

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121318\
 Data File : VU028610.D
 Acq On : 11 Dec 2018 16:25
 Operator : MD/SY
 Sample : VU1213WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBS01

Quant Time: Dec 12 04:10:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	79781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	138396	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	127384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	58876	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	56230	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	
35) Dibromofluoromethane	4.88	113	41626	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
50) Toluene-d8	7.56	98	161078	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
62) 4-Bromofluorobenzene	10.31	95	58431	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	18951	17.722	ug/l	95
3) Chloromethane	1.33	50	33056	16.814	ug/l	99
4) Vinyl Chloride	1.40	62	24252	17.093	ug/l	100
5) Bromomethane	1.61	94	10075	17.629	ug/l	92
6) Chloroethane	1.69	64	14160	17.629	ug/l	98
7) Trichlorofluoromethane	1.88	101	25863	17.326	ug/l	94
8) Diethyl Ether	2.10	74	11480	16.438	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	14762	16.535	ug/l	97
10) Methyl Iodide	2.41	142	13878	19.812	ug/l	99
11) Tert butyl alcohol	2.83	59	25083	92.470	ug/l	98
12) 1,1-Dichloroethene	2.28	96	14814	16.677	ug/l	94
13) Acrolein	2.19	56	17171	79.406	ug/l	98
14) Allyl chloride	2.59	41	35080	16.694	ug/l	99
15) Acrylonitrile	2.94	53	66688	88.552	ug/l	99
16) Acetone	2.32	43	69540	87.529	ug/l	98
17) Carbon Disulfide	2.48	76	52210	16.316	ug/l	100
18) Methyl Acetate	2.62	43	38476	18.682	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	57728	17.144	ug/l	98
20) Methylene Chloride	2.70	84	18672	15.943	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	16883	16.881	ug/l	99
22) Diisopropyl ether	3.57	45	71350	17.460	ug/l	99
23) Vinyl Acetate	3.52	43	296530	87.974	ug/l	99
24) 1,1-Dichloroethane	3.44	63	36111	16.882	ug/l	99
25) 2-Butanone	4.26	43	96726	89.088	ug/l	99
26) 2,2-Dichloropropane	4.23	77	28951	17.081	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	19638	17.348	ug/l	99
28) Bromochloromethane	4.55	49	15843	16.292	ug/l	94
29) Tetrahydrofuran	4.64	42	62747	89.985	ug/l	98
30) Chloroform	4.67	83	33188	17.802	ug/l	97
31) Cyclohexane	5.00	56	36802	16.836	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	27021	17.451	ug/l	98
36) 1,1-Dichloropropene	5.14	75	25233	16.662	ug/l	98
37) Ethyl Acetate	4.38	43	34451	17.597	ug/l	98
38) Carbon Tetrachloride	5.13	117	21278	17.432	ug/l	99

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Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBS01

Quant Time: Dec 12 04:10:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	30279	16.388	ug/l	99
40) Benzene	5.39	78	76517	17.155	ug/l	99
41) Methacrylonitrile	4.55	41	18842	17.574	ug/l	99
42) 1,2-Dichloroethane	5.40	62	28027	17.951	ug/l	97
43) Isopropyl Acetate	5.55	43	54919	17.736	ug/l	99
44) Trichloroethene	6.19	130	17055	17.197	ug/l	100
45) 1,2-Dichloropropane	6.43	63	22238	17.729	ug/l	97
46) Dibromomethane	6.56	93	12949	17.400	ug/l	99
47) Bromodichloromethane	6.76	83	24996	17.260	ug/l	100
48) Methyl methacrylate	6.62	41	27217	17.674	ug/l	98
49) 1,4-Dioxane	6.61	88	9996	411.107	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	172980	88.570	ug/l	99
52) Toluene	7.64	92	44956	17.126	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	29265	16.968	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	32163	17.188	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	17949	17.298	ug/l	96
56) Ethyl methacrylate	8.02	69	31096	17.500	ug/l	99
57) 1,3-Dichloropropane	8.24	76	33244	17.259	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	73812	81.099	ug/l	99
59) 2-Hexanone	8.36	43	136040	87.882	ug/l	98
60) Dibromochloromethane	8.48	129	16921	16.656	ug/l	100
61) 1,2-Dibromoethane	8.58	107	19129	17.579	ug/l	99
64) Tetrachloroethene	8.23	164	14650	17.242	ug/l	96
65) Chlorobenzene	9.12	112	46655	17.188	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	15519	17.904	ug/l	99
67) Ethyl Benzene	9.25	91	84794	16.993	ug/l	98
68) m/p-Xylenes	9.37	106	62459	34.399	ug/l	99
69) o-Xylene	9.78	106	30279	17.160	ug/l	99
70) Styrene	9.79	104	48784	16.706	ug/l	99
71) Bromoform	9.96	173	12992	17.619	ug/l #	99
73) Isopropylbenzene	10.16	105	79704	17.642	ug/l	100
74) N-amyl acetate	10.01	43	46770	17.947	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	32876	18.944	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	38201	25.410	ug/l	84
77) Bromobenzene	10.45	156	19221	18.192	ug/l	99
78) n-propylbenzene	10.58	91	98836	17.606	ug/l	99
79) 2-Chlorotoluene	10.66	91	58247	18.013	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	66802	17.863	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	38201	62.343	ug/l #	100
82) 4-Chlorotoluene	10.77	91	65937	17.207	ug/l	100
83) tert-Butylbenzene	11.10	119	63250	17.547	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	68912	17.880	ug/l	100
85) sec-Butylbenzene	11.32	105	80725	17.433	ug/l	100
86) p-Isopropyltoluene	11.47	119	67143	17.069	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	33967	17.025	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	33282	16.124	ug/l	94
89) n-Butylbenzene	11.89	91	63567	15.968	ug/l	99
90) Hexachloroethane	12.14	117	10500	17.660	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	34409	17.242	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	6753	17.973	ug/l	99

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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

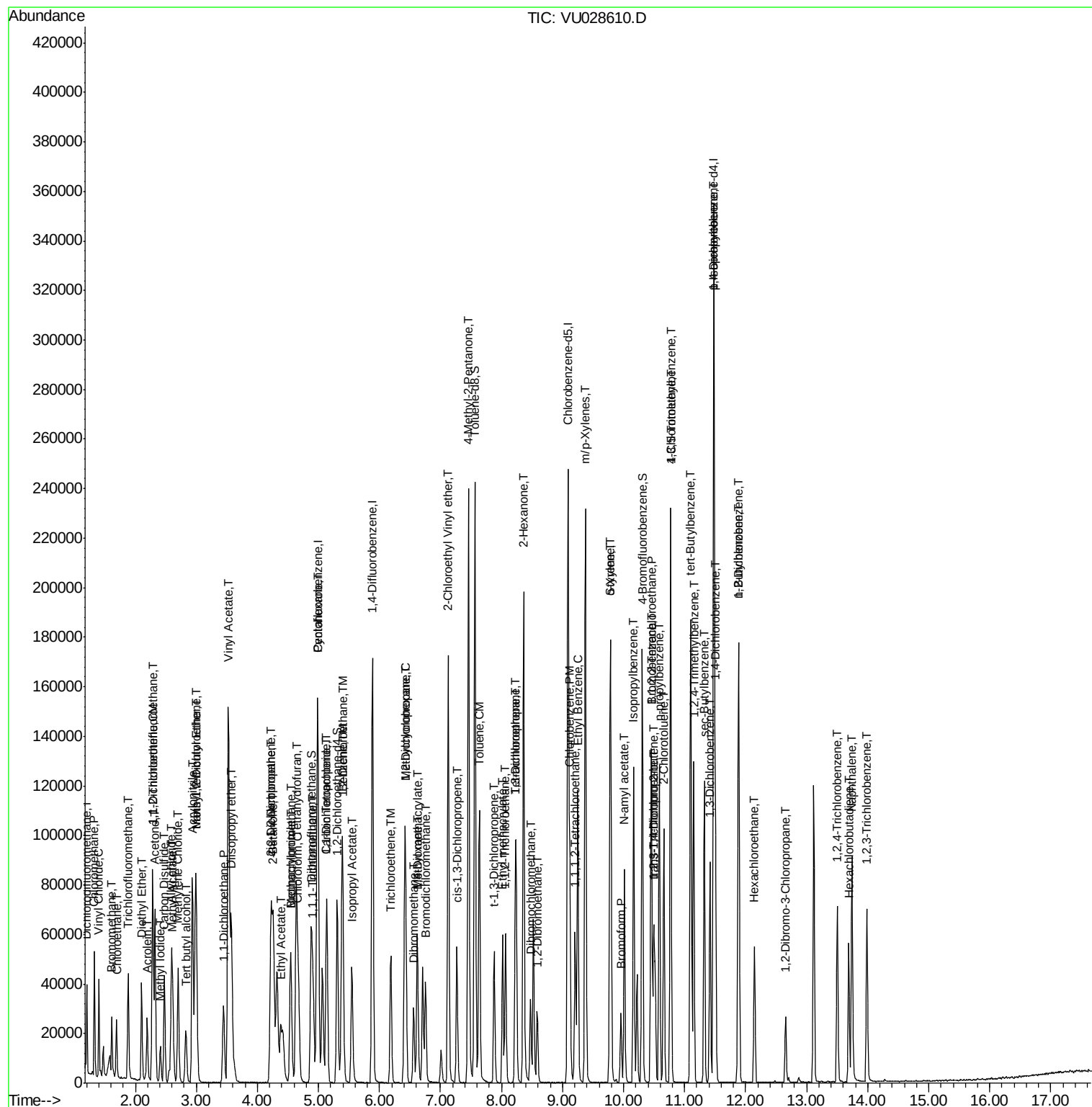
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	21812	16.481	ug/l	99
94) Hexachlorobutadiene	13.69	225	10819	16.550	ug/l	100
95) Naphthalene	13.74	128	73996	15.452	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	21606	15.931	ug/l	98

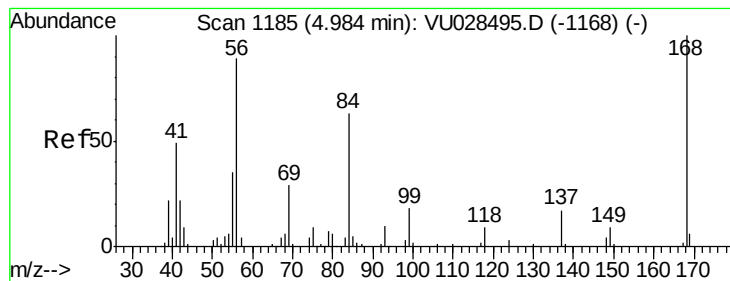
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Data File : VU028610.D
 Acq On : 11 Dec 2018 16:25
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 Sample : VU1213WBS01
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

Instrument :

MSVOA_U

ClientSampleId :

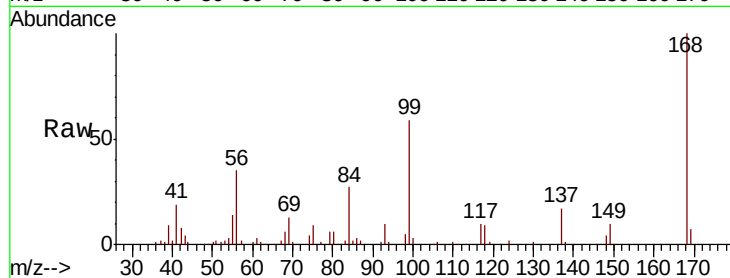
VU1213WBS01

Tot Ion:168 Resp: 79781

Ion Ratio Lower Upper

168 100

99 58.3 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

30000

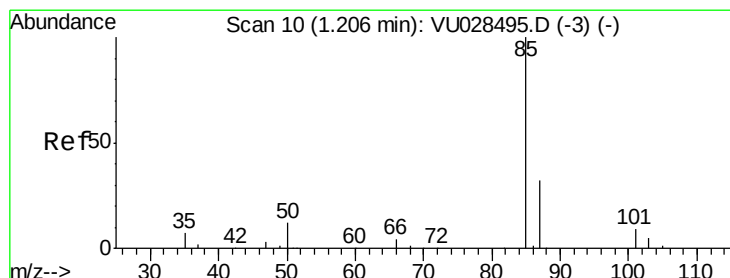
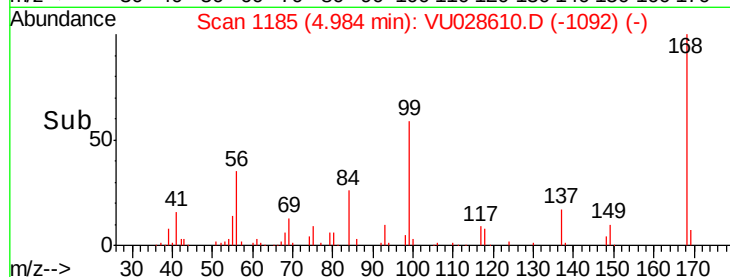
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 17.722 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028610.D

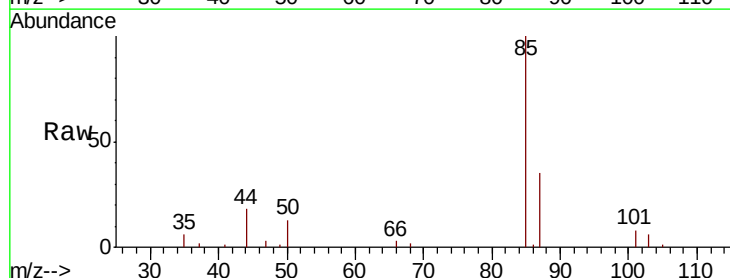
Acq: 11 Dec 2018 16:25

Tgt Ion: 85 Resp: 18951

Ion Ratio Lower Upper

85 100

87 34.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)

1.21

20000

15000

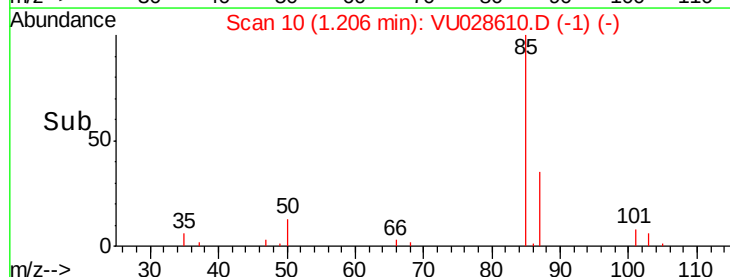
10000

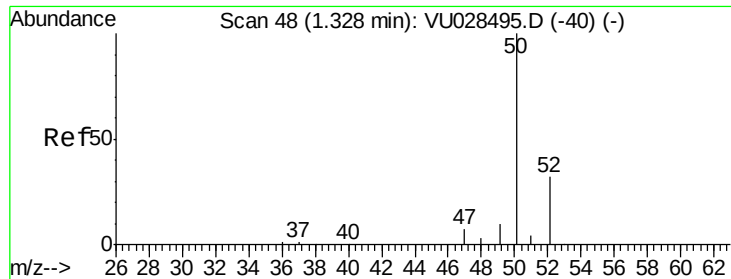
5000

0

1.20 1.21 1.22 1.23

Time-->





#3

Chloromethane

Concen: 16.814 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

Instrument :

MSVOA_U

ClientSampleId :

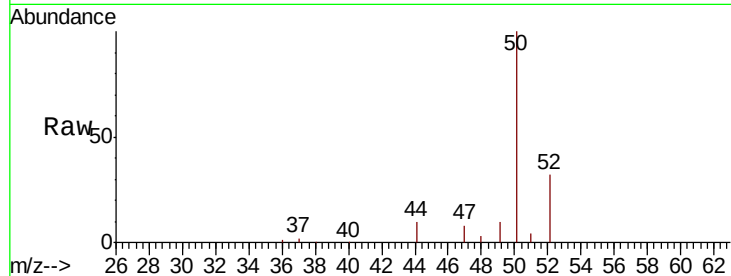
VU1213WBS01

Tot Ion: 50 Resp: 33056

Ion Ratio Lower Upper

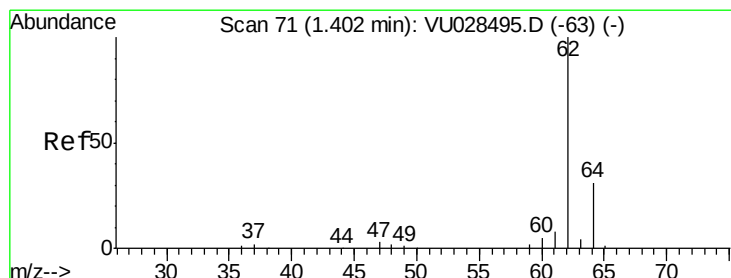
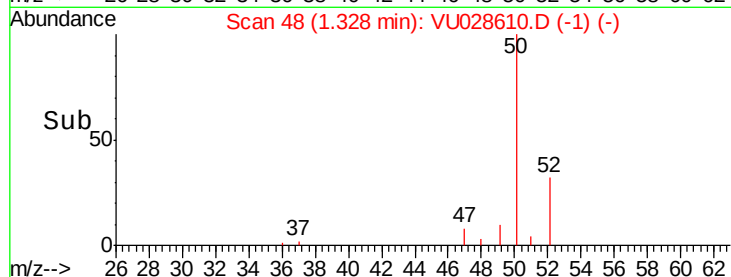
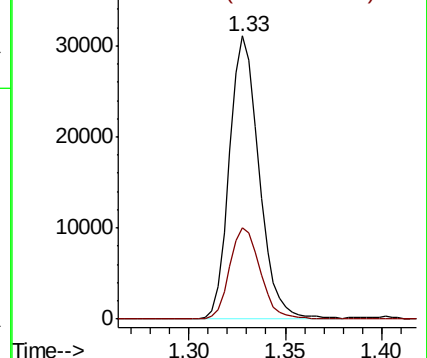
50 100

52 32.3 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 17.093 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028610.D

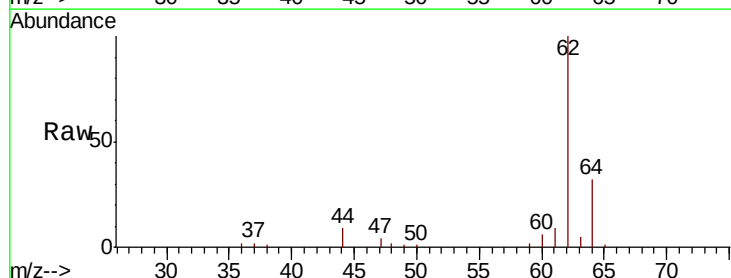
Acq: 11 Dec 2018 16:25

Tgt Ion: 62 Resp: 24252

Ion Ratio Lower Upper

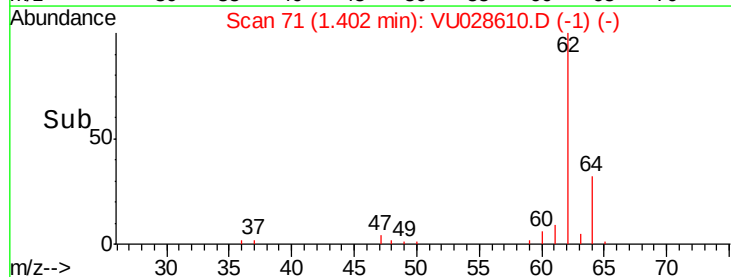
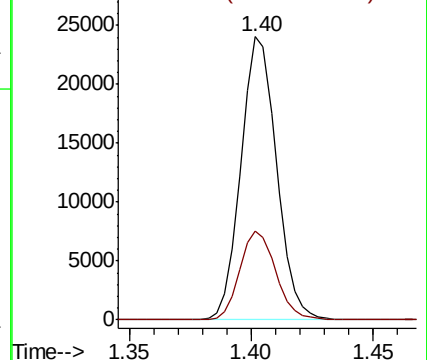
62 100

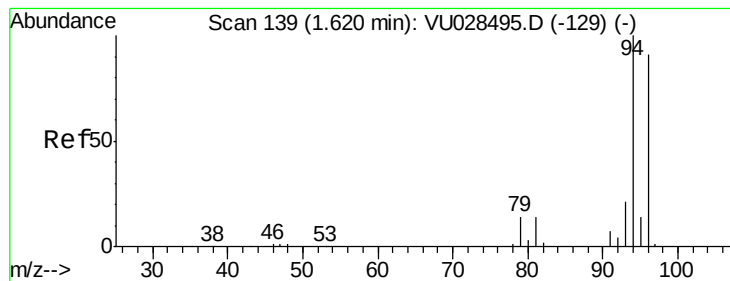
64 31.6 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 17.629 ug/l

RT: 1.61 min Scan# 137

Delta R.T. -0.01 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

Instrument :

MSVOA_U

ClientSampleId :

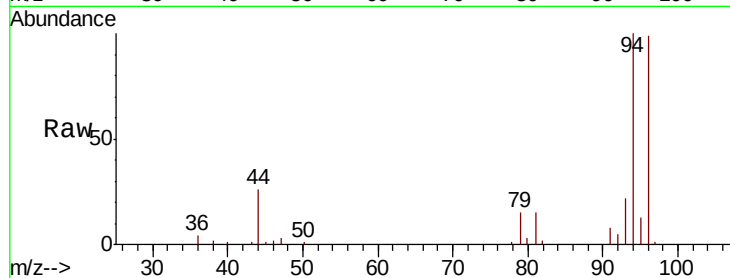
VU1213WBS01

Tot Ion: 94 Resp: 10075

Ion Ratio Lower Upper

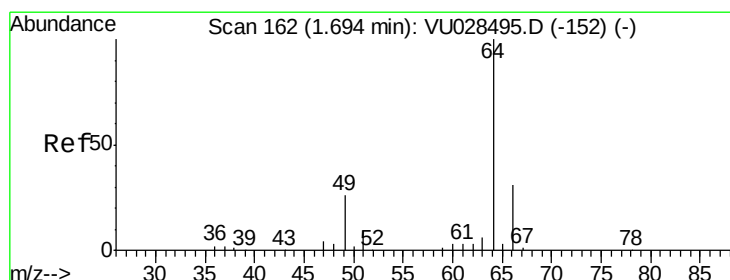
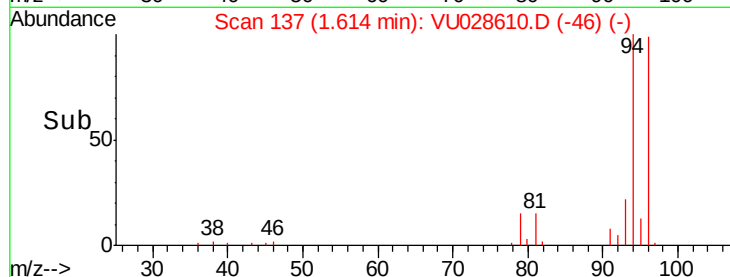
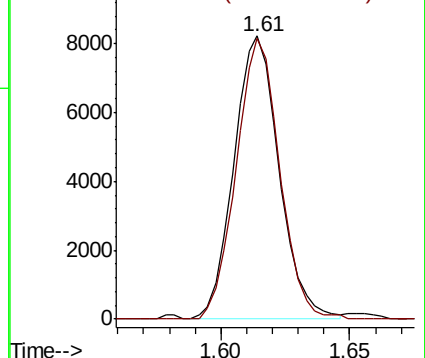
94 100

96 99.1 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 17.629 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU028610.D

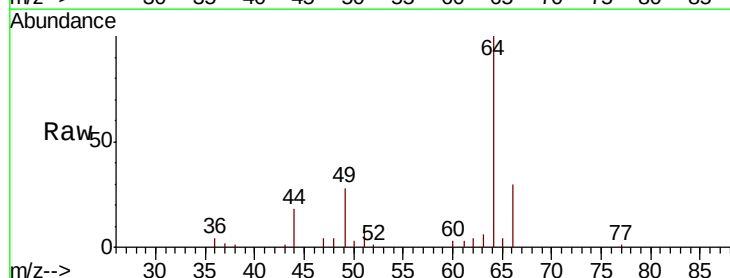
Acq: 11 Dec 2018 16:25

Tgt Ion: 64 Resp: 14160

Ion Ratio Lower Upper

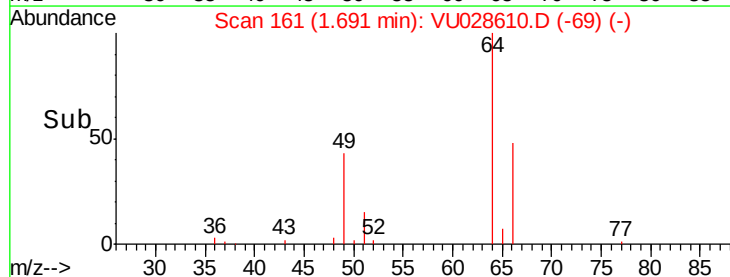
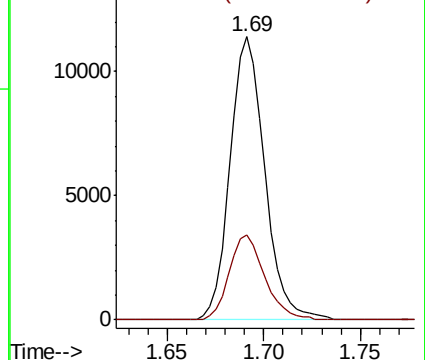
64 100

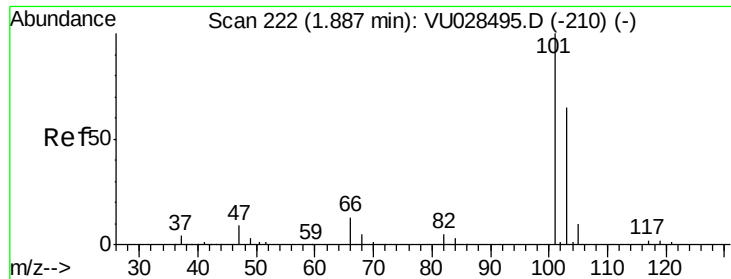
66 30.2 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



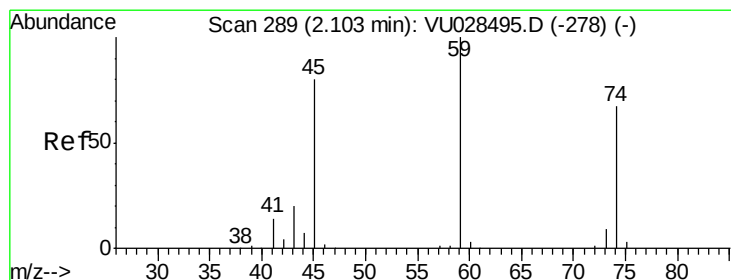
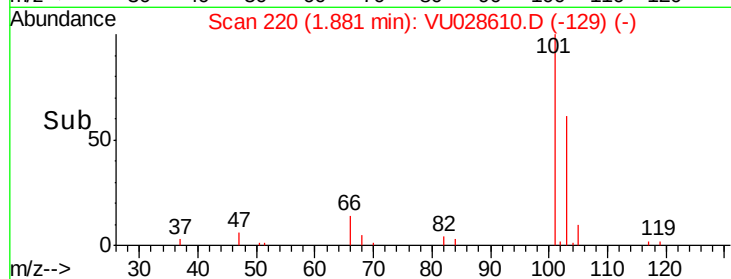
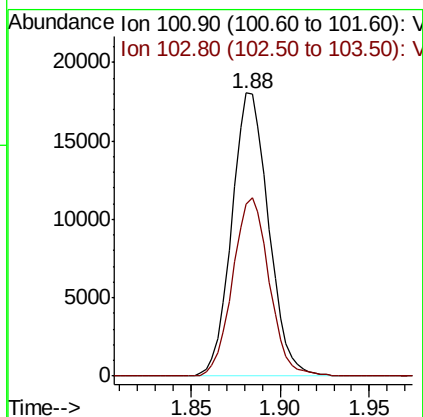
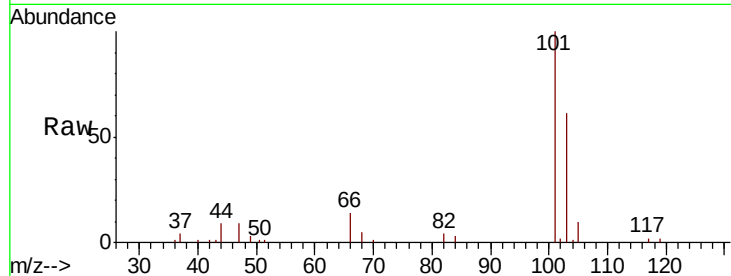


#7

Trichlorofluoromethane
Concen: 17.326 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.01 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS01

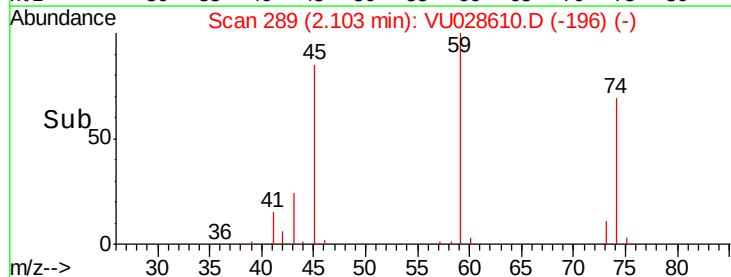
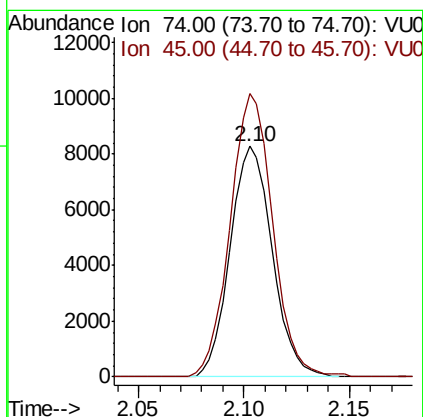
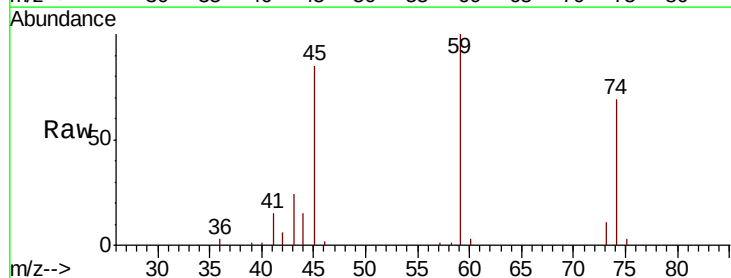
Tot Ion:101 Resp: 25863
Ion Ratio Lower Upper
101 100
103 60.8 52.3 78.5

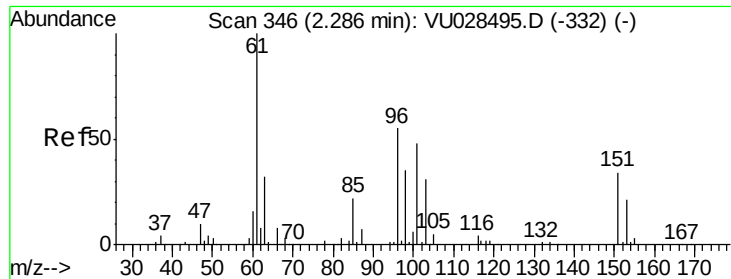


#8

Diethyl Ether
Concen: 16.438 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

Tgt Ion: 74 Resp: 11480
Ion Ratio Lower Upper
74 100
45 124.0 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.535 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

Instrument :

MSVOA_U

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VU1213WBS01

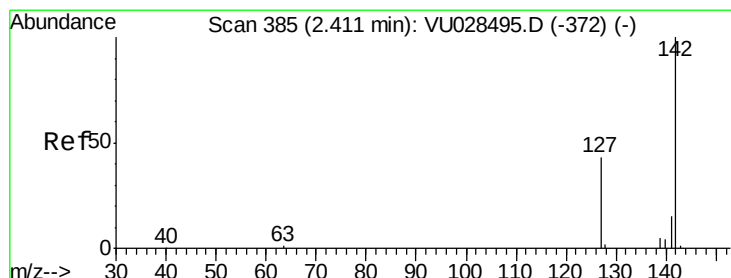
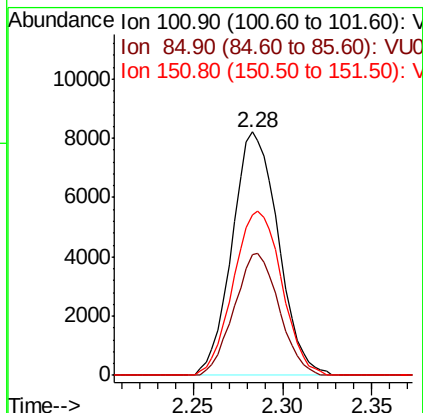
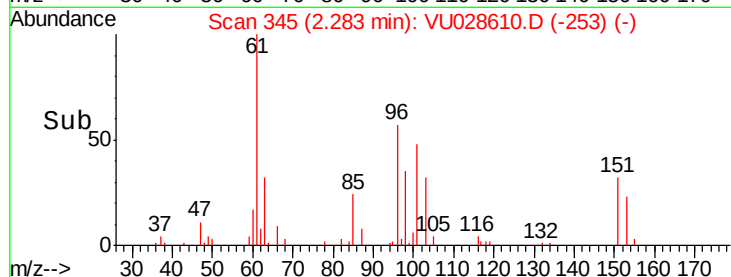
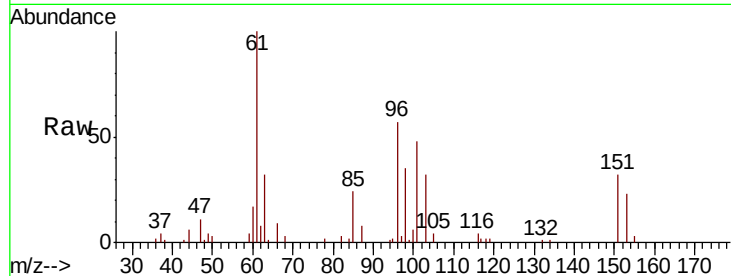
Tot Ion:101 Resp: 14762

