

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028634.D
 Acq On : 12 Dec 2018 02:05
 Operator : MD/SY
 Sample : J6298-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 OWS

Quant Time: Dec 12 04:17:04 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	90330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	163529	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	150088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	64639	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	74132	53.78	ug/l	0.00
Spiked Amount			Recovery	=	107.56%	
35) Dibromofluoromethane	4.88	113	54433	52.89	ug/l	0.00
Spiked Amount			Recovery	=	105.78%	
50) Toluene-d8	7.56	98	214698	52.74	ug/l	0.00
Spiked Amount			Recovery	=	105.48%	
62) 4-Bromofluorobenzene	10.31	95	71447	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1381	0.620	ug/l	100
11) Tert butyl alcohol	2.84	59	4890	15.922	ug/l #	79
13) Acrolein	2.19	56	564	2.304	ug/l #	69
14) Allyl chloride	2.70	41	8923	3.750	ug/l #	27
16) Acetone	2.32	43	68967	76.670	ug/l	99
17) Carbon Disulfide	2.48	76	3237	0.893	ug/l	99
18) Methyl Acetate	2.62	43	6869	2.946	ug/l	92
20) Methylene Chloride	2.70	84	180150	135.855	ug/l	99
25) 2-Butanone	4.26	43	29441	23.949	ug/l	97
26) 2,2-Dichloropropane	4.20	77	404	0.211	ug/l #	54
29) Tetrahydrofuran	4.63	42	2672	3.384	ug/l #	37
31) Cyclohexane	4.98	56	2500	Below Cal	#	5
36) 1,1-Dichloropropene	4.98	75	7898	4.414	ug/l #	48
37) Ethyl Acetate	4.26	43	29441	12.727	ug/l #	70
38) Carbon Tetrachloride	4.98	117	8970	6.219	ug/l #	14
40) Benzene	5.39	78	1184	0.225	ug/l	98
41) Methacrylonitrile	4.58	41	879	0.694	ug/l #	33
43) Isopropyl Acetate	5.55	43	11694	3.196	ug/l #	92
45) 1,2-Dichloropropane	6.70	63	624	0.421	ug/l #	44
48) Methyl methacrylate	6.70	41	55245	30.362	ug/l #	45
51) 4-Methyl-2-Pentanone	7.46	43	158125	68.521	ug/l	98
52) Toluene	7.64	92	956	0.308	ug/l	99
54) cis-1,3-Dichloropropene	7.42	75	19453	8.798	ug/l #	58
56) Ethyl methacrylate	7.91	69	14647	6.976	ug/l #	83
57) 1,3-Dichloropropane	8.41	76	3843	1.688	ug/l #	43
59) 2-Hexanone	8.37	43	3862	2.111	ug/l	91
68) m/p-Xylenes	9.38	106	711	0.332	ug/l	75
70) Styrene	9.80	104	893	0.260	ug/l	94
74) N-amyl acetate	10.03	43	3619	1.265	ug/l #	81
76) 1,2,3-Trichloropropane	10.31	75	38018	23.033	ug/l #	36
78) n-propylbenzene	10.59	91	1563	0.254	ug/l	77
80) 1,3,5-Trimethylbenzene	10.77	105	1199	0.292	ug/l	85
81) trans-1,4-Dichloro-2-buten	10.31	75	38018	56.562	ug/l #	100
82) 4-Chlorotoluene	10.78	91	1686	0.401	ug/l #	66

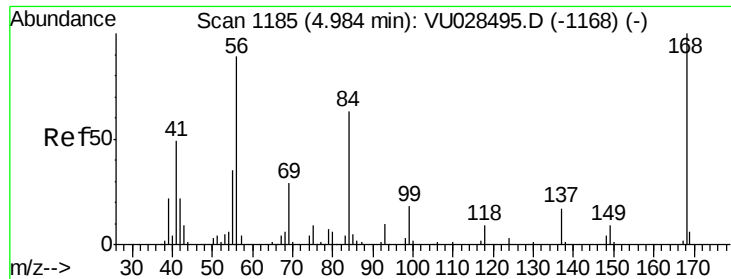
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121318\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	11.15	105	2818	0.666	ug/l	79
85) sec-Butylbenzene	11.43	105	25223	4.961	ug/l	85
86) p-Isopropyltoluene	11.48	119	11746	2.720	ug/l #	73
87) 1,3-Dichlorobenzene	11.42	146	594	0.271	ug/l #	70
88) 1,4-Dichlorobenzene	11.51	146	659	0.291	ug/l #	1
89) n-Butylbenzene	11.89	91	1727	0.395	ug/l #	70
91) 1,2-Dichlorobenzene	11.87	146	535	0.244	ug/l #	62
93) 1,2,4-Trichlorobenzene	13.56	180	351	1.073	ug/l	94
94) Hexachlorobutadiene	13.69	225	302	0.421	ug/l	81
95) Naphthalene	13.74	128	7429	1.413	ug/l #	83
96) 1,2,3-Trichlorobenzene	13.99	180	1074	0.861	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028634.D

Acq: 12 Dec 2018 02:05

Instrument :

MSVOA_U

ClientSampleId :

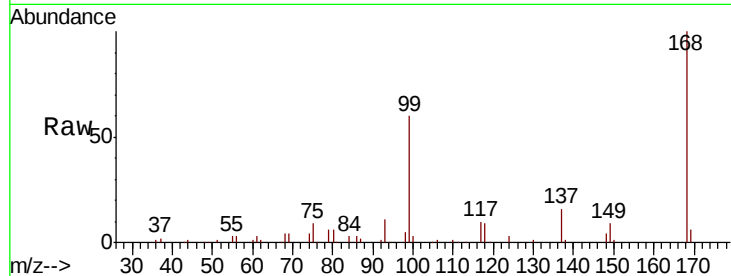
OVS

Tot Ion:168 Resp: 90330

Ion Ratio Lower Upper

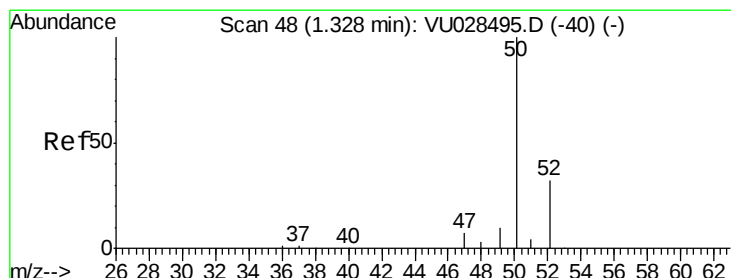
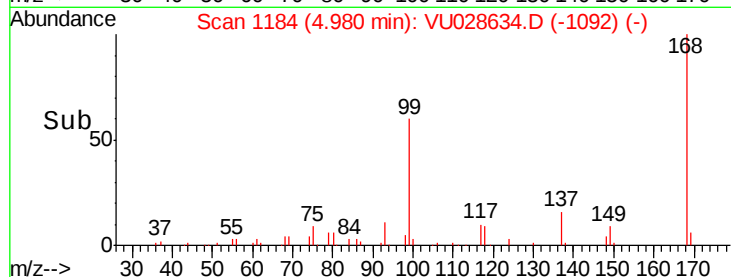
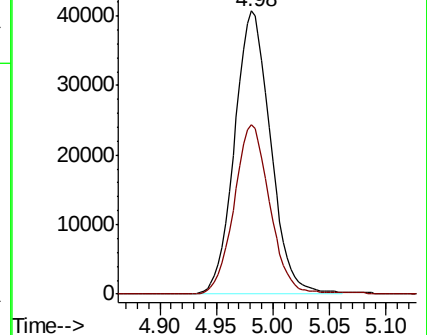
168 100

99 59.9 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) (-)



#3

Chloromethane

Concen: 0.620 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028634.D

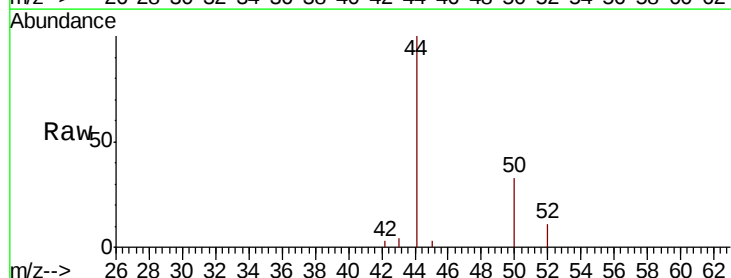
Acq: 12 Dec 2018 02:05

Tgt Ion: 50 Resp: 1381

Ion Ratio Lower Upper

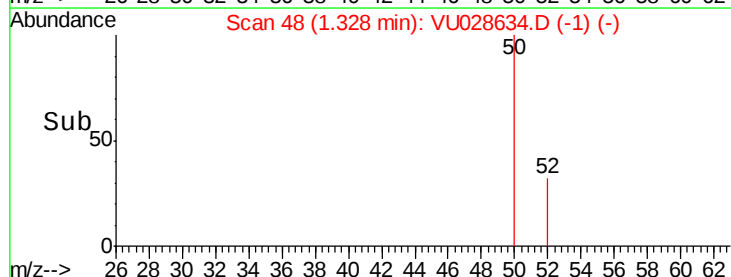
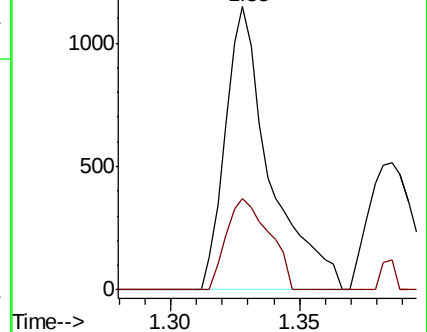
50 100

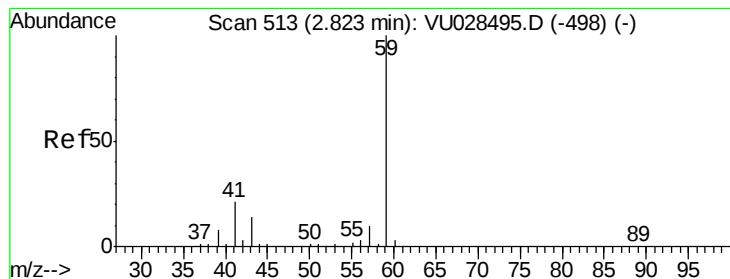
52 32.1 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028495.D (-40) (-)





#11

Tert butyl alcohol

Concen: 15.922 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU028634.D

Acq: 12 Dec 2018 02:05

Instrument :

MSVOA_U

ClientSampleId :

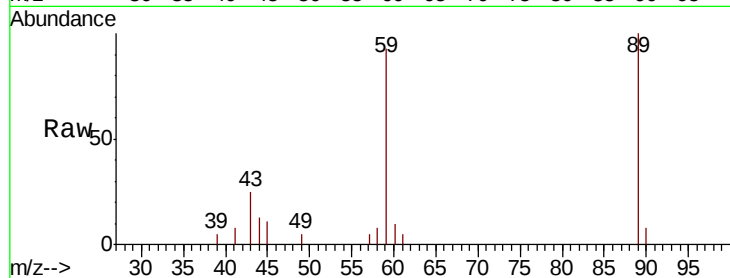
OVS

Tot Ion: 59 Resp: 4890

Ion Ratio Lower Upper

59 100

57 2.4 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU028495.D (-498) (-)

Ion 57.00 (56.70 to 57.70): VU028495.D (-498) (-)

2.84

2500

2000

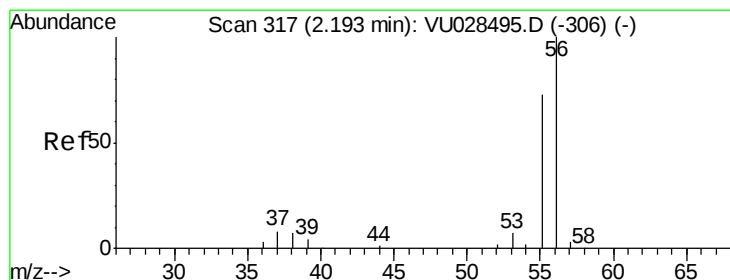
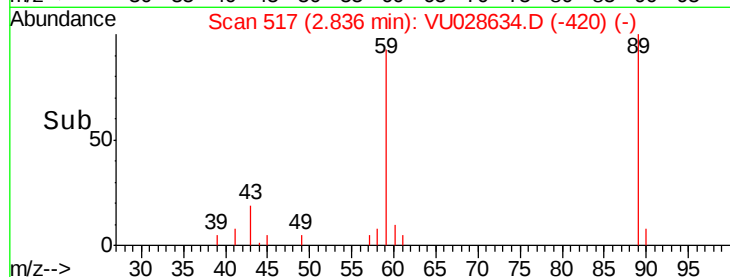
1500

1000

500

0

Time-->



#13

Acrolein

Concen: 2.304 ug/l

RT: 2.19 min Scan# 316

Delta R.T. -0.00 min

Lab File: VU028634.D

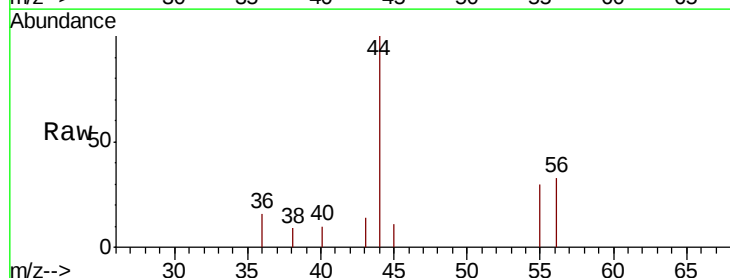
Acq: 12 Dec 2018 02:05

Tgt Ion: 56 Resp: 564

Ion Ratio Lower Upper

56 100

55 97.3 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VU028495.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU028495.D (-306) (-)

2.19

400

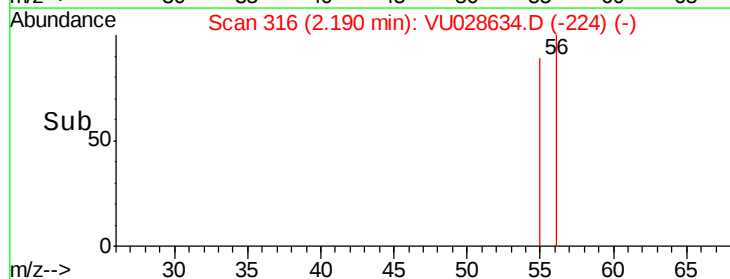
300

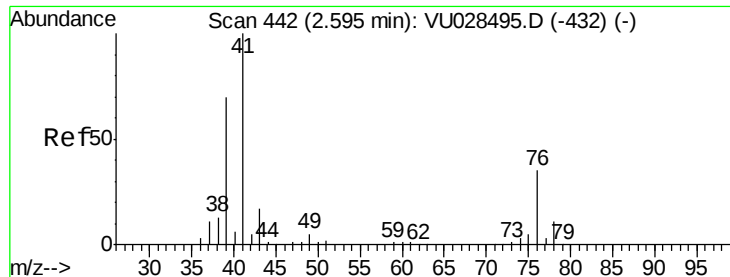
200

100

0

Time-->

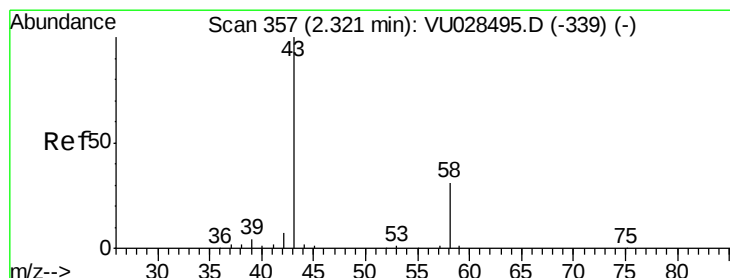
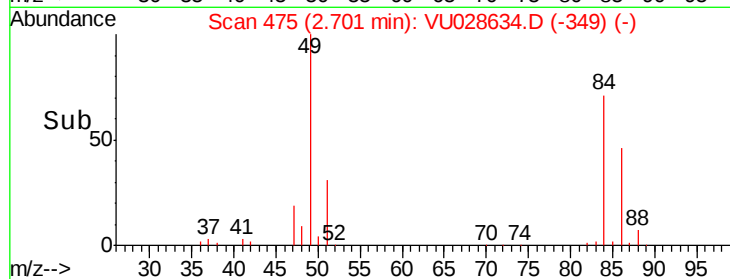
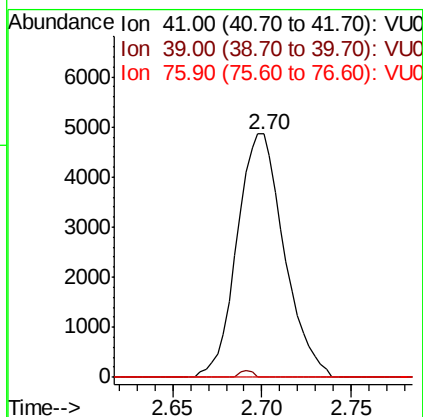
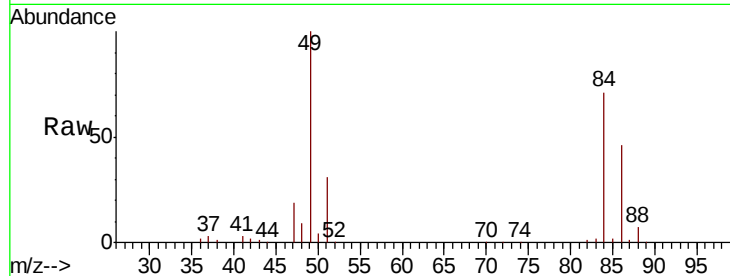




#14
Allvl chloride
Concen: 3.750 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.11 min
Lab File: VU028634.D
Acq: 12 Dec 2018 02:05

