

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120518\
 Data File : VU028473.D
 Acq On : 05 Dec 2018 12:29
 Operator : MD/SY
 Sample : J6208-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-2

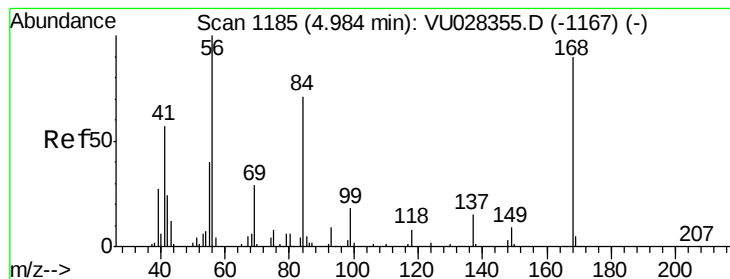
Quant Time: Dec 06 01:32:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	385743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	714755	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	652677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	299815	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	295517	45.84	ug/l	0.00
Spiked Amount			Recovery	=	91.68%	
35) Dibromofluoromethane	4.88	113	89213	18.77	ug/l	0.00
Spiked Amount			Recovery	=	37.54%	
50) Toluene-d8	7.57	98	909818	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
62) 4-Bromofluorobenzene	10.30	95	326479	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	2941	2.008	ug/l #	84
16) Acetone	2.32	43	135859	34.450	ug/l	97
18) Methyl Acetate	2.45	43	11591	1.056	ug/l #	58
20) Methylene Chloride	2.70	84	176154	31.642	ug/l	90
23) Vinyl Acetate	3.60	43	4739	0.269	ug/l #	77
25) 2-Butanone	4.28	43	18504	3.274	ug/l	95
29) Tetrahydrofuran	4.66	42	1654	0.451	ug/l #	66
31) Cyclohexane	4.98	56	8919	0.449	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	31675	4.050	ug/l #	50
37) Ethyl Acetate	4.28	43	18504	1.736	ug/l #	71
38) Carbon Tetrachloride	4.98	117	37129	5.781	ug/l #	17
48) Methyl methacrylate	6.53	41	20970	2.383	ug/l #	24
51) 4-Methyl-2-Pentanone	7.47	43	8886	0.824	ug/l	93
59) 2-Hexanone	8.37	43	3221	0.385	ug/l	93
76) 1,2,3-Trichloropropane	10.30	75	163582	19.675	ug/l #	33
81) trans-1,4-Dichloro-2-buten	10.30	75	163582	52.228	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	5144	0.258	ug/l #	65
95) Naphthalene	13.75	128	39161	4.299	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028473.D

Acq: 05 Dec 2018 12:29

Instrument :

MSVOA_U

ClientSampled :

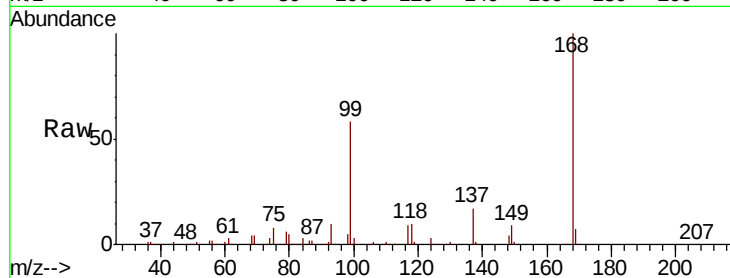
TP-2

Tot Ion:168 Resp: 385743

Ion Ratio Lower Upper

168 100

99 57.7 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028473.D (-1092) (-)

Ion 98.90 (98.60 to 99.60): VU028473.D (-1092) (-)