Ion Ratio Lower Upper

101 100

85 48.6 36.4 54.6

151 70.9 58.2 87.2



#10

Methyl Iodide

Concen: 19.812 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

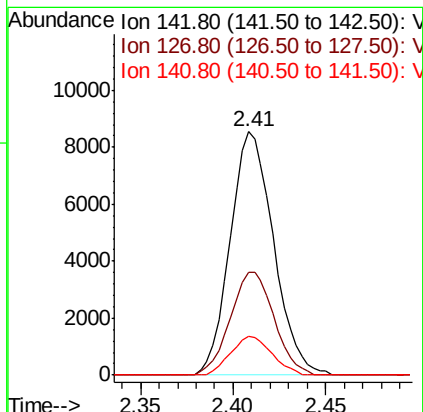
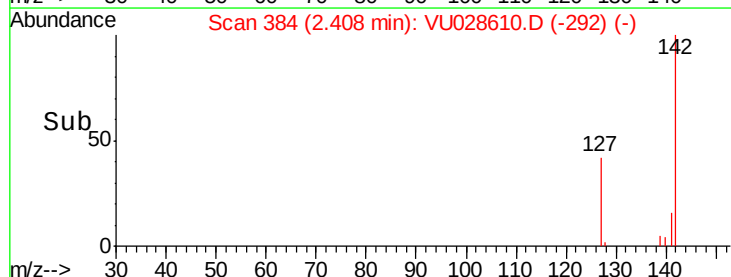
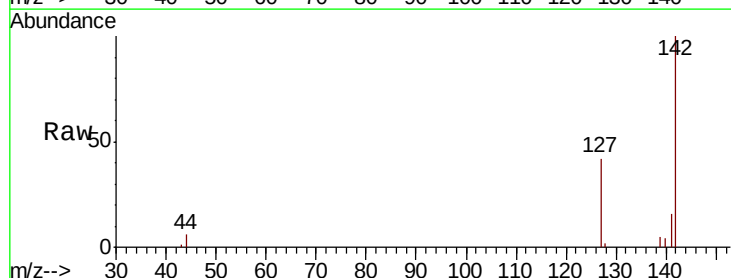
Tgt Ion:142 Resp: 13878

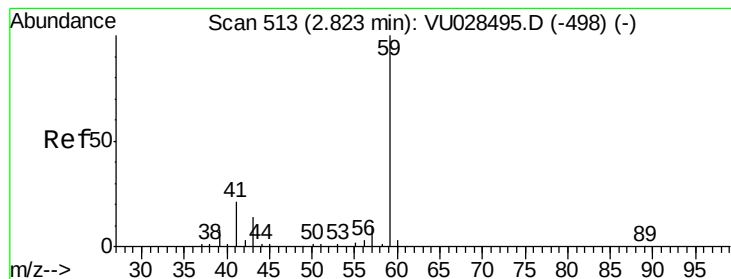
Ion Ratio Lower Upper

142 100

127 42.6 33.5 50.3

141 15.1 11.2 16.8





#11

Tert butyl alcohol

Concen: 92.470 ug/l

RT: 2.83 min Scan# 514

Delta R.T. 0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

Instrument :

MSVOA_U

ClientSampleId :

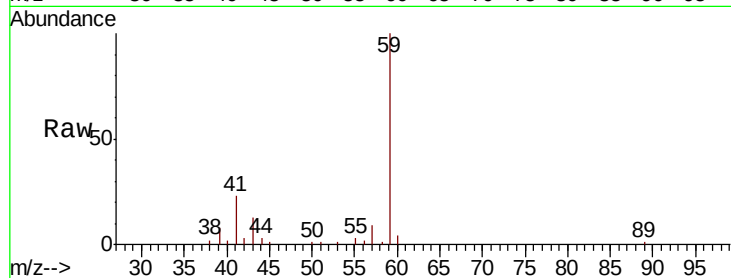
VU1213WBS01

Tot Ion: 59 Resp: 25083

Ion Ratio Lower Upper

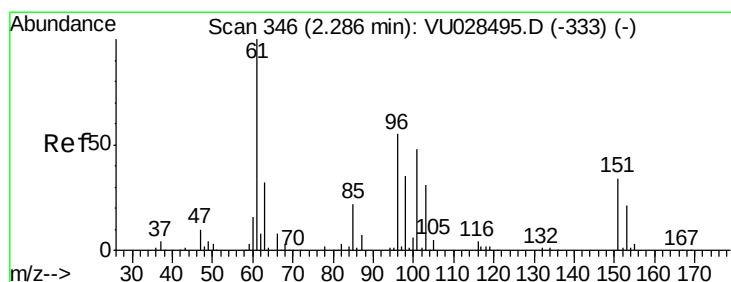
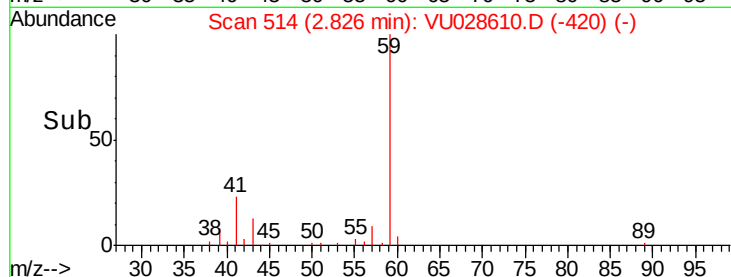
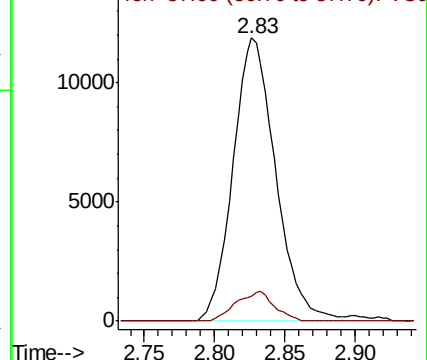
59 100

57 9.4 8.0 12.0



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#12

1,1-Dichloroethene

Concen: 16.677 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

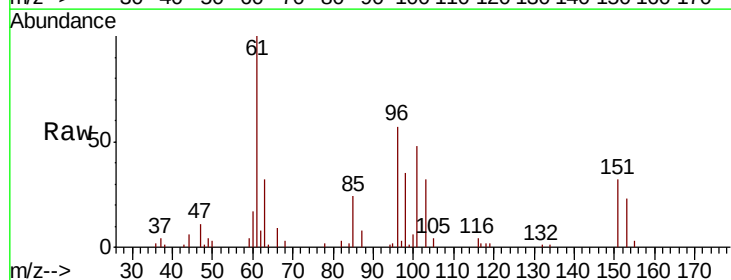
Tgt Ion: 96 Resp: 14814

Ion Ratio Lower Upper

96 100

61 175.0 146.4 219.6

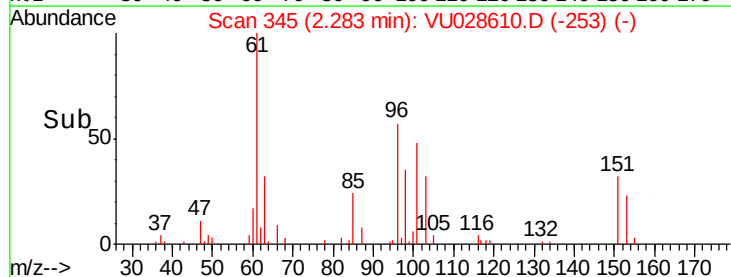
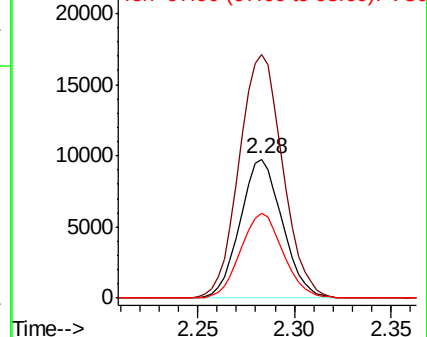
98 60.6 51.8 77.8

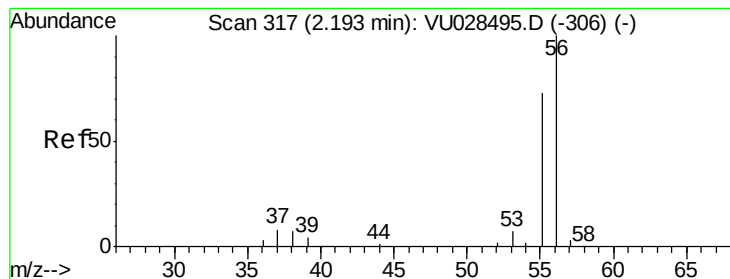


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#13

Acrolein

Concen: 79.406 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

Instrument :

MSVOA_U

ClientSampleId :

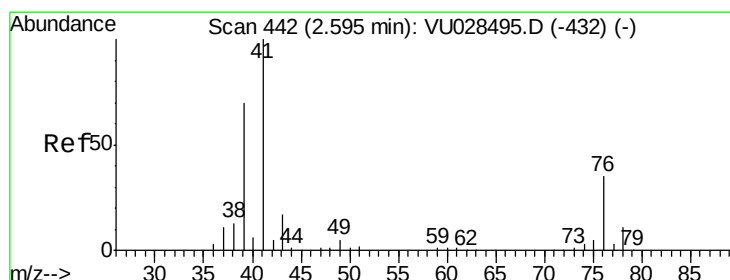
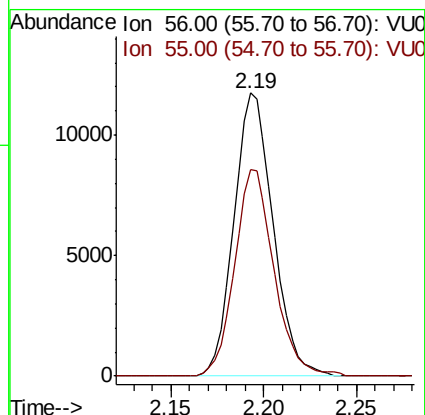
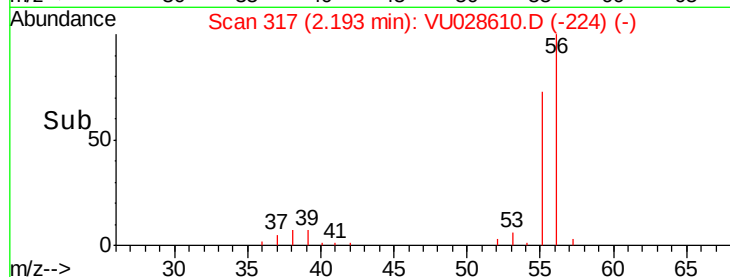
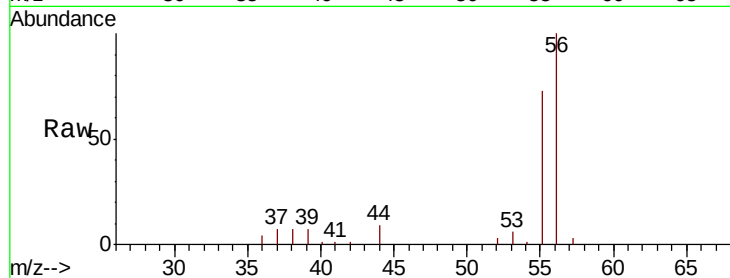
VU1213WBS01

Tot Ion: 56 Resp: 17171

Ion Ratio Lower Upper

56 100

55 73.5 57.5 86.3



#14

Allyl chloride

Concen: 16.694 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

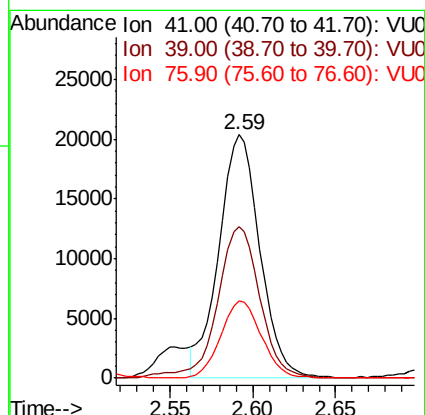
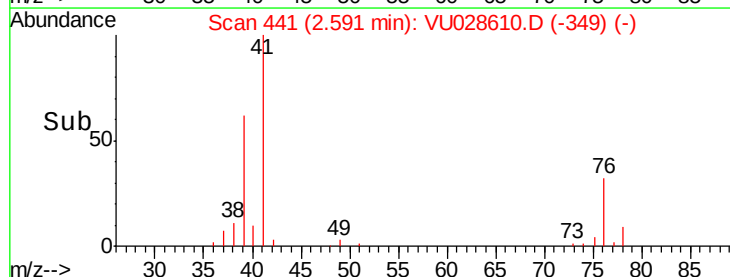
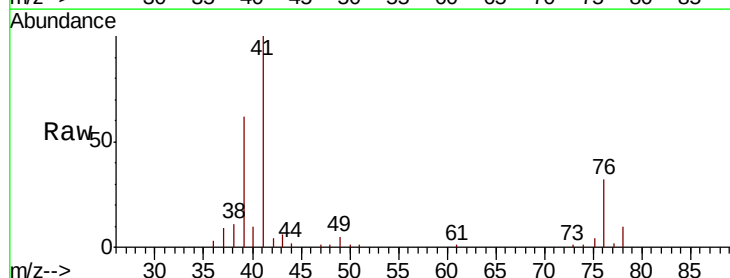
Tgt Ion: 41 Resp: 35080

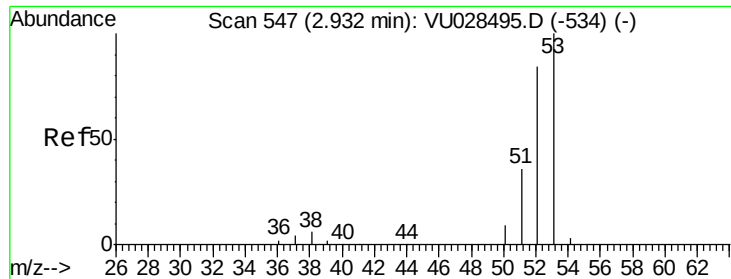
Ion Ratio Lower Upper

41 100

39 64.2 50.8 76.2

76 31.3 24.8 37.2





#15

Acrylonitrile

Concen: 88.552 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

Instrument :

MSVOA_U

ClientSampleId :

VU1213WBS01

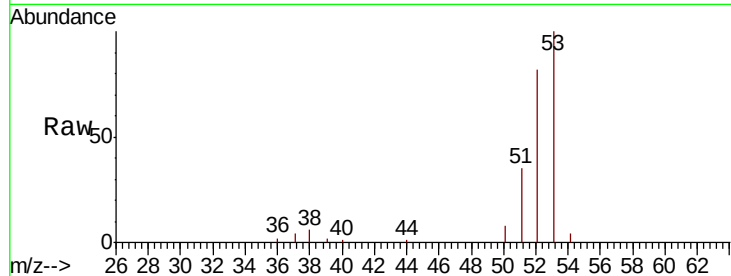
Tot Ion: 53 Resp: 66688

Ion Ratio Lower Upper

53 100

52 80.9 66.1 99.1

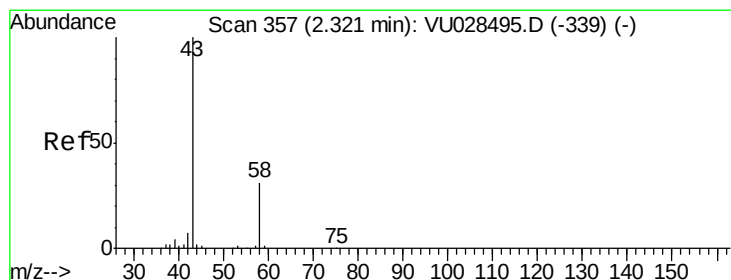
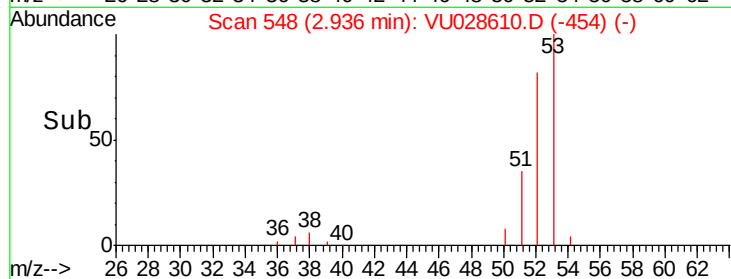
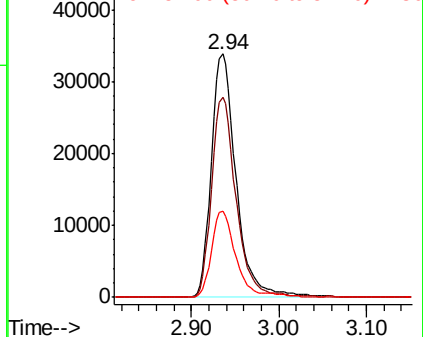
51 35.2 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 87.529 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028610.D

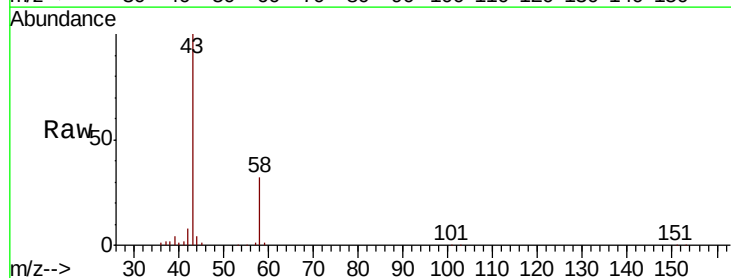
Acq: 11 Dec 2018 16:25

Tgt Ion: 43 Resp: 69540

Ion Ratio Lower Upper

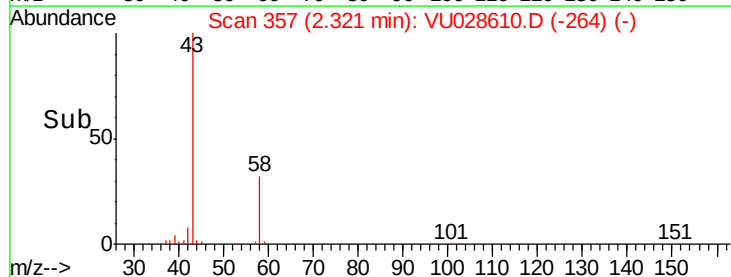
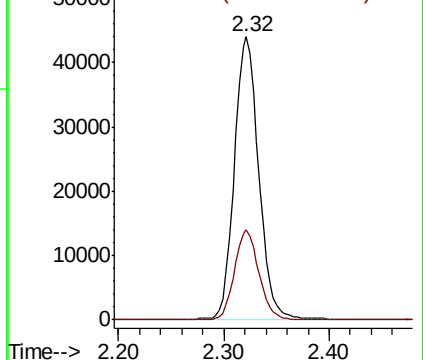
43 100

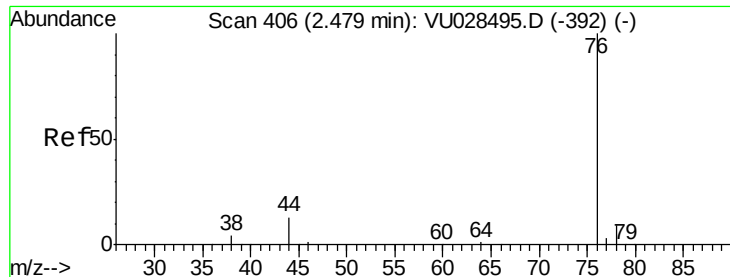
58 31.8 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 16.316 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

Instrument :

MSVOA_U

ClientSampleId :

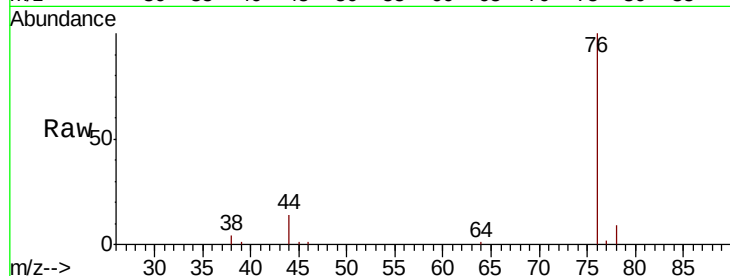
VU1213WBS01

Tot Ion: 76 Resp: 52210

Ion Ratio Lower Upper

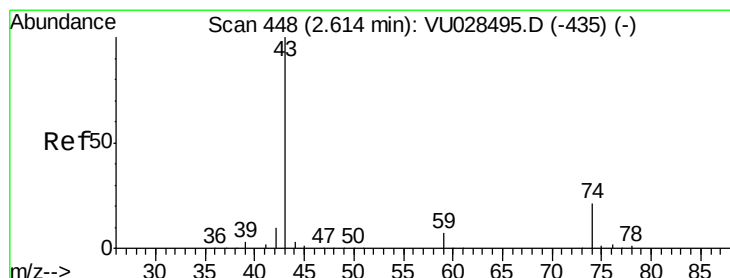
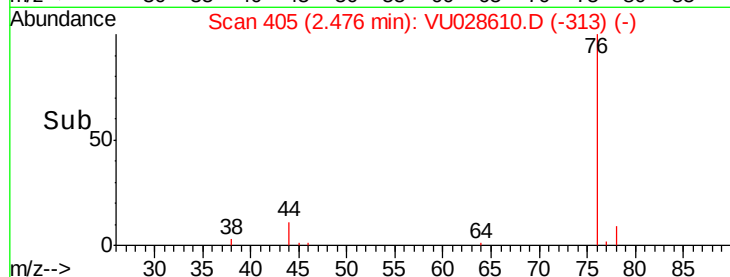
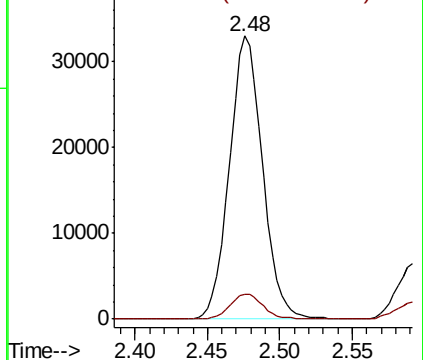
76 100

78 8.9 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU028495.D (-392) (-)

Ion 77.90 (77.60 to 78.60): VU028610.D (-313) (-)



#18

Methyl Acetate

Concen: 18.682 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU028610.D

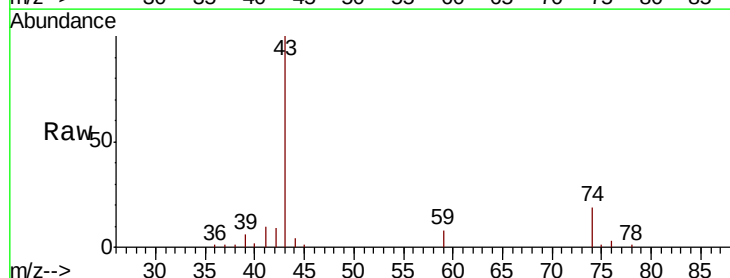
Acq: 11 Dec 2018 16:25

Tgt Ion: 43 Resp: 38476

Ion Ratio Lower Upper

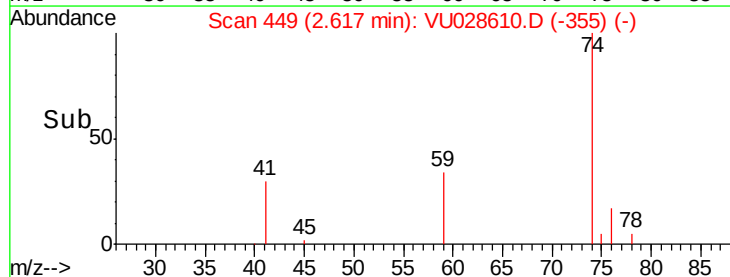
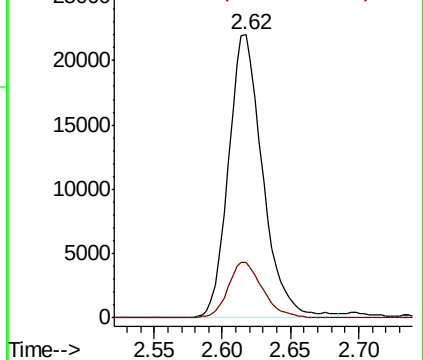
43 100

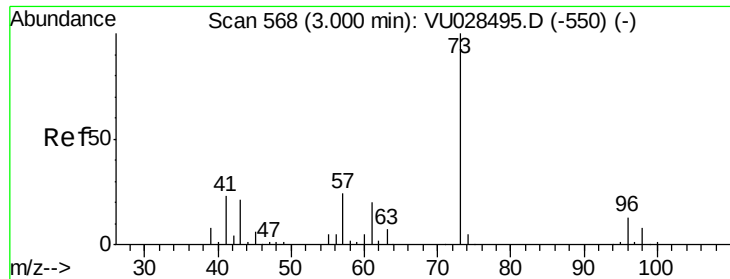
74 19.7 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-435) (-)

Ion 74.00 (73.70 to 74.70): VU028610.D (-355) (-)

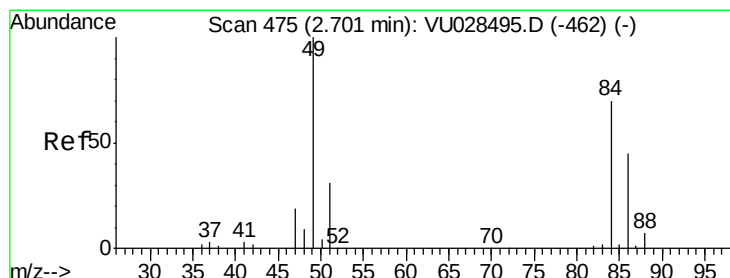
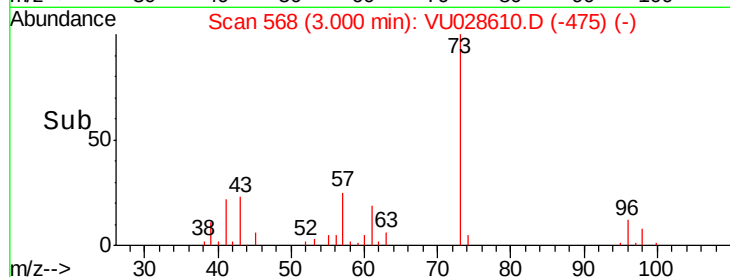
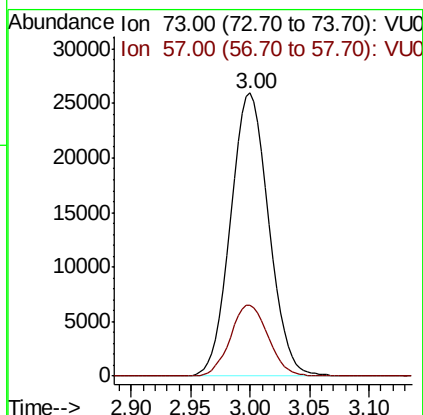
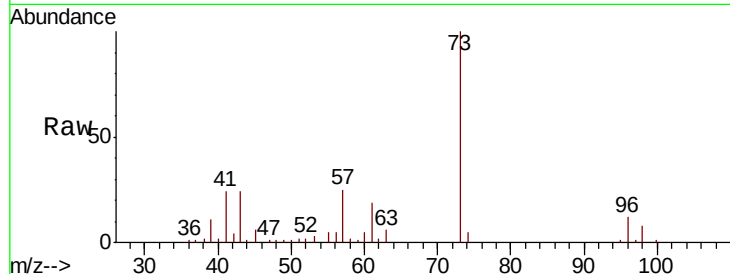




#19
Methyl tert-butyl Ether
Concen: 17.144 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

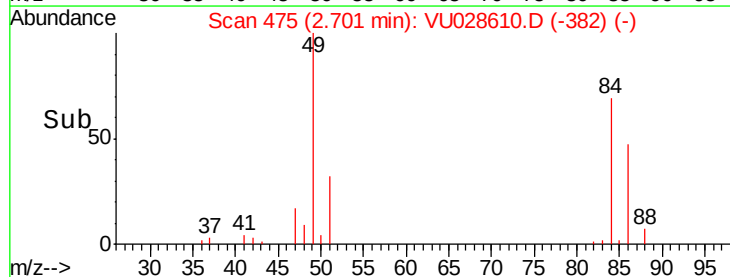
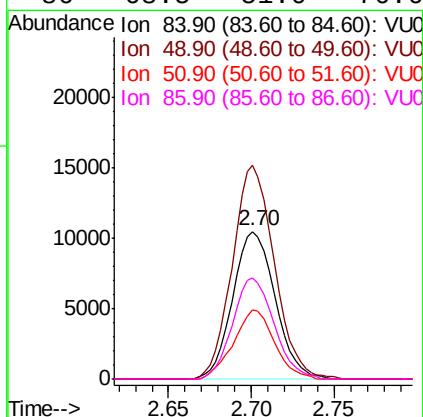
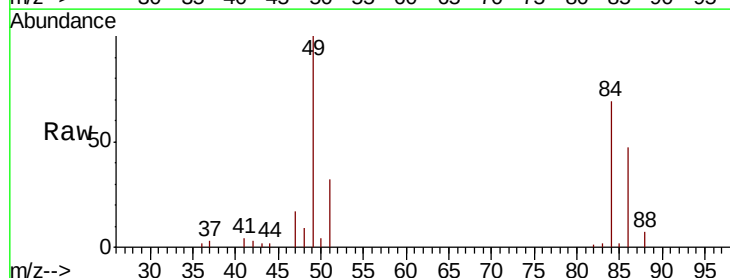
Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS01

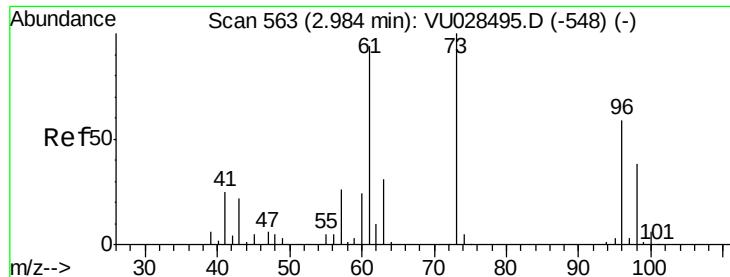
Tot Ion: 73 Resp: 57728
Ion Ratio Lower Upper
73 100
57 25.1 19.4 29.2



#20
Methylene Chloride
Concen: 15.943 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

Tgt Ion: 84 Resp: 18672
Ion Ratio Lower Upper
84 100
49 144.6 114.0 171.0
51 46.5 35.1 52.7
86 68.5 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 16.881 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

Instrument :

MSVOA_U

ClientSampleId :

VU1213WBS01

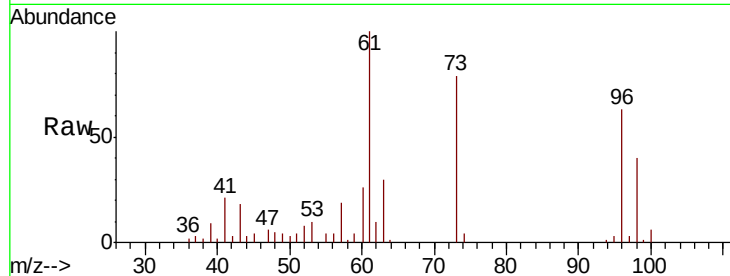
Tot Ion: 96 Resp: 16883

Ion Ratio Lower Upper

96 100

61 158.3 127.0 190.4

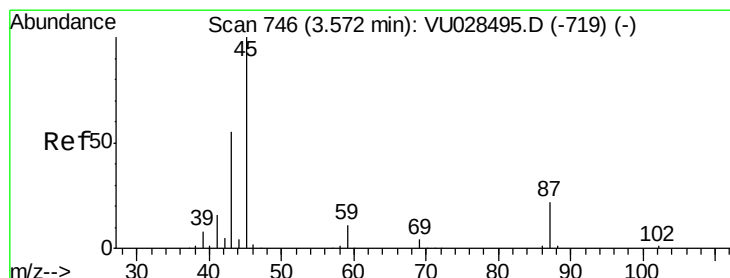
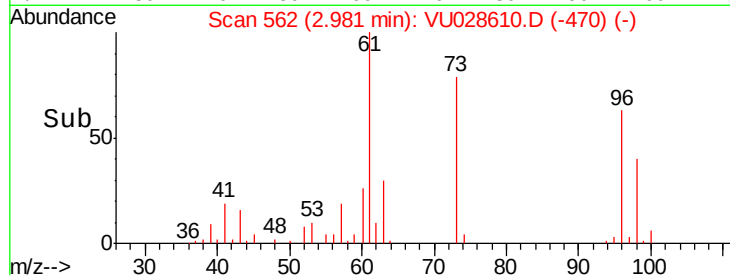
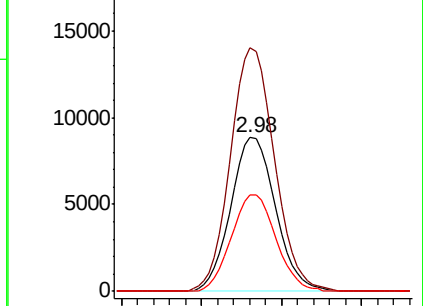
98 62.7 51.9 77.9