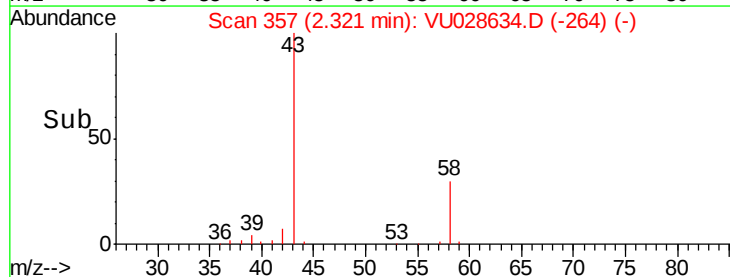
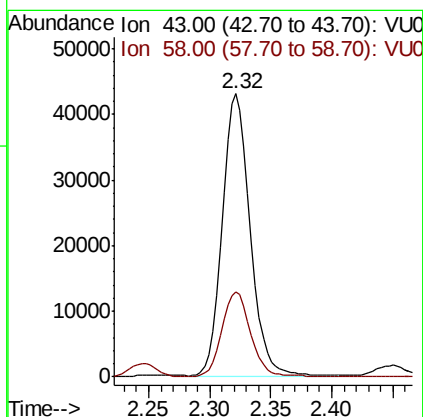
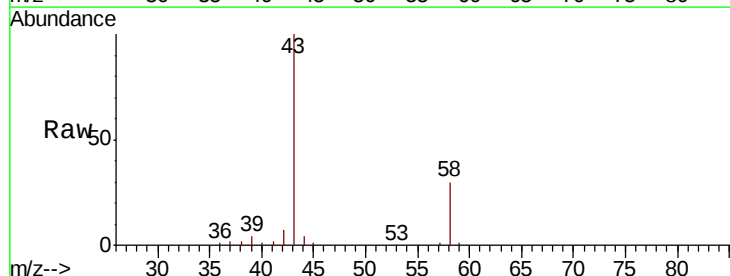
Instrument :
MSVOA_U
ClientSampleId :
OWS

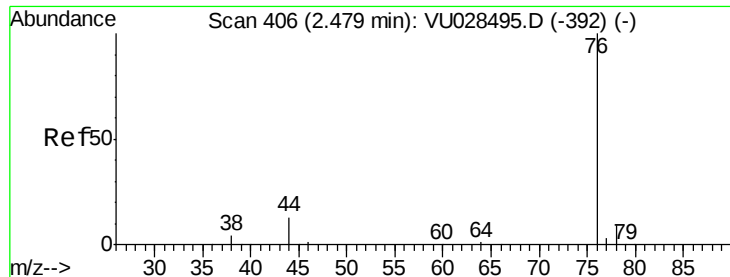
Tot Ion: 41 Resp: 8923
Ion Ratio Lower Upper
41 100
39 0.0 50.8 76.2#
76 0.0 24.8 37.2#



#16
Acetone
Concen: 76.670 ug/l
RT: 2.32 min Scan# 357
Delta R.T. 0.00 min
Lab File: VU028634.D
Acq: 12 Dec 2018 02:05

Tgt Ion: 43 Resp: 68967
Ion Ratio Lower Upper
43 100
58 30.3 24.6 37.0





#17

Carbon Disulfide

Concen: 0.893 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028634.D

Acq: 12 Dec 2018 02:05

Instrument :

MSVOA_U

ClientSampleId :

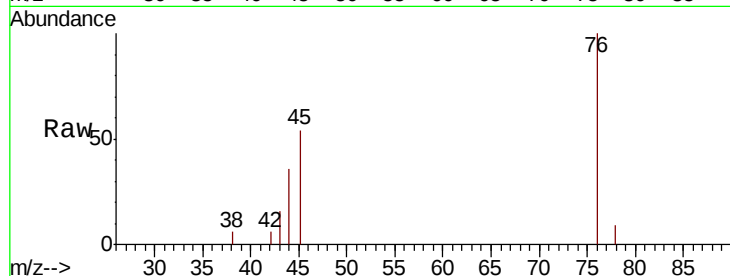
OWS

Tot Ion: 76 Resp: 3237

Ion Ratio Lower Upper

76 100

78 8.5 7.2 10.8



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

Ion 77.90 (77.60 to 78.60): VU028495.D (-392) (-)

2.48

2000

1500

1000

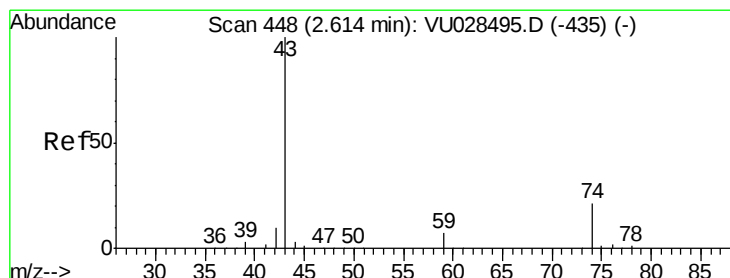
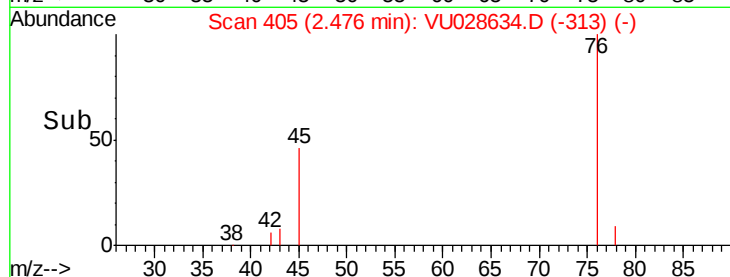
500

0

2.45

2.50

Time-->



#18

Methyl Acetate

Concen: 2.946 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU028634.D

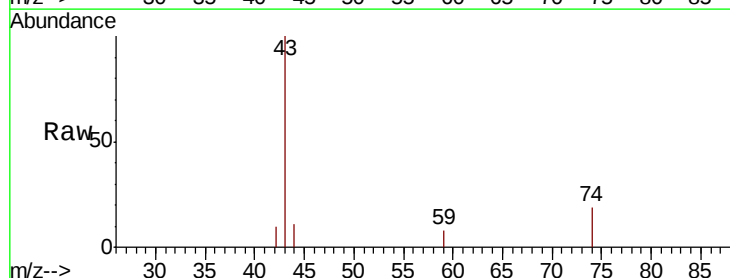
Acq: 12 Dec 2018 02:05

Tgt Ion: 43 Resp: 6869

Ion Ratio Lower Upper

43 100

74 16.7 16.4 24.6



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

Ion 74.00 (73.70 to 74.70): VU028495.D (-435) (-)

2.62

3000

2000

1000

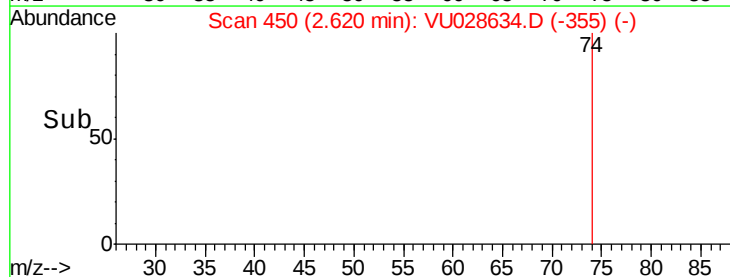
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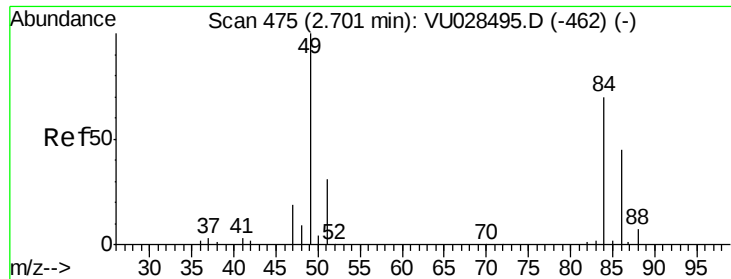
2.55

2.60

2.65

Time-->





#20

Methvlene Chloride

Concen: 135.855 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.00 min

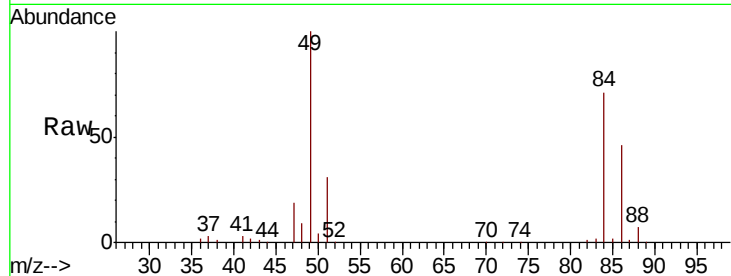
Lab File: VU028634.D

Acq: 12 Dec 2018 02:05

Instrument :
MSVOA_U
ClientSampleId :
OWS

Tot Ion: 84 Resp: 180150

Ion	Ratio	Lower	Upper
84	100		
49	140.9	114.0	171.0
51	43.9	35.1	52.7
86	64.1	51.0	76.6

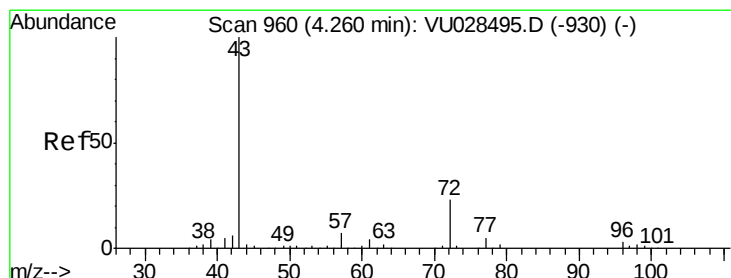
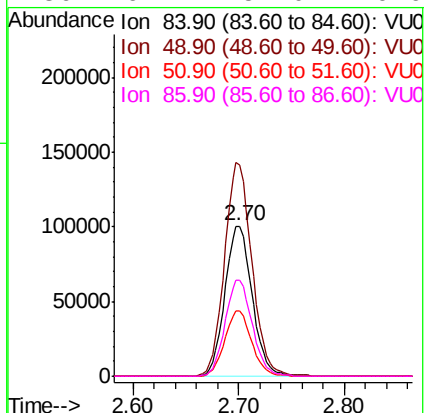
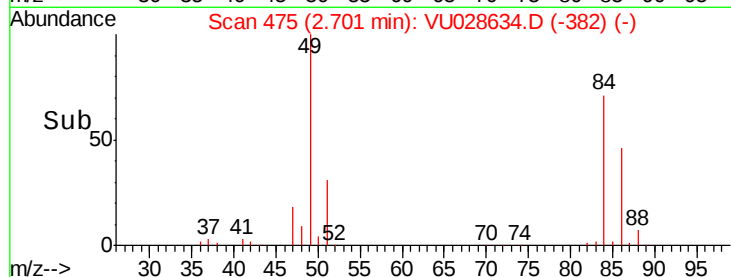


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#25

2-Butanone

Concen: 23.949 ug/l

RT: 4.26 min Scan# 961

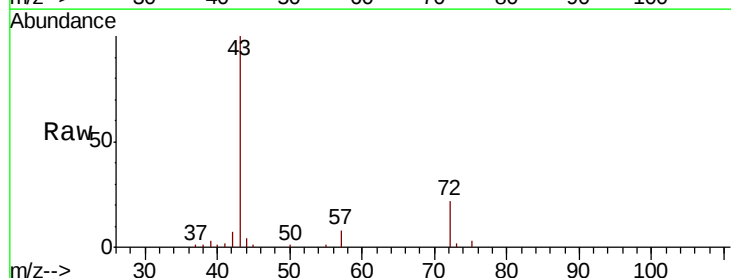
Delta R.T. 0.00 min

Lab File: VU028634.D

Acq: 12 Dec 2018 02:05

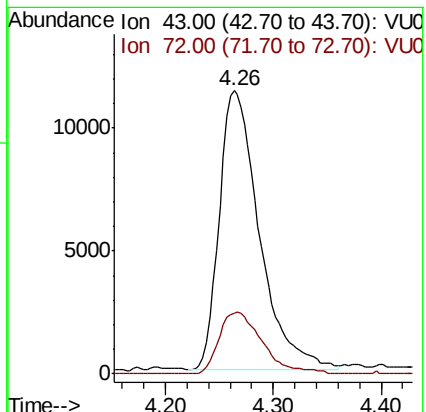
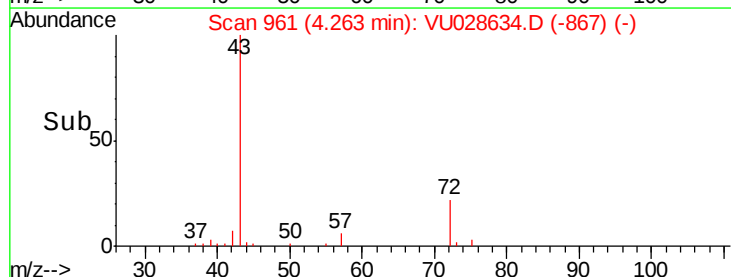
Tgt Ion: 43 Resp: 29441

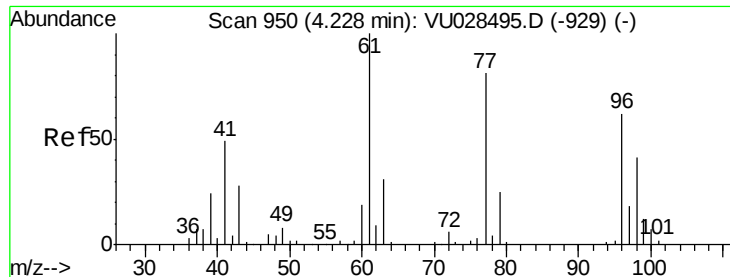
Ion	Ratio	Lower	Upper
43	100		
72	22.0	18.6	28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

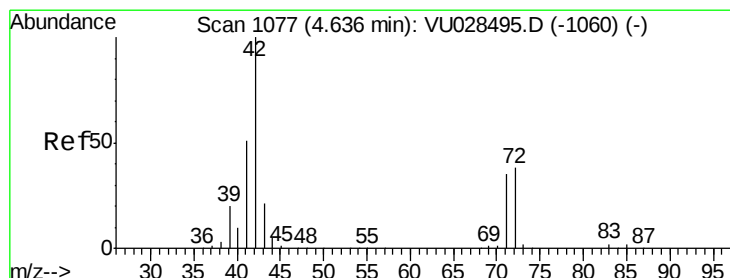
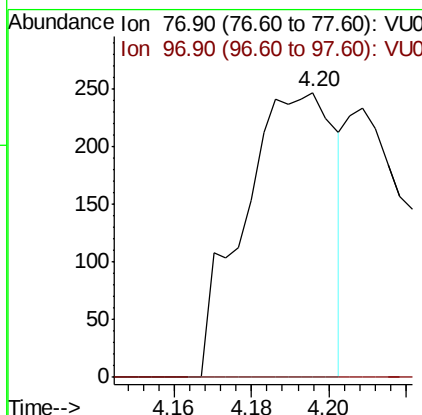
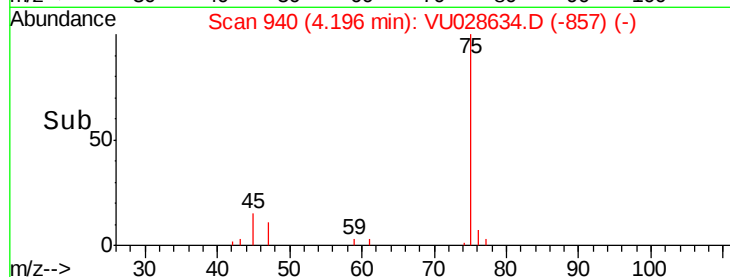
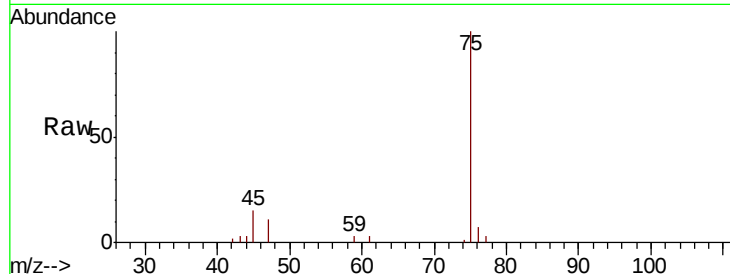




#26
 2,2-Dichloropropane
 Concen: 0.211 ug/l
 RT: 4.20 min Scan# 940
 Delta R.T. -0.03 min
 Lab File: VU028634.D
 Acq: 12 Dec 2018 02:05

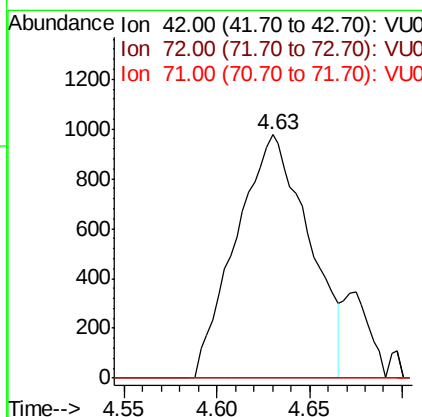
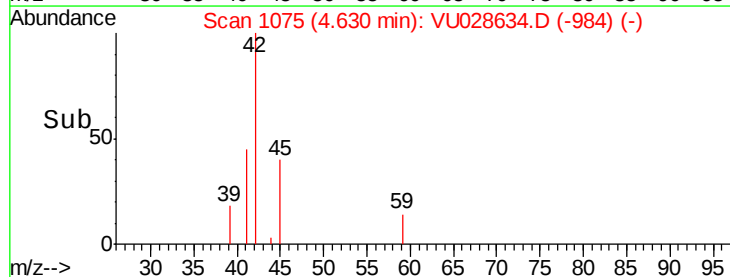
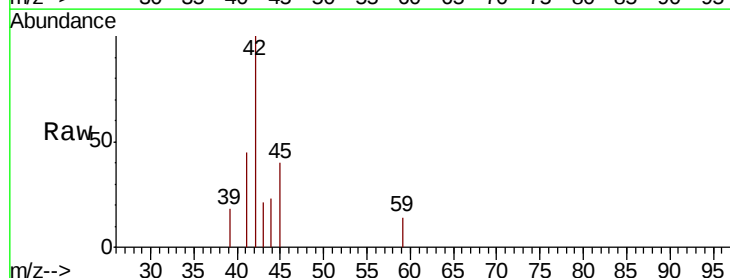
Instrument :
 MSVOA_U
 ClientSampled :
 OWS

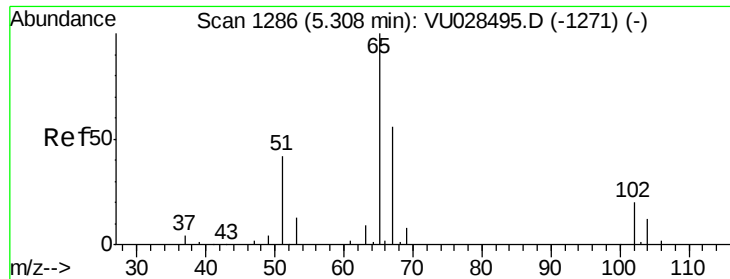
Tot Ion: 77 Resp: 404
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.0 33.0#