4.98

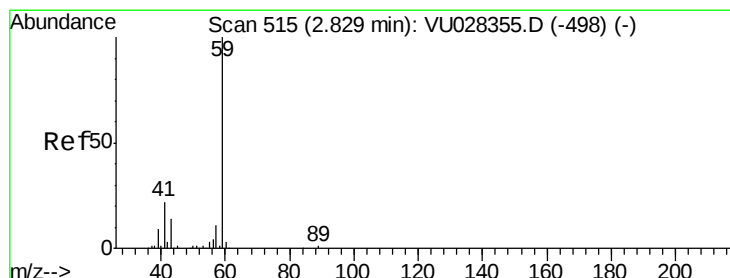
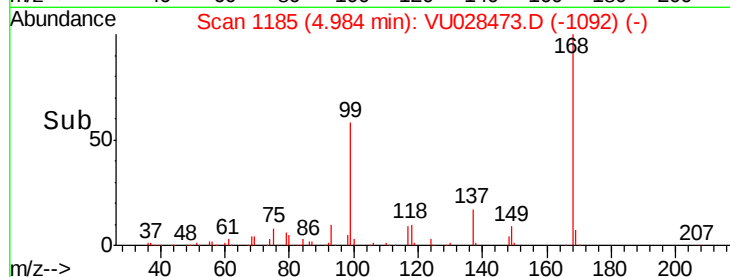
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.008 ug/l

RT: 2.83 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU028473.D

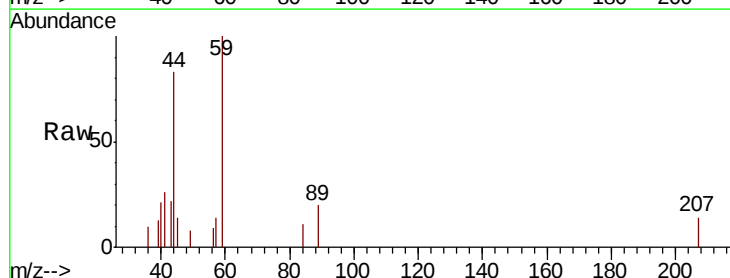
Acq: 05 Dec 2018 12:29

Tgt Ion: 59 Resp: 2941

Ion Ratio Lower Upper

59 100

57 4.5 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VU028473.D (-422) (-)

Ion 57.00 (56.70 to 57.70): VU028473.D (-422) (-)

2.83

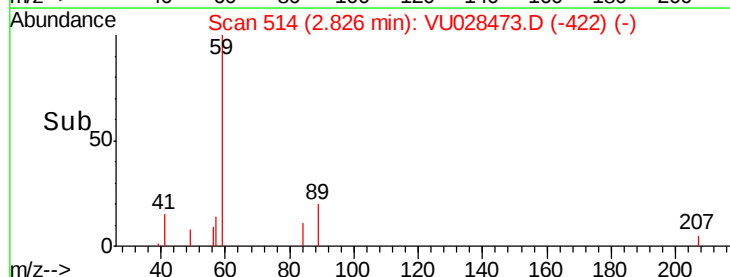
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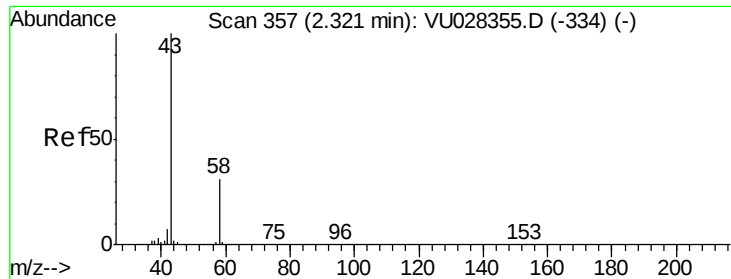
1000

500

0

Time-->





#16

Acetone

Concen: 34.450 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028473.D

Acq: 05 Dec 2018 12:29

Instrument :

MSVOA_U

ClientSampleId :