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 17.460 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

Tgt Ion: 45 Resp: 71350

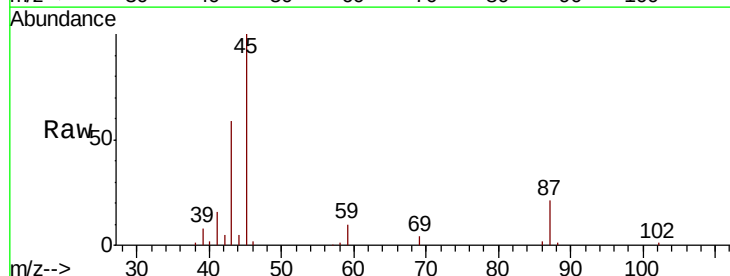
Ion Ratio Lower Upper

45 100

43 57.4 45.3 67.9

87 21.4 17.6 26.4

59 10.1 8.8 13.2

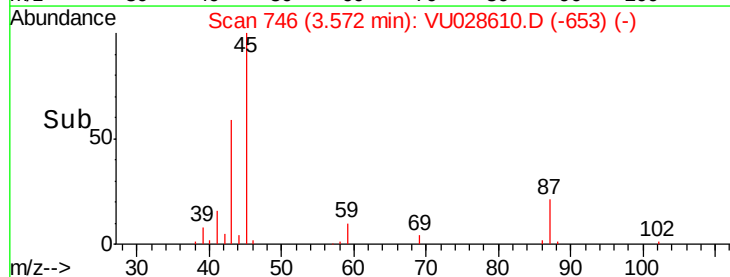
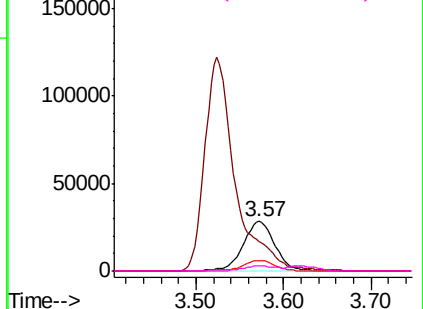


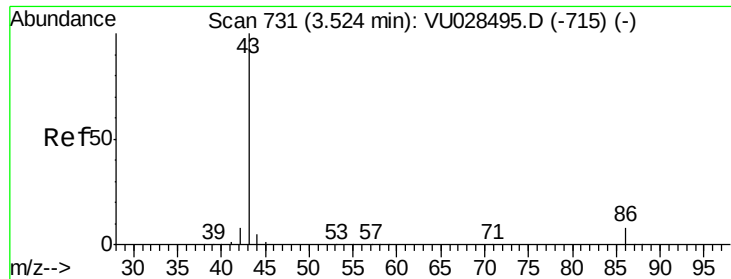
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 87.974 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

Instrument :

MSVOA_U

ClientSampleId :

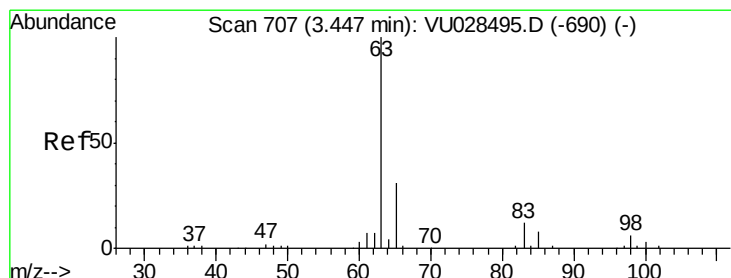
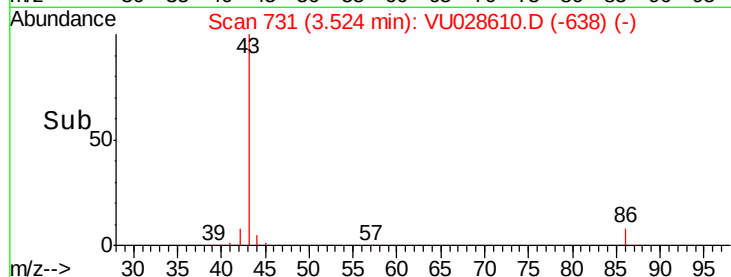
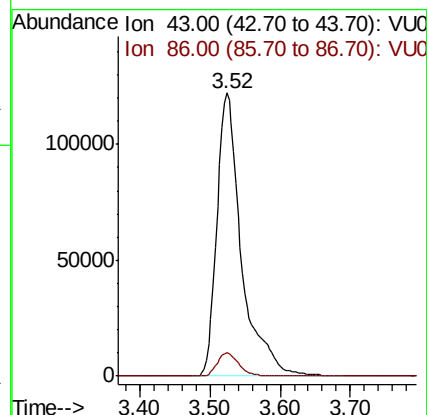
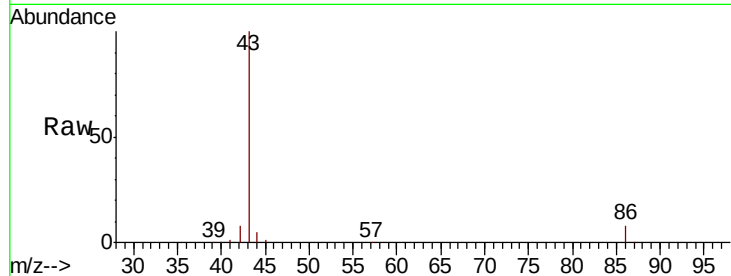
VU1213WBS01

Tot Ion: 43 Resp: 296530

Ion Ratio Lower Upper

43 100

86 8.3 6.8 10.2



#24

1,1-Dichloroethane

Concen: 16.882 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

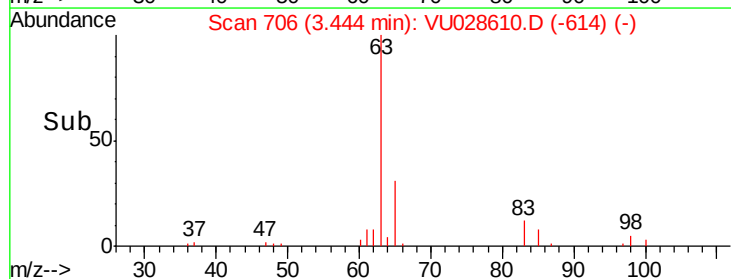
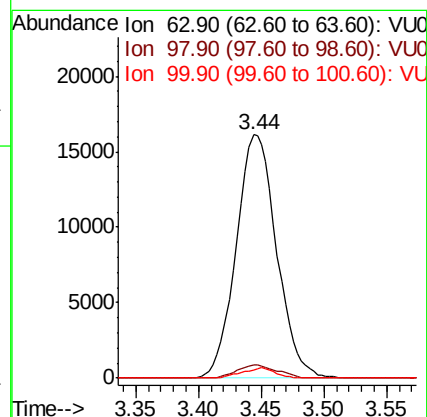
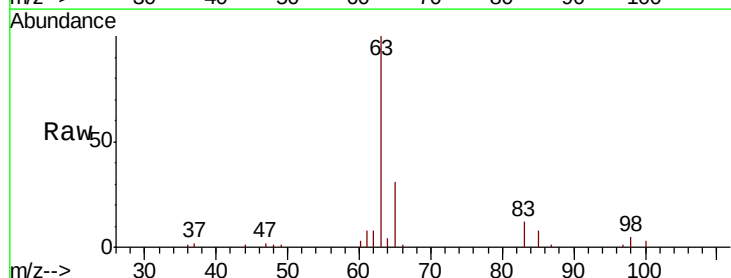
Tgt Ion: 63 Resp: 36111

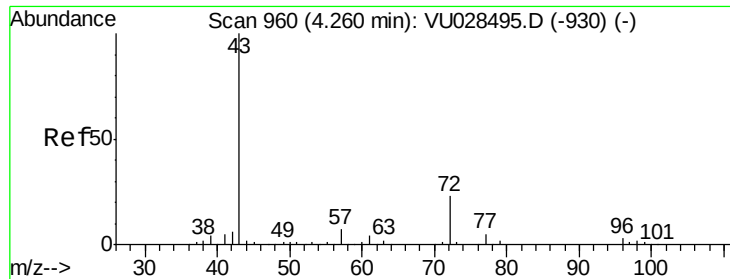
Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.2

100 3.5 1.7 5.1





#25

2-Butanone

Concen: 89.088 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

Instrument :

MSVOA_U

ClientSampleId :

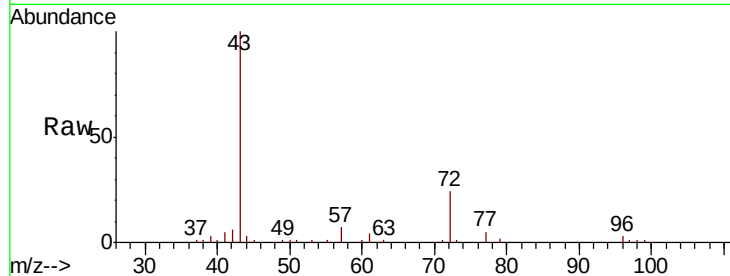
VU1213WBS01

Tot Ion: 43 Resp: 96726

Ion Ratio Lower Upper

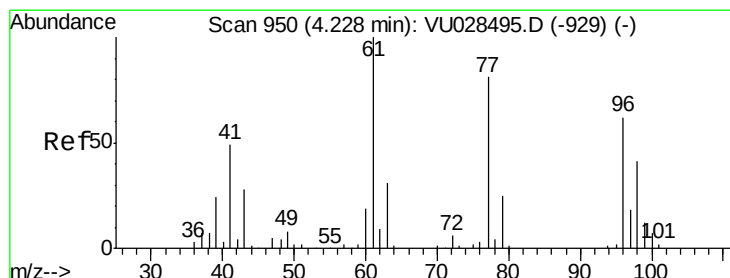
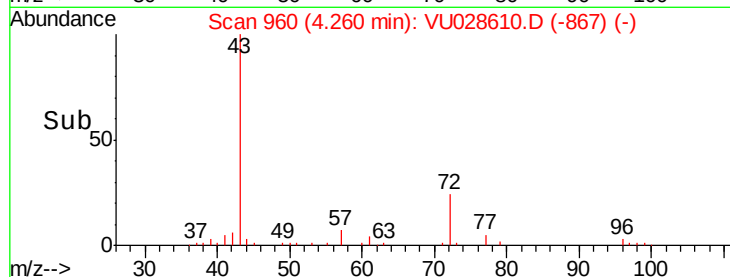
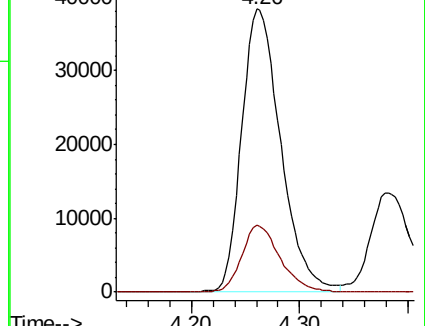
43 100

72 23.6 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 17.081 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028610.D

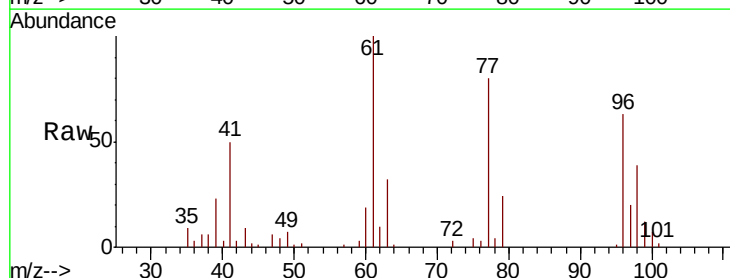
Acq: 11 Dec 2018 16:25

Tgt Ion: 77 Resp: 28951

Ion Ratio Lower Upper

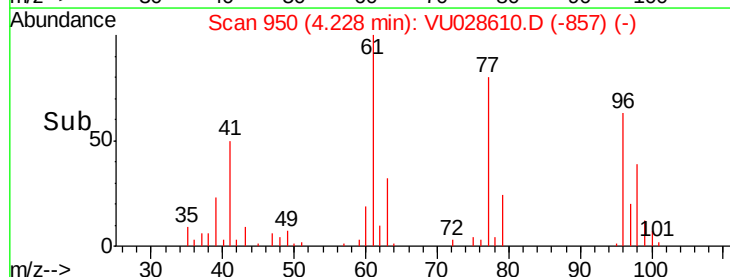
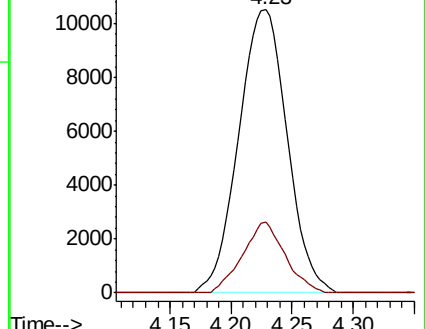
77 100

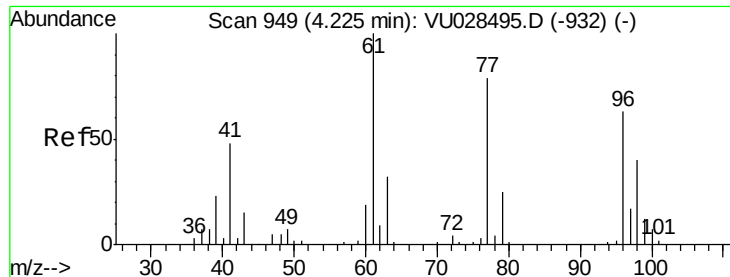
97 21.8 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



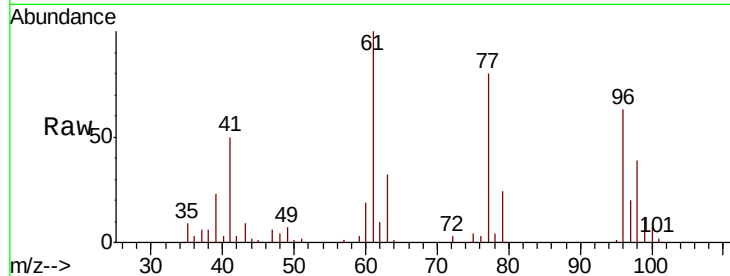


#27

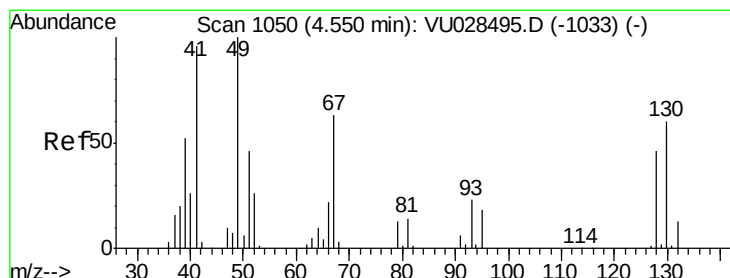
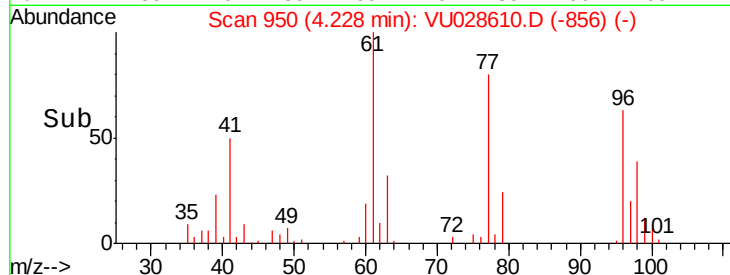
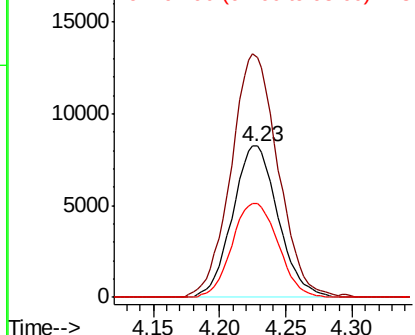
cis-1,2-Dichloroethene
Concen: 17.348 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS01

Tot Ion: 96 Resp: 19638
Ion Ratio Lower Upper
96 100
61 166.2 0.0 332.4
98 62.9 0.0 129.0



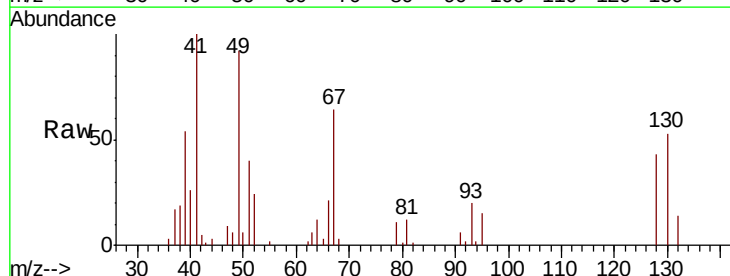
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



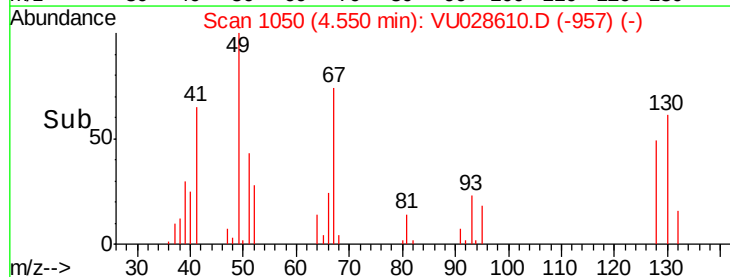
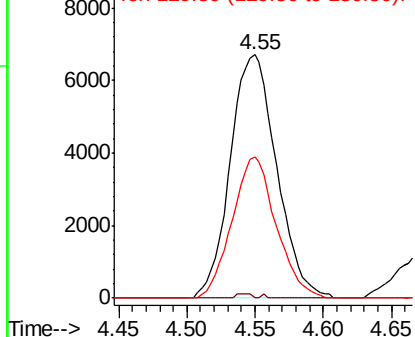
#28

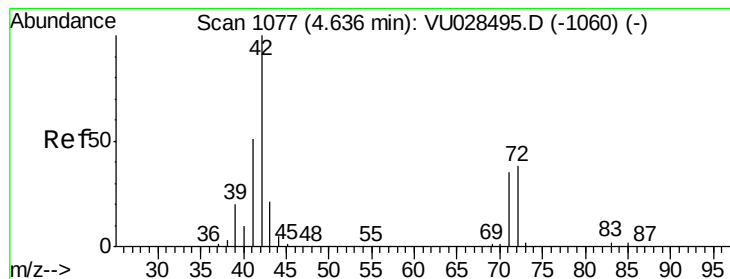
Bromochloromethane
Concen: 16.292 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

Tgt Ion: 49 Resp: 15843
Ion Ratio Lower Upper
49 100
129 0.1 0.0 3.0
130 55.0 47.8 71.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 89.985 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

Instrument :

MSVOA_U

ClientSampleId :

VU1213WBS01

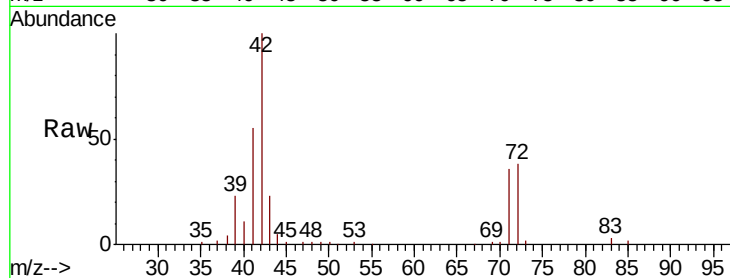
Tot Ion: 42 Resp: 62747

Ion Ratio Lower Upper

42 100

72 37.8 31.4 47.0

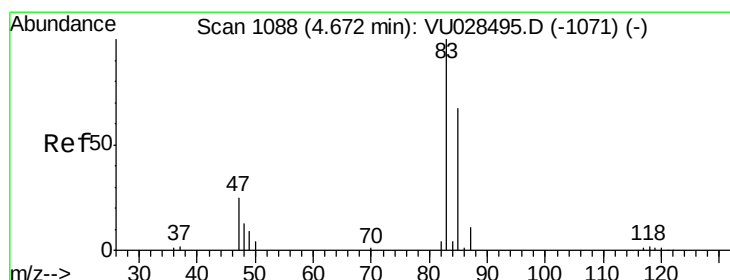
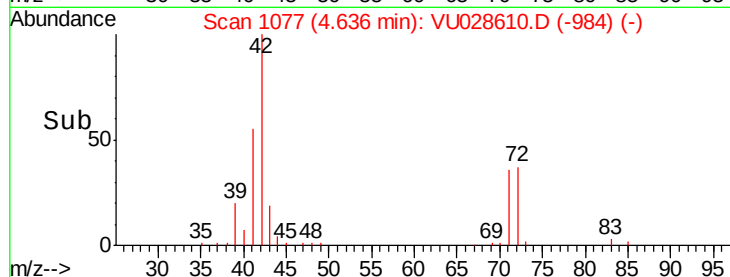
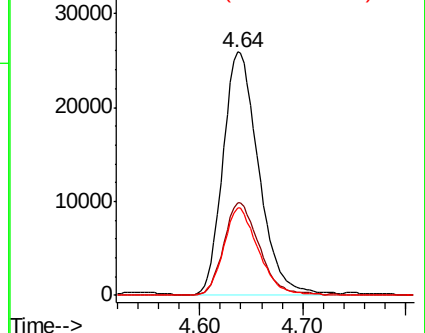
71 34.7 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 17.802 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VU028610.D

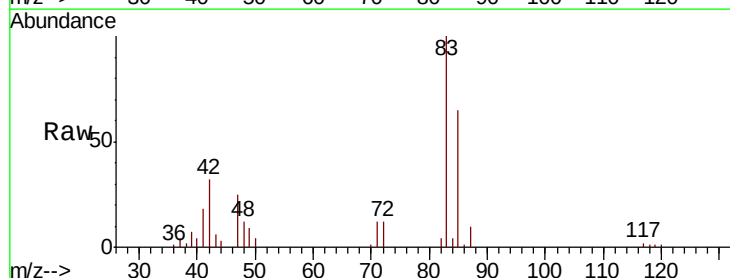
Acq: 11 Dec 2018 16:25

Tgt Ion: 83 Resp: 33188

Ion Ratio Lower Upper

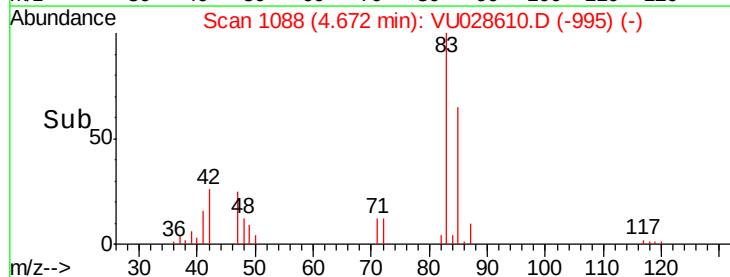
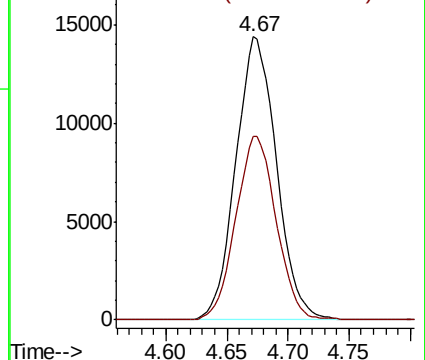
83 100

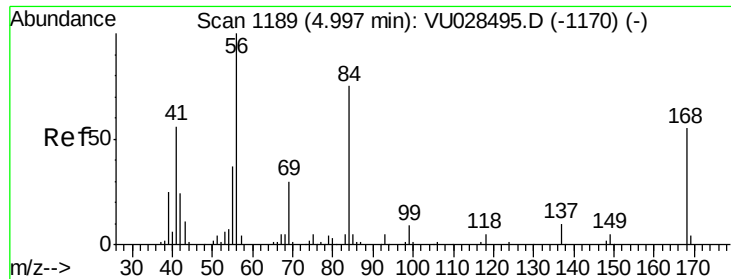
85 64.7 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

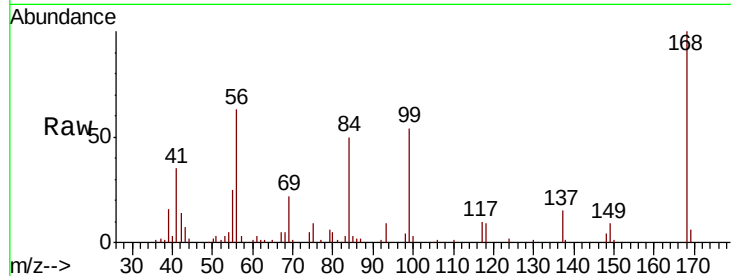




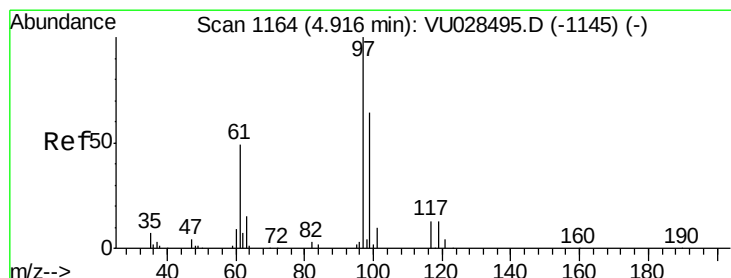
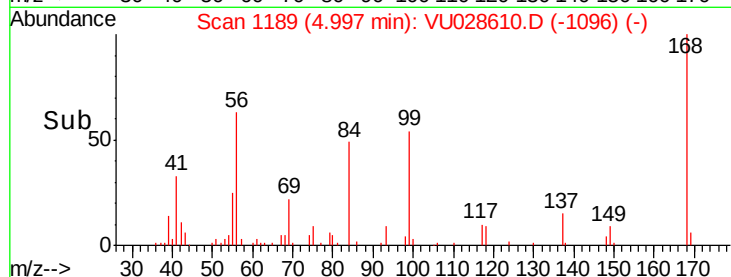
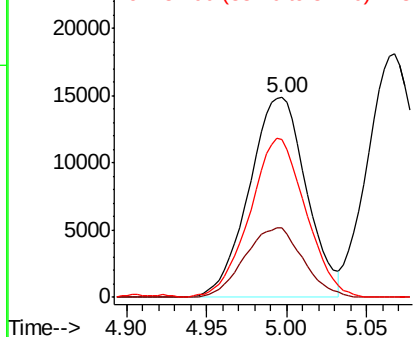
#31
Cyclohexane
Concen: 16.836 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS01

Tot Ion: 56 Resp: 36802
Ion Ratio Lower Upper
56 100
69 34.5 24.0 36.0
84 78.9 59.7 89.5

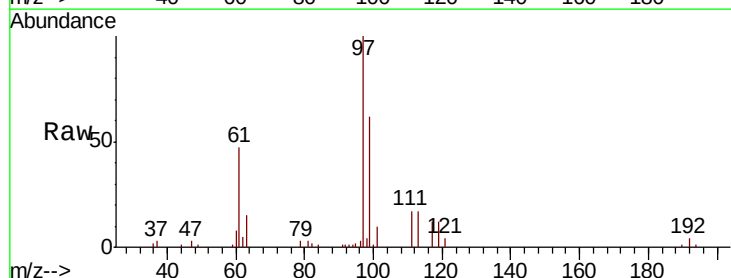


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

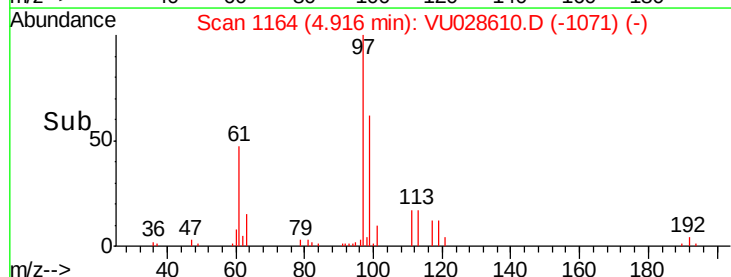
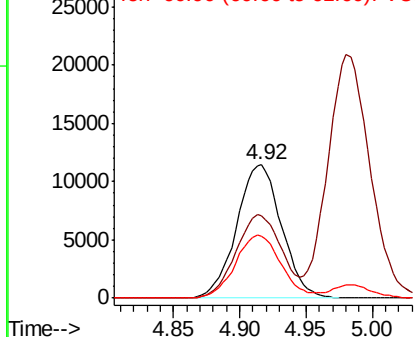


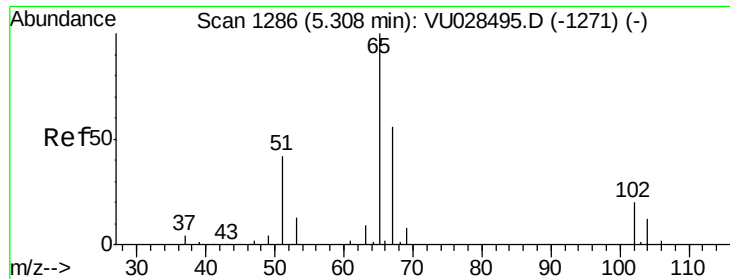
#32
1,1,1-Trichloroethane
Concen: 17.451 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

Tgt Ion: 97 Resp: 27021
Ion Ratio Lower Upper
97 100
99 63.2 52.3 78.5
61 48.4 39.0 58.6



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

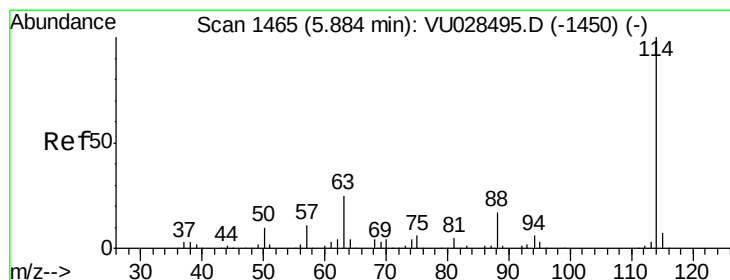
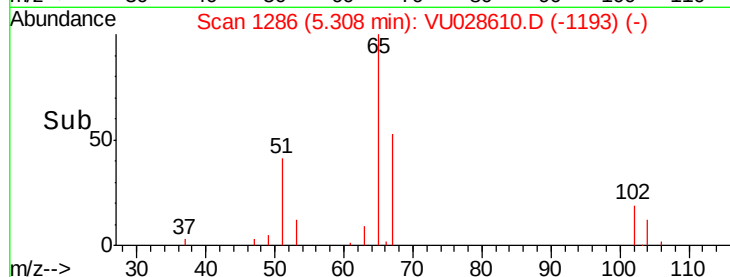
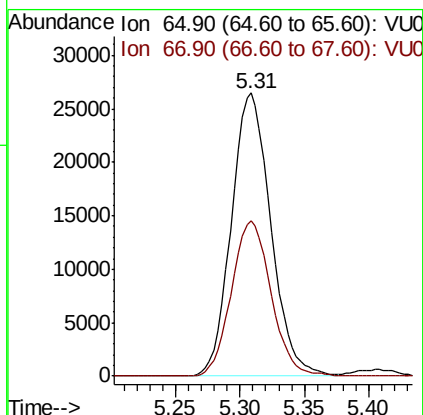
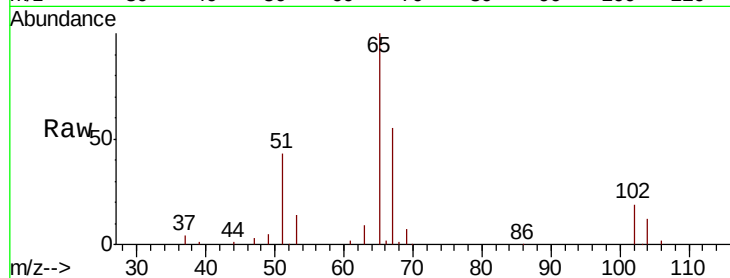




#33
 1,2-Dichloroethane-d4
 Concen: 46.184 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028610.D
 Acq: 11 Dec 2018 16:25