#29
 Tetrahydrofuran
 Concen: 3.384 ug/l
 RT: 4.63 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: VU028634.D
 Acq: 12 Dec 2018 02:05

Tgt Ion: 42 Resp: 2672
 Ion Ratio Lower Upper
 42 100
 72 0.0 31.4 47.0#
 71 0.0 28.6 43.0#

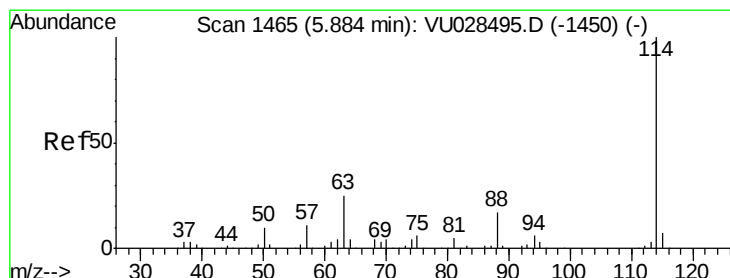
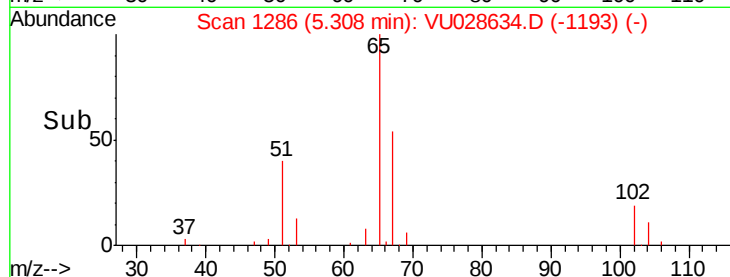
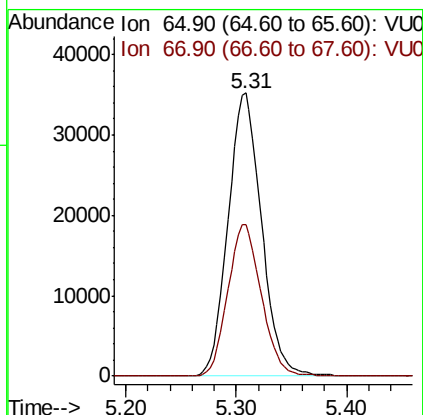
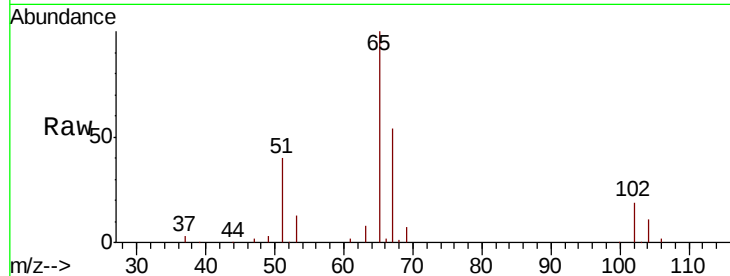




#33
 1,2-Dichloroethane-d4
 Concen: 53.778 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028634.D
 Acq: 12 Dec 2018 02:05

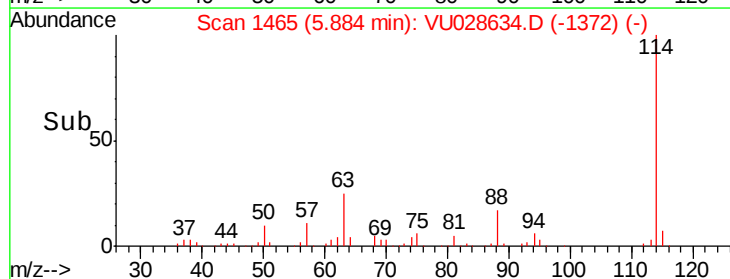
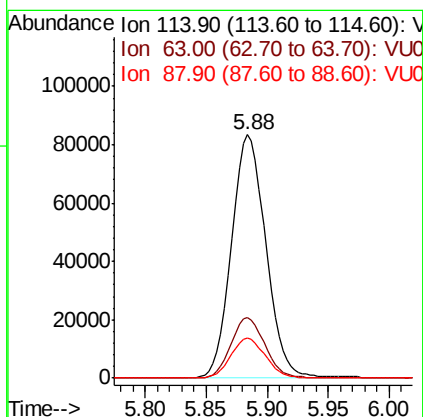
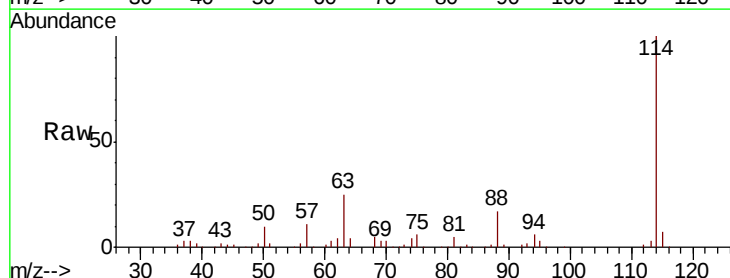
Instrument :
 MSVOA_U
 ClientSampleId :
 OWS

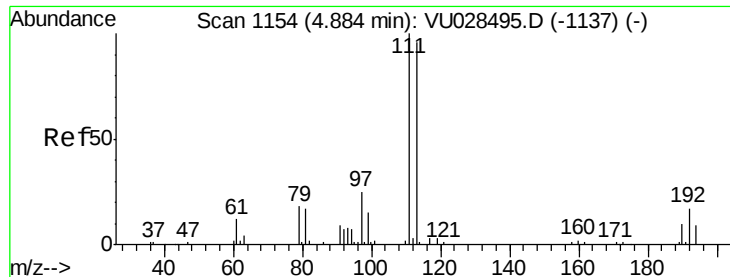
Tot Ion: 65 Resp: 74132
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028634.D
 Acq: 12 Dec 2018 02:05

Tgt Ion: 114 Resp: 163529
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 49.2
 88 16.5 0.0 33.4

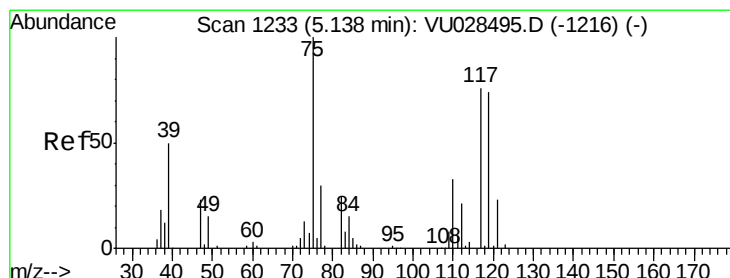
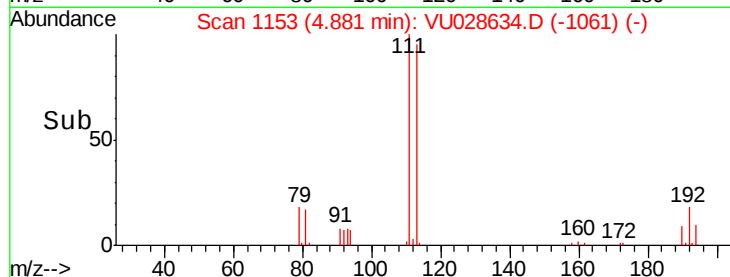
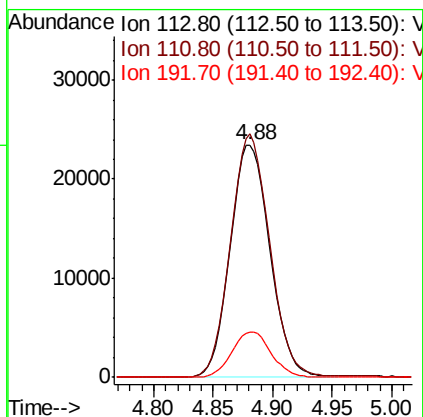
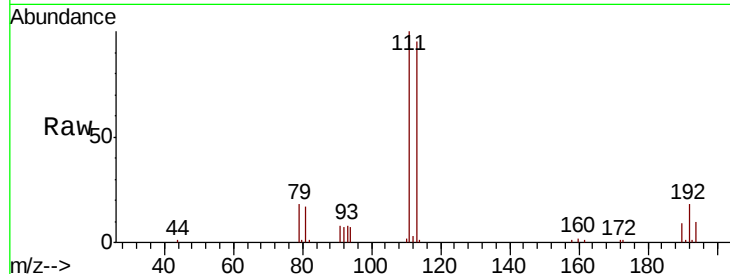




#35
Dibromofluoromethane
Concen: 52.894 ug/l
RT: 4.88 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VU028634.D
Acq: 12 Dec 2018 02:05

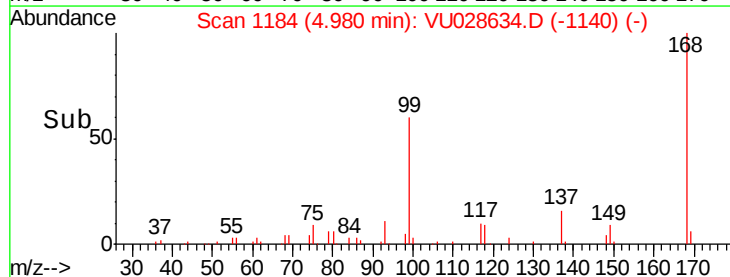
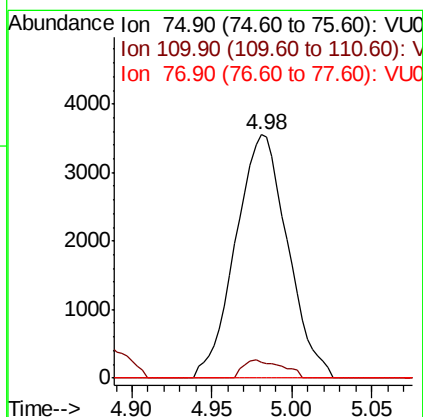
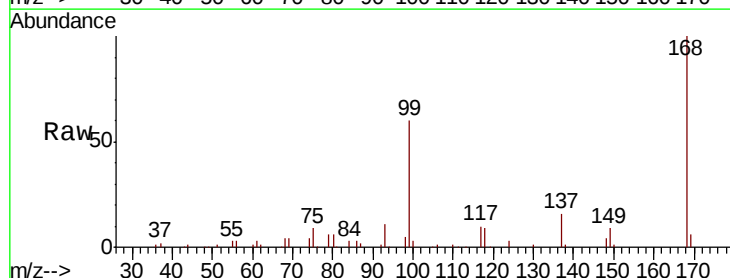
Instrument :
MSVOA_U
ClientSampleId :
OWS

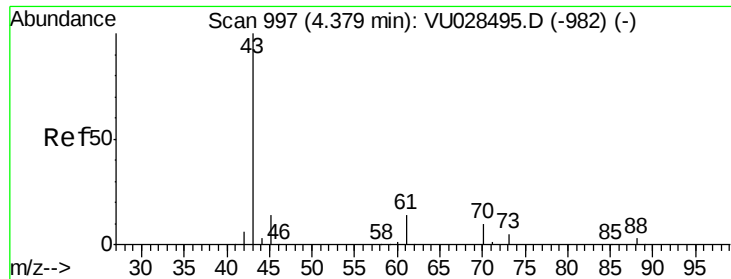
Tot Ion:113 Resp: 54433
Ion Ratio Lower Upper
113 100
111 103.0 83.4 125.0
192 19.1 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.414 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.16 min
Lab File: VU028634.D
Acq: 12 Dec 2018 02:05

Tgt Ion: 75 Resp: 7898
Ion Ratio Lower Upper
75 100
110 5.5 16.1 48.2#
77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 12.727 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.12 min

Lab File: VU028634.D

Acq: 12 Dec 2018 02:05

Instrument :

MSVOA_U

ClientSampleId :

OWS

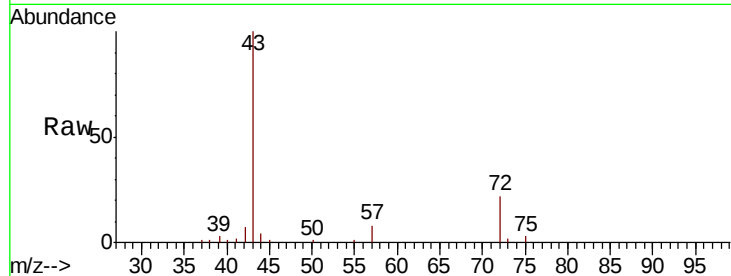
Tot Ion: 43 Resp: 29441

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.4#

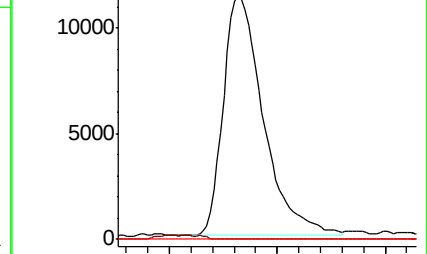
70 0.0 7.4 11.0#



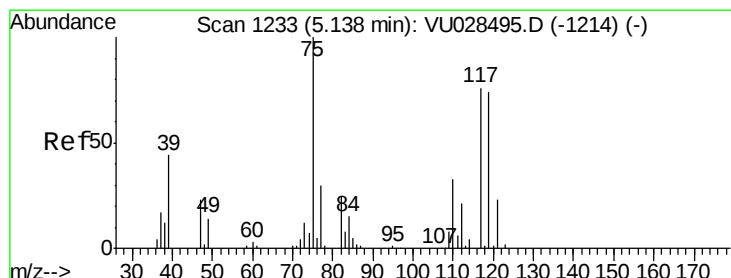
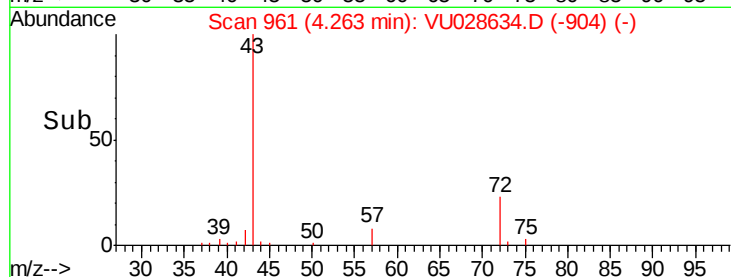
Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-982) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-982) (-)

Ion 70.00 (69.70 to 70.70): VU028495.D (-982) (-)



Time-->



#38

Carbon Tetrachloride

Concen: 6.219 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028634.D

Acq: 12 Dec 2018 02:05

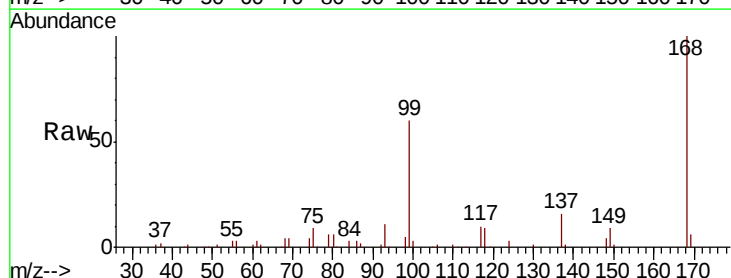
Tgt Ion: 117 Resp: 8970

Ion Ratio Lower Upper

117 100

119 2.7 77.6 116.4#

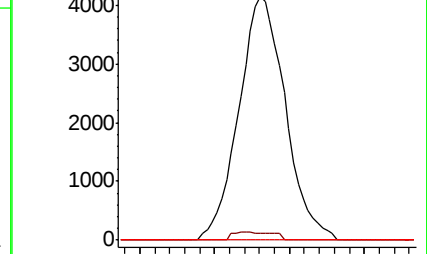
121 0.0 24.6 36.8#



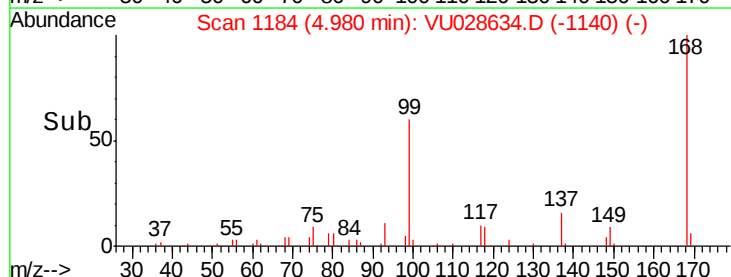
Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

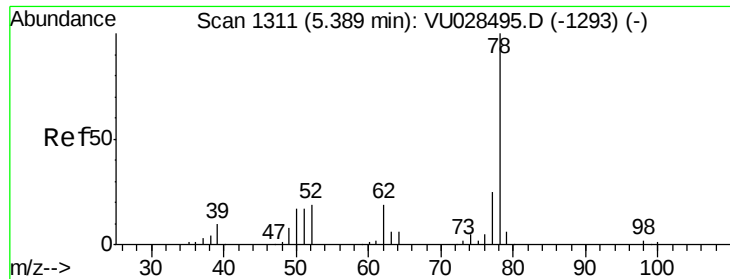
Ion 118.80 (118.50 to 119.50): VU028495.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU028495.D (-1214) (-)



Time-->





#40

Benzene

Concen: 0.225 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU028634.D

Acq: 12 Dec 2018 02:05

Instrument :

MSVOA_U

ClientSampleId :

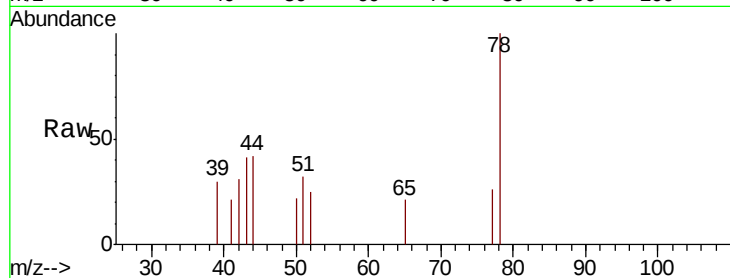
OVS

Tot Ion: 78 Resp: 1184

Ion Ratio Lower Upper

78 100

77 25.7 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

5.39

600

500

400

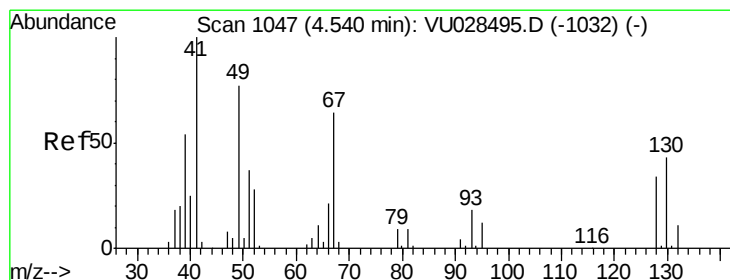
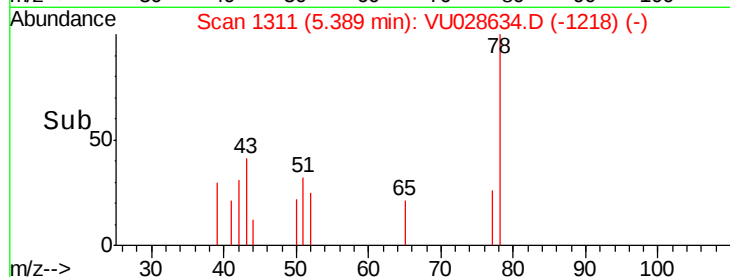
300