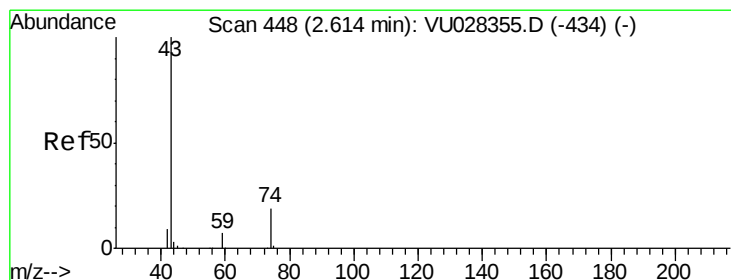
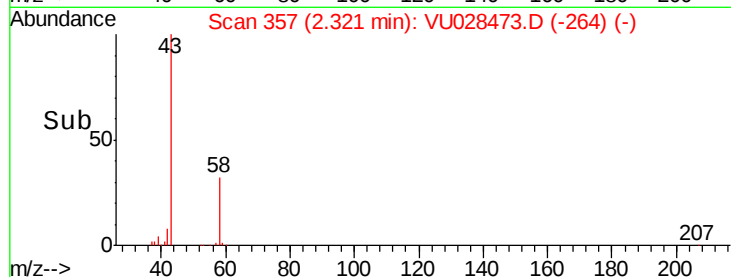
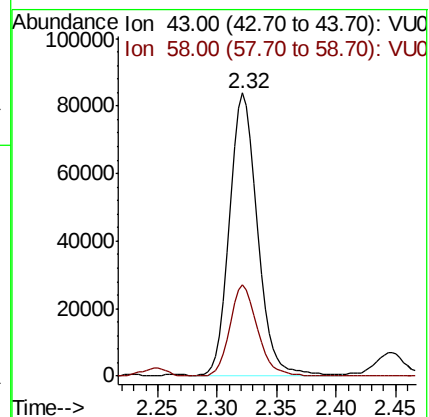
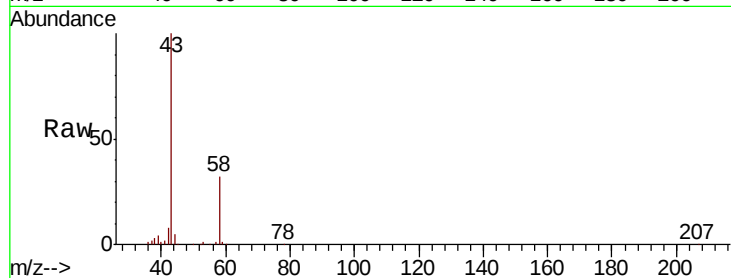
TP-2

Tot Ion: 43 Resp: 135859

Ion Ratio Lower Upper

43 100

58 32.2 24.4 36.6



#18

Methyl Acetate

Concen: 1.056 ug/l

RT: 2.45 min Scan# 396

Delta R.T. -0.17 min

Lab File: VU028473.D

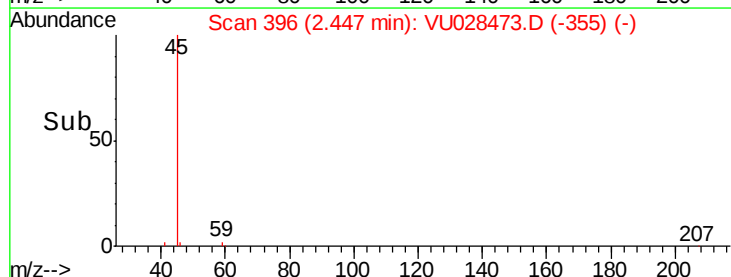
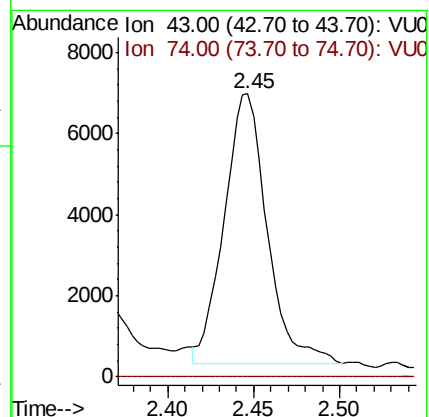
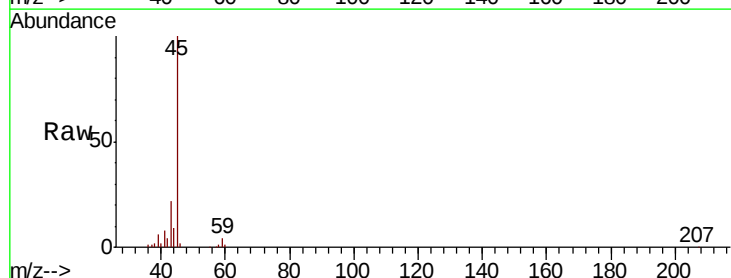
Acq: 05 Dec 2018 12:29