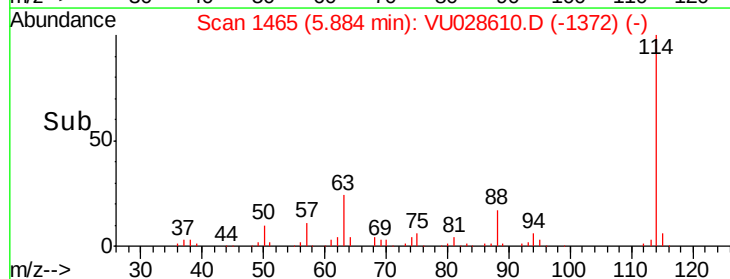
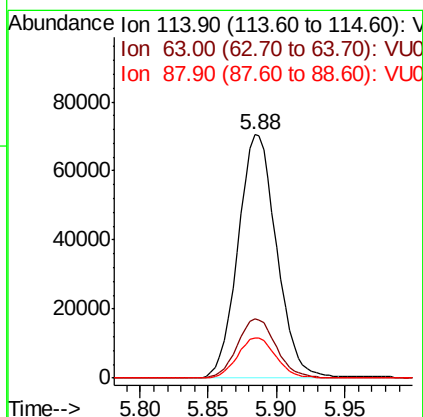
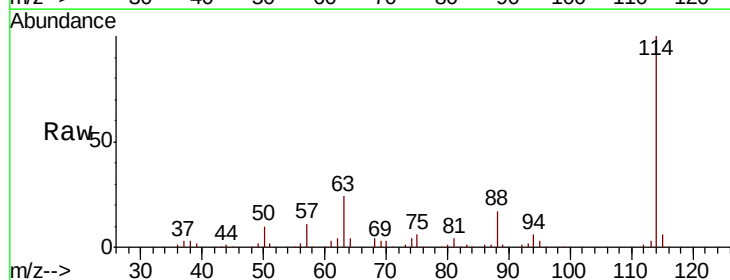
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBS01

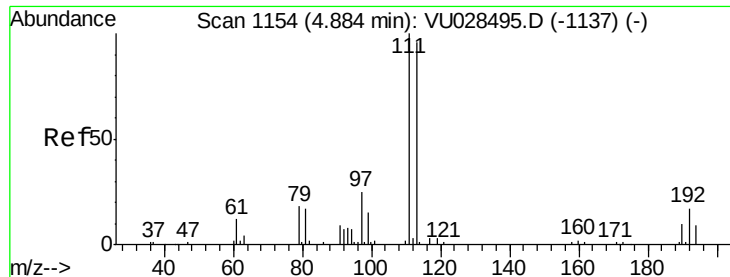
Tot Ion: 65 Resp: 56230
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028610.D
 Acq: 11 Dec 2018 16:25

Tgt Ion: 114 Resp: 138396
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 49.2
 88 16.7 0.0 33.4

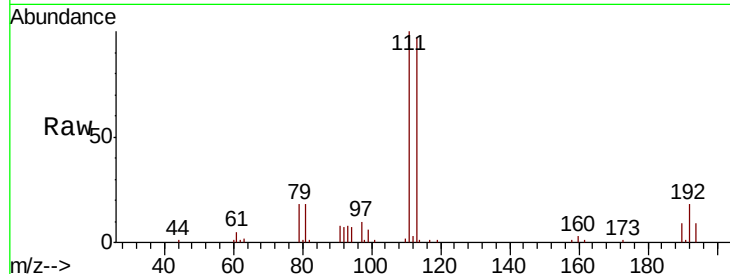




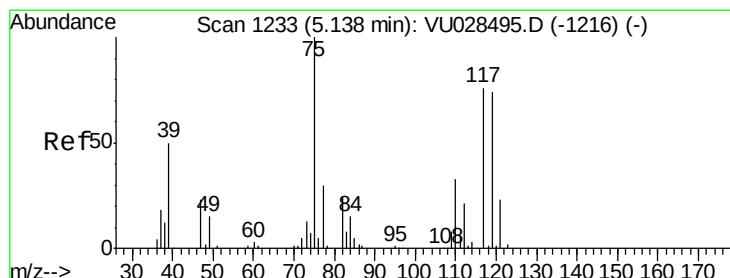
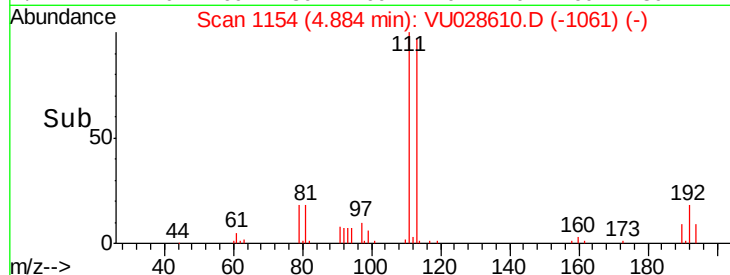
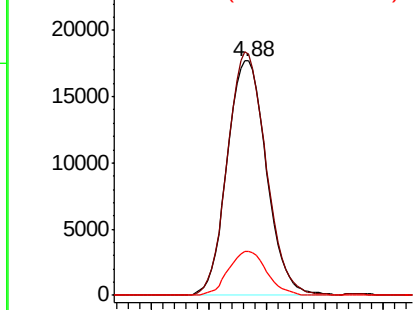
#35
 Dibromofluoromethane
 Concen: 47.795 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028610.D
 Acq: 11 Dec 2018 16:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBS01

Tot Ion:113 Resp: 41626
 Ion Ratio Lower Upper
 113 100
 111 101.5 83.4 125.0
 192 18.3 14.8 22.2

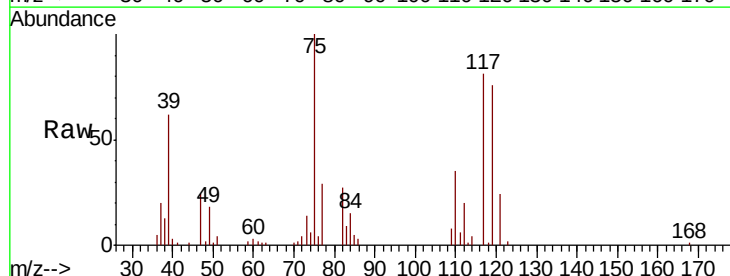


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

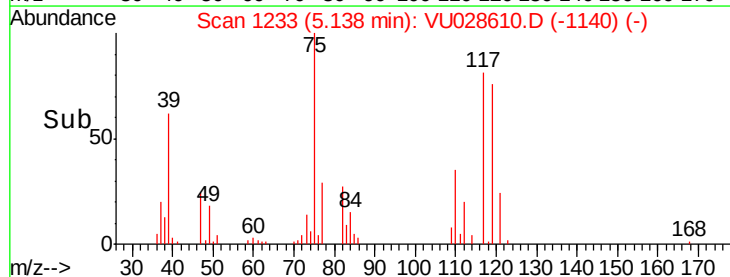
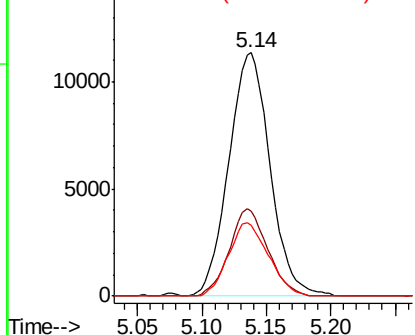


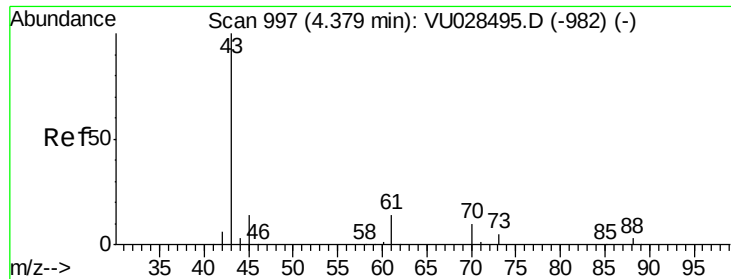
#36
 1,1-Dichloropropene
 Concen: 16.662 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU028610.D
 Acq: 11 Dec 2018 16:25

Tgt Ion: 75 Resp: 25233
 Ion Ratio Lower Upper
 75 100
 110 33.3 16.1 48.2
 77 29.2 24.5 36.7



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

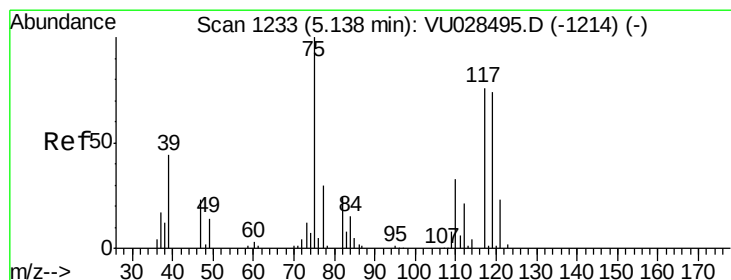
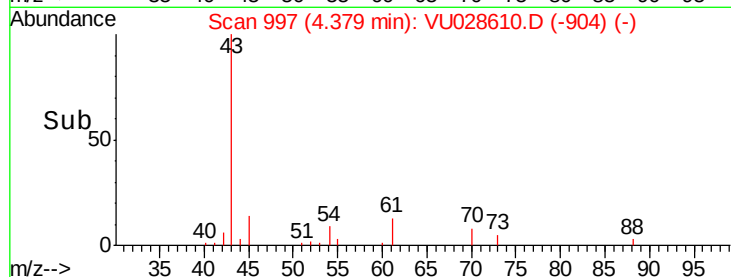
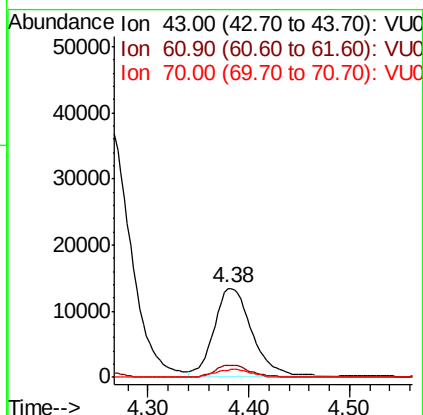
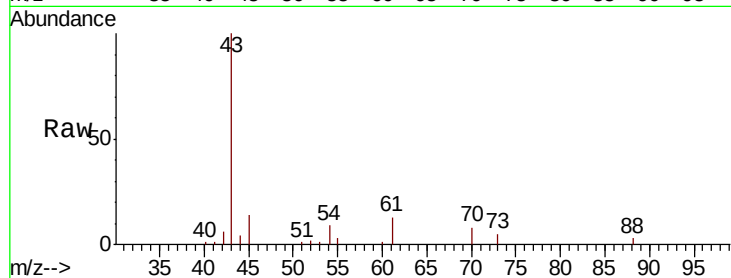




#37
Ethyl Acetate
Concen: 17.597 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

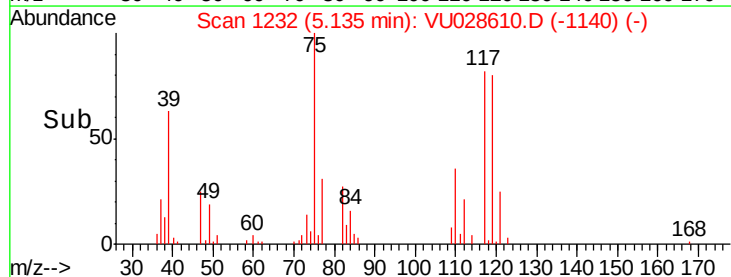
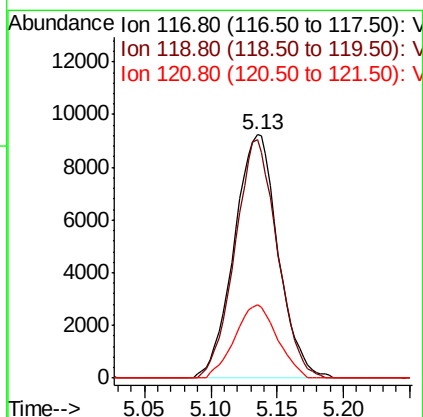
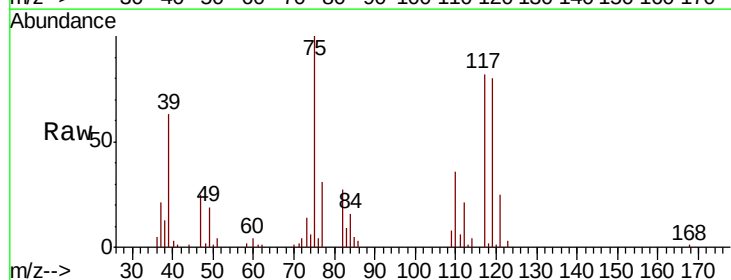
Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS01

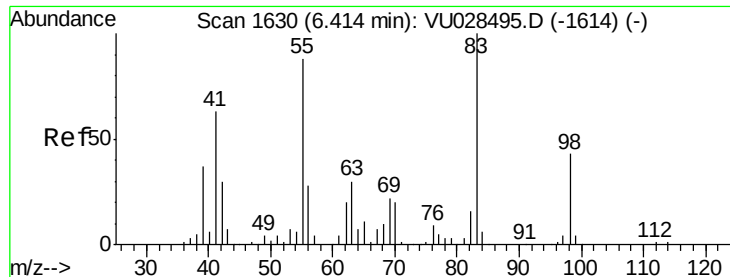
Tot Ion: 43 Resp: 34451
Ion Ratio Lower Upper
43 100
61 13.1 11.0 16.4
70 8.6 7.4 11.0



#38
Carbon Tetrachloride
Concen: 17.432 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

Tgt Ion: 117 Resp: 21278
Ion Ratio Lower Upper
117 100
119 98.1 77.6 116.4
121 30.3 24.6 36.8

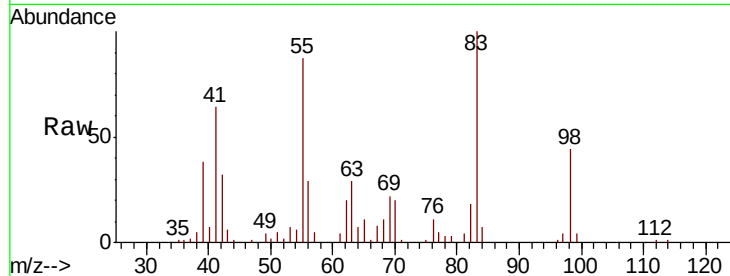




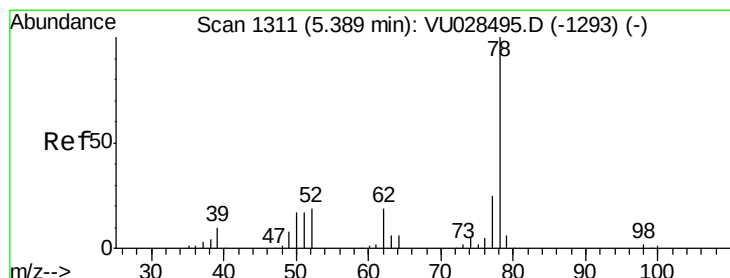
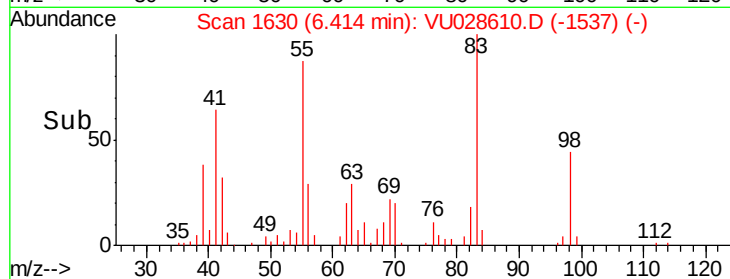
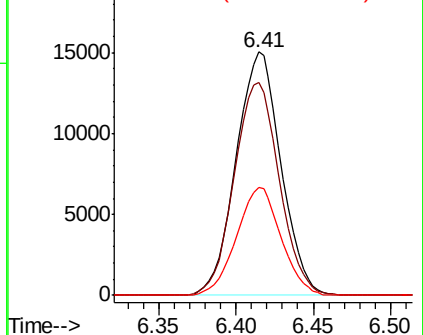
#39
Methylvlcyclohexane
Concen: 16.388 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS01

Tot Ion: 83 Resp: 30279
Ion Ratio Lower Upper
83 100
55 87.2 70.2 105.2
98 44.2 34.2 51.4

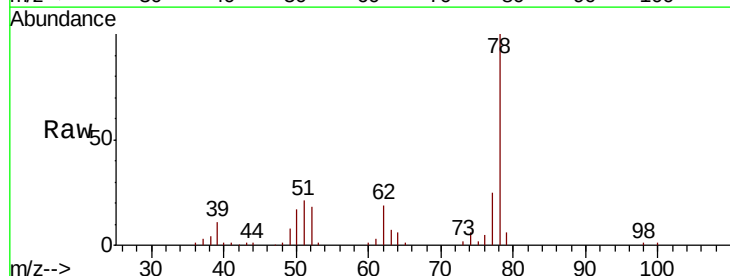


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

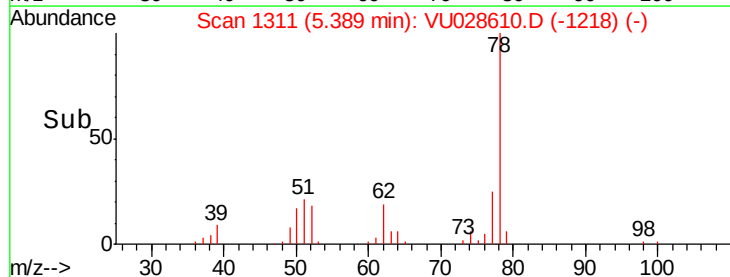
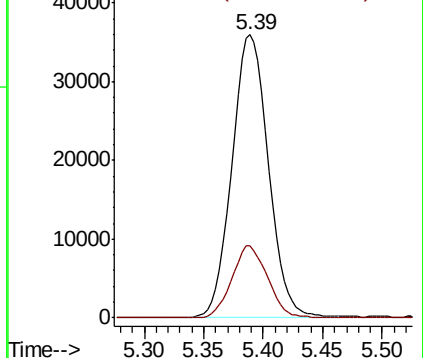


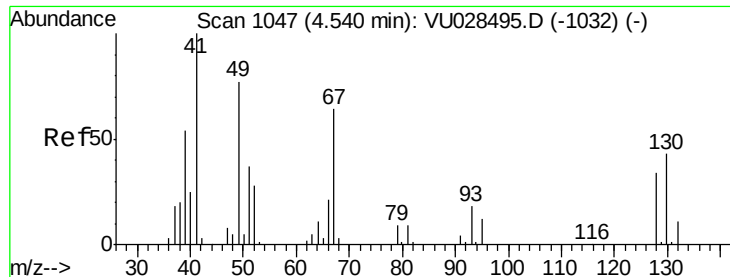
#40
Benzene
Concen: 17.155 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

Tgt Ion: 78 Resp: 76517
Ion Ratio Lower Upper
78 100
77 25.4 19.9 29.9



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

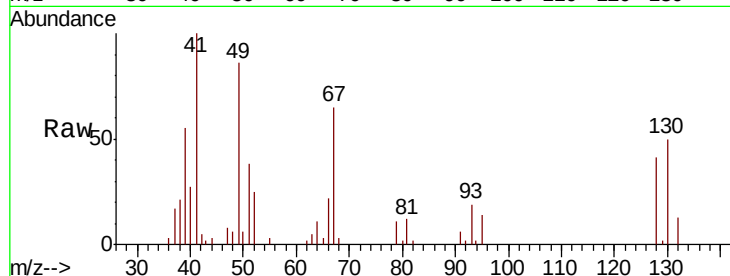




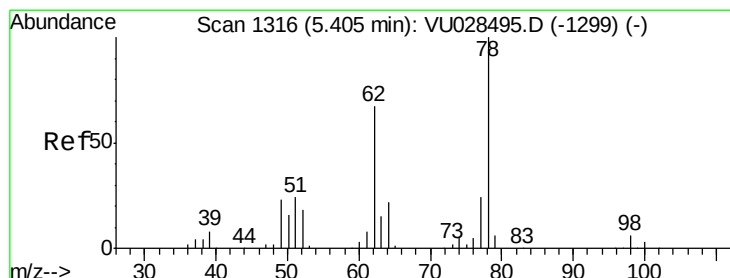
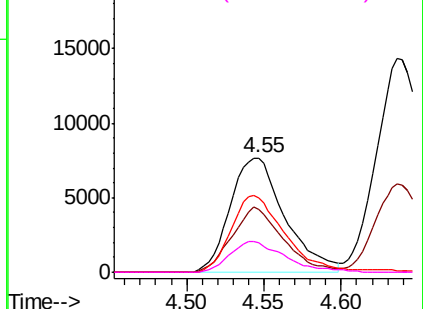
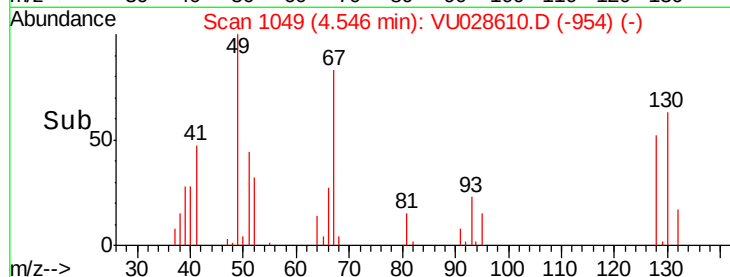
#41
Methacrylonitrile
Concen: 17.574 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.01 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS01

Tot Ion:	41	Resp:	18842
Ion	Ratio	Lower	Upper
41	100		
39	53.2	43.3	64.9
67	65.4	53.6	80.4
52	27.4	22.1	33.1

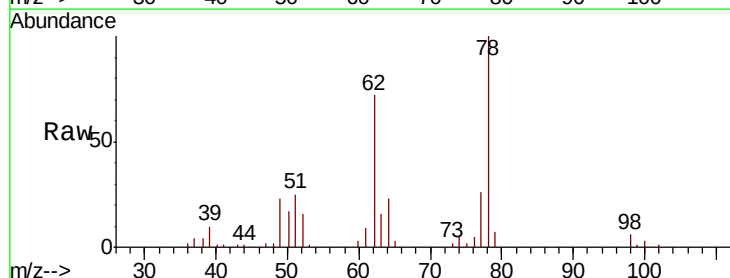


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

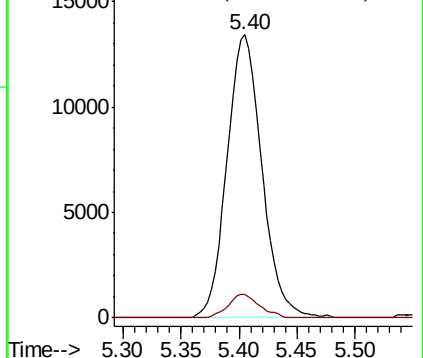
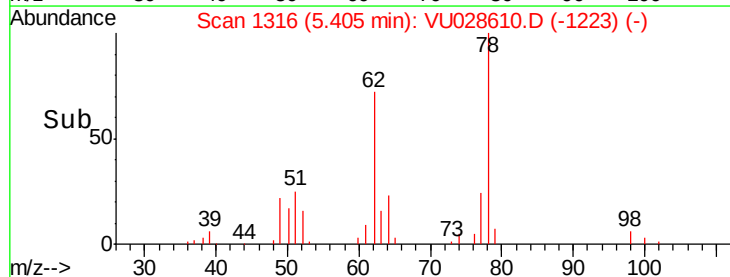


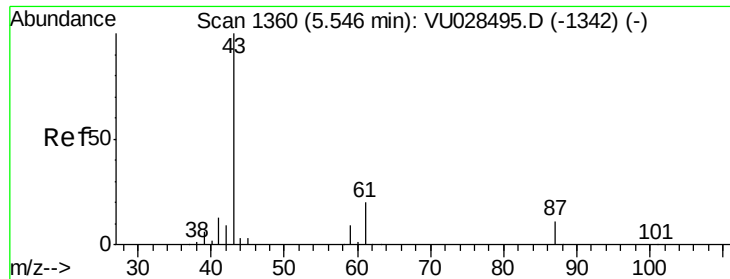
#42
1,2-Dichloroethane
Concen: 17.951 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

Tgt Ion:	62	Resp:	28027
Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	17.2



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





#43

Isopropyl Acetate

Concen: 17.736 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

Instrument :

MSVOA_U

ClientSampleId :

VU1213WBS01

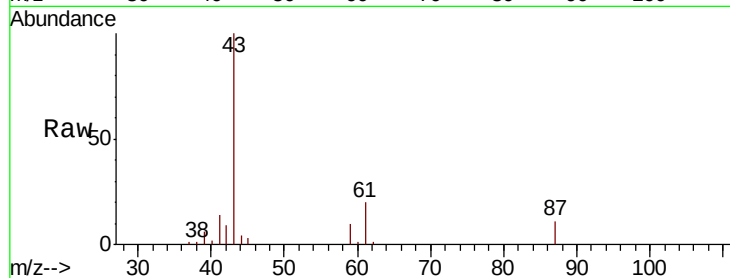
Tot Ion: 43 Resp: 54919

Ion Ratio Lower Upper

43 100

61 19.0 15.5 23.3

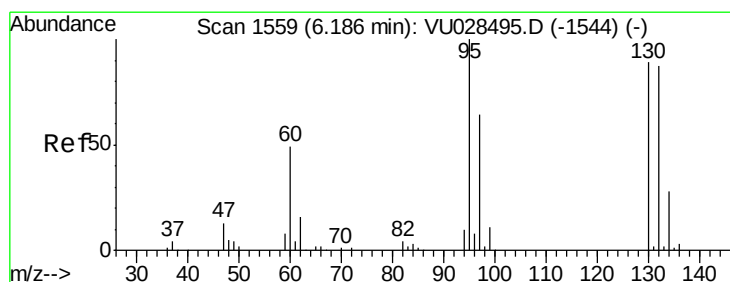
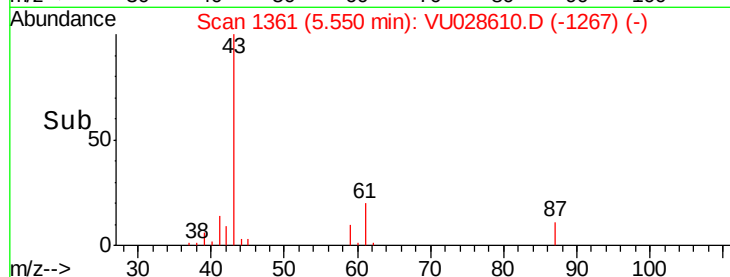
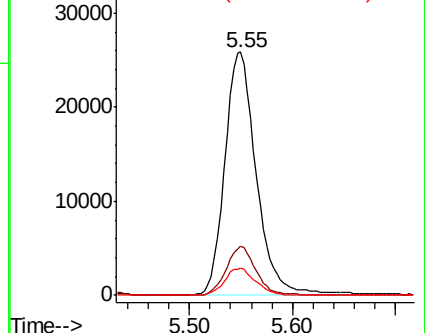
87 10.7 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU028495.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU028495.D (-1342) (-)



#44

Trichloroethene

Concen: 17.197 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028610.D

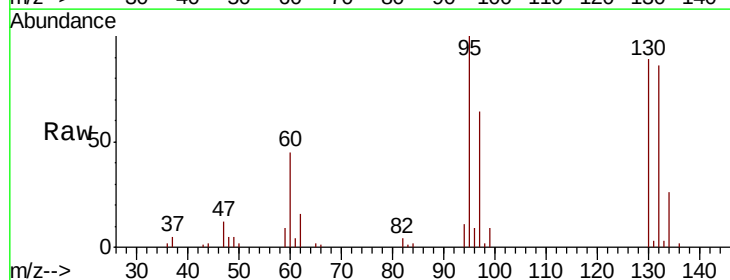
Acq: 11 Dec 2018 16:25

Tgt Ion: 130 Resp: 17055

Ion Ratio Lower Upper

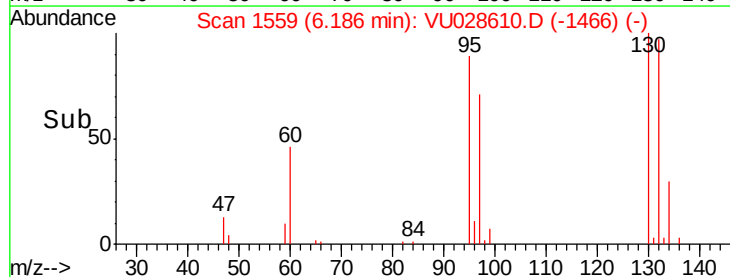
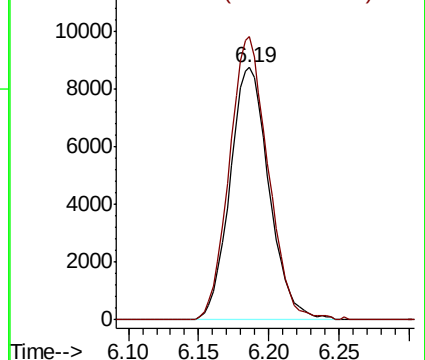
130 100

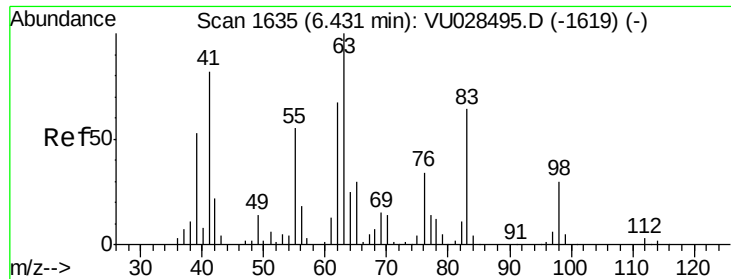
95 112.2 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028495.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028495.D (-1544) (-)

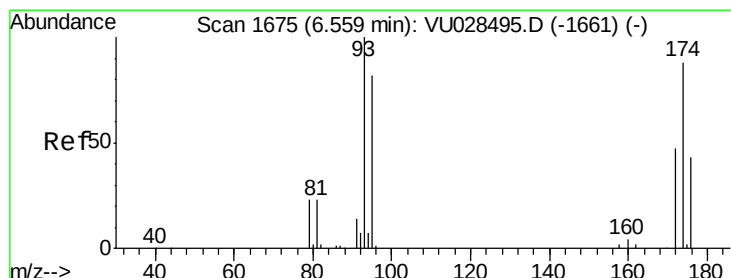
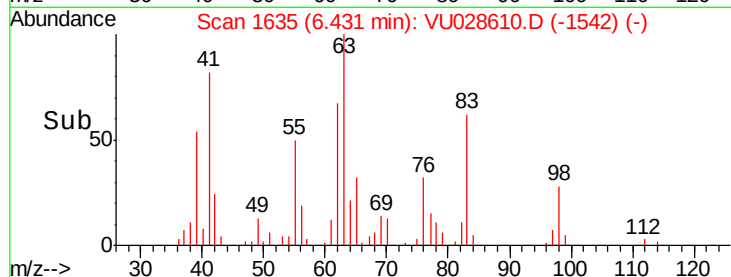
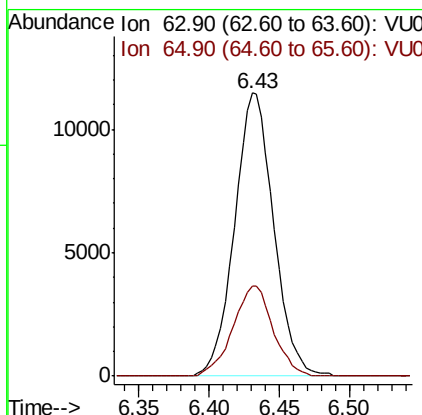
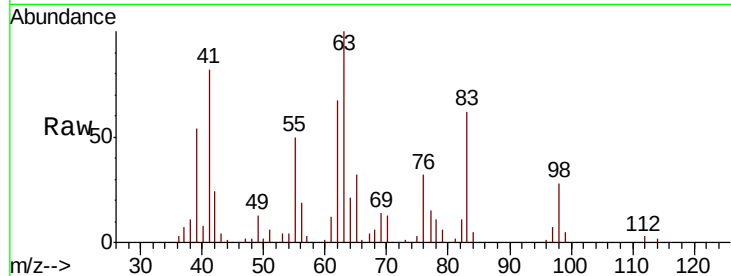




#45
 1,2-Dichloropropane
 Concen: 17.729 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU028610.D
 Acq: 11 Dec 2018 16:25

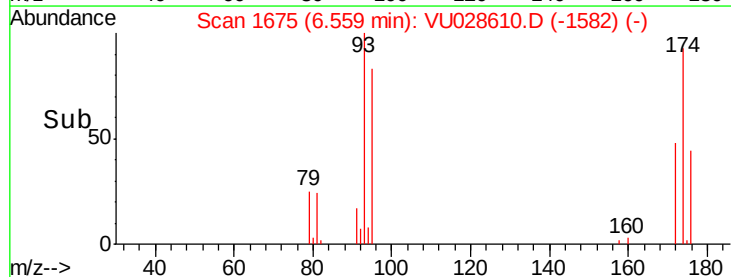
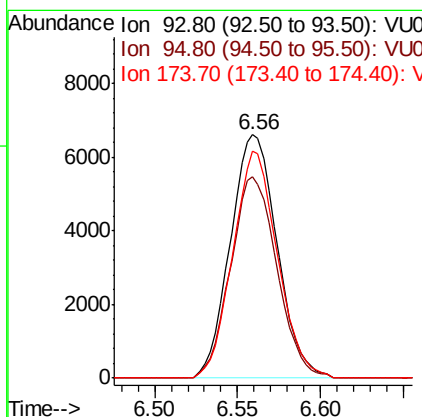
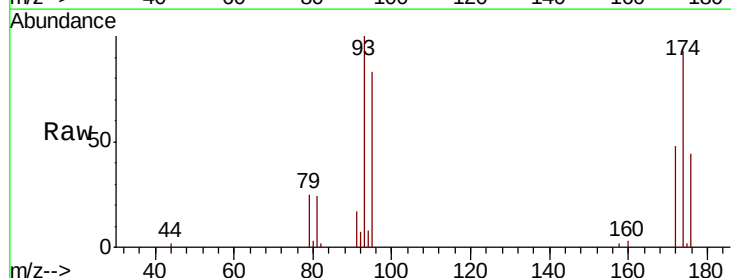
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBS01