200

100

0

Time-->



#41

Methacrylonitrile

Concen: 0.694 ug/l

RT: 4.58 min Scan# 1060

Delta R.T. 0.04 min

Lab File: VU028634.D

Acq: 12 Dec 2018 02:05

Tgt Ion: 41 Resp: 879

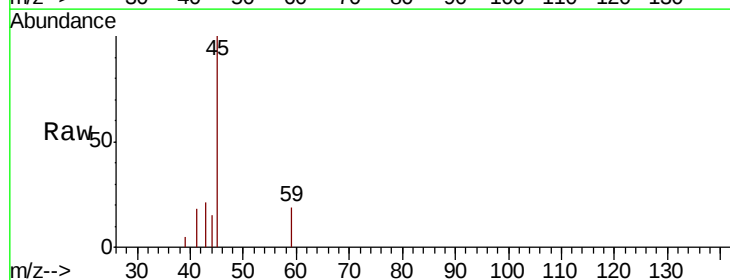
Ion Ratio Lower Upper

41 100

39 14.8 43.3 64.9#

67 0.0 53.6 80.4#

52 0.0 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

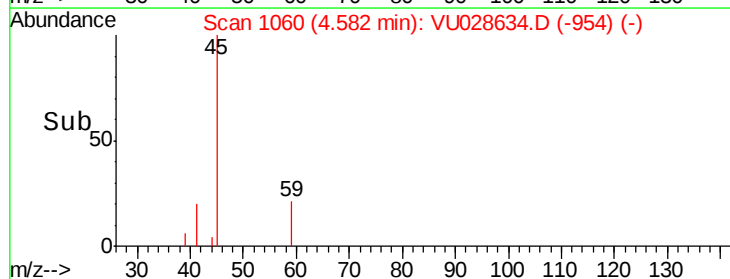
600

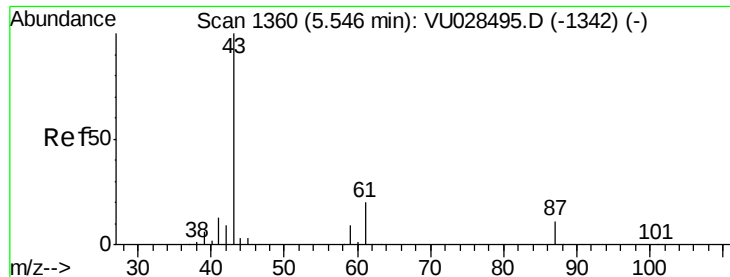
400

200

0

Time-->





#43

Isopropyl Acetate

Concen: 3.196 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU028634.D

Acq: 12 Dec 2018 02:05

Instrument :

MSVOA_U

ClientSampleId :

OVS

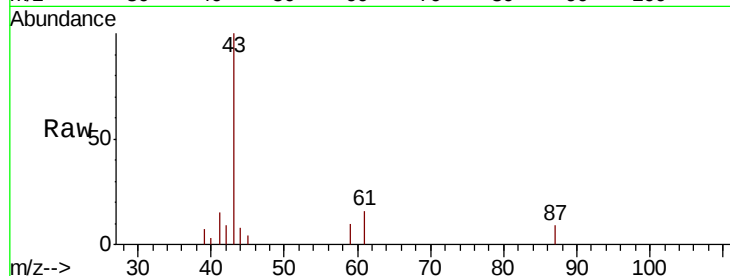
Tot Ion: 43 Resp: 11694

Ion Ratio Lower Upper

43 100

61 15.1 15.5 23.3#

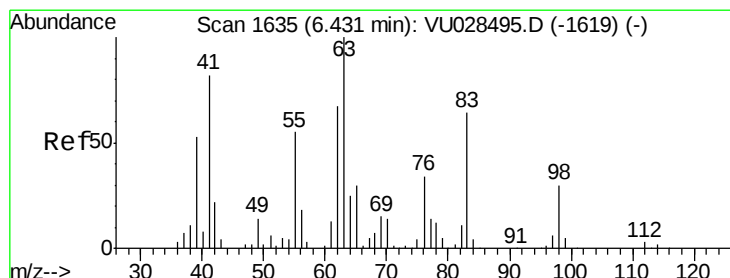
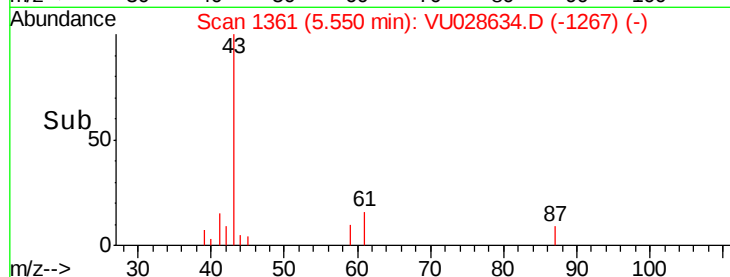
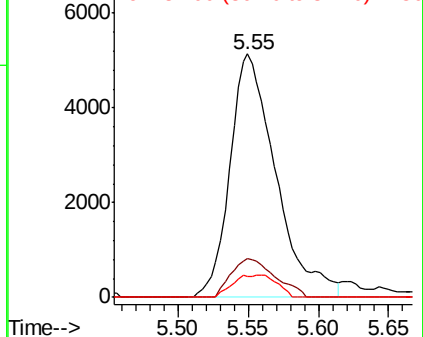
87 8.8 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VU028634.D (-1267) (-)

Ion 61.00 (60.70 to 61.70): VU028634.D (-1267) (-)

Ion 87.00 (86.70 to 87.70): VU028634.D (-1267) (-)



#45

1,2-Dichloropropane

Concen: 0.421 ug/l

RT: 6.70 min Scan# 1720

Delta R.T. 0.27 min

Lab File: VU028634.D

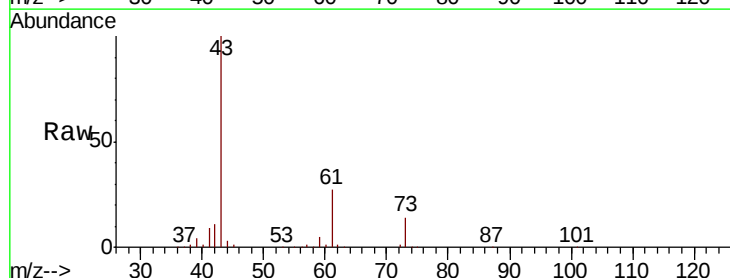
Acq: 12 Dec 2018 02:05

Tgt Ion: 63 Resp: 624

Ion Ratio Lower Upper

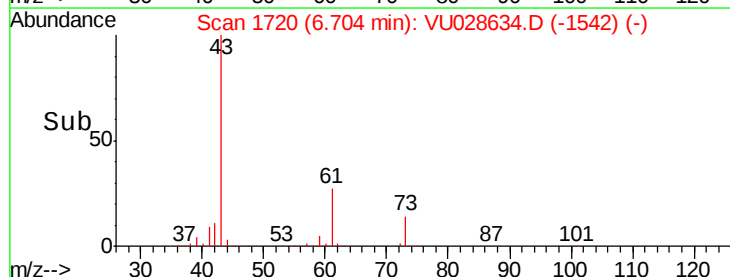
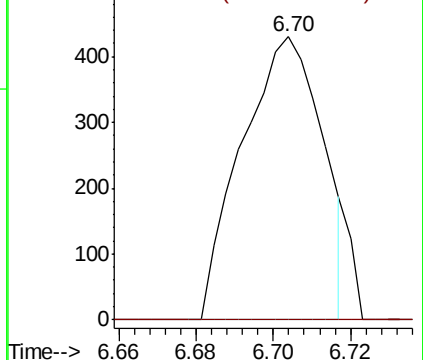
63 100

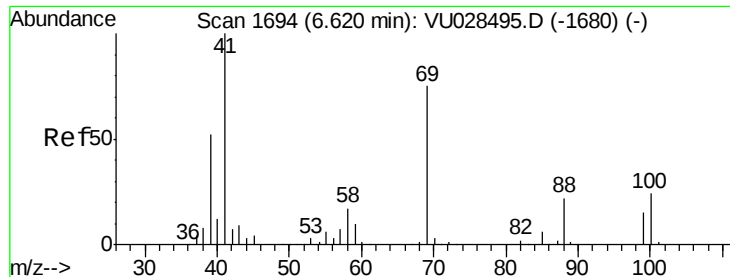
65 0.0 24.2 36.4#



Abundance Ion 62.90 (62.60 to 63.60): VU028634.D (-1542) (-)

Ion 64.90 (64.60 to 65.60): VU028634.D (-1542) (-)

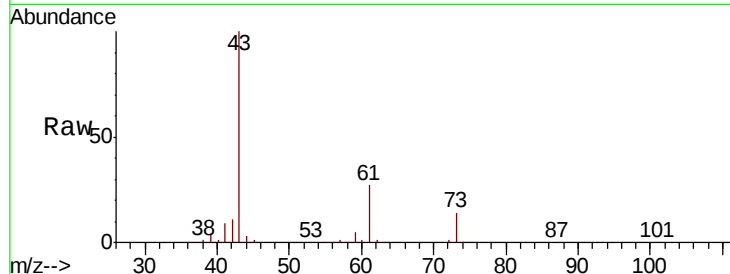




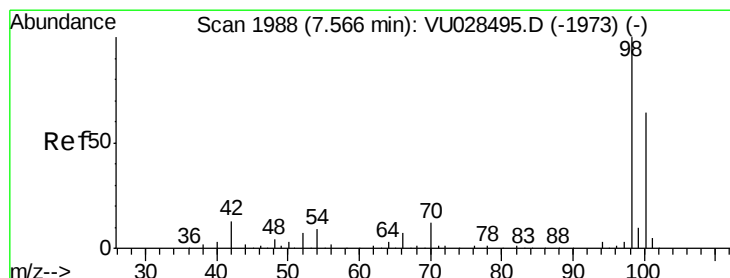
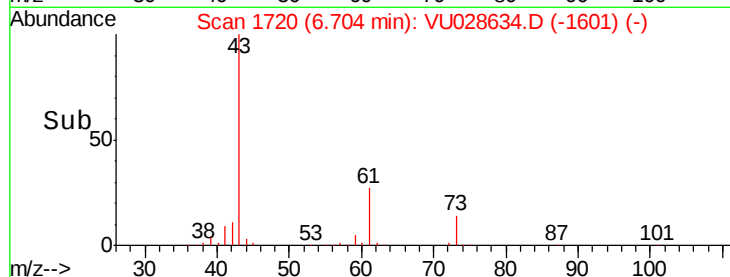
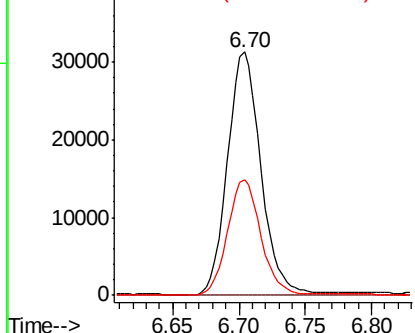
#48
Methvl methacrylate
Concen: 30.362 ug/l
RT: 6.70 min Scan# 1720
Delta R.T. 0.08 min
Lab File: VU028634.D
Acq: 12 Dec 2018 02:05

Instrument :
MSVOA_U
ClientSampleId :
OWS

Tot Ion: 41 Resp: 55245
Ion Ratio Lower Upper
41 100
69 0.0 60.4 90.6#
39 47.0 41.1 61.7

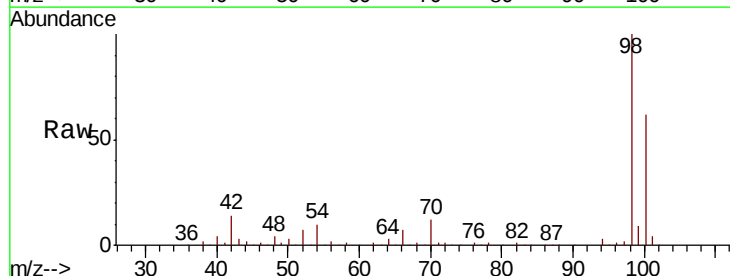


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

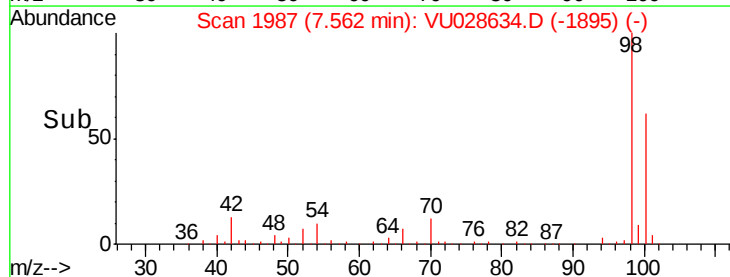
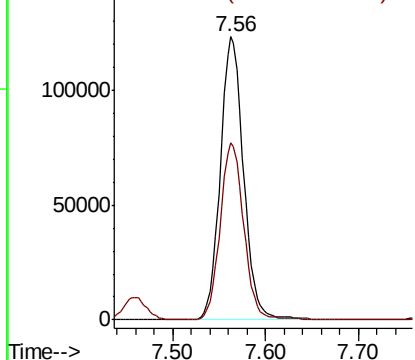


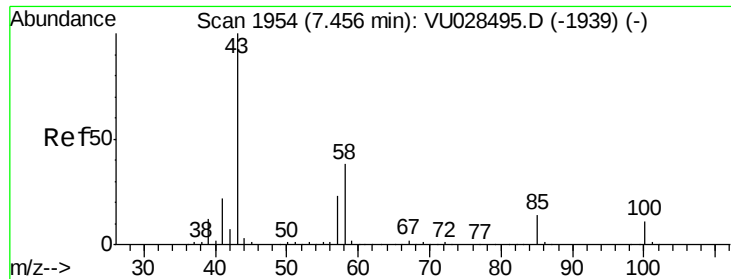
#50
Toluene-d8
Concen: 52.739 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028634.D
Acq: 12 Dec 2018 02:05

Tgt Ion: 98 Resp: 214698
Ion Ratio Lower Upper
98 100
100 63.2 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 68.521 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028634.D

Acq: 12 Dec 2018 02:05

Instrument :

MSVOA_U

ClientSampleId :

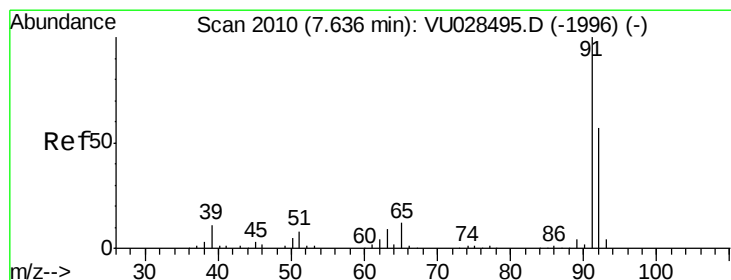
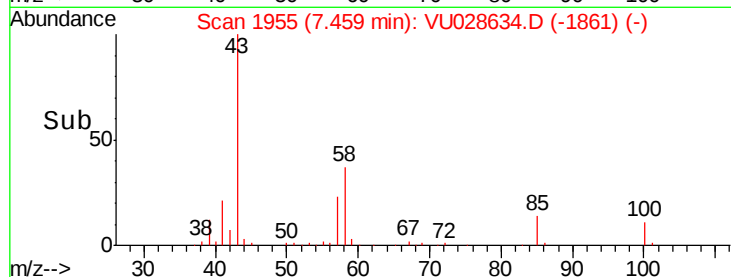
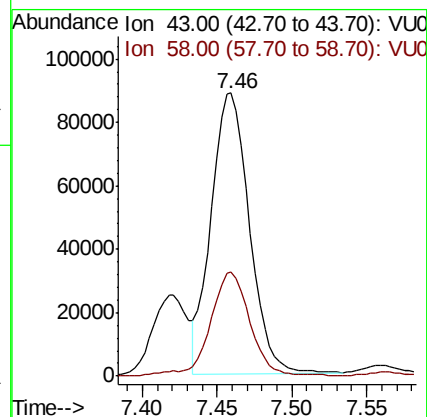
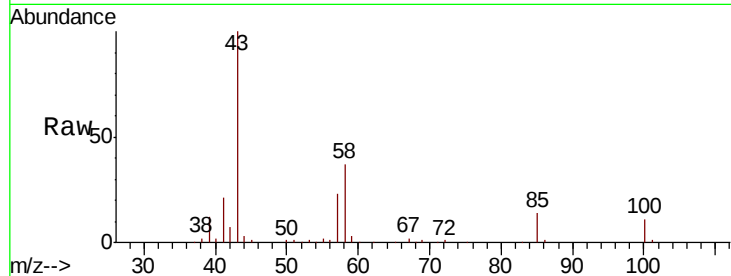
OWS