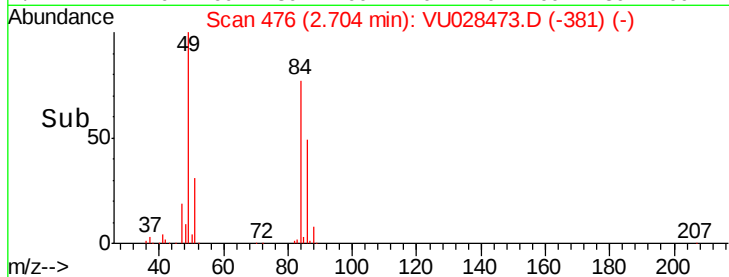
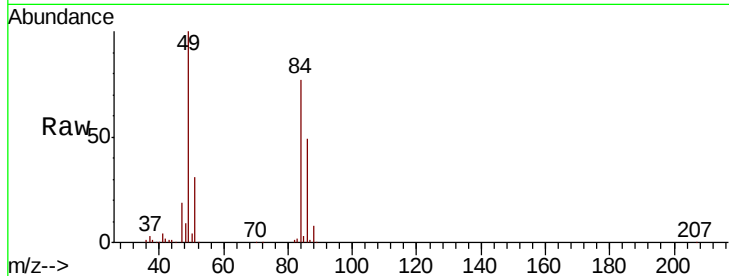
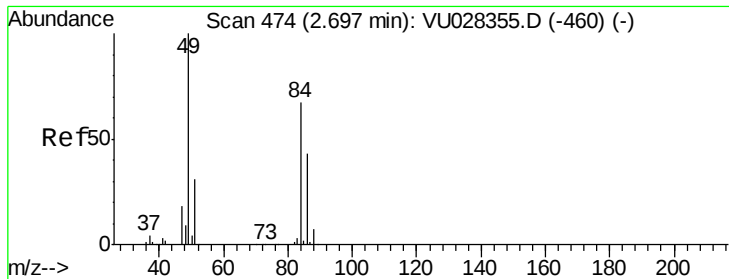
Tgt Ion: 43 Resp: 11591

Ion Ratio Lower Upper

43 100

74 0.0 15.3 22.9#

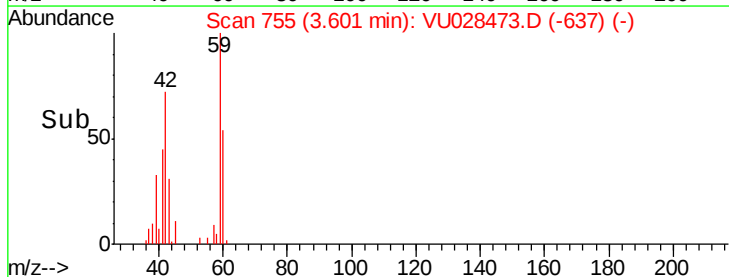
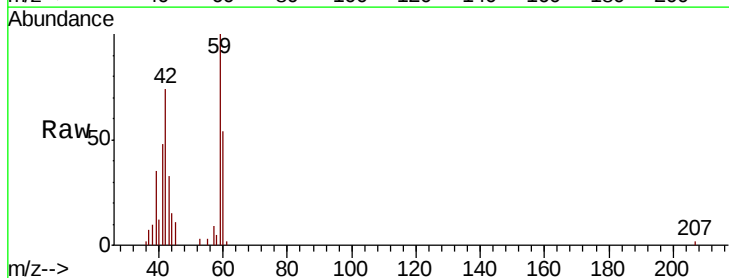
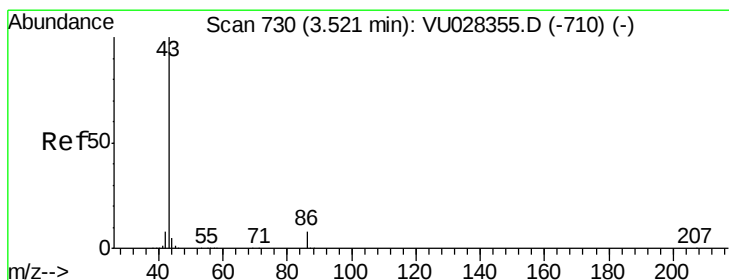
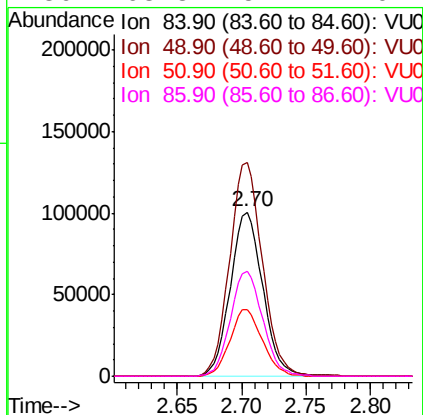