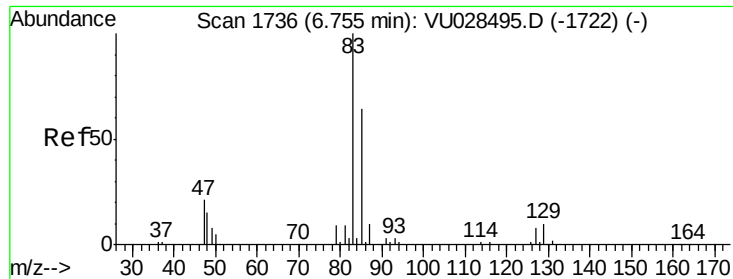
Tot Ion: 63 Resp: 22238
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.2 36.4



#46
 Dibromomethane
 Concen: 17.400 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: VU028610.D
 Acq: 11 Dec 2018 16:25

Tgt Ion: 93 Resp: 12949
 Ion Ratio Lower Upper
 93 100
 95 81.9 65.4 98.2
 174 89.2 72.2 108.4

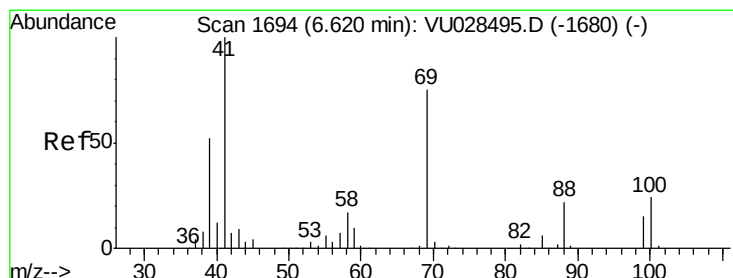
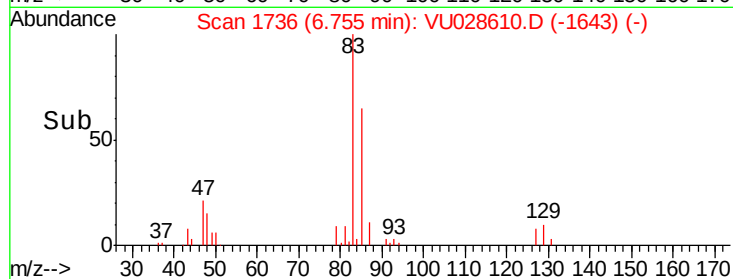
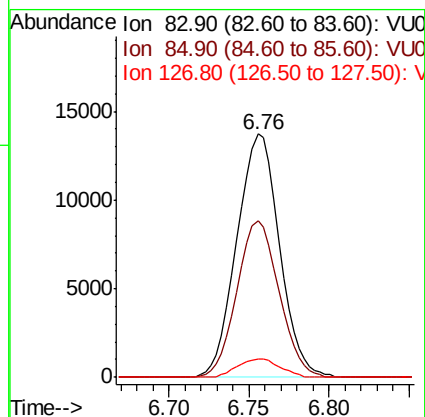
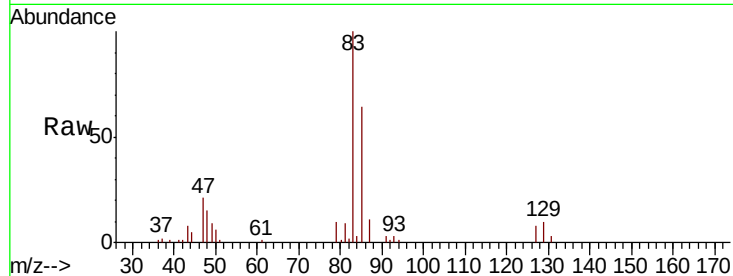




#47
Bromodichloromethane
Concen: 17.260 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

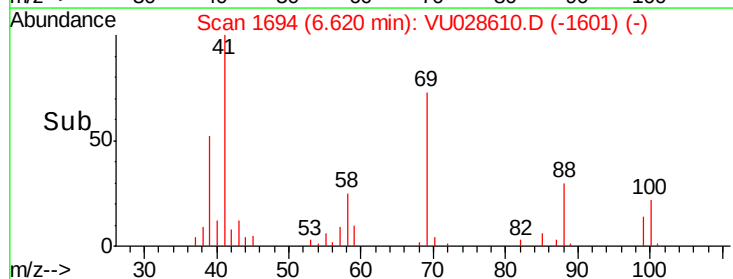
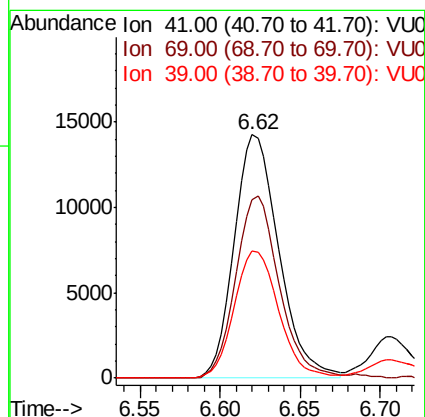
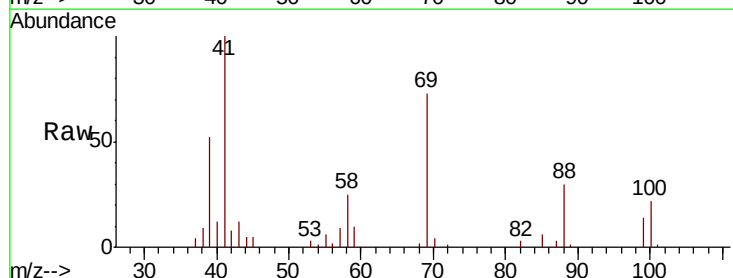
Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS01

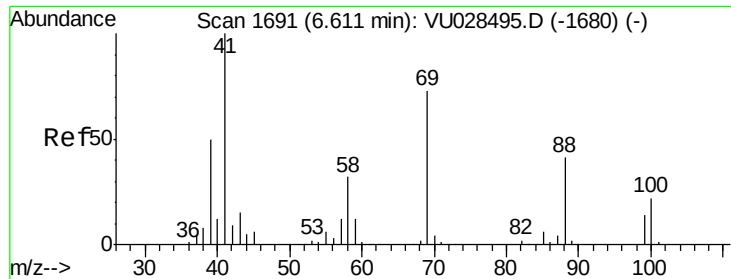
Tot Ion: 83 Resp: 24996
Ion Ratio Lower Upper
83 100
85 64.3 51.5 77.3
127 7.8 6.2 9.4



#48
Methyl methacrylate
Concen: 17.674 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

Tgt Ion: 41 Resp: 27217
Ion Ratio Lower Upper
41 100
69 72.6 60.4 90.6
39 52.2 41.1 61.7

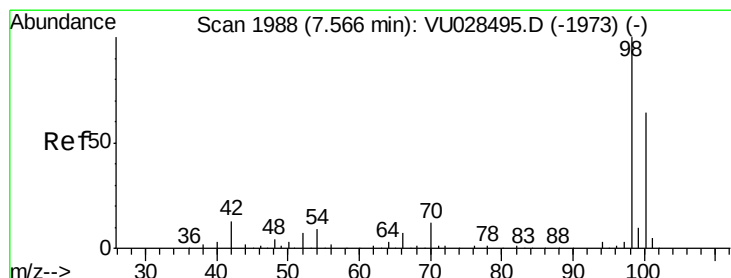
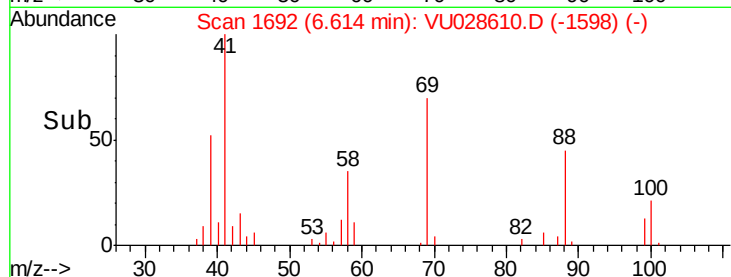
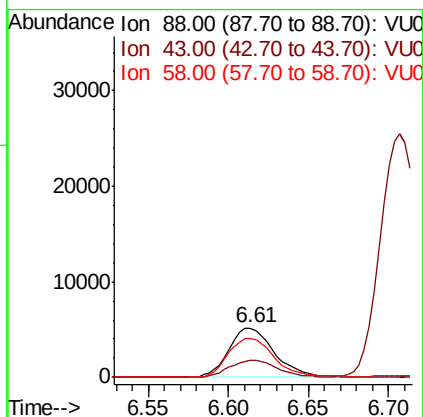
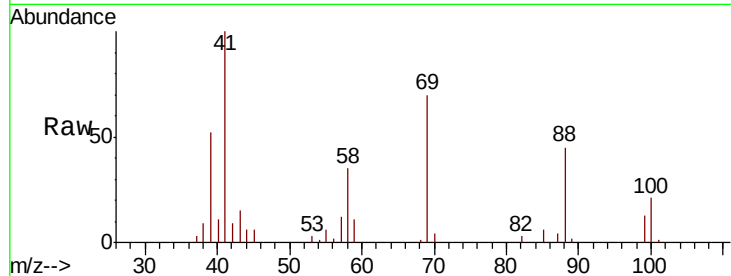




#49
1,4-Dioxane
Concen: 411.107 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

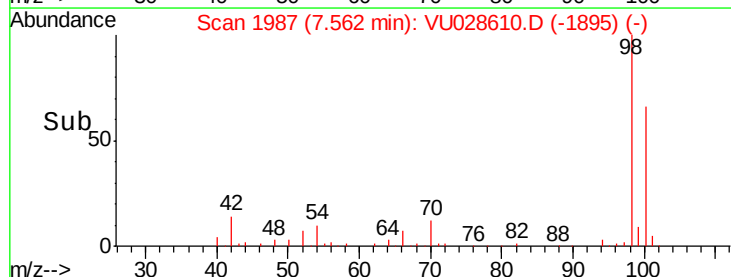
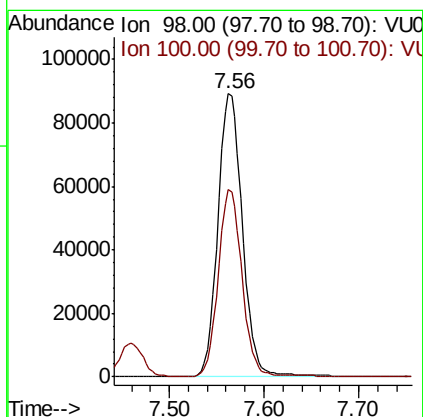
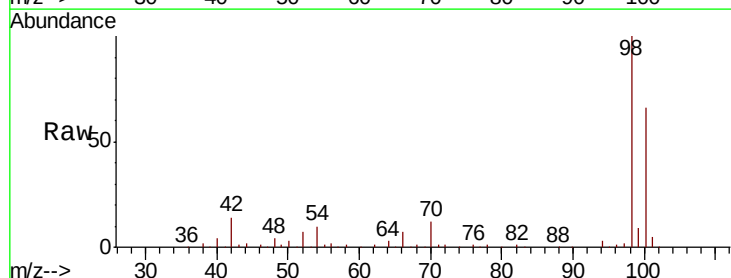
Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS01

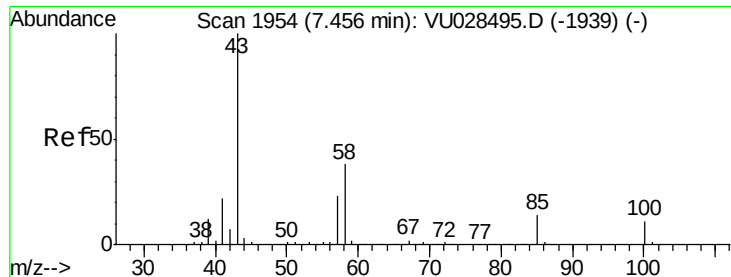
Tot Ion: 88 Resp: 9996
Ion Ratio Lower Upper
88 100
43 36.5 30.9 46.3
58 81.2 62.4 93.6



#50
Toluene-d8
Concen: 46.753 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

Tgt Ion: 98 Resp: 161078
Ion Ratio Lower Upper
98 100
100 64.1 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 88.570 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

Instrument :

MSVOA_U

ClientSampleId :

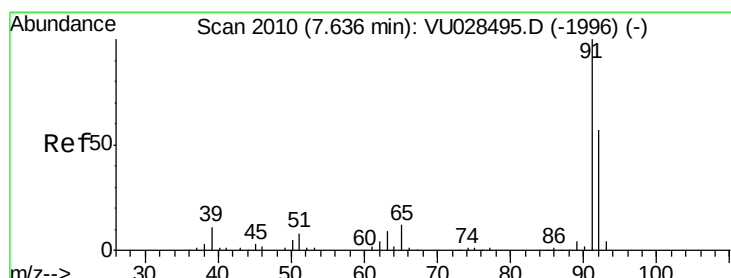
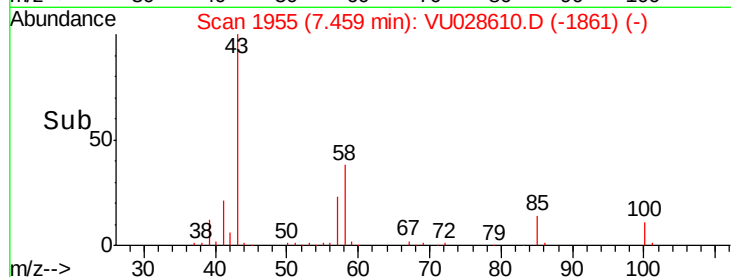
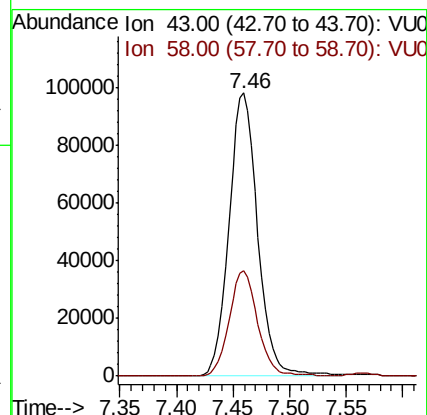
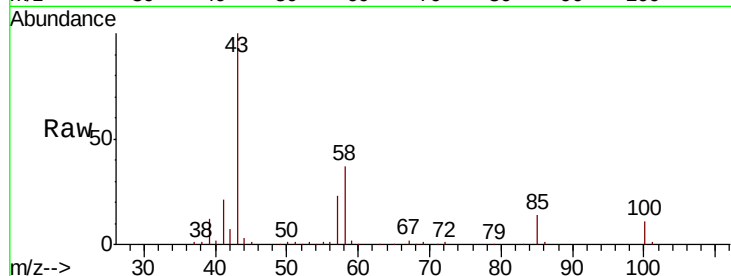
VU1213WBS01

Tot Ion: 43 Resp: 172980

Ion Ratio Lower Upper

43 100

58 37.0 30.2 45.2



#52

Toluene

Concen: 17.126 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028610.D

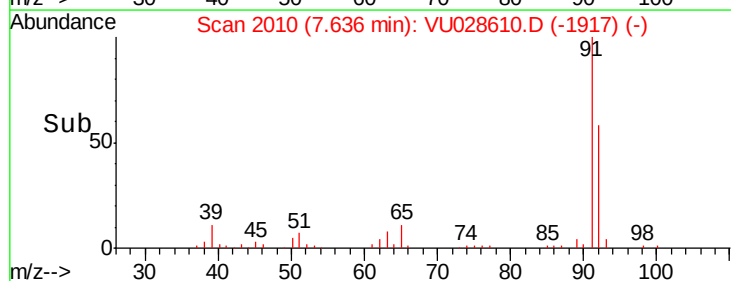
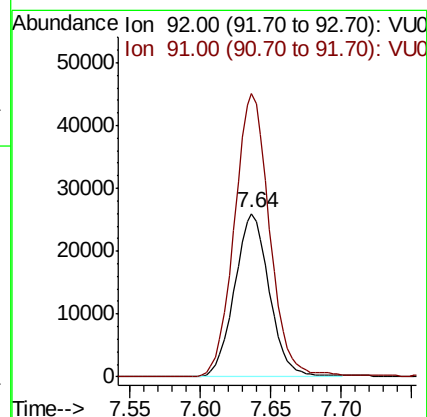
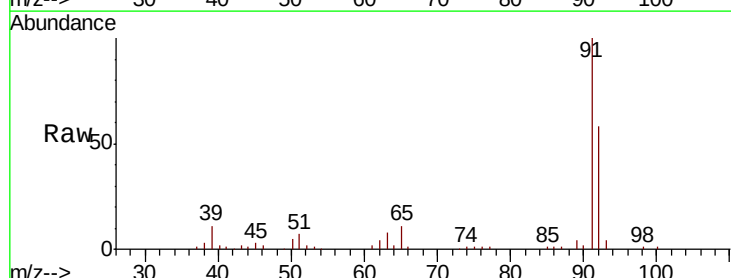
Acq: 11 Dec 2018 16:25

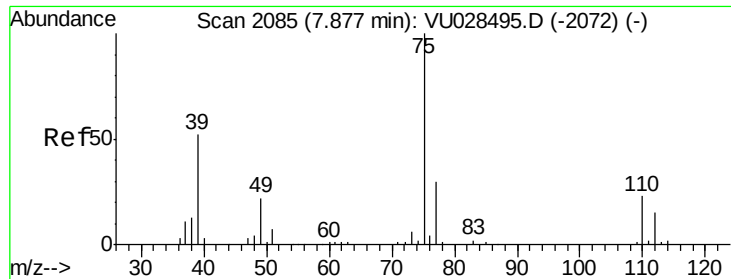
Tgt Ion: 92 Resp: 44956

Ion Ratio Lower Upper

92 100

91 175.2 140.2 210.4

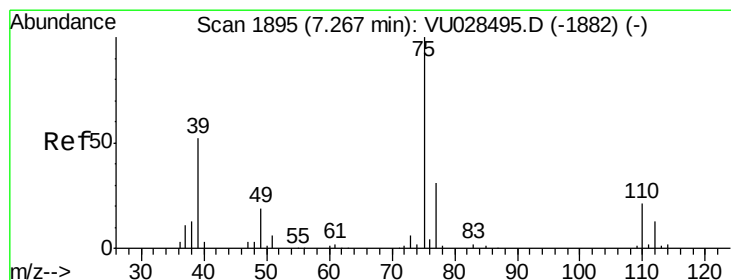
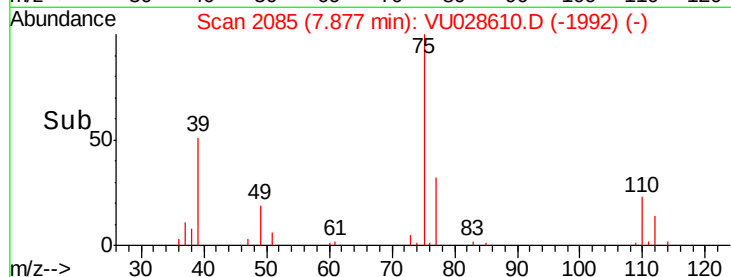
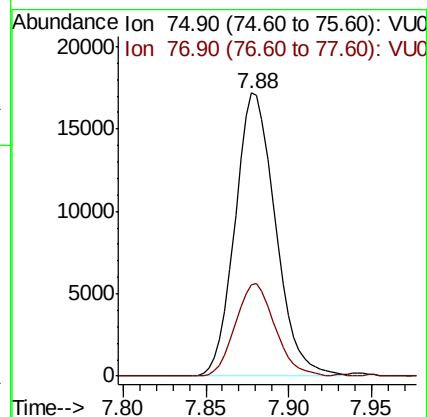
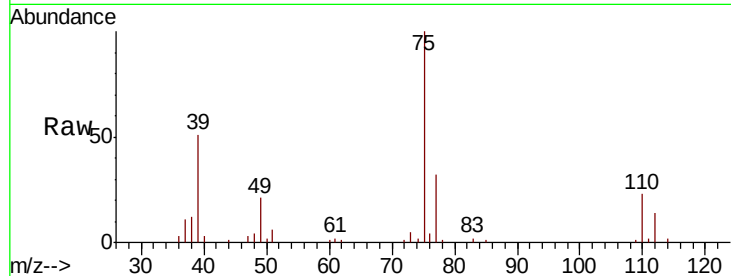




#53
t-1,3-Dichloropropene
Concen: 16.968 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

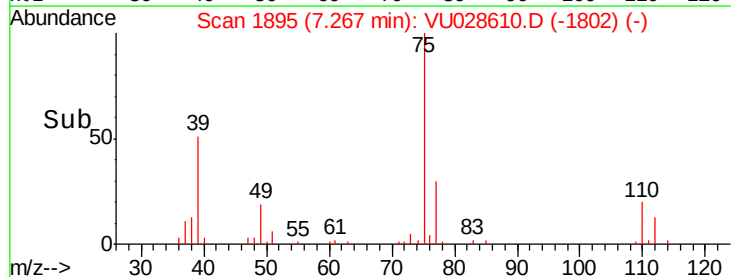
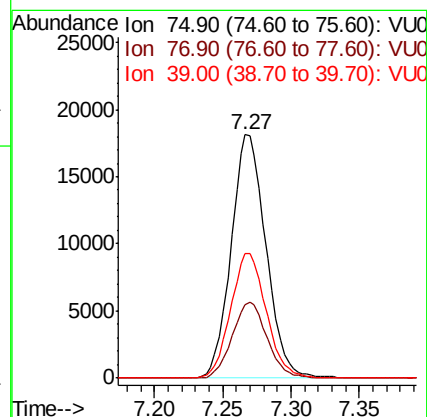
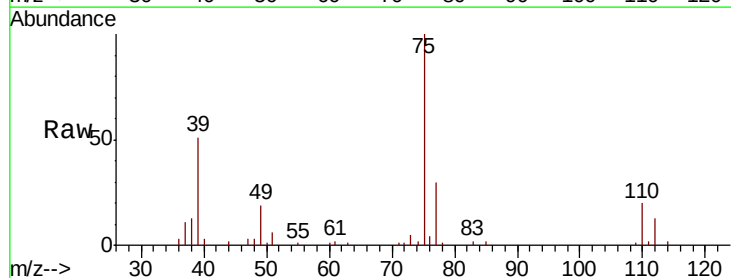
Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS01

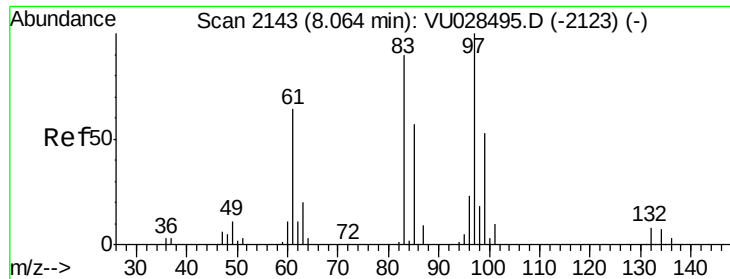
Tot Ion: 75 Resp: 29265
Ion Ratio Lower Upper
75 100
77 32.2 24.2 36.4



#54
cis-1,3-Dichloropropene
Concen: 17.188 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

Tgt Ion: 75 Resp: 32163
Ion Ratio Lower Upper
75 100
77 30.0 25.0 37.4
39 50.9 41.3 61.9

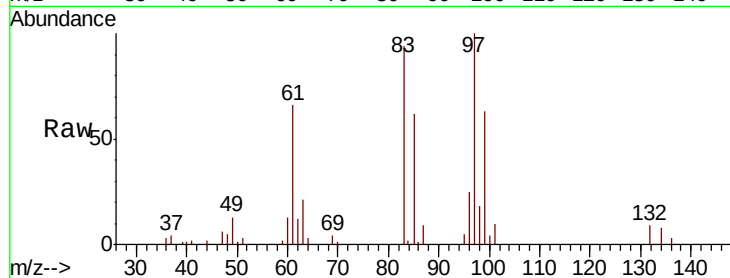




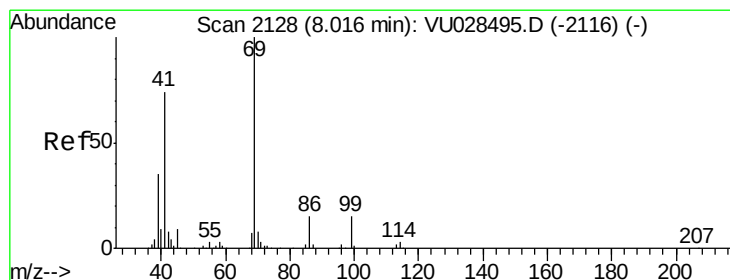
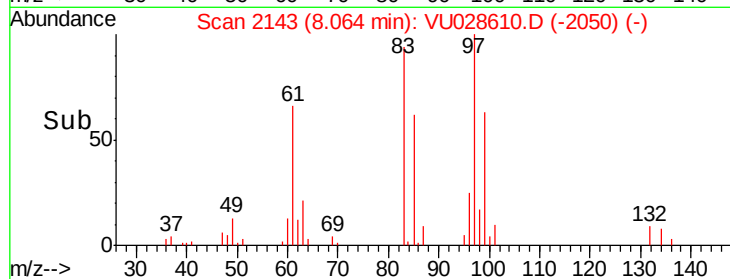
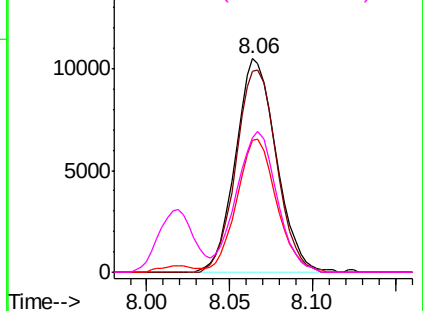
#55
 1,1,2-Trichloroethane
 Concen: 17.298 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU028610.D
 Acq: 11 Dec 2018 16:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBS01

Tot Ion: 97 Resp: 17949
 Ion Ratio Lower Upper
 97 100
 83 94.0 72.4 108.6
 85 61.5 46.0 69.0
 99 62.8 47.4 71.2

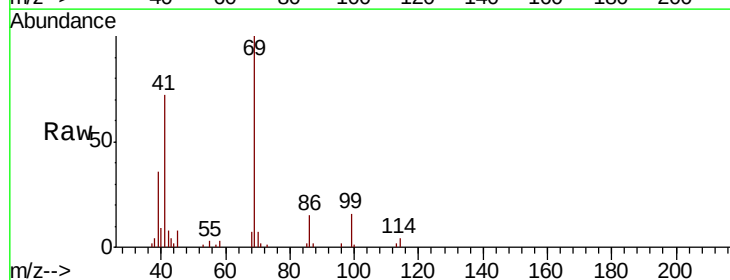


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

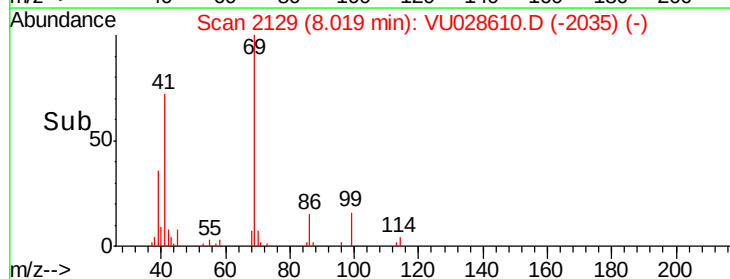
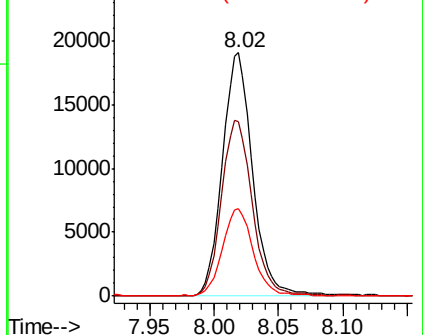


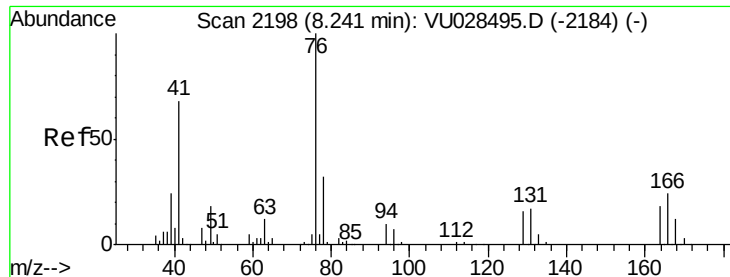
#56
 Ethyl methacrylate
 Concen: 17.500 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028610.D
 Acq: 11 Dec 2018 16:25

Tgt Ion: 69 Resp: 31096
 Ion Ratio Lower Upper
 69 100
 41 73.8 59.1 88.7
 39 36.7 28.4 42.6



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





#57

1,3-Dichloropropane

Concen: 17.259 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

Instrument :

MSVOA_U

ClientSampleId :

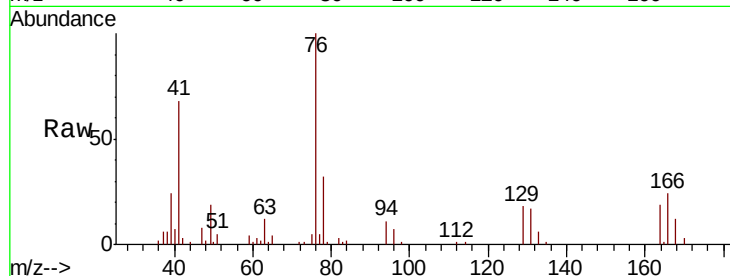
VU1213WBS01

Tot Ion: 76 Resp: 33244

Ion Ratio Lower Upper

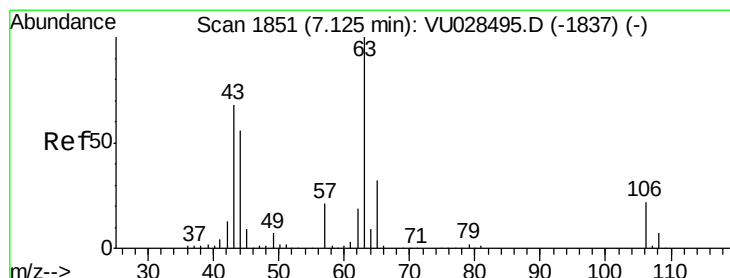
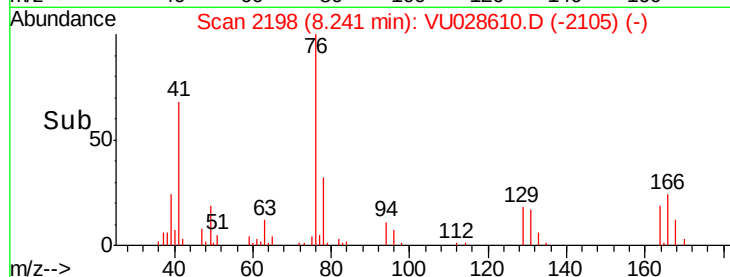
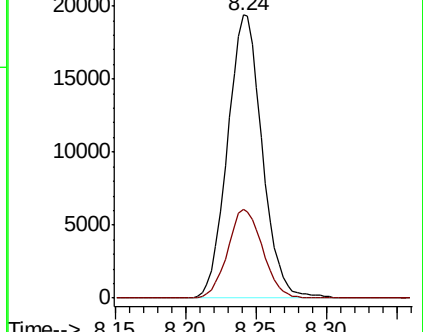
76 100

78 31.6 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU028495.D (-2184) (-)

Ion 77.90 (77.60 to 78.60): VU028610.D (-2105) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 81.099 ug/l

RT: 7.13 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VU028610.D

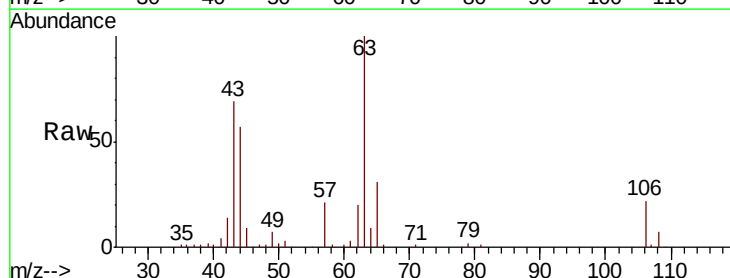
Acq: 11 Dec 2018 16:25

Tgt Ion: 63 Resp: 73812

Ion Ratio Lower Upper

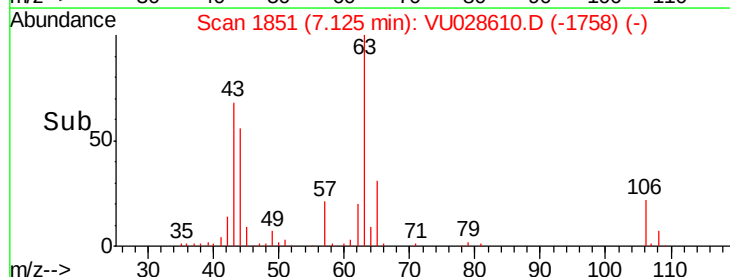
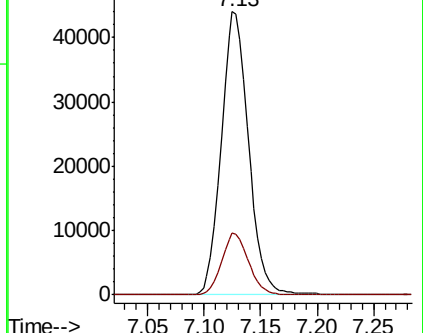
63 100