Tot Ion: 43 Resp: 158125

Ion Ratio Lower Upper

43 100

58 38.8 30.2 45.2



#52

Toluene

Concen: 0.308 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU028634.D

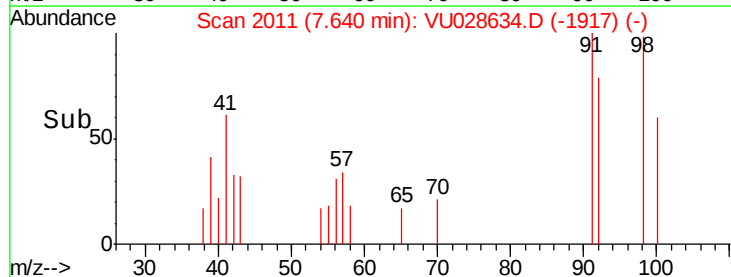
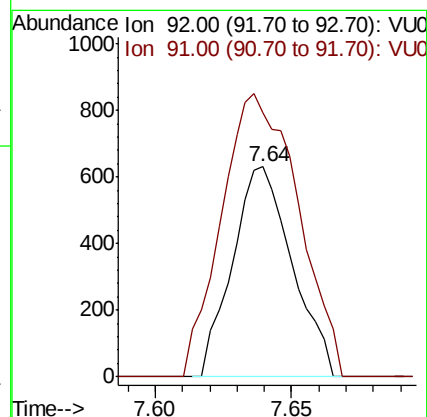
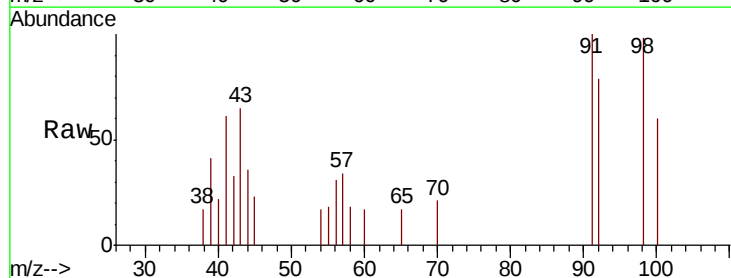
Acq: 12 Dec 2018 02:05

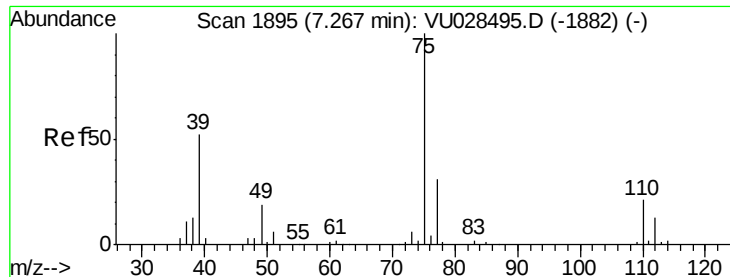
Tgt Ion: 92 Resp: 956

Ion Ratio Lower Upper

92 100

91 173.2 140.2 210.4



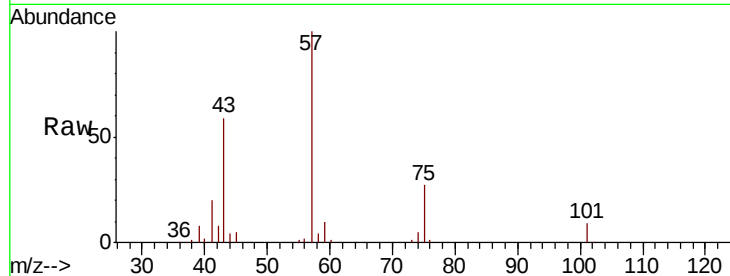


#54

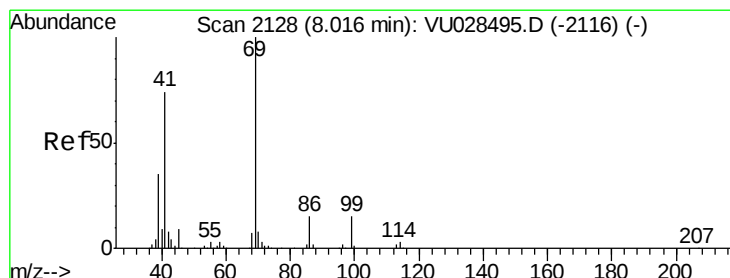
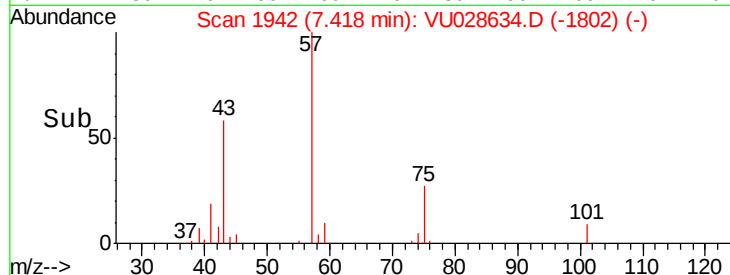
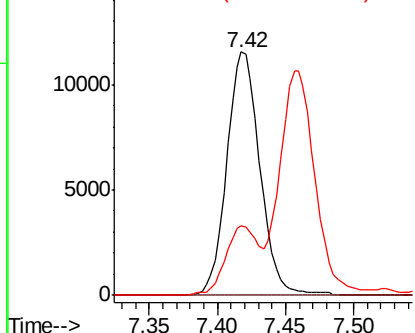
cis-1,3-Dichloropropene
 Concen: 8.798 ug/l
 RT: 7.42 min Scan# 1942
 Delta R.T. 0.15 min
 Lab File: VU028634.D
 Acq: 12 Dec 2018 02:05

Instrument :
 MSVOA_U
 ClientSampleId :
 OWS

Tot Ion: 75 Resp: 19453
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 28.5 41.3 61.9#



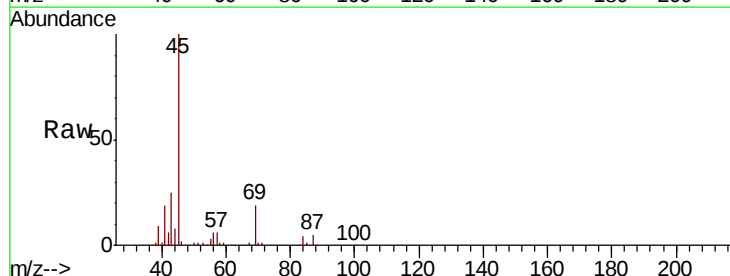
Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 76.90 (76.60 to 77.60): VU0
 Ion 39.00 (38.70 to 39.70): VU0



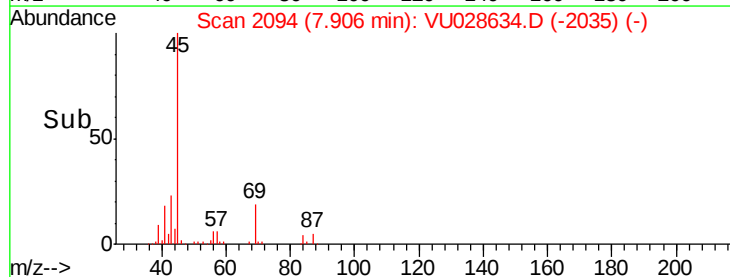
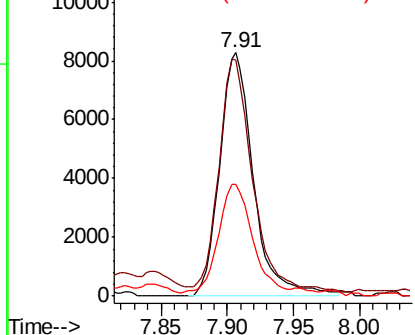
#56

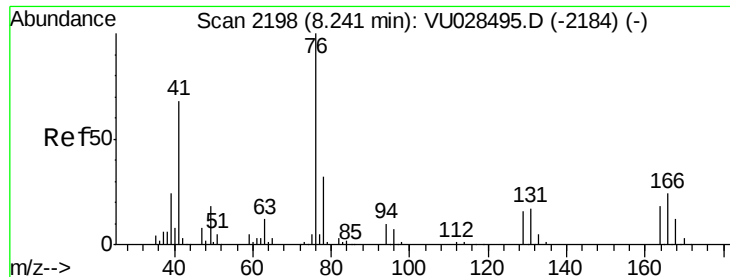
Ethyl methacrylate
 Concen: 6.976 ug/l
 RT: 7.91 min Scan# 2094
 Delta R.T. -0.11 min
 Lab File: VU028634.D
 Acq: 12 Dec 2018 02:05

Tgt Ion: 69 Resp: 14647
 Ion Ratio Lower Upper
 69 100
 41 89.3 59.1 88.7#
 39 44.4 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: 1.688 ug/l

RT: 8.41 min Scan# 2252

Delta R.T. 0.17 min

Lab File: VU028634.D

Acq: 12 Dec 2018 02:05

Instrument :

MSVOA_U

ClientSampleId :

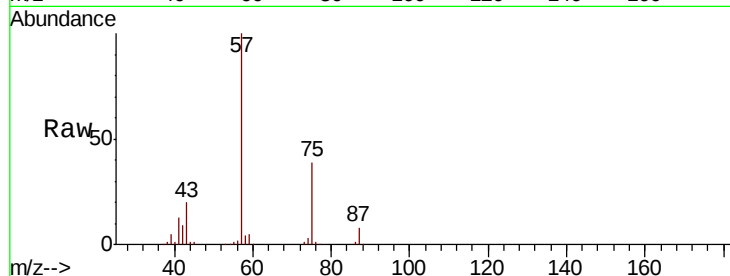
OVS

Tot Ion: 76 Resp: 3843

Ion Ratio Lower Upper

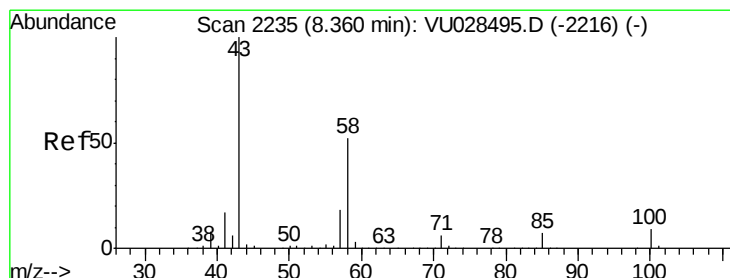
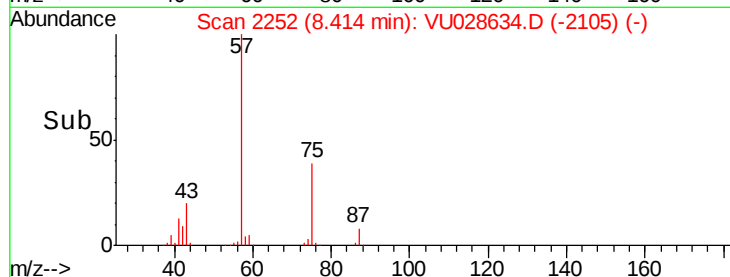
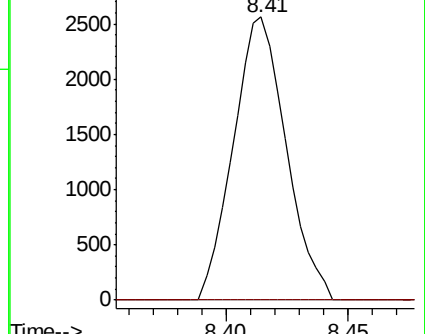
76 100

78 0.0 25.2 37.8#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#59

2-Hexanone

Concen: 2.111 ug/l

RT: 8.37 min Scan# 2237

Delta R.T. 0.01 min

Lab File: VU028634.D

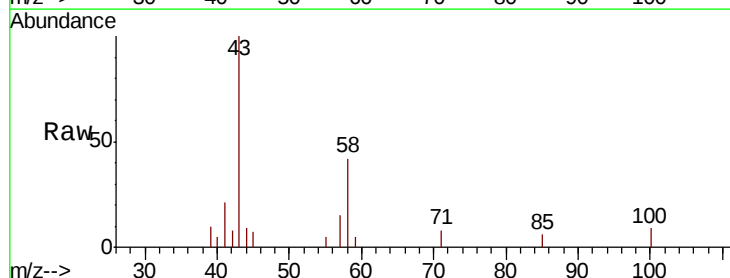
Acq: 12 Dec 2018 02:05

Tgt Ion: 43 Resp: 3862

Ion Ratio Lower Upper

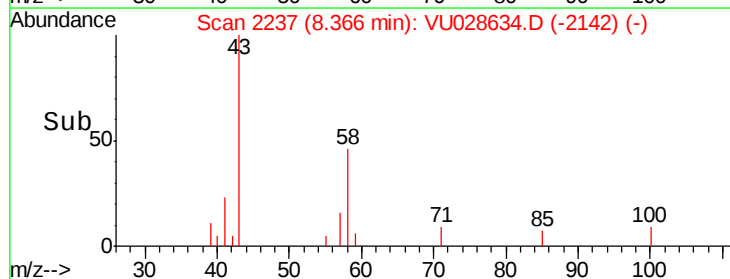
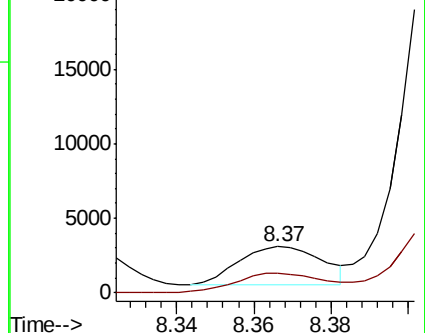
43 100

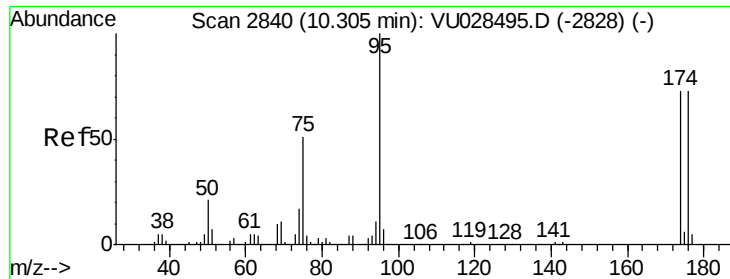
58 58.0 25.9 77.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

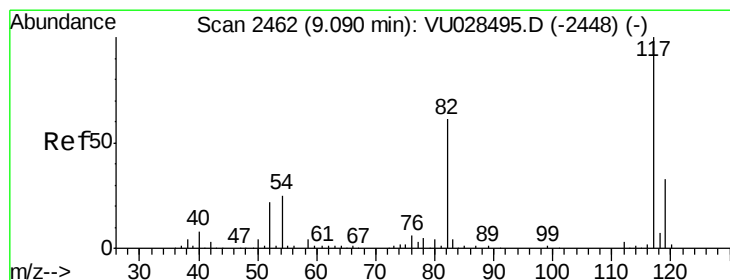
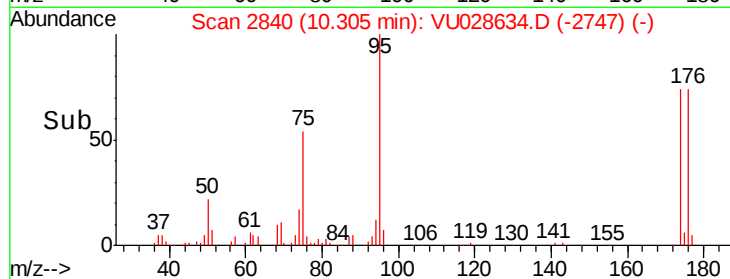
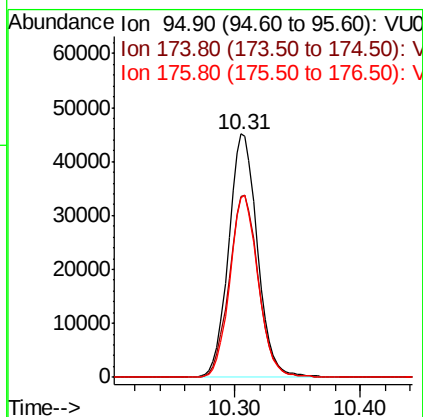
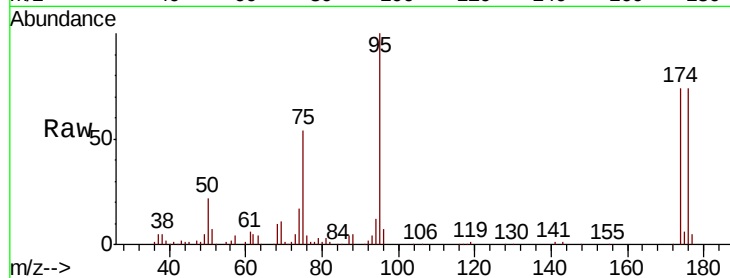




#62
 4-Bromofluorobenzene
 Concen: 46.956 ug/l
 RT: 10.31 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VU028634.D
 Acq: 12 Dec 2018 02:05

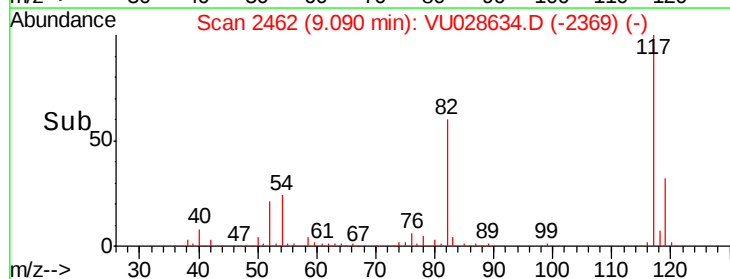
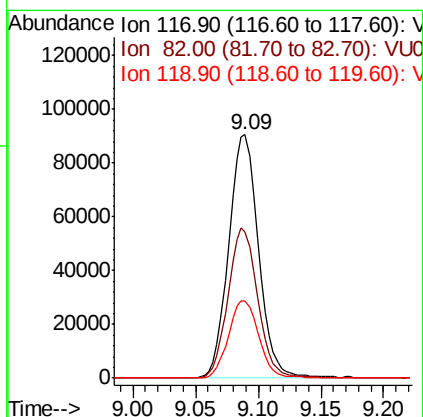
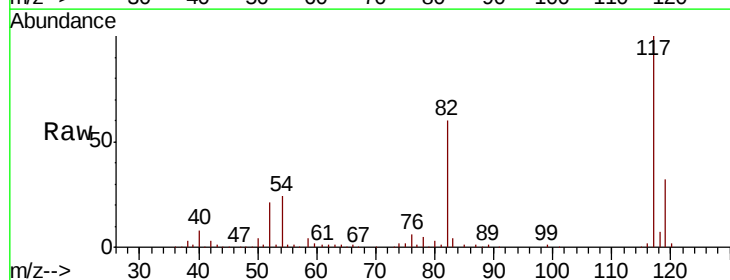
Instrument :
 MSVOA_U
 ClientSampleId :
 OWS

