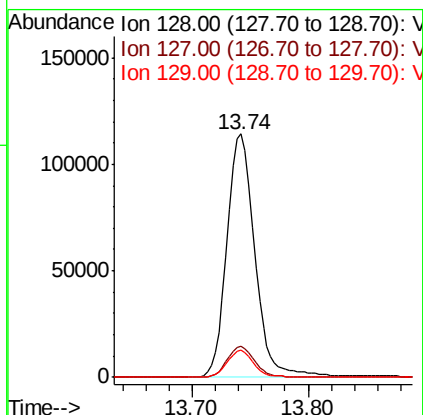
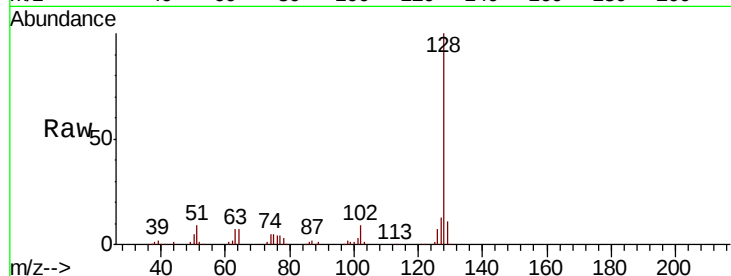




#95
Naphthalene
Concen: 18.729 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028059.D
Acq: 12 Nov 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBSD01

Tot Ion:128 Resp: 190415
Ion Ratio Lower Upper
128 100
127 12.5 10.4 15.6
129 10.3 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 19.882 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028059.D
Acq: 12 Nov 2018 12:56

Tgt Ion:180 Resp: 54238
Ion Ratio Lower Upper
180 100
182 98.1 47.4 142.3
145 32.3 16.0 47.9