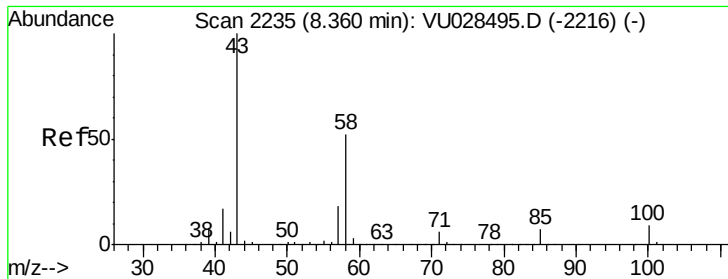
106 21.5 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU028495.D (-1837) (-)

Ion 105.90 (105.60 to 106.60): VU028610.D (-1758) (-)

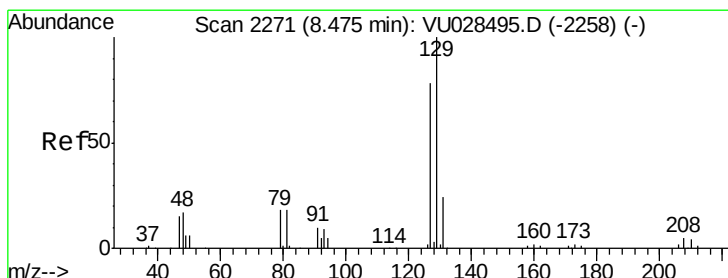
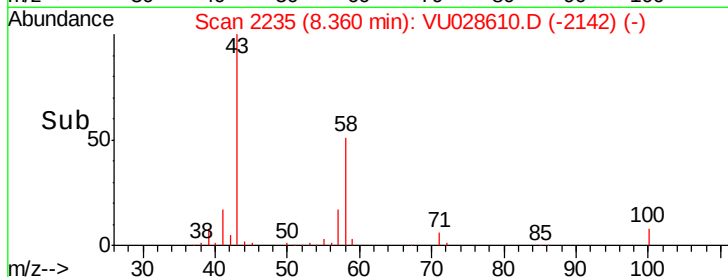
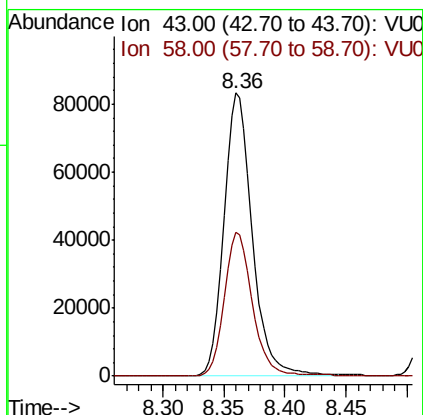
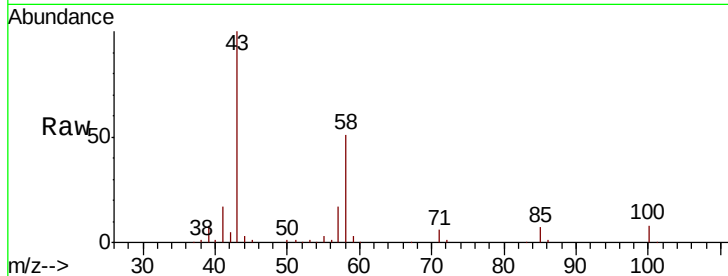




#59
2-Hexanone
Concen: 87.882 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

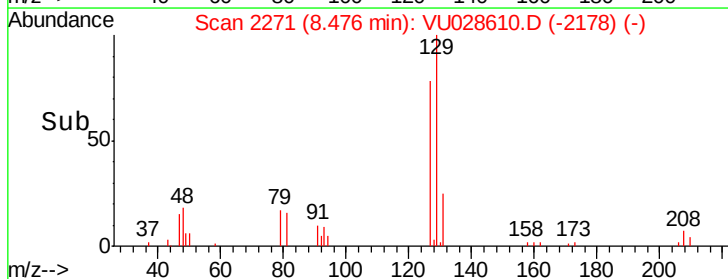
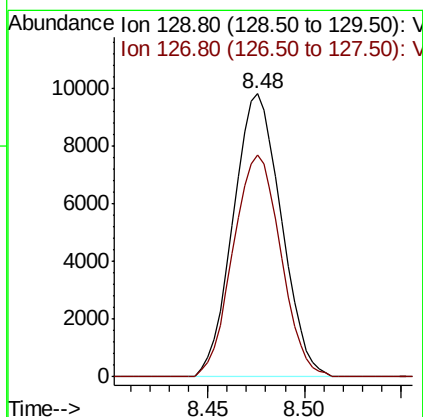
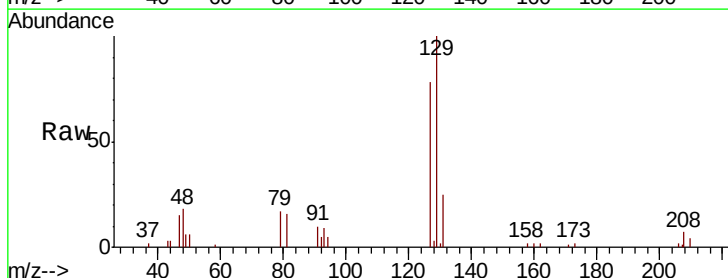
Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS01

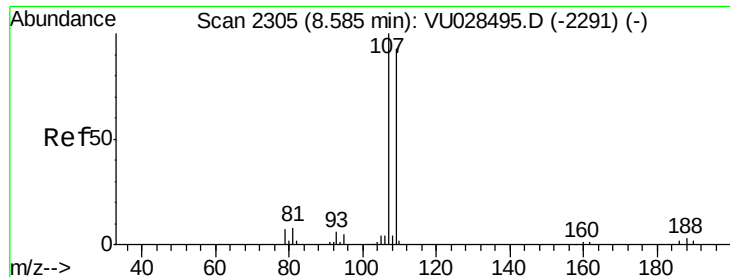
Tot Ion: 43 Resp: 136040
Ion Ratio Lower Upper
43 100
58 50.6 25.9 77.6



#60
Dibromochloromethane
Concen: 16.656 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

Tgt Ion:129 Resp: 16921
Ion Ratio Lower Upper
129 100
127 77.9 39.1 117.3





#61

1,2-Dibromoethane

Concen: 17.579 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

Instrument :

MSVOA_U

ClientSampleId :

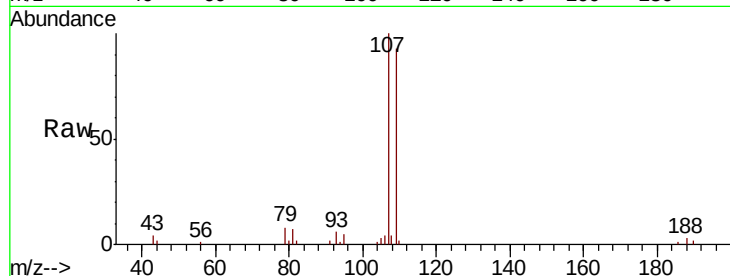
VU1213WBS01

Tot Ion:107 Resp: 19129

Ion Ratio Lower Upper

107 100

109 93.8 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

12000

10000

8000

6000

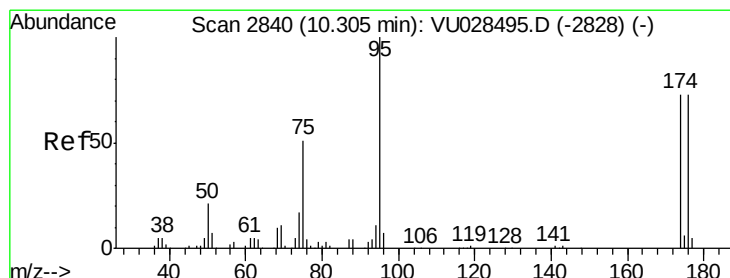
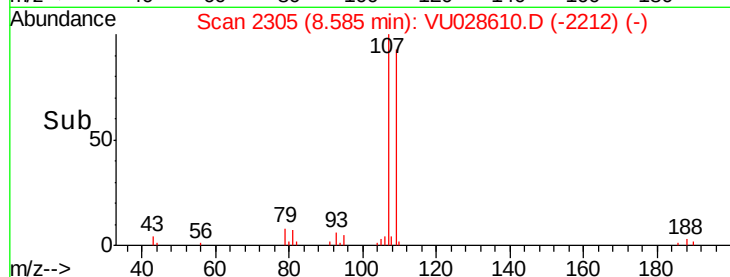
4000

2000

0

8.55 8.60 8.65

Time-->



#62

4-Bromofluorobenzene

Concen: 45.376 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

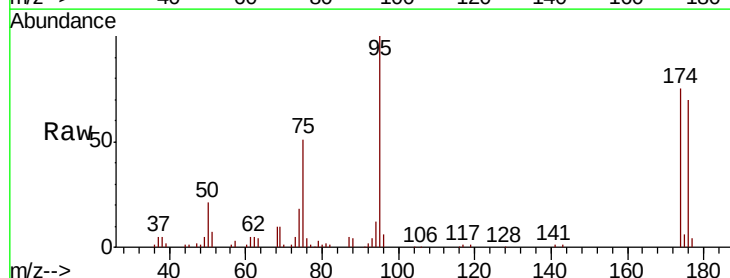
Tgt Ion: 95 Resp: 58431

Ion Ratio Lower Upper

95 100

174 74.2 0.0 150.4

176 72.1 0.0 145.2



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

10.31

50000

40000

30000

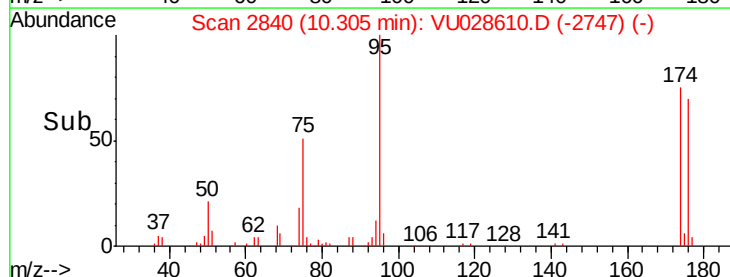
20000

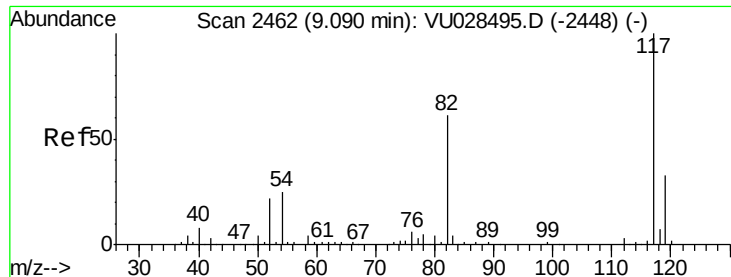
10000

0

10.25 10.30 10.35 10.40

Time-->

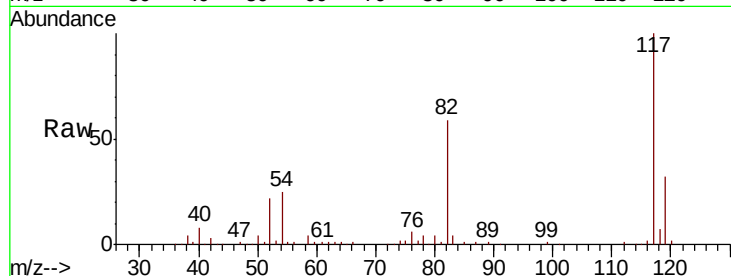




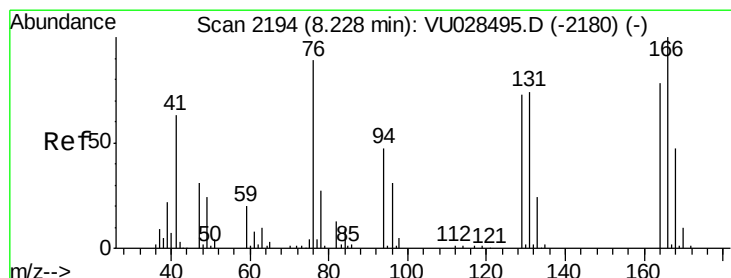
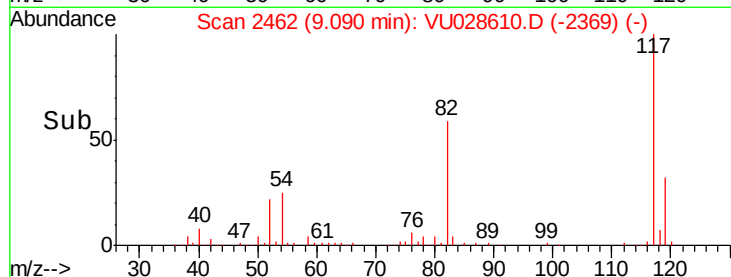
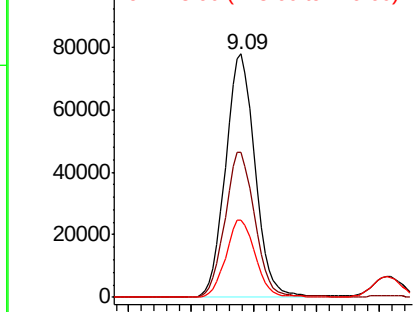
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS01

Tot Ion:117 Resp: 127384
Ion Ratio Lower Upper
117 100
82 59.3 48.9 73.3
119 32.0 26.2 39.4

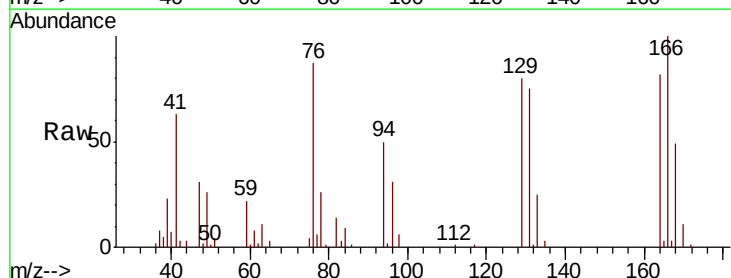


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

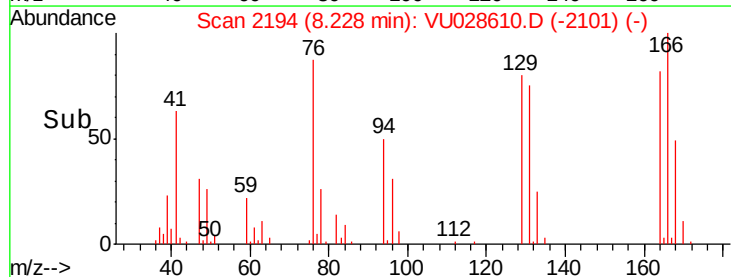
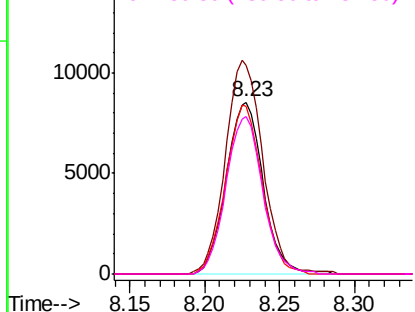


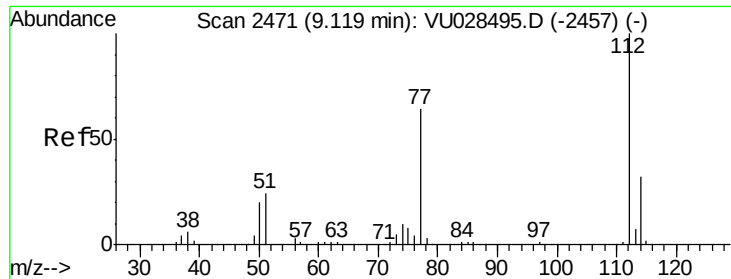
#64
Tetrachloroethene
Concen: 17.242 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

Tgt Ion:164 Resp: 14650
Ion Ratio Lower Upper
164 100
166 121.9 101.9 152.9
129 97.9 74.9 112.3
131 91.9 75.4 113.0



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

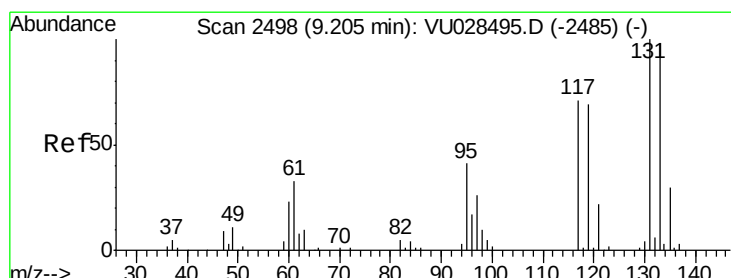
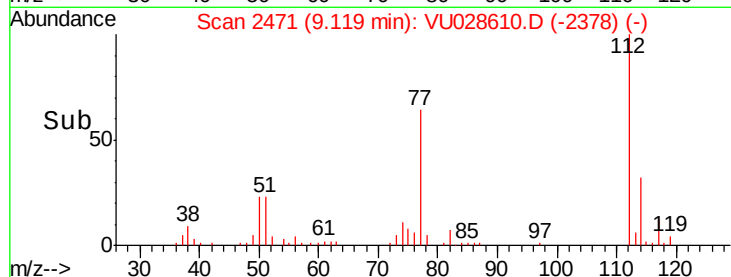
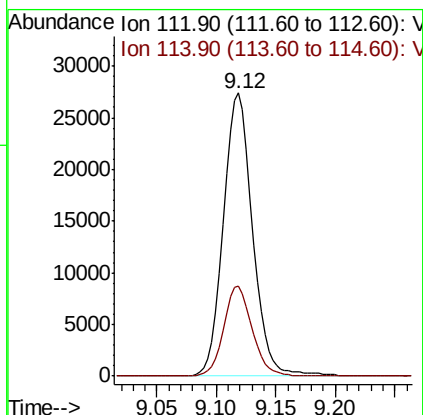
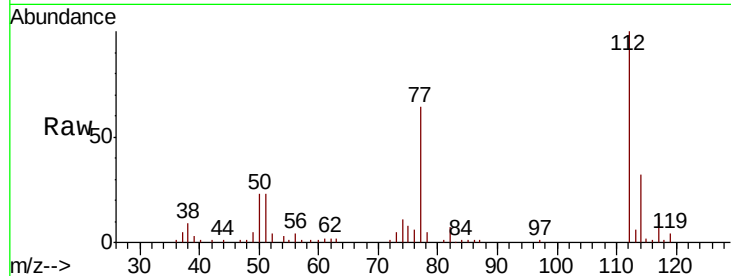




#65
Chlorobenzene
Concen: 17.188 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

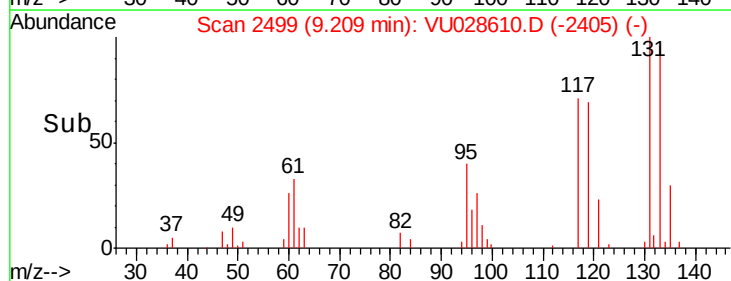
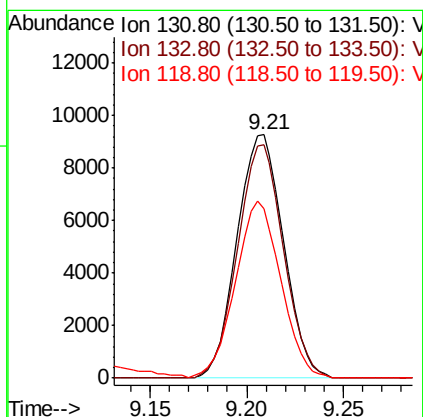
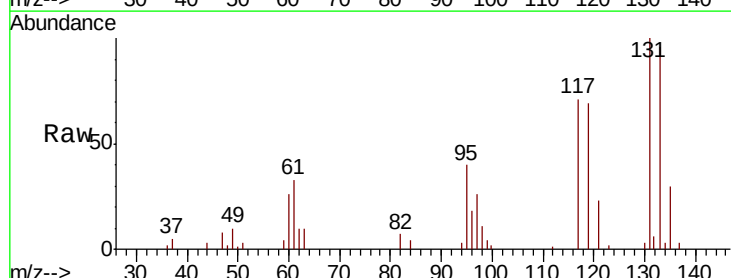
Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS01

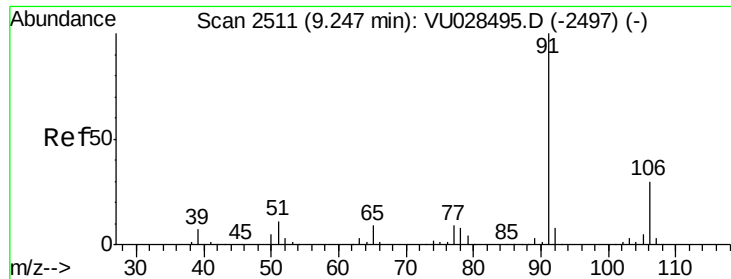
Tot Ion:112 Resp: 46655
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 17.904 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

Tgt Ion:131 Resp: 15519
Ion Ratio Lower Upper
131 100
133 94.8 48.0 144.0
119 70.6 34.6 103.9

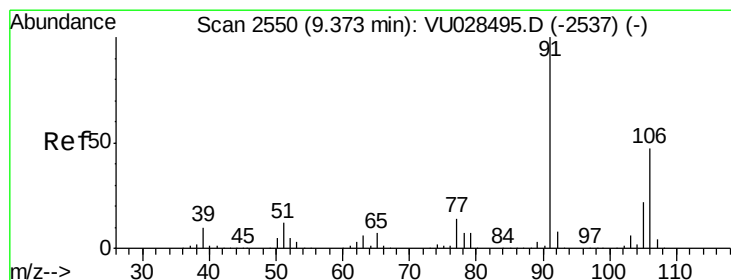
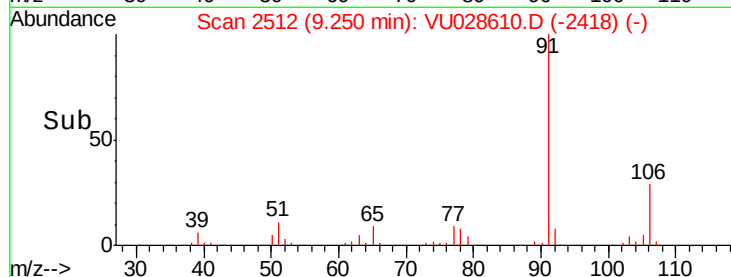
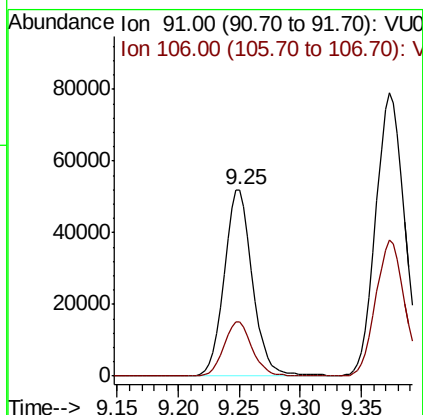
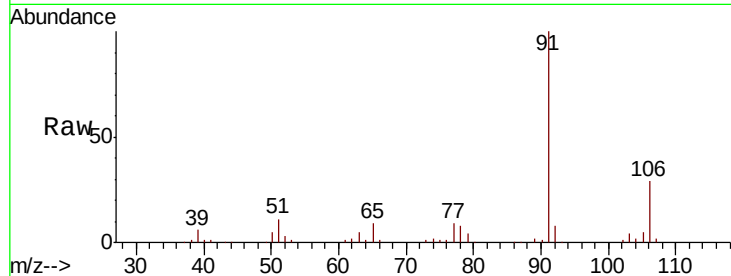




#67
Ethyl Benzene
Concen: 16.993 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

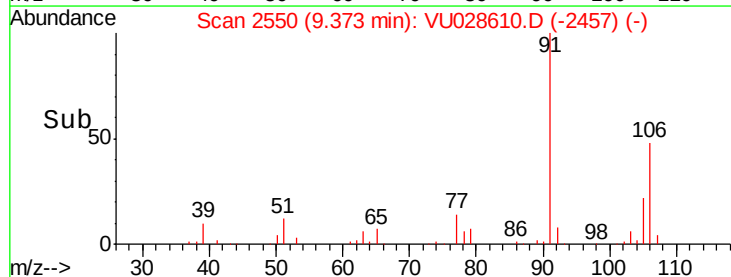
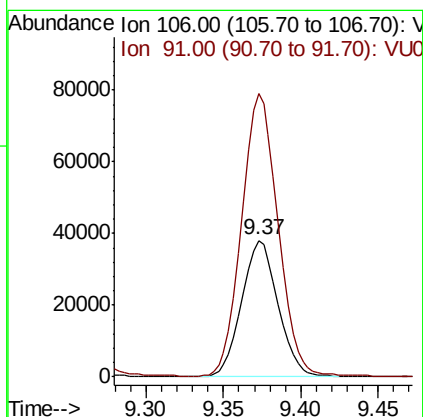
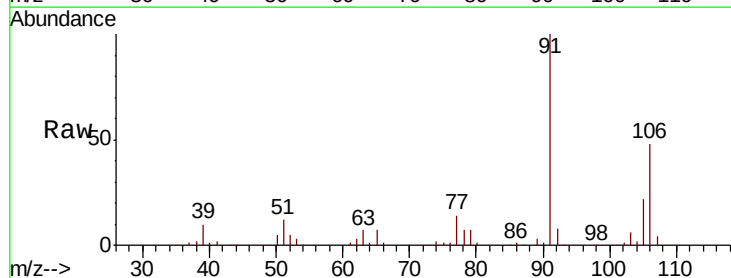
Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS01

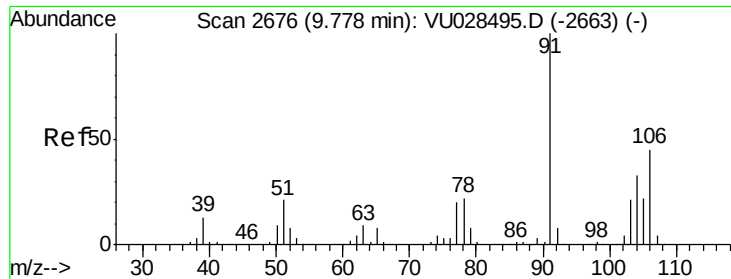
Tot Ion: 91 Resp: 84794
Ion Ratio Lower Upper
91 100
106 29.2 24.1 36.1



#68
m/p-Xylenes
Concen: 34.399 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

Tgt Ion: 106 Resp: 62459
Ion Ratio Lower Upper
106 100
91 207.2 167.4 251.0

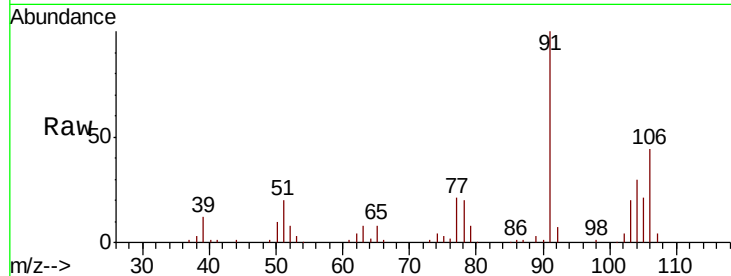




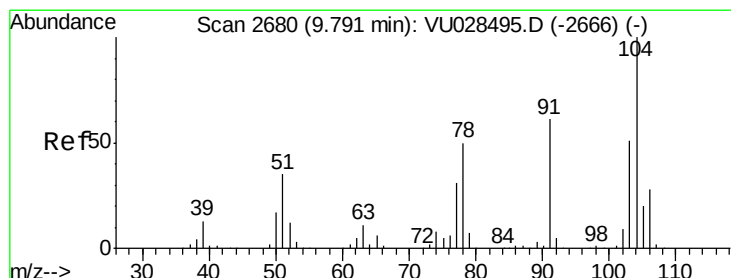
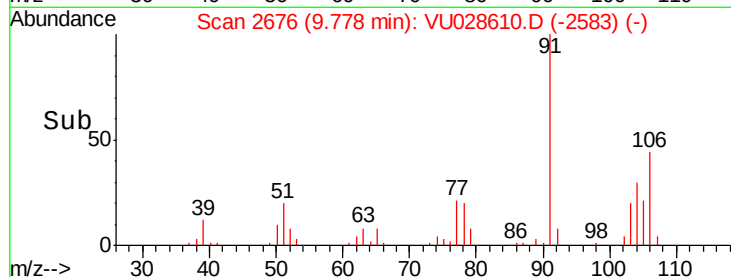
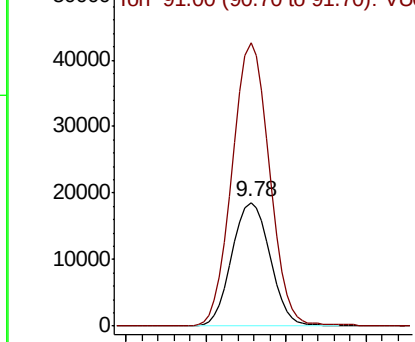
#69
o-Xylene
Concen: 17.160 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS01

Tot Ion:106 Resp: 30279
Ion Ratio Lower Upper
106 100
91 223.9 111.3 334.0

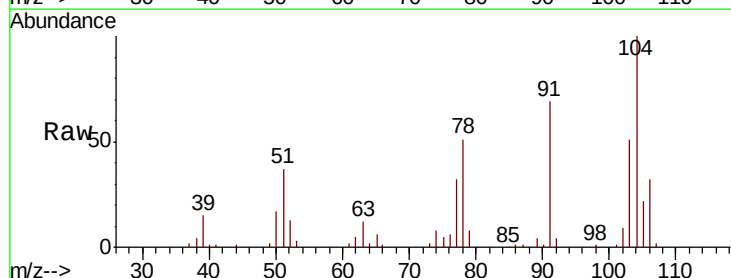


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

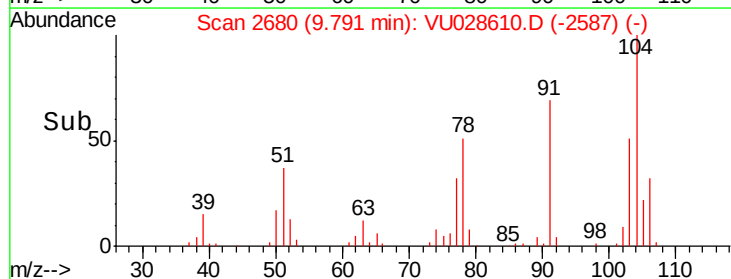
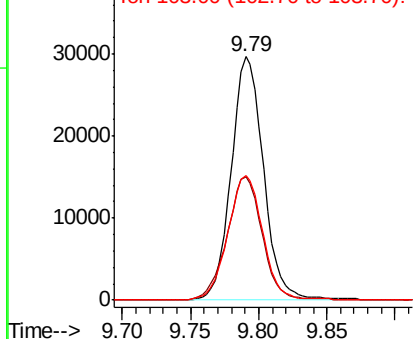


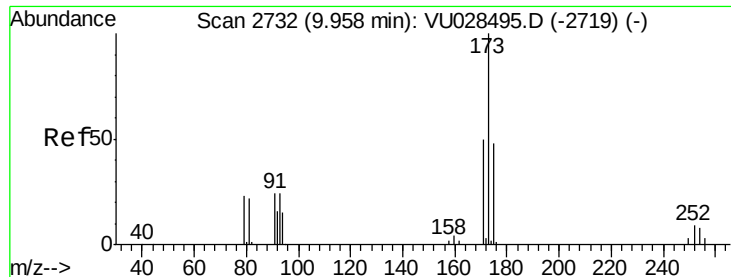
#70
Styrene
Concen: 16.706 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

Tgt Ion:104 Resp: 48784
Ion Ratio Lower Upper
104 100
78 55.0 43.0 64.6
103 55.4 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.619 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

Instrument :

MSVOA_U

ClientSampleId :