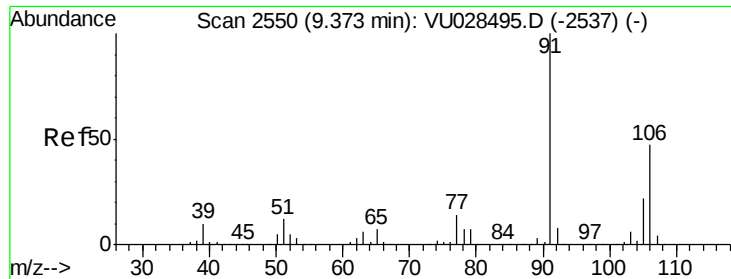
Tot Ion: 95 Resp: 71447
 Ion Ratio Lower Upper
 95 100
 174 76.7 0.0 150.4
 176 74.3 0.0 145.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VU028634.D
 Acq: 12 Dec 2018 02:05

Tgt Ion: 117 Resp: 150088
 Ion Ratio Lower Upper
 117 100
 82 60.2 48.9 73.3
 119 31.8 26.2 39.4

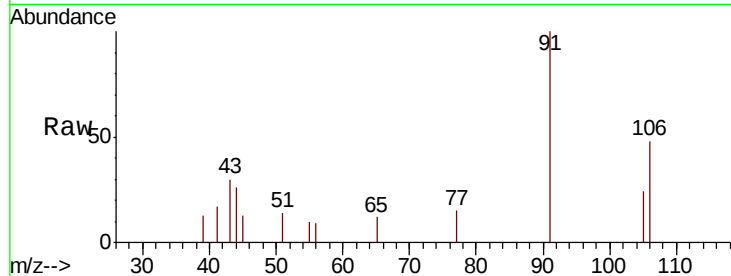




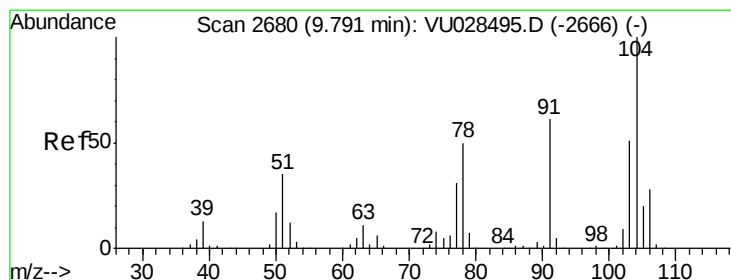
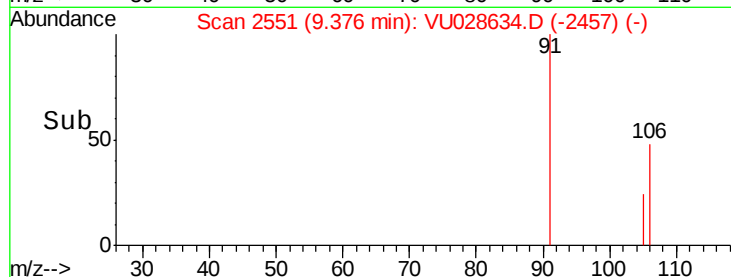
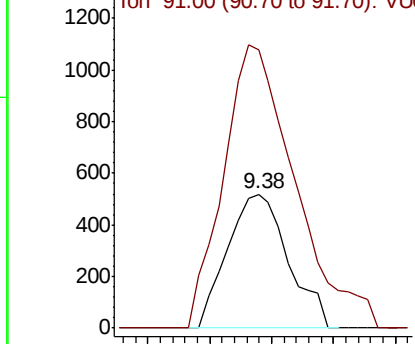
#68
m/p-Xylenes
Concen: 0.332 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028634.D
Acq: 12 Dec 2018 02:05

Instrument :
MSVOA_U
ClientSampleId :
OWS

Tot Ion:106 Resp: 711
Ion Ratio Lower Upper
106 100
91 248.4 167.4 251.0

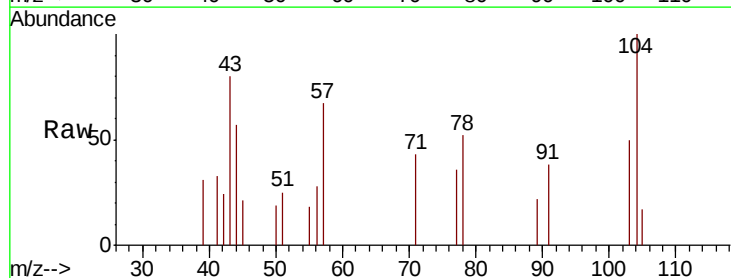


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

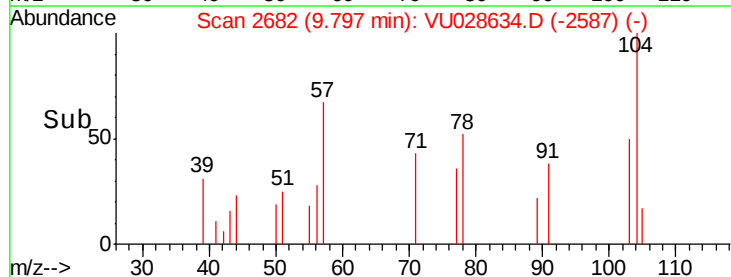
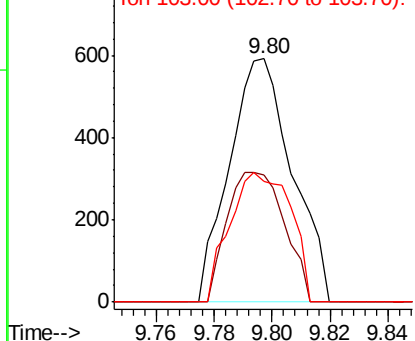


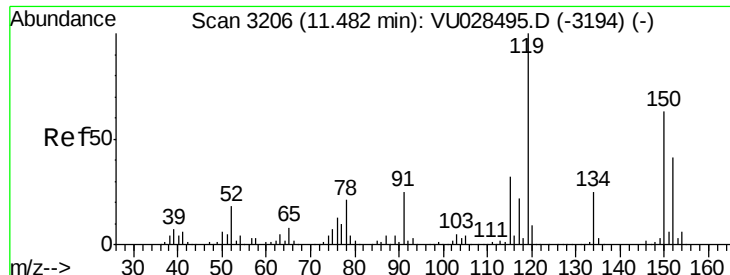
#70
Styrene
Concen: 0.260 ug/l
RT: 9.80 min Scan# 2682
Delta R.T. 0.01 min
Lab File: VU028634.D
Acq: 12 Dec 2018 02:05

Tgt Ion:104 Resp: 893
Ion Ratio Lower Upper
104 100
78 48.6 43.0 64.6
103 51.4 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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU028634.D

Acq: 12 Dec 2018 02:05

Instrument :

MSVOA_U

ClientSampleId :

OVS

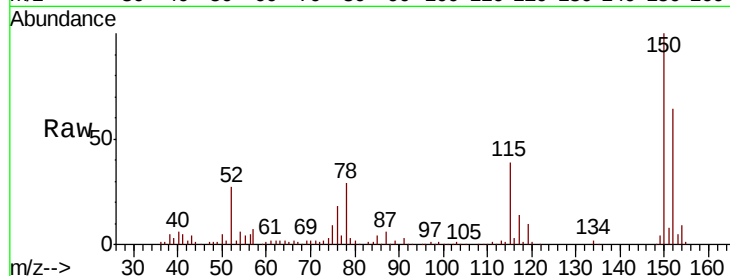
Tot Ion:152 Resp: 64639

Ion Ratio Lower Upper

152 100

115 61.3 42.7 128.1

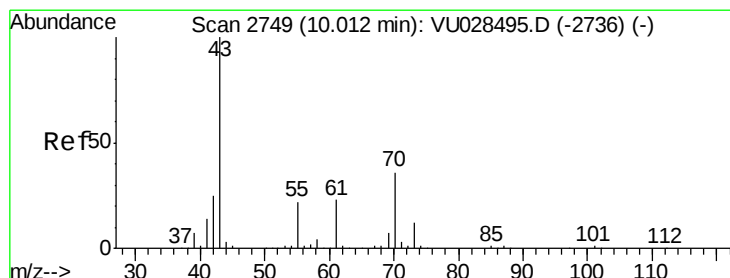
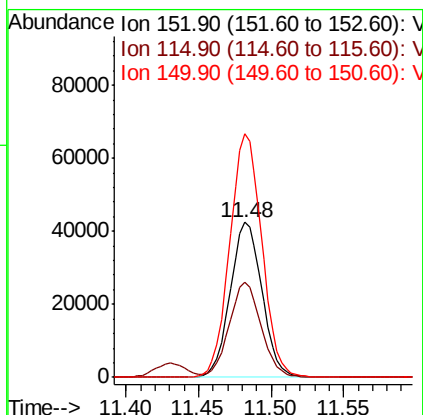
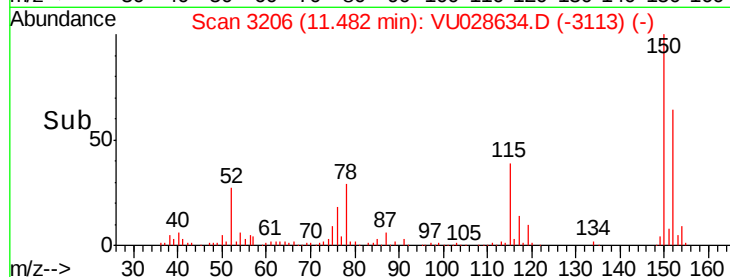
150 157.9 0.0 346.0



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



#74

N-ethyl acetate

Concen: 1.265 ug/l

RT: 10.03 min Scan# 2754

Delta R.T. 0.02 min

Lab File: VU028634.D

Acq: 12 Dec 2018 02:05

Tgt Ion: 43 Resp: 3619

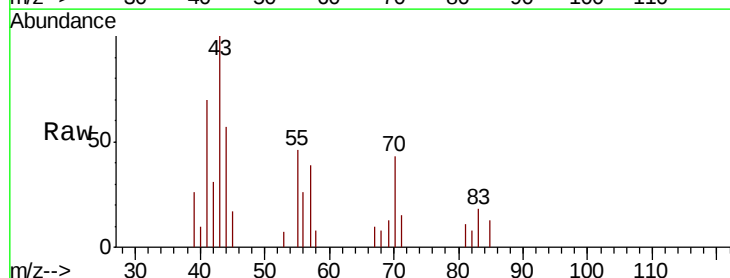
Ion Ratio Lower Upper

43 100

70 39.0 29.3 43.9

55 30.0 18.0 27.0#

61 0.0 18.3 27.5#

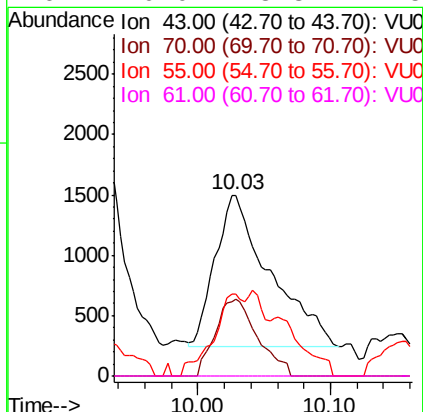
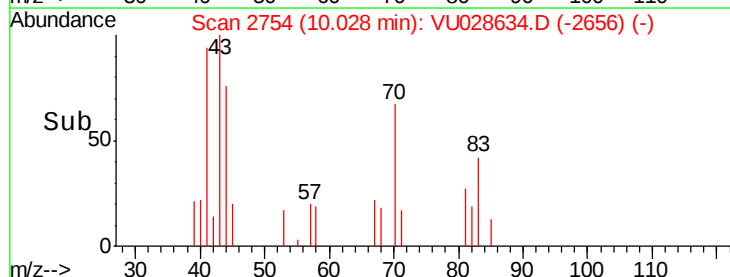


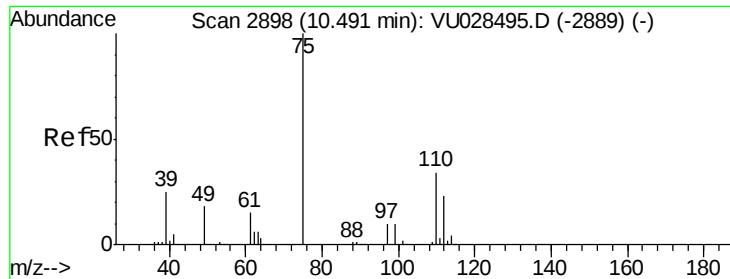
Abundance Ion 43.00 (42.70 to 43.70): VU0

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





#76

1,2,3-Trichloropropane

Concen: 23.033 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028634.D

Acq: 12 Dec 2018 02:05

Instrument :

MSVOA_U

ClientSampleId :

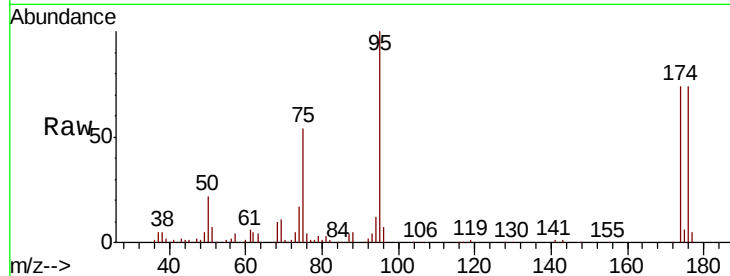
OVS

Tot Ion: 75 Resp: 38018

Ion Ratio Lower Upper

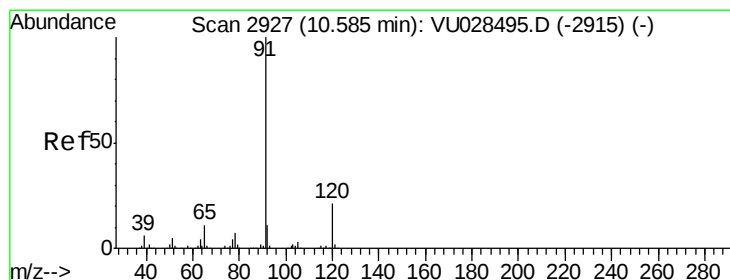
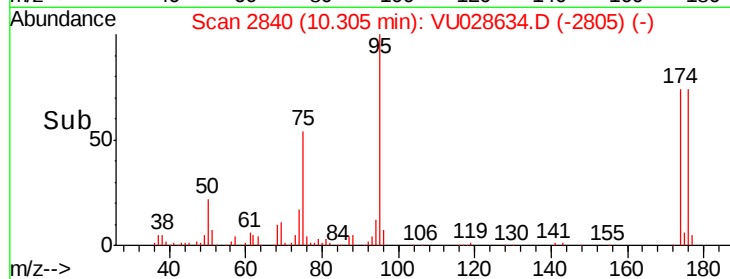
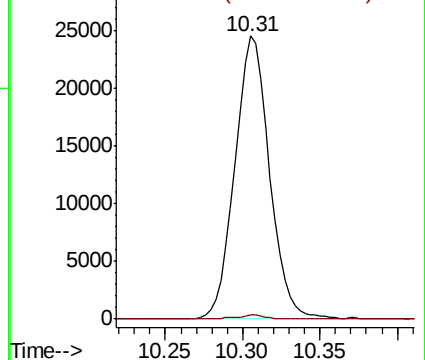
75 100

77 1.1 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#78

n-propylbenzene

Concen: 0.254 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028634.D

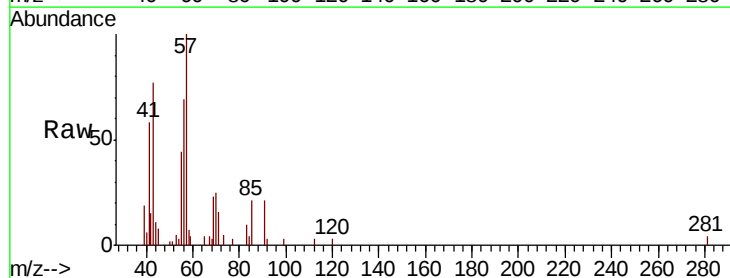
Acq: 12 Dec 2018 02:05

Tgt Ion: 91 Resp: 1563

Ion Ratio Lower Upper

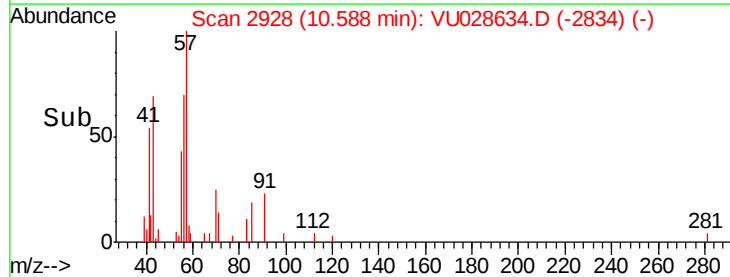
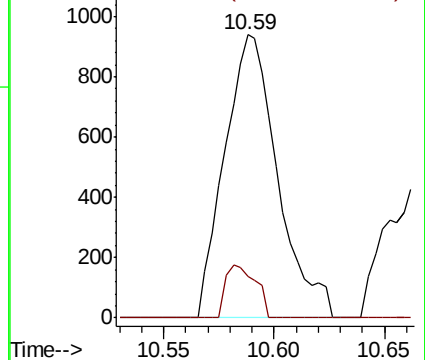
91 100

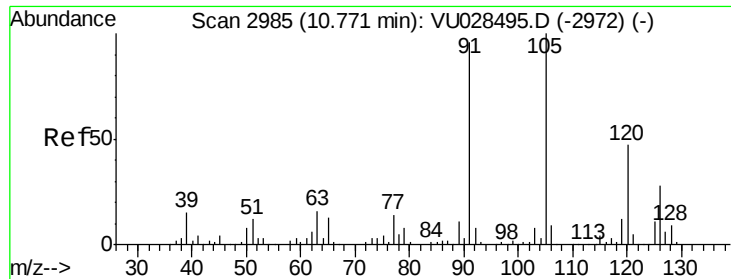
120 10.6 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.292 ug/l

RT: 10.77 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU028634.D

Acq: 12 Dec 2018 02:05

Instrument :

MSVOA_U

ClientSampleId :