VU1213WBS01

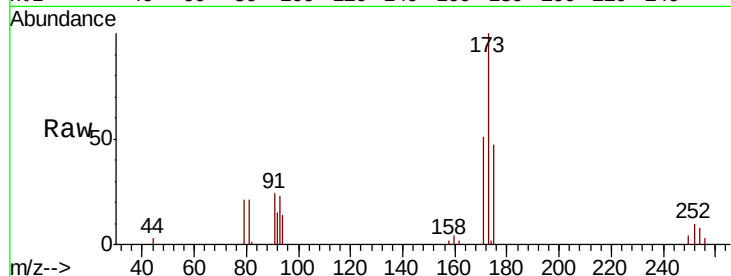
Tot Ion:173 Resp: 12992

Ion Ratio Lower Upper

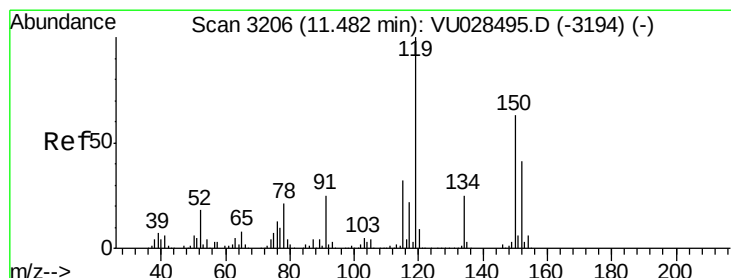
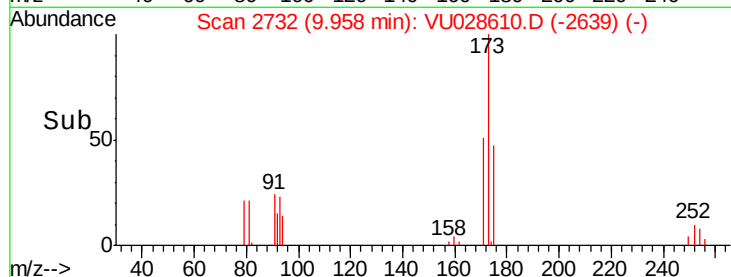
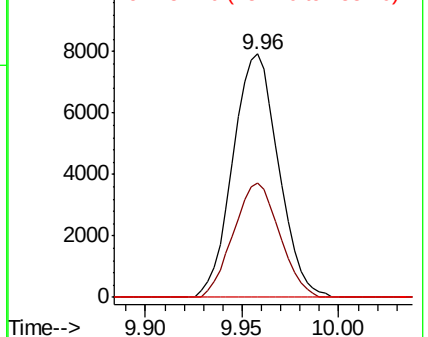
173 100

175 47.4 23.9 71.8

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: VU028610.D

Acq: 11 Dec 2018 16:25

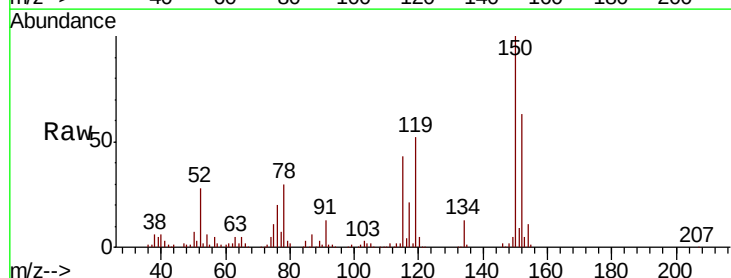
Tgt Ion:152 Resp: 58876

Ion Ratio Lower Upper

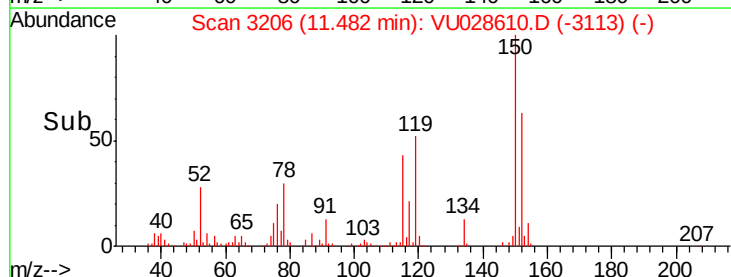
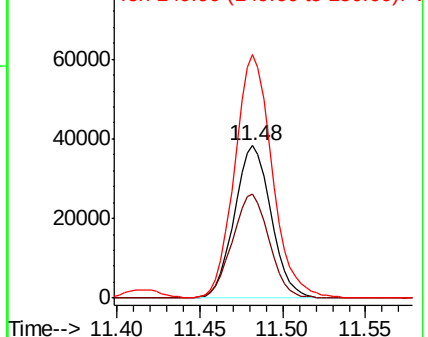
152 100

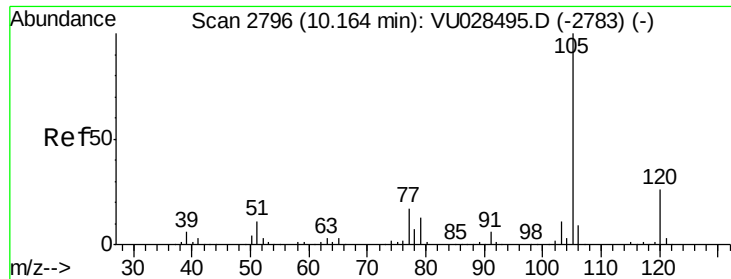
115 68.6 42.7 128.1

150 163.9 0.0 346.0



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: 17.642 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

Instrument :

MSVOA_U

ClientSampleId :

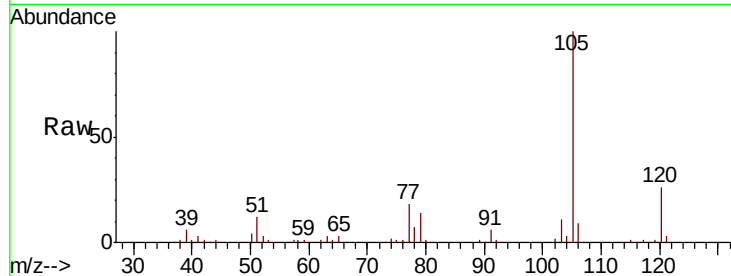
VU1213WBS01

Tot Ion:105 Resp: 79704

Ion Ratio Lower Upper

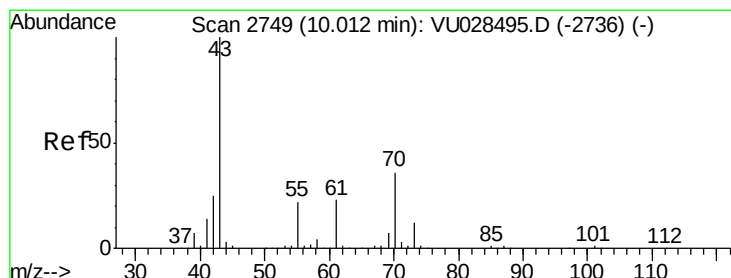
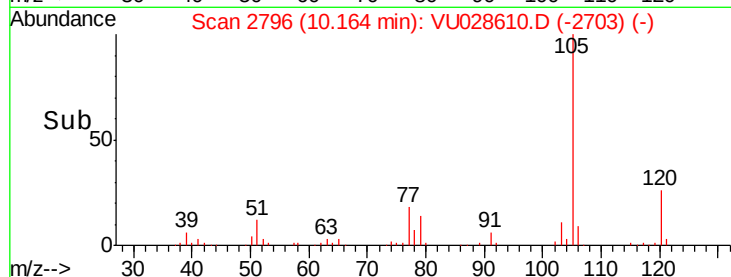
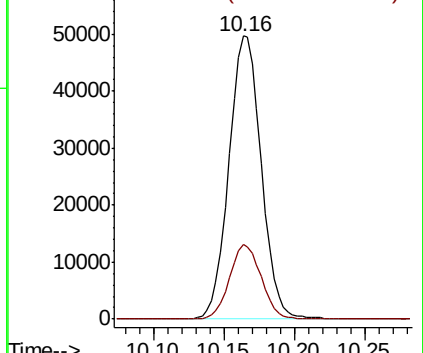
105 100

120 25.9 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.947 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

Tgt Ion: 43 Resp: 46770

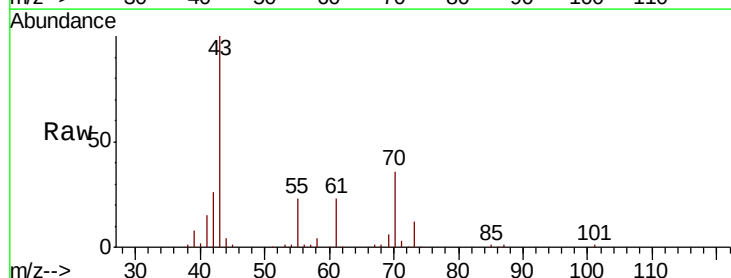
Ion Ratio Lower Upper

43 100

70 36.1 29.3 43.9

55 22.7 18.0 27.0

61 22.7 18.3 27.5

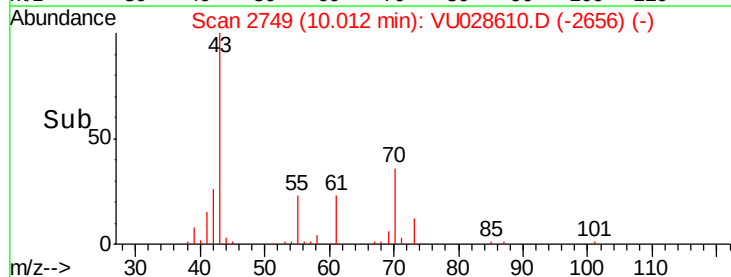
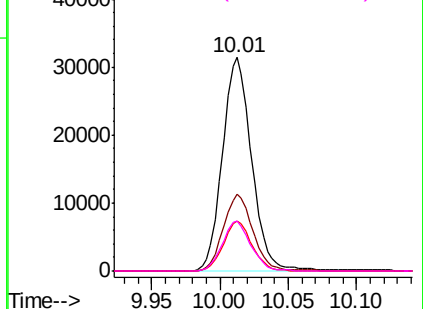


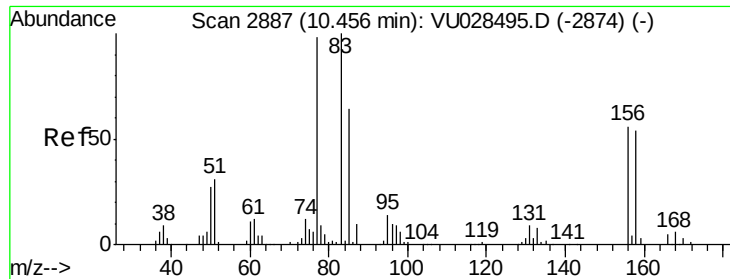
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 18.944 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

Instrument :

MSVOA_U

ClientSampleId :

VU1213WBS01

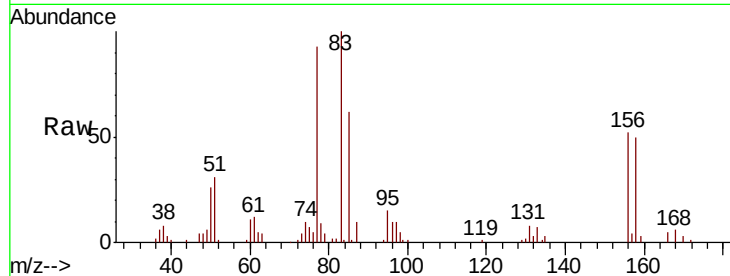
Tot Ion: 83 Resp: 32876

Ion Ratio Lower Upper

83 100

131 8.1 4.2 12.4

85 64.0 31.8 95.4

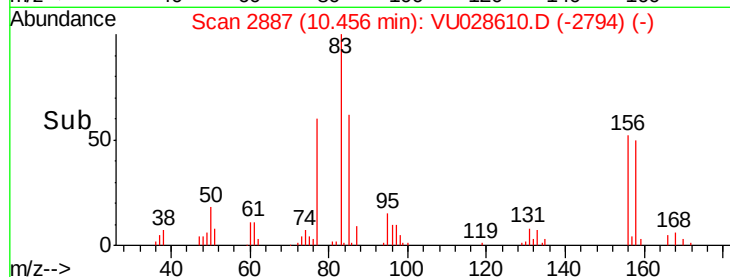


Abundance Ion 82.90 (82.60 to 83.60): VU028610.D (-2794) (-)

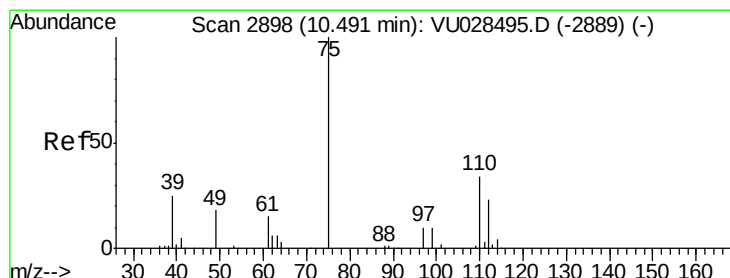
Ion 130.80 (130.50 to 131.50): VU028610.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU028610.D (-2794) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 25.410 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU028610.D

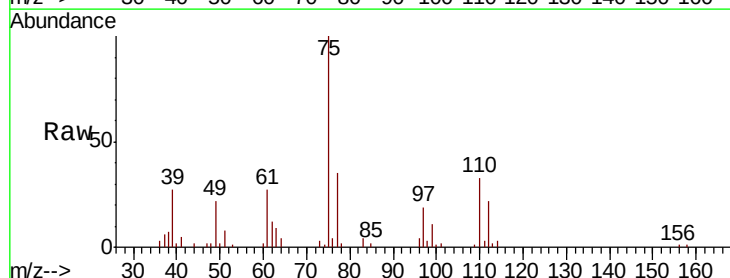
Acq: 11 Dec 2018 16:25

Tgt Ion: 75 Resp: 38201

Ion Ratio Lower Upper

75 100

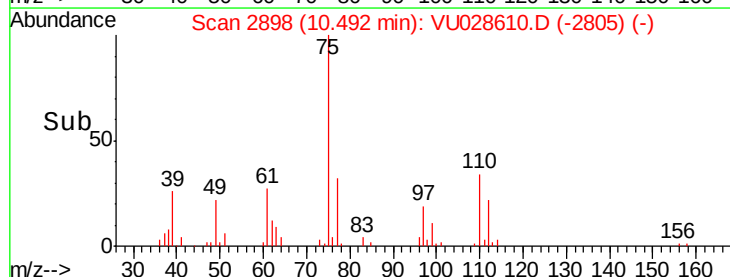
77 31.5 20.8 62.4



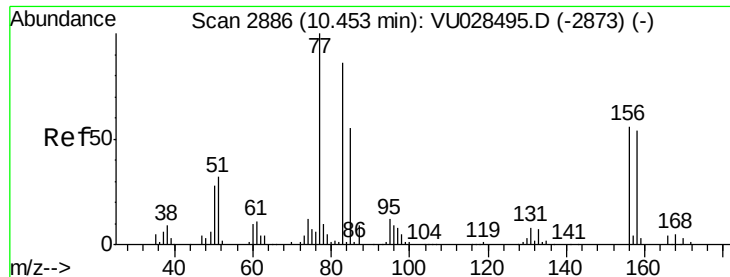
Abundance Ion 74.90 (74.60 to 75.60): VU028610.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU028610.D (-2805) (-)

Time-->



Time-->



#77

Bromobenzene

Concen: 18.192 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

Instrument :

MSVOA_U

ClientSampleId :

VU1213WBS01

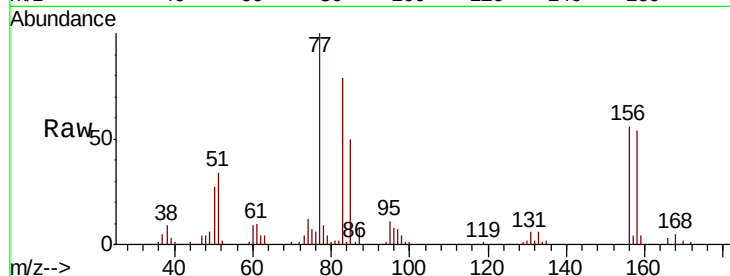
Tot Ion:156 Resp: 19221

Ion Ratio Lower Upper

156 100

77 182.7 92.4 277.2

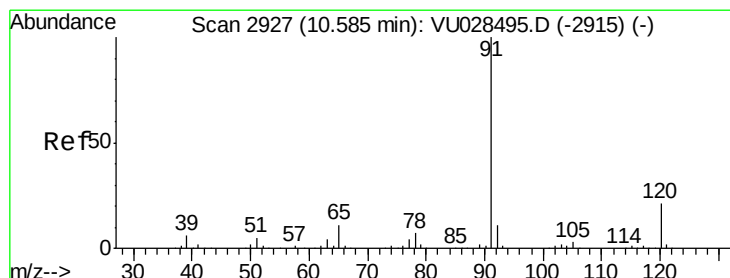
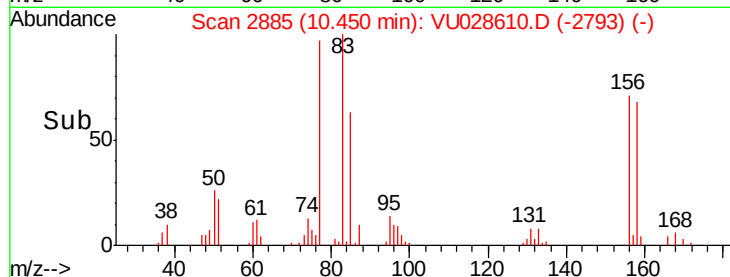
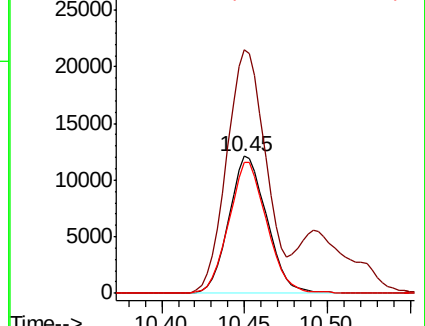
158 96.2 48.4 145.3



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: 17.606 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU028610.D

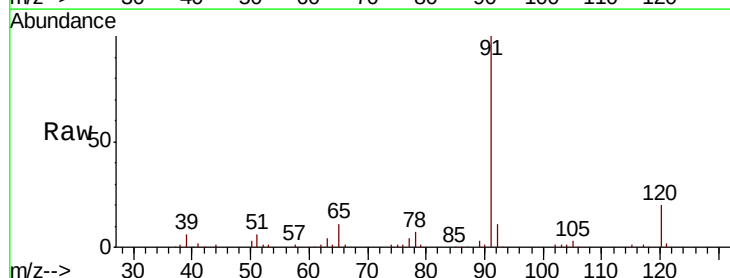
Acq: 11 Dec 2018 16:25

Tgt Ion: 91 Resp: 98836

Ion Ratio Lower Upper

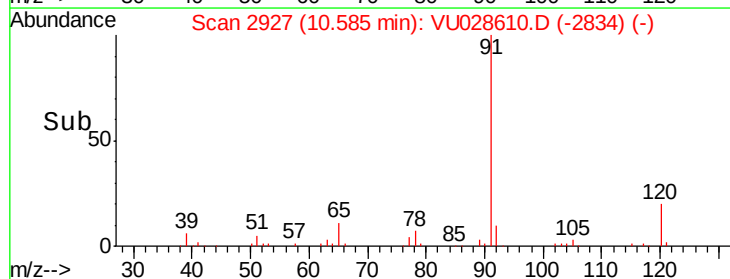
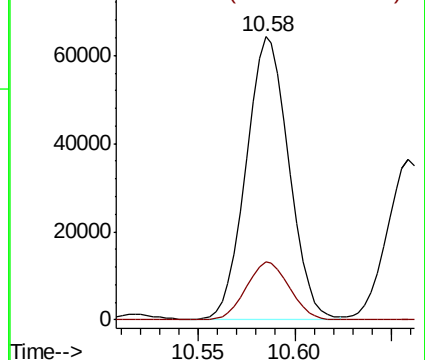
91 100

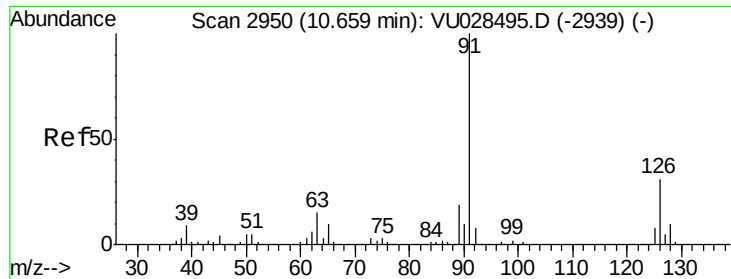
120 20.7 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

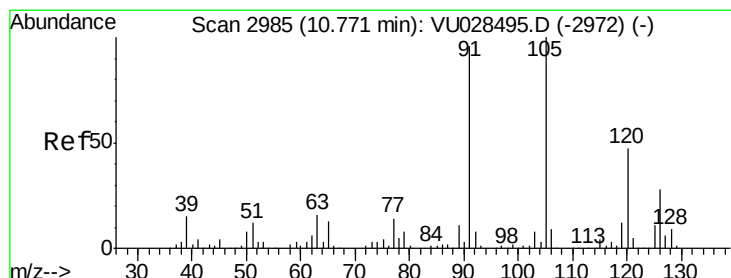
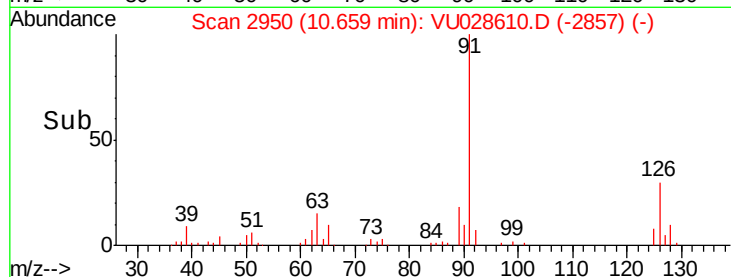
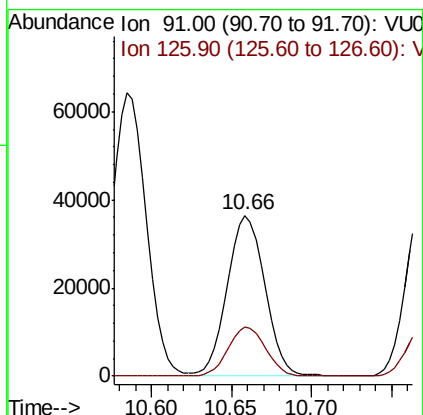
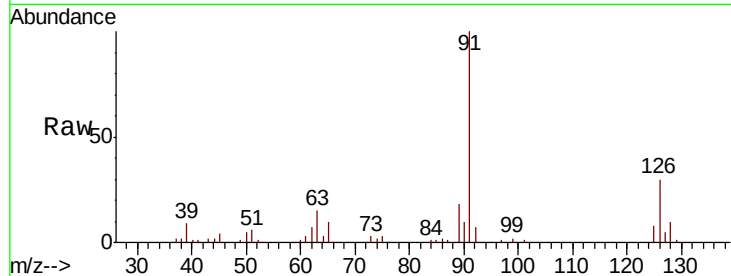




#79
 2-Chlorotoluene
 Concen: 18.013 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU028610.D
 Acq: 11 Dec 2018 16:25

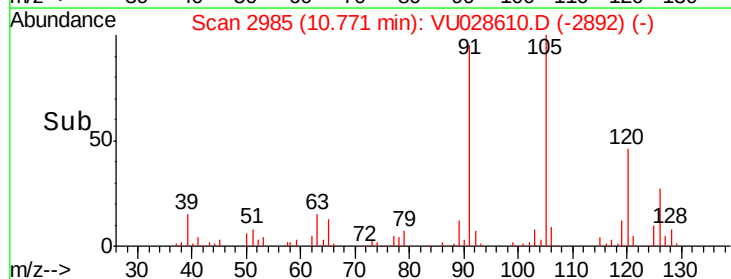
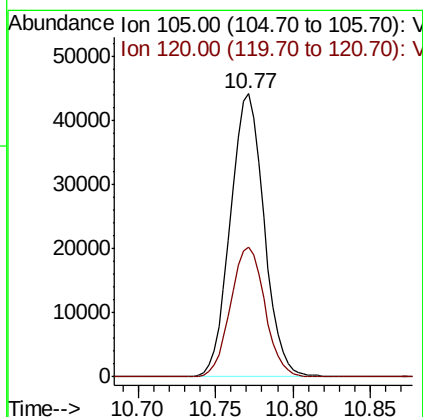
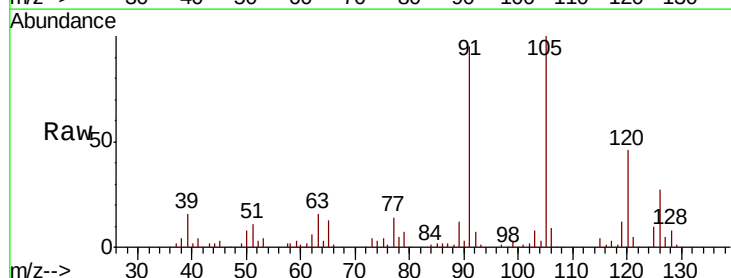
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBS01

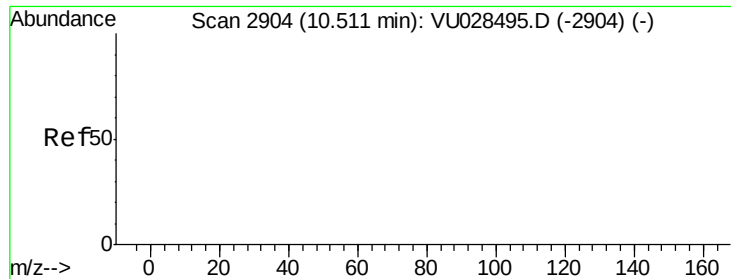
Tot Ion: 91 Resp: 58247
 Ion Ratio Lower Upper
 91 100
 126 30.5 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 17.863 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU028610.D
 Acq: 11 Dec 2018 16:25

Tgt Ion: 105 Resp: 66802
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 62.343 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

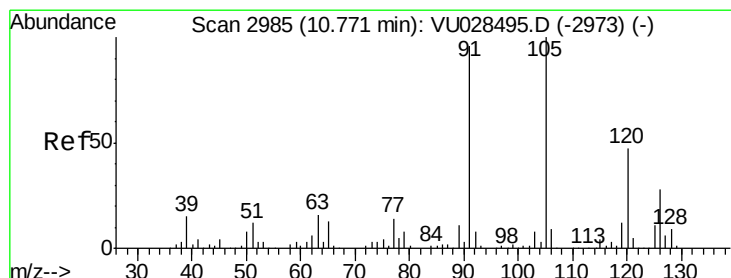
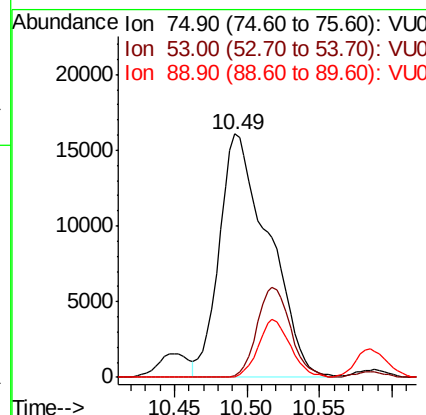
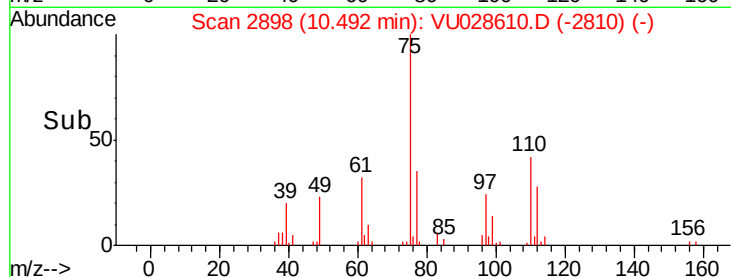
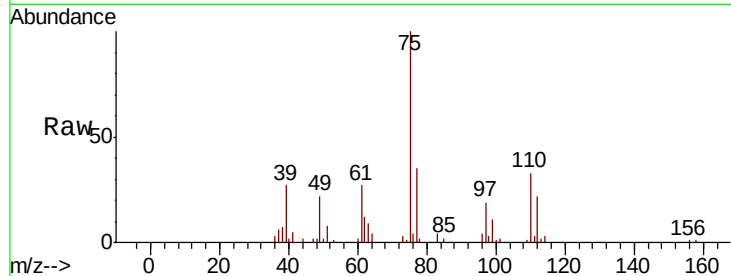
Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS01

Tot Ion: 75 Resp: 38201

Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0



#82

4-Chlorotoluene

Concen: 17.207 ug/l

RT: 10.77 min Scan# 2985

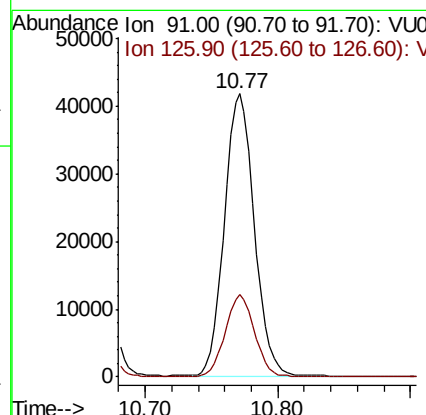
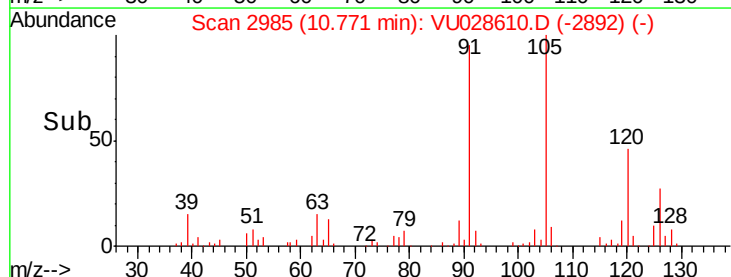
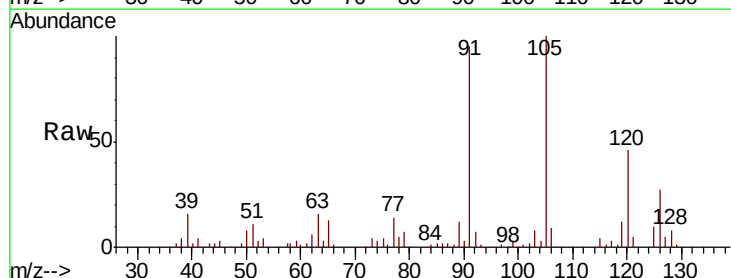
Delta R.T. 0.00 min

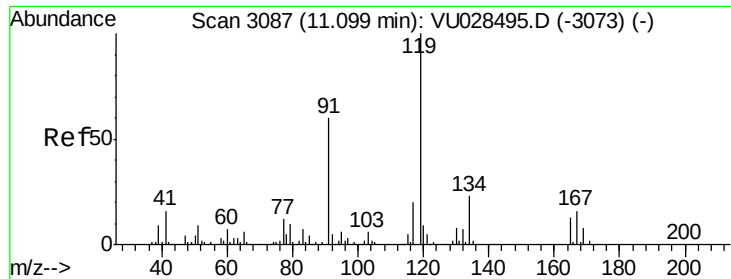
Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

Tgt Ion: 91 Resp: 65937

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.3

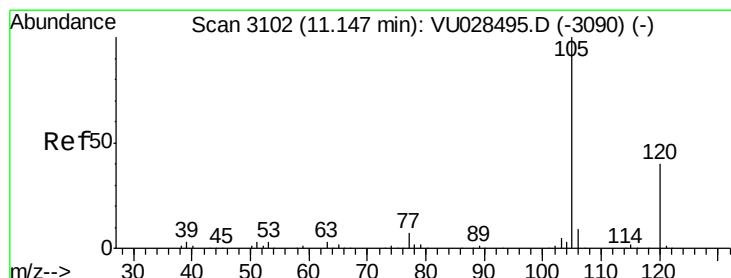
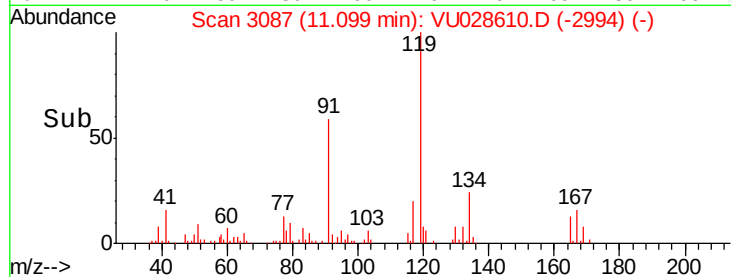
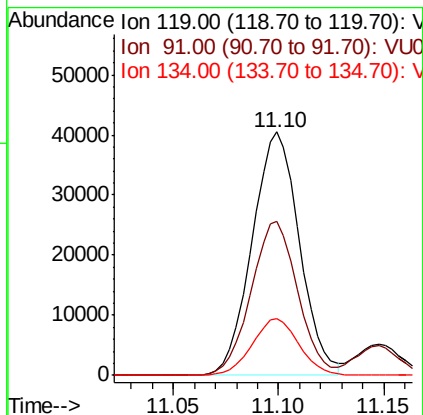
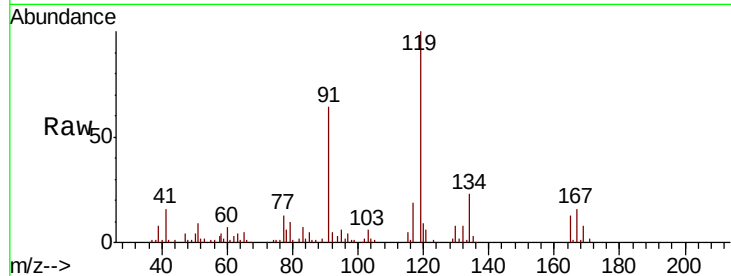