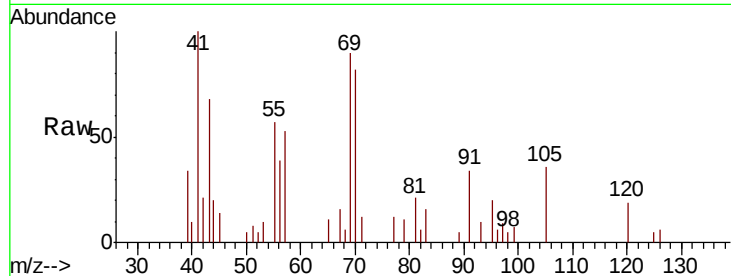
OVS

Tot Ion:105 Resp: 1199

Ion Ratio Lower Upper

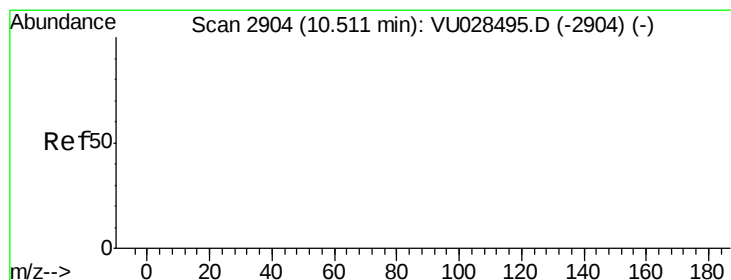
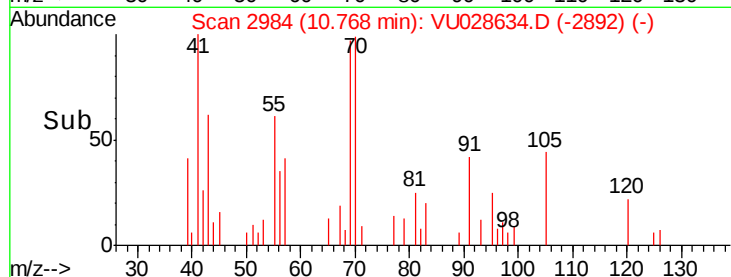
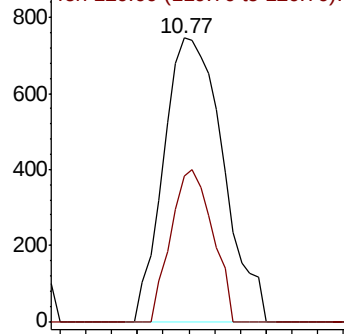
105 100

120 37.5 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 56.562 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028634.D

Acq: 12 Dec 2018 02:05

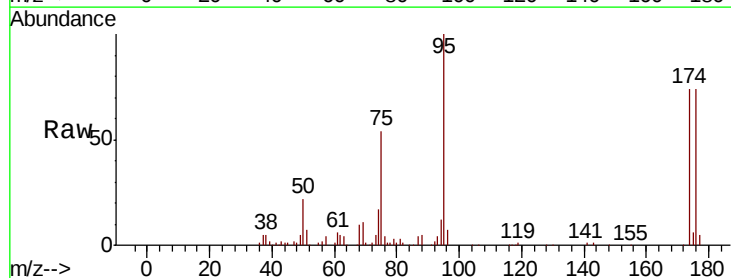
Tgt Ion: 75 Resp: 38018

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

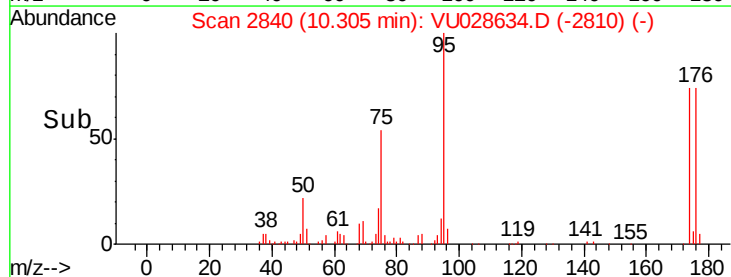
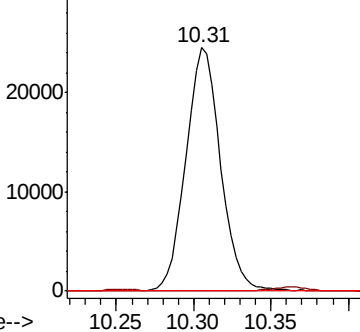
89 0.0 0.0 0.0

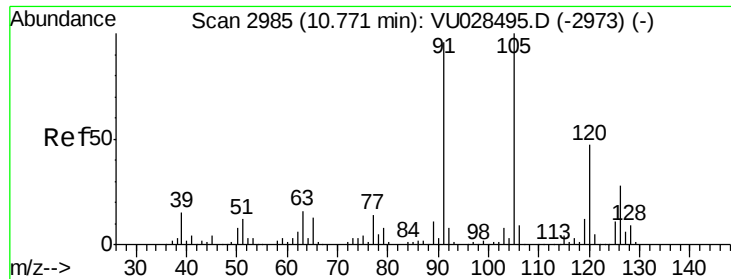


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

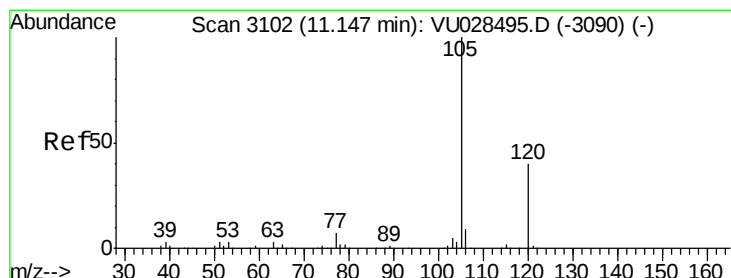
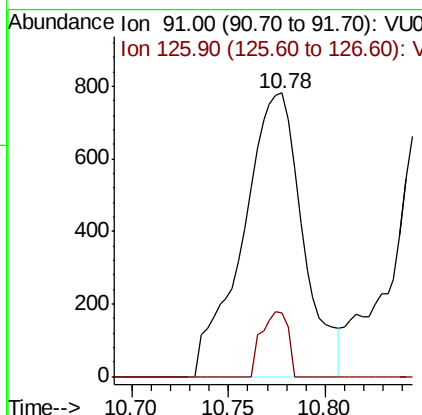
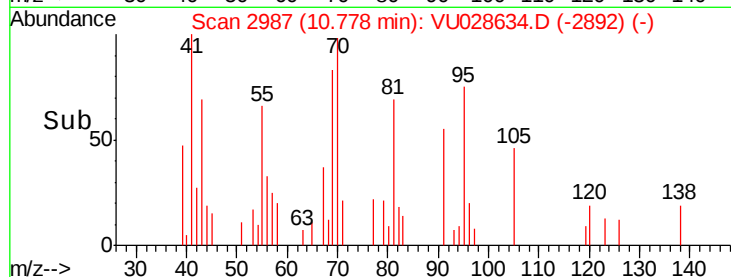
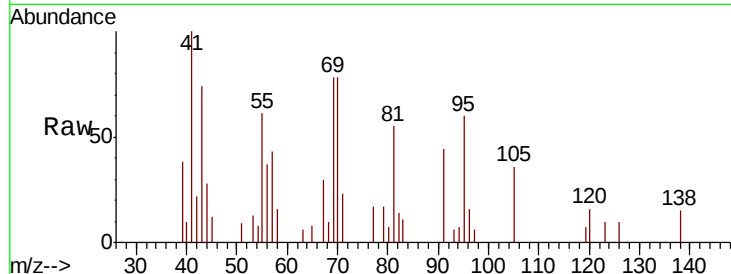




#82
 4-Chlorotoluene
 Concen: 0.401 ug/l
 RT: 10.78 min Scan# 2987
 Delta R.T. 0.01 min
 Lab File: VU028634.D
 Acq: 12 Dec 2018 02:05

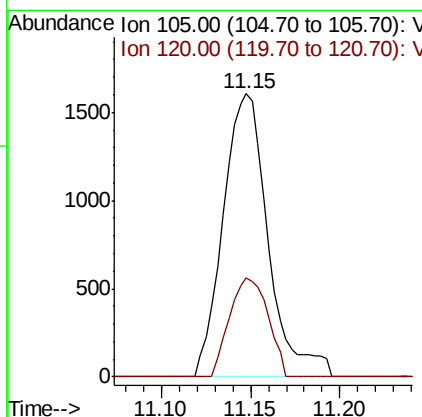
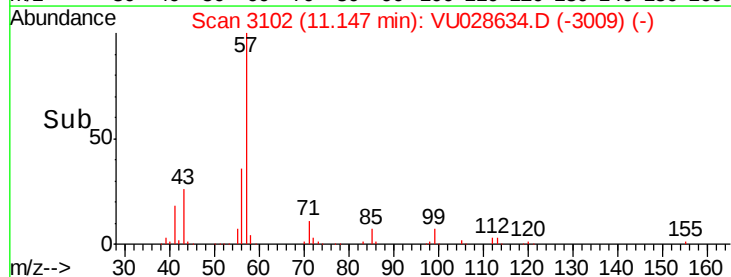
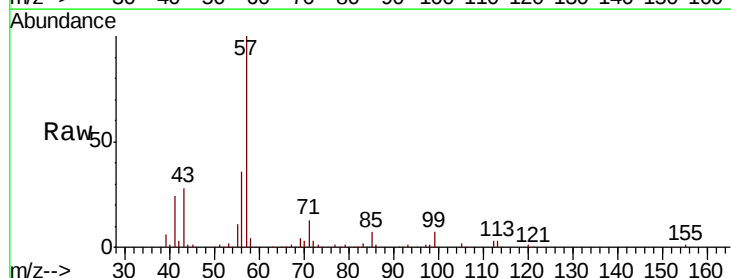
Instrument :
 MSVOA_U
 ClientSampled :
 OWS

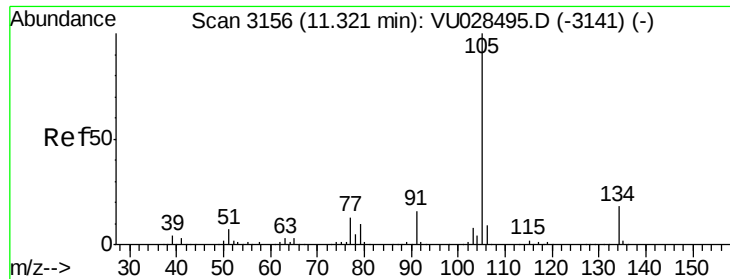
Tot Ion: 91 Resp: 1686
 Ion Ratio Lower Upper
 91 100
 126 10.1 14.1 42.3#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.666 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028634.D
 Acq: 12 Dec 2018 02:05

Tgt Ion: 105 Resp: 2818
 Ion Ratio Lower Upper
 105 100
 120 30.0 21.8 65.4

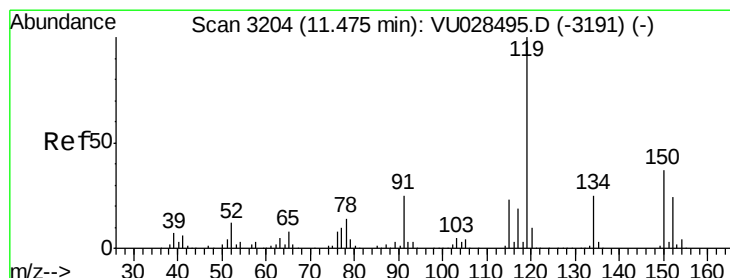
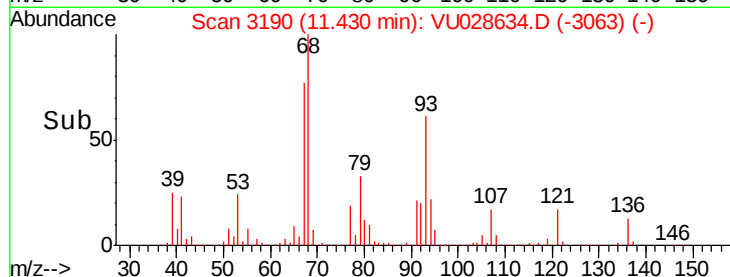
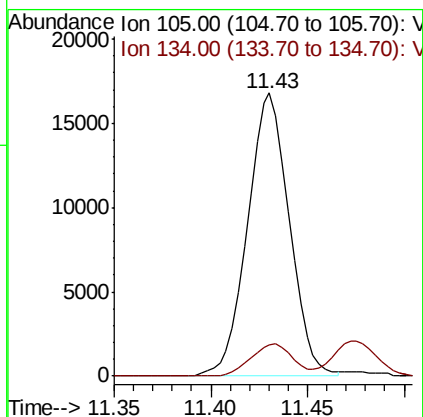
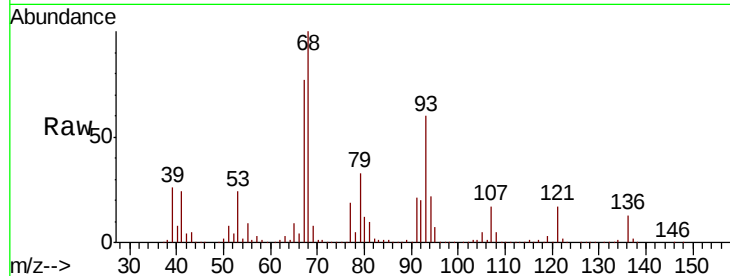




#85
 sec-Butylbenzene
 Concen: 4.961 ug/l
 RT: 11.43 min Scan# 3190
 Delta R.T. 0.11 min
 Lab File: VU028634.D
 Acq: 12 Dec 2018 02:05

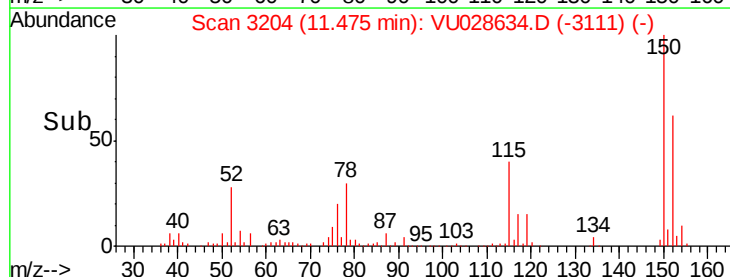
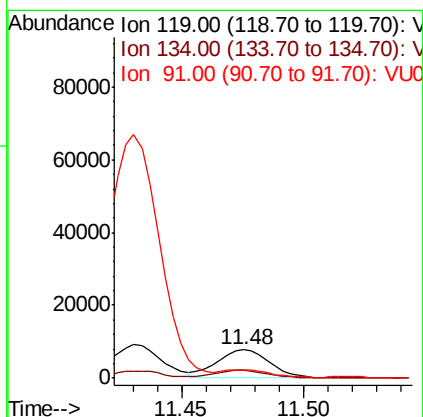
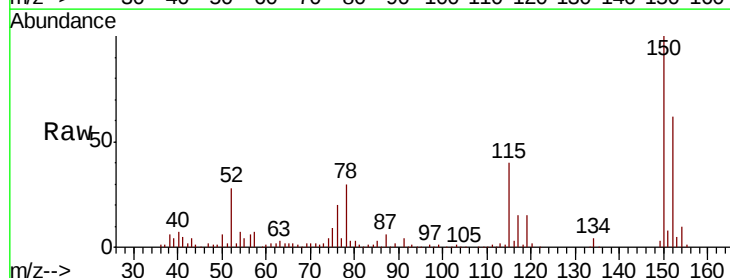
Instrument :
 MSVOA_U
 ClientSampleId :
 OWS

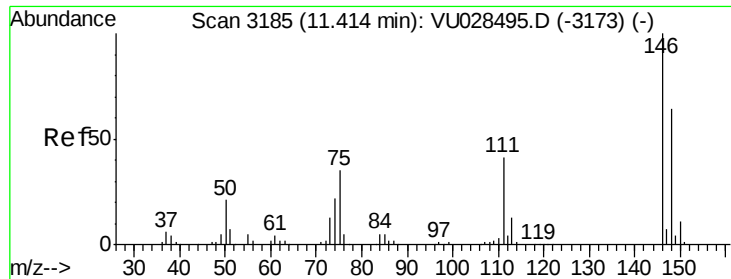
Tot Ion:105 Resp: 25223
 Ion Ratio Lower Upper
 105 100
 134 11.6 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 2.720 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU028634.D
 Acq: 12 Dec 2018 02:05

Tgt Ion:119 Resp: 11746
 Ion Ratio Lower Upper
 119 100
 134 27.7 12.7 38.1
 91 0.0 12.6 37.6#

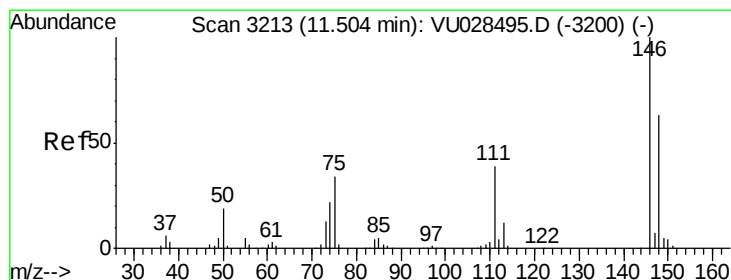
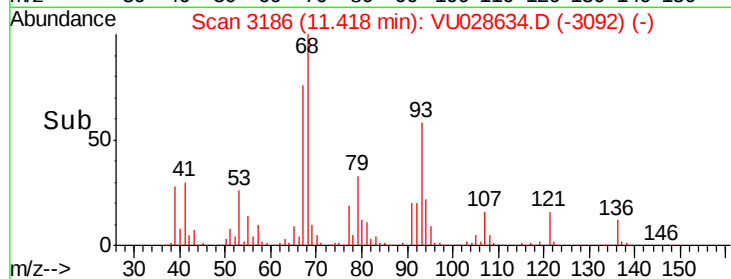
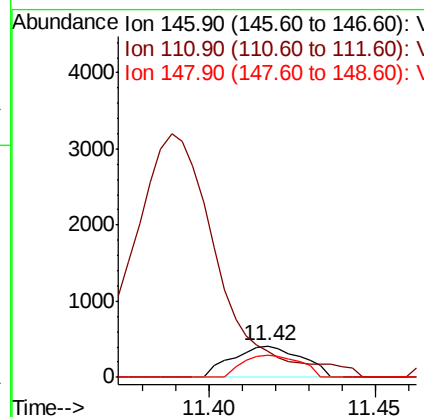
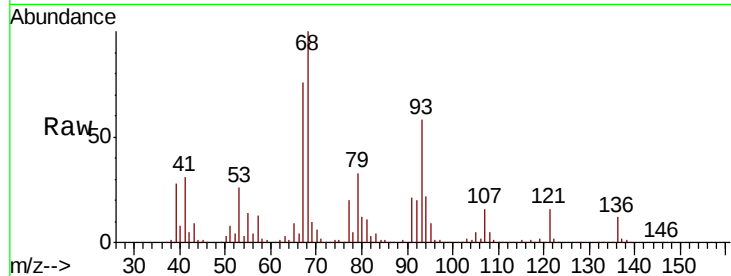




#87
 1,3-Dichlorobenzene
 Concen: 0.271 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU028634.D
 Acq: 12 Dec 2018 02:05

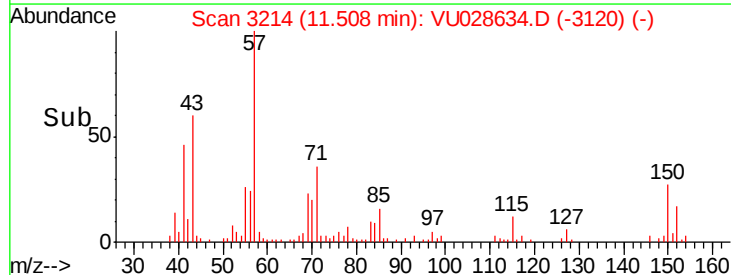
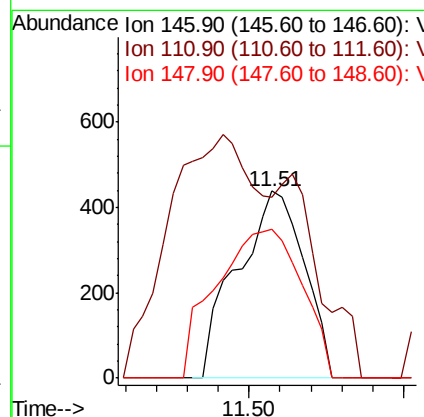
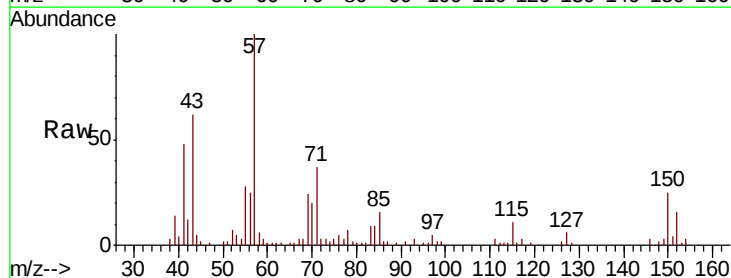
Instrument :
 MSVOA_U
 ClientSampled :
 OWS

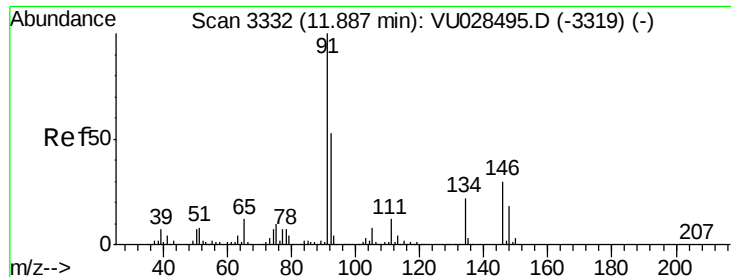
Tot Ion:146 Resp: 594
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.7 62.1#
 148 58.9 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 0.291 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028634.D
 Acq: 12 Dec 2018 02:05

Tgt Ion:146 Resp: 659
 Ion Ratio Lower Upper
 146 100
 111 181.0 20.2 60.5#
 148 102.0 31.6 95.0#

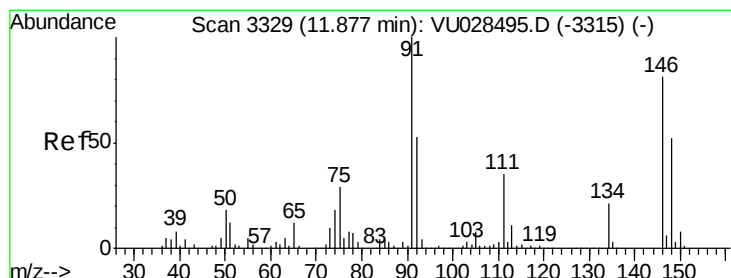
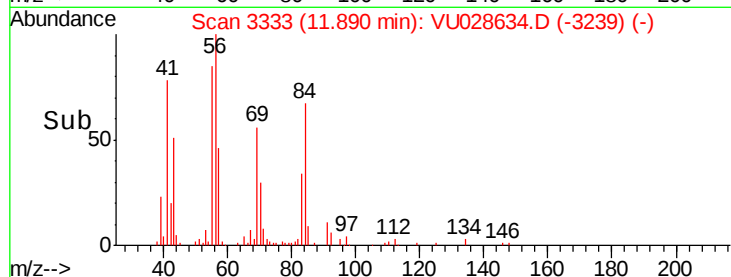
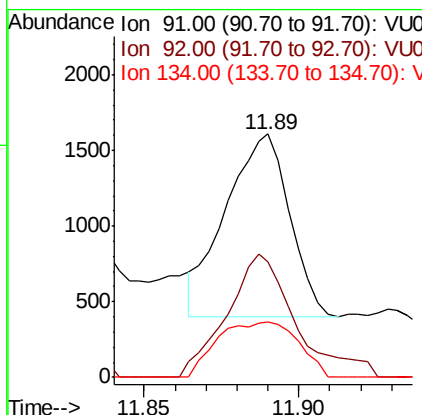
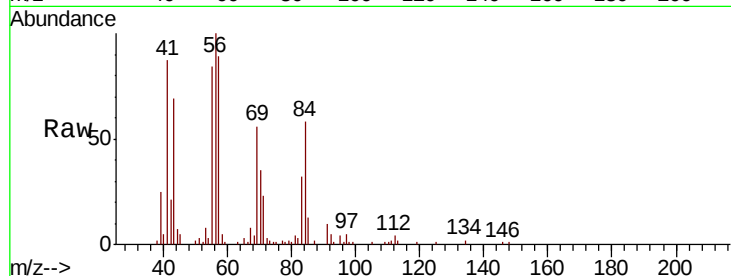




#89
n-Butylbenzene
Concen: 0.395 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU028634.D
Acq: 12 Dec 2018 02:05

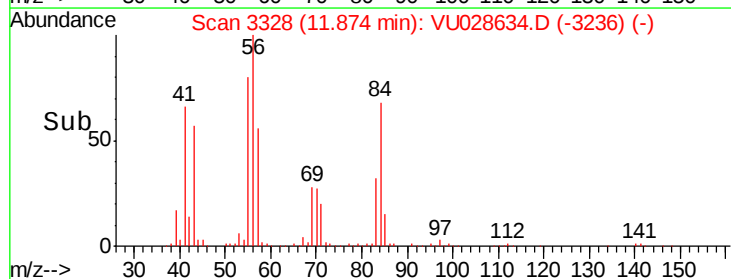
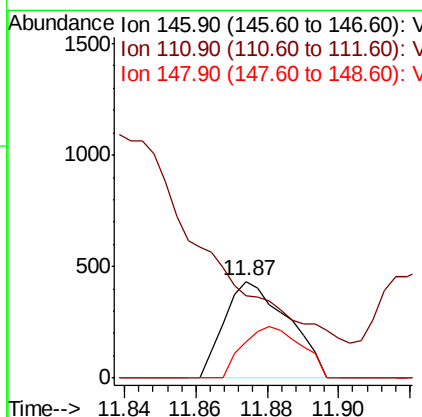
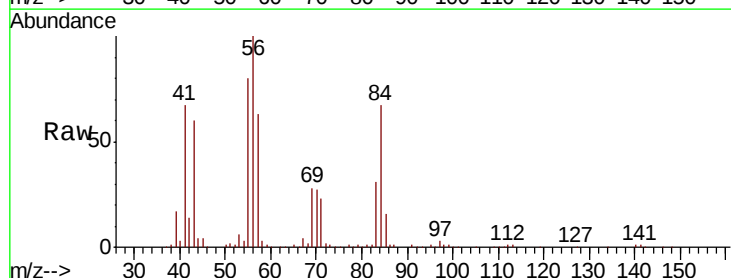
Instrument :
MSVOA_U
ClientSampled :
OWS

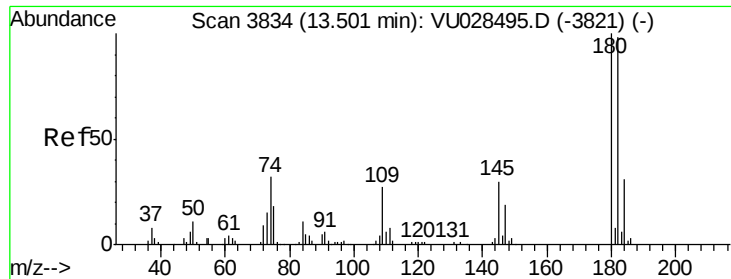
Tot Ion: 91 Resp: 1727
Ion Ratio Lower Upper
91 100
92 73.0 26.3 78.9
134 38.6 11.3 33.8#



#91
1,2-Dichlorobenzene
Concen: 0.244 ug/l
RT: 11.87 min Scan# 3328
Delta R.T. -0.00 min
Lab File: VU028634.D
Acq: 12 Dec 2018 02:05

Tgt Ion: 146 Resp: 535
Ion Ratio Lower Upper
146 100
111 0.0 21.1 63.4#
148 48.6 31.4 94.2

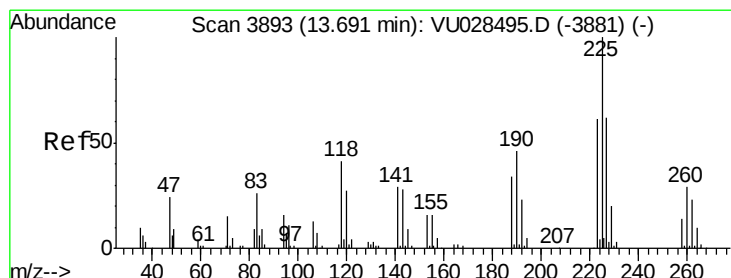
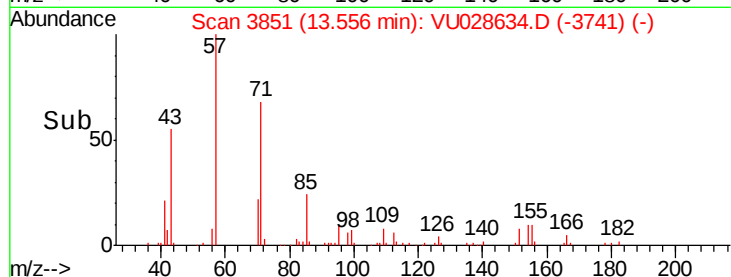
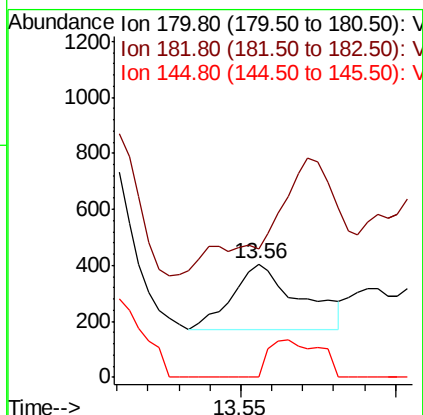
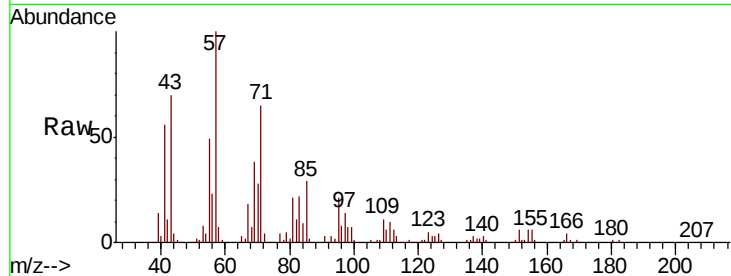




#93
 1,2,4-Trichlorobenzene
 Concen: 1.073 ug/l
 RT: 13.56 min Scan# 3851
 Delta R.T. 0.05 min
 Lab File: VU028634.D
 Acq: 12 Dec 2018 02:05

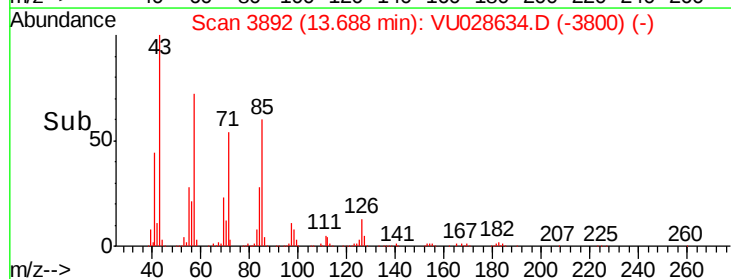
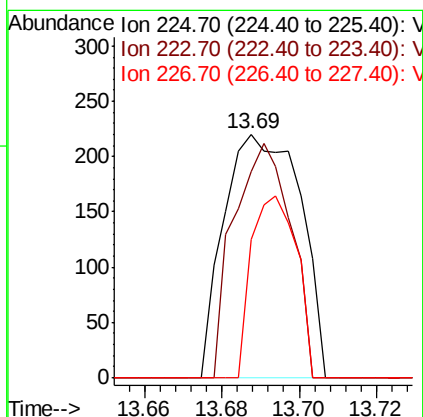
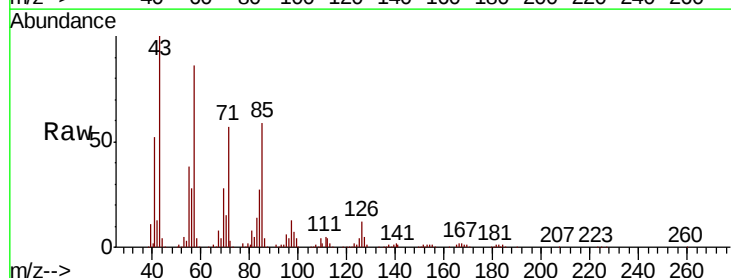
Instrument :
 MSVOA_U
 ClientSampleId :
 OWS

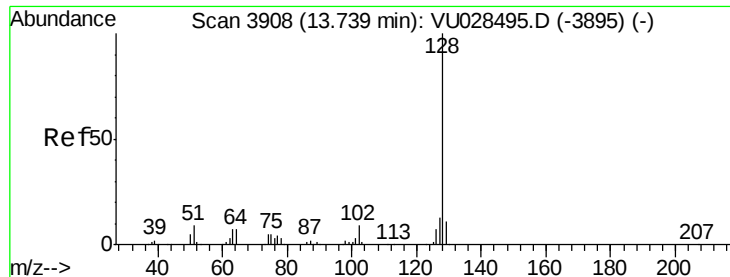
Tot Ion:180 Resp: 351
 Ion Ratio Lower Upper
 180 100
 182 96.9 47.9 143.8
 145 43.0 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 0.421 ug/l
 RT: 13.69 min Scan# 3892
 Delta R.T. -0.00 min
 Lab File: VU028634.D
 Acq: 12 Dec 2018 02:05

Tgt Ion:225 Resp: 302
 Ion Ratio Lower Upper
 225 100
 223 71.9 30.4 91.2
 227 44.0 30.7 92.1





#95

Naphthalene

Concen: 1.413 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028634.D

Acq: 12 Dec 2018 02:05

Instrument :

MSVOA_U

ClientSampleId :

OWS

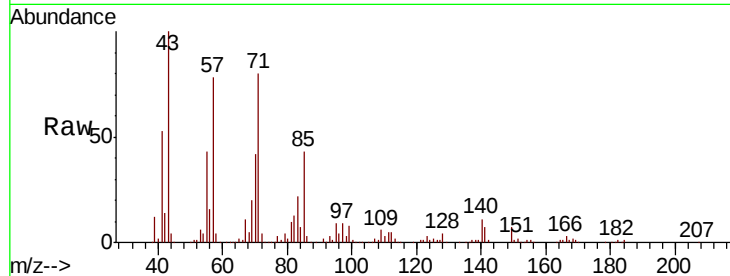
Tot Ion:128 Resp: 7429

Ion Ratio Lower Upper

128 100

127 24.6 10.4 15.6#

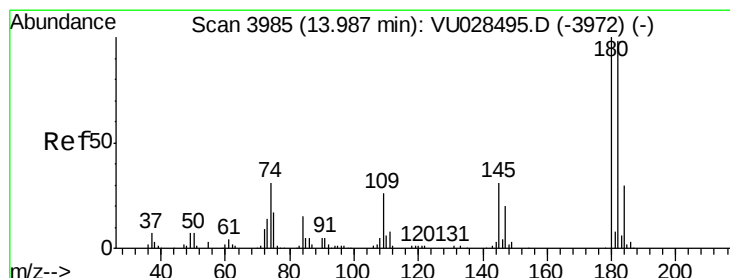
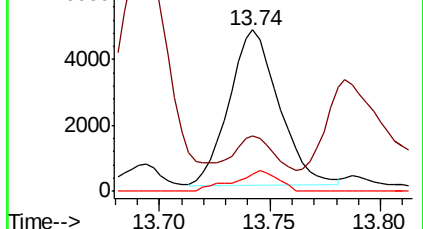
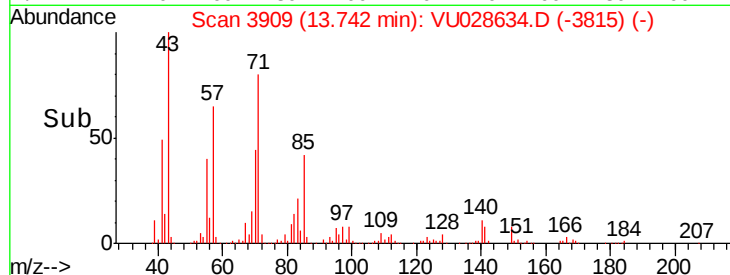
129 11.5 8.6 13.0



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: 0.861 ug/l

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU028634.D

Acq: 12 Dec 2018 02:05

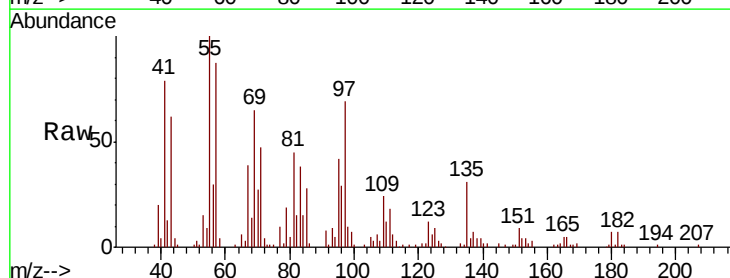
Tgt Ion:180 Resp: 1074

Ion Ratio Lower Upper

180 100

182 165.9 48.2 144.6#

145 100.5 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