#83
 tert-Butylbenzene
 Concen: 17.547 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU028610.D
 Acq: 11 Dec 2018 16:25

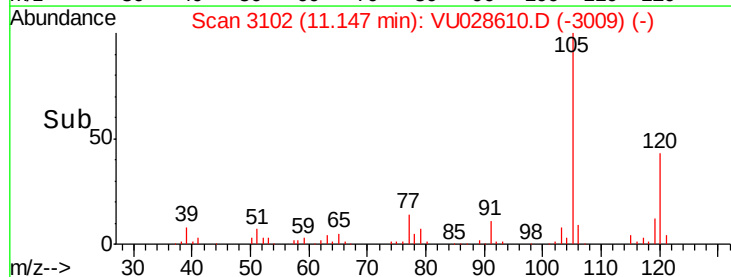
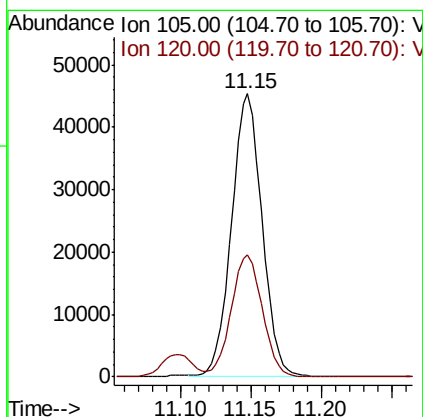
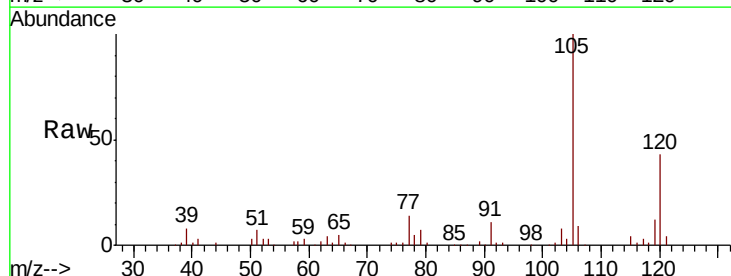
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBS01

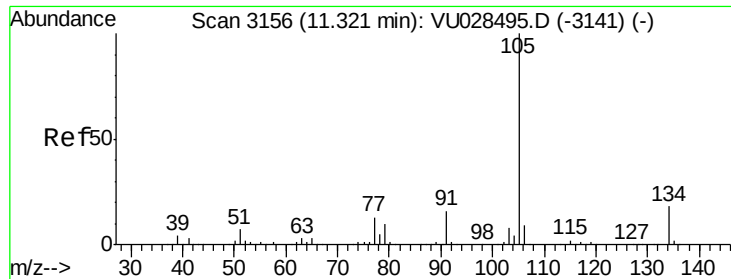
Tot Ion:119 Resp: 63250
 Ion Ratio Lower Upper
 119 100
 91 62.5 30.3 91.0
 134 23.0 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 17.880 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028610.D
 Acq: 11 Dec 2018 16:25

Tgt Ion:105 Resp: 68912
 Ion Ratio Lower Upper
 105 100
 120 43.7 21.8 65.4





#85

sec-Butylbenzene

Concen: 17.433 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

Instrument :

MSVOA_U

ClientSampleId :

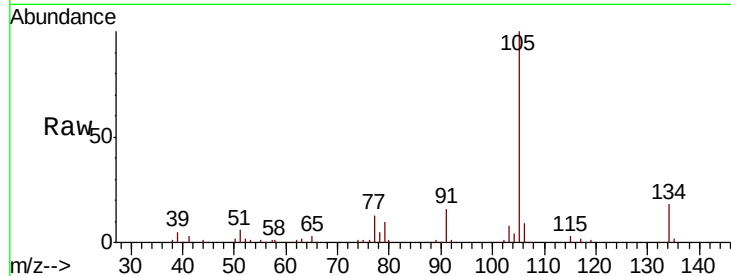
VU1213WBS01

Tot Ion:105 Resp: 80725

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

60000

50000

40000

30000

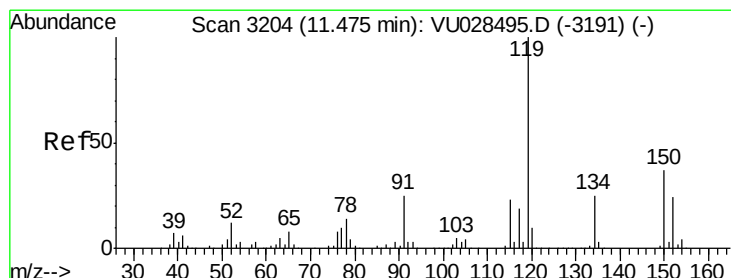
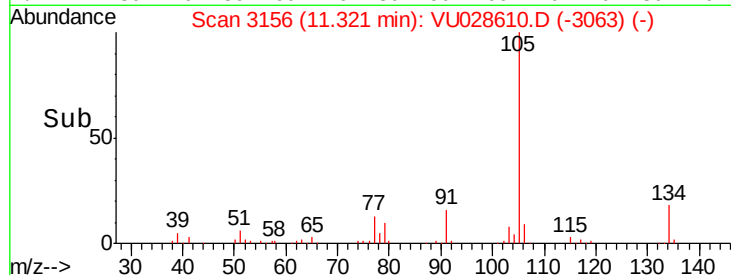
20000

10000

0

Time-->

11.25 11.30 11.35 11.40



#86

p-Isopropyltoluene

Concen: 17.069 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

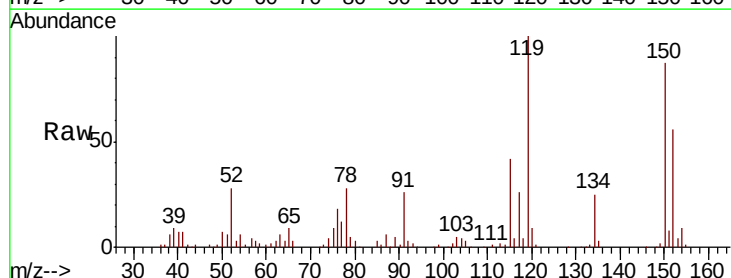
Tgt Ion:119 Resp: 67143

Ion Ratio Lower Upper

119 100

134 25.2 12.7 38.1

91 25.9 12.6 37.6



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

11.47

60000

50000

40000

30000

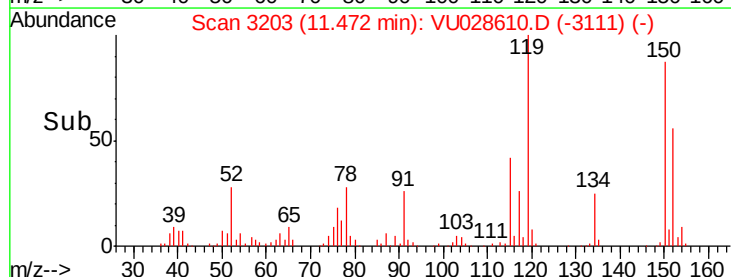
20000

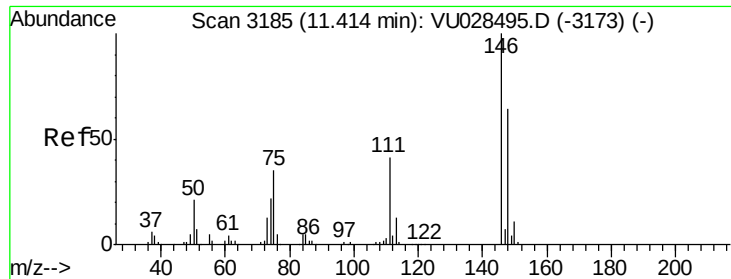
10000

0

Time-->

11.40 11.45 11.50 11.55

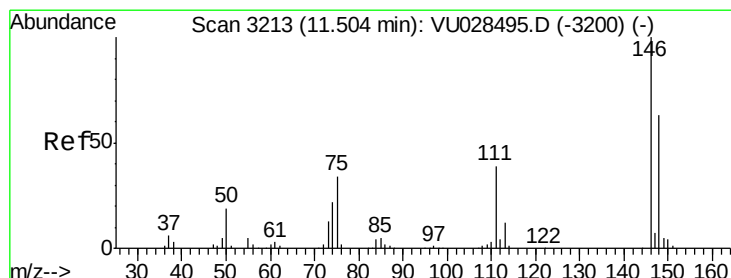
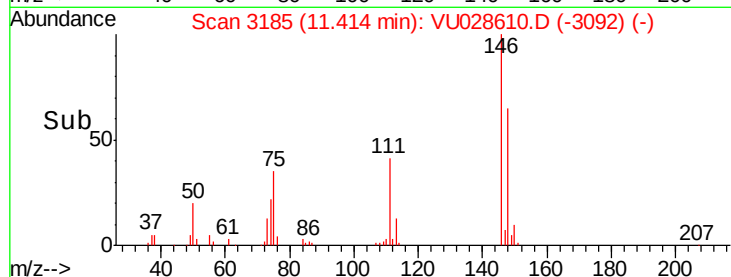
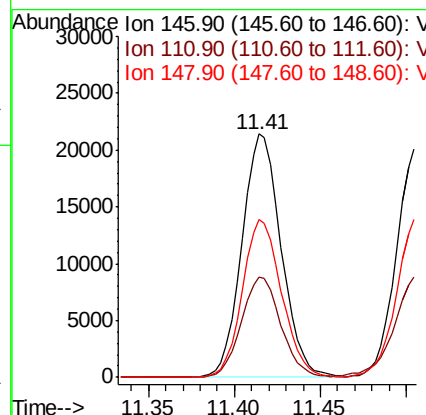
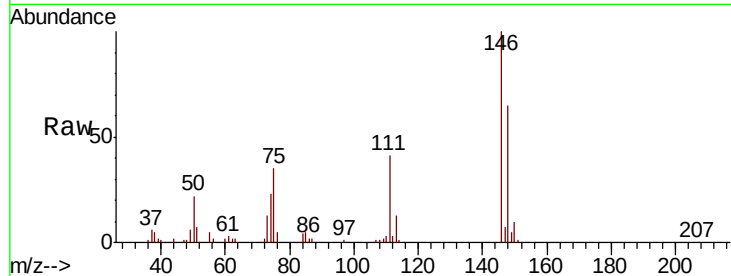




#87
 1,3-Dichlorobenzene
 Concen: 17.025 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU028610.D
 Acq: 11 Dec 2018 16:25

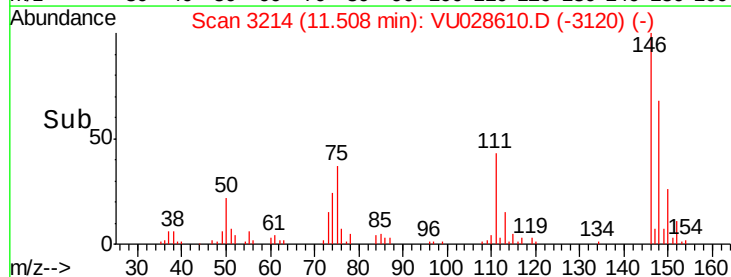
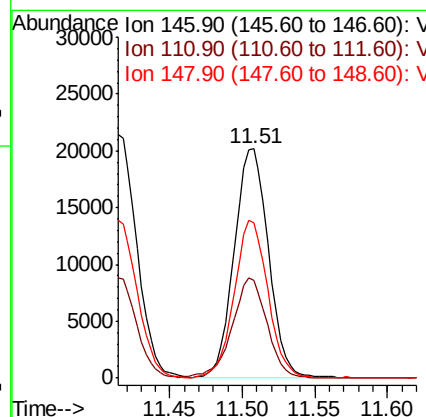
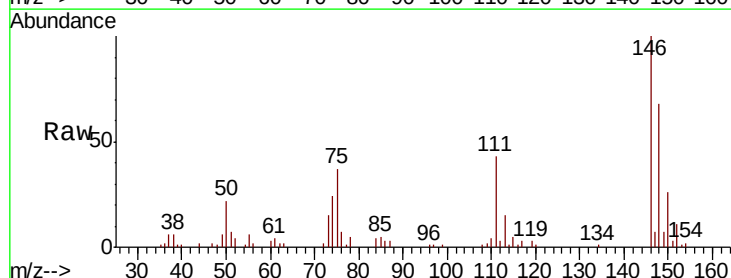
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBS01

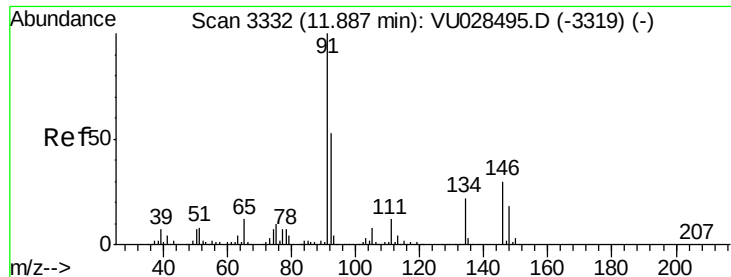
Tot Ion:146 Resp: 33967
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.7 62.1
 148 64.5 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 16.124 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028610.D
 Acq: 11 Dec 2018 16:25

Tgt Ion:146 Resp: 33282
 Ion Ratio Lower Upper
 146 100
 111 44.2 20.2 60.5
 148 67.4 31.6 95.0

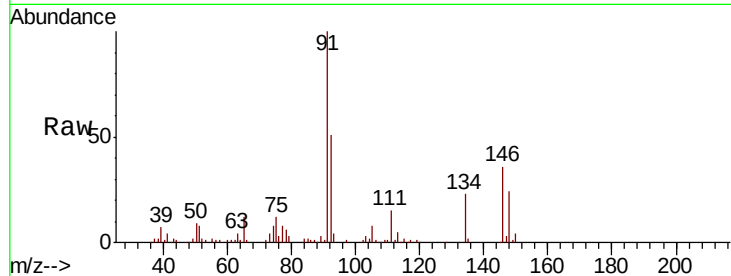




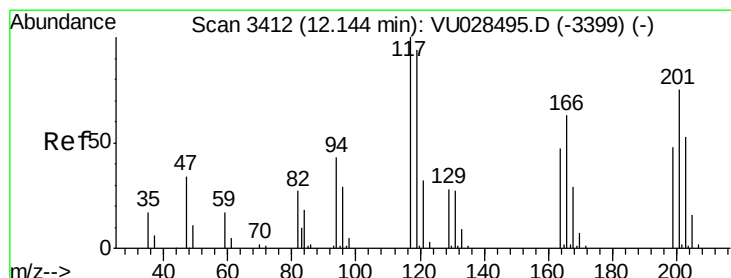
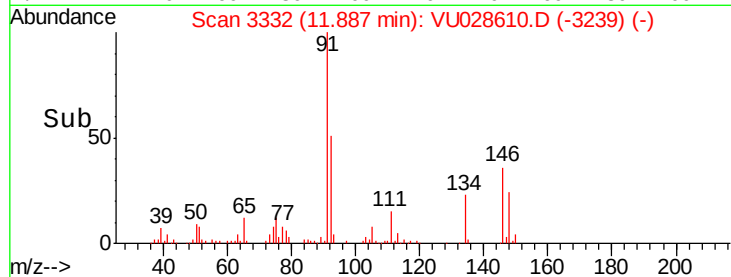
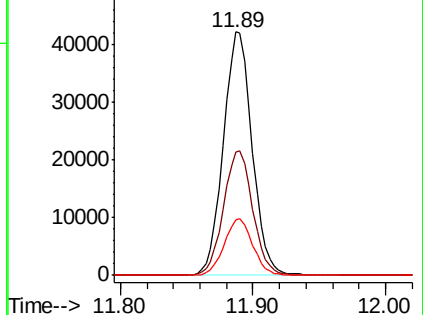
#89
n-Butylbenzene
Concen: 15.968 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBS01

Tot Ion: 91 Resp: 63567
Ion Ratio Lower Upper
91 100
92 52.0 26.3 78.9
134 22.9 11.3 33.8

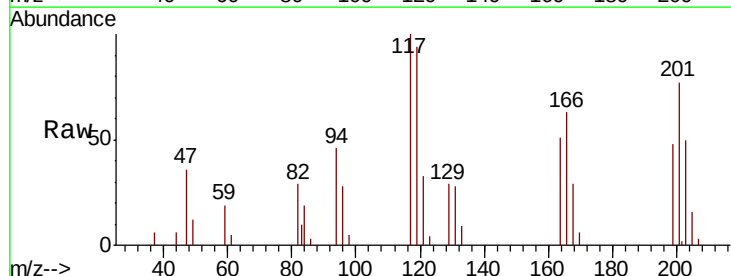


Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-3319) (-)
Ion 92.00 (91.70 to 92.70): VU028495.D (-3319) (-)
Ion 134.00 (133.70 to 134.70): VU028495.D (-3319) (-)

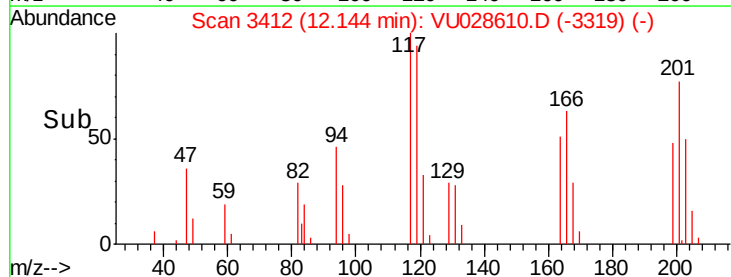
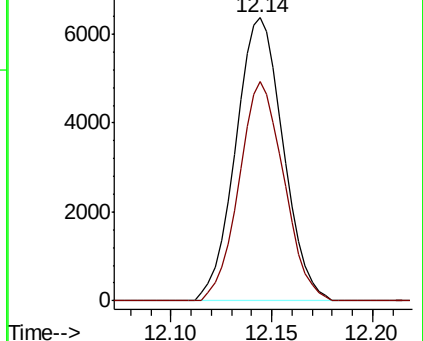


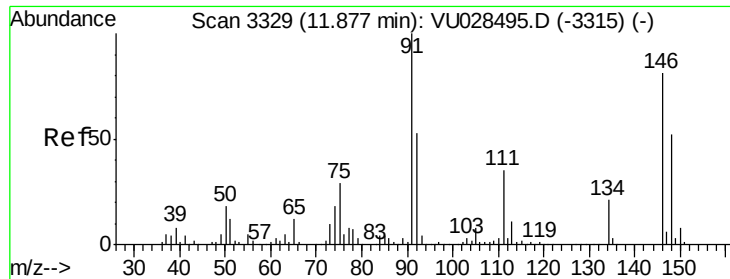
#90
Hexachloroethane
Concen: 17.660 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU028610.D
Acq: 11 Dec 2018 16:25

Tgt Ion: 117 Resp: 10500
Ion Ratio Lower Upper
117 100
201 73.0 38.1 114.5



Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-3399) (-)
Ion 200.70 (200.40 to 201.40): VU028495.D (-3399) (-)

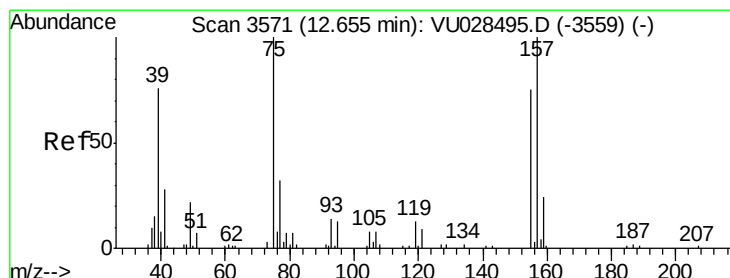
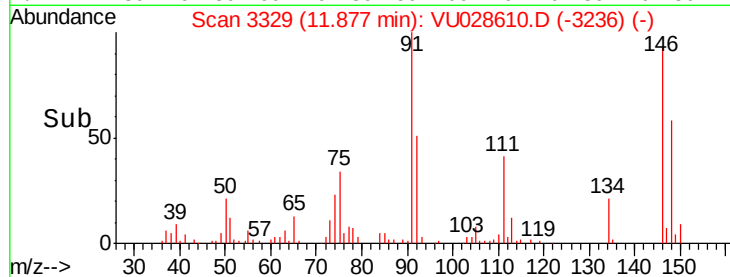
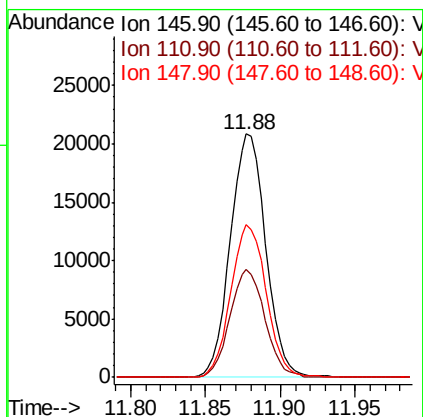
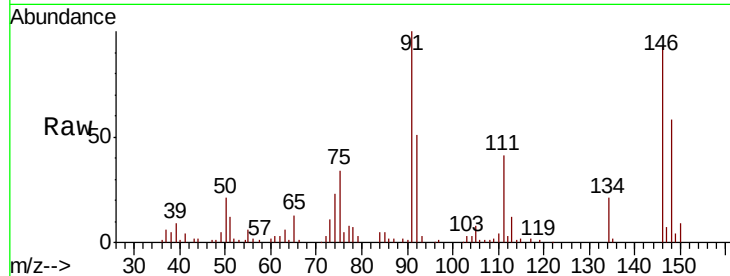




#91
 1,2-Dichlorobenzene
 Concen: 17.242 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028610.D
 Acq: 11 Dec 2018 16:25

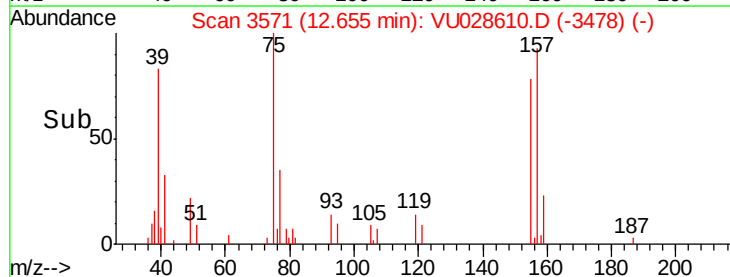
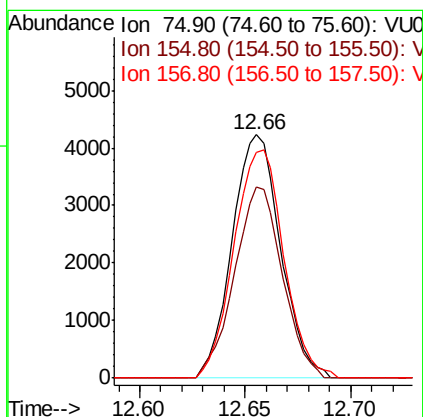
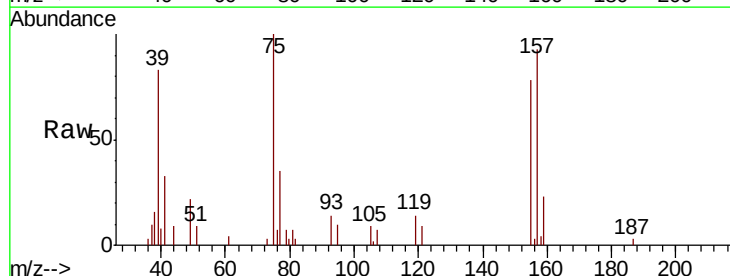
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBS01

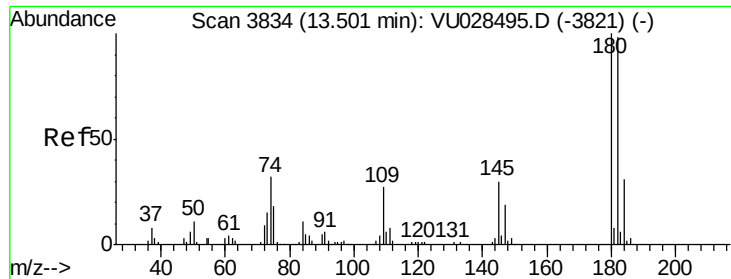
Tot Ion:146 Resp: 34409
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.1 63.4
 148 62.6 31.4 94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.973 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028610.D
 Acq: 11 Dec 2018 16:25

Tgt Ion: 75 Resp: 6753
 Ion Ratio Lower Upper
 75 100
 155 77.5 38.1 114.5
 157 96.6 48.7 146.1

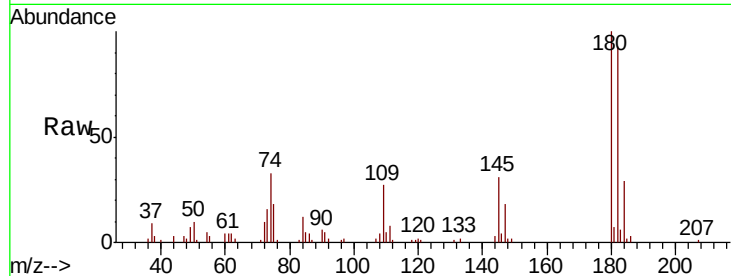




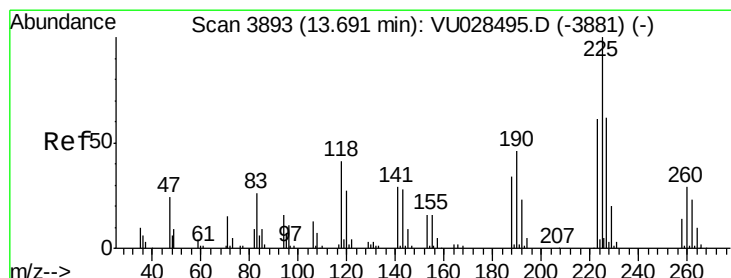
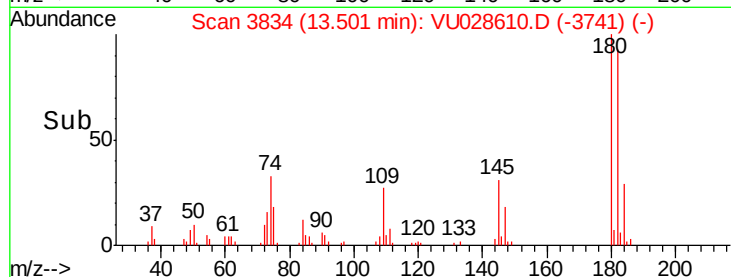
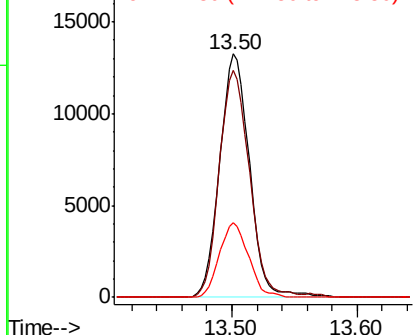
#93
 1,2,4-Trichlorobenzene
 Concen: 16.481 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028610.D
 Acq: 11 Dec 2018 16:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBS01

Tot Ion:180 Resp: 21812
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.9 143.8
 145 29.9 15.0 45.1

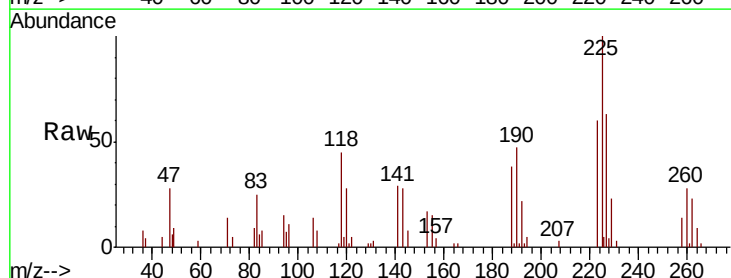


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

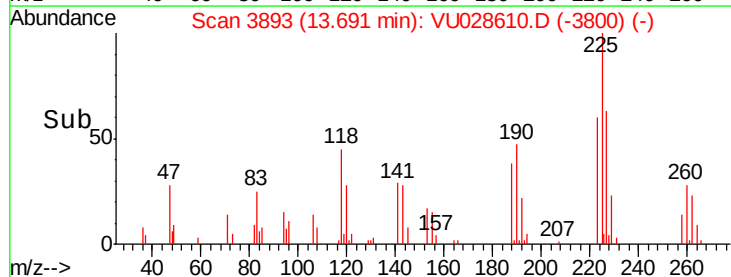
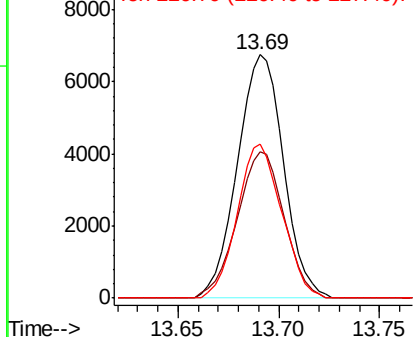


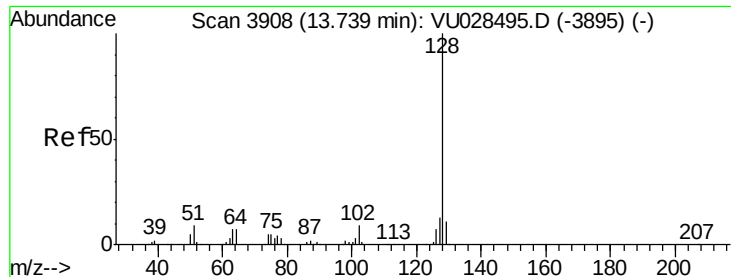
#94
 Hexachlorobutadiene
 Concen: 16.550 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028610.D
 Acq: 11 Dec 2018 16:25

Tgt Ion:225 Resp: 10819
 Ion Ratio Lower Upper
 225 100
 223 61.0 30.4 91.2
 227 61.0 30.7 92.1



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





#95

Naphthalene

Concen: 15.452 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

Instrument :

MSVOA_U

ClientSampleId :

VU1213WBS01

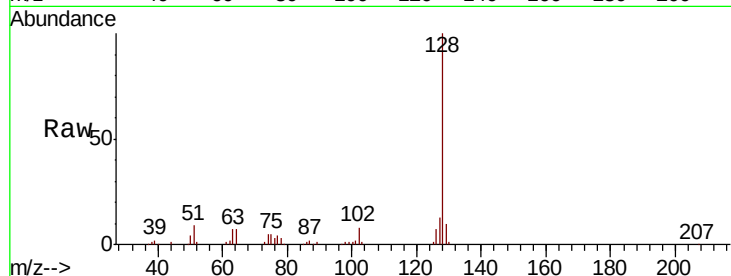
Tot Ion:128 Resp: 73996

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

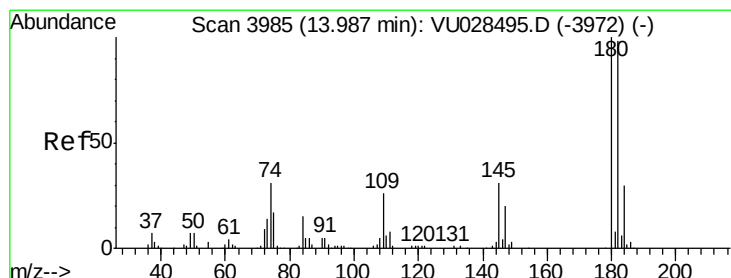
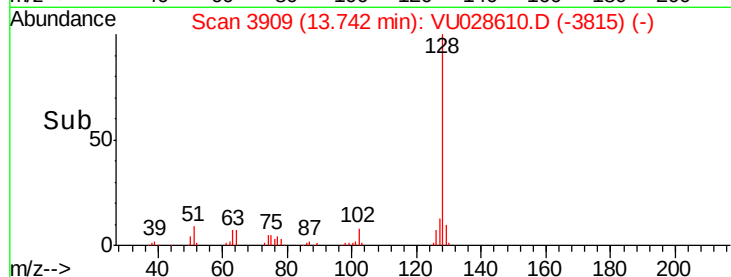
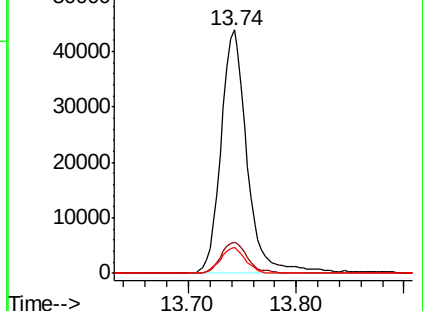
129 10.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 15.931 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028610.D

Acq: 11 Dec 2018 16:25

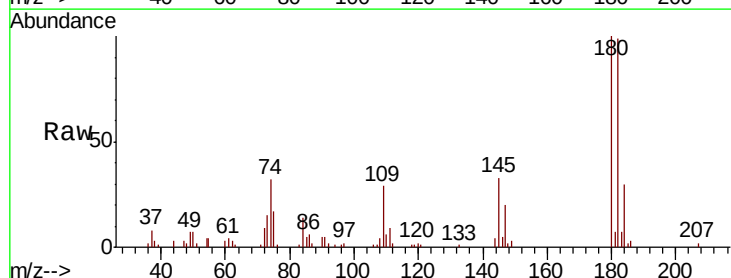
Tgt Ion:180 Resp: 21606

Ion Ratio Lower Upper

180 100

182 99.0 48.2 144.6

145 31.5 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