#20
Methylene Chloride
Concen: 31.642 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.01 min
Lab File: VU028473.D
Acq: 05 Dec 2018 12:29

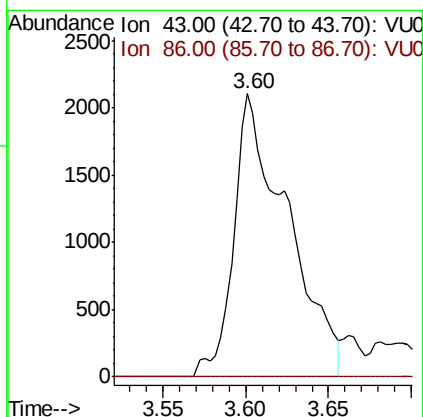
Instrument :
MSVOA_U
ClientSampleId :
TP-2

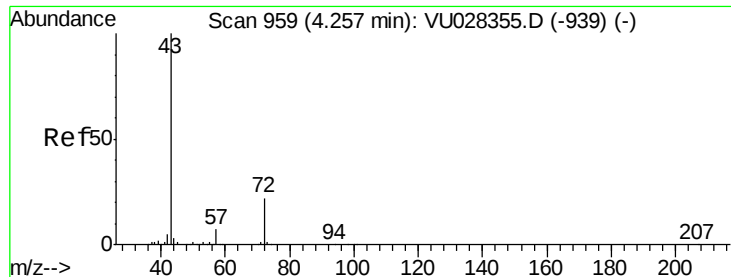
Tot Ion:	84	Resp:	176154
Ion	Ratio	Lower	Upper
84	100		
49	130.1	120.0	180.0
51	40.9	36.9	55.3
86	63.8	51.1	76.7



#23
Vinyl Acetate
Concen: 0.269 ug/l
RT: 3.60 min Scan# 755
Delta R.T. 0.08 min
Lab File: VU028473.D
Acq: 05 Dec 2018 12:29

Tgt Ion:	43	Resp:	4739
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.5	9.7#





#25

2-Butanone

Concen: 3.274 ug/l

RT: 4.28 min Scan# 965

Delta R.T. 0.02 min

Lab File: VU028473.D

Acq: 05 Dec 2018 12:29

Instrument :

MSVOA_U

ClientSampleId :

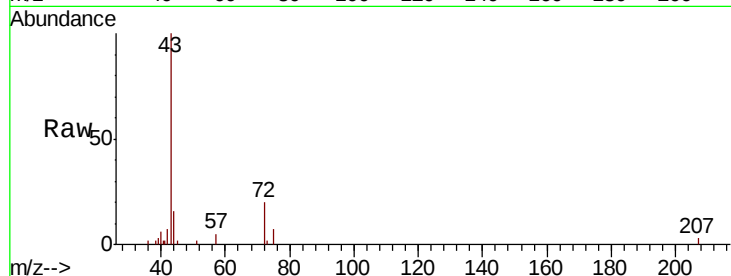
TP-2

Tot Ion: 43 Resp: 18504

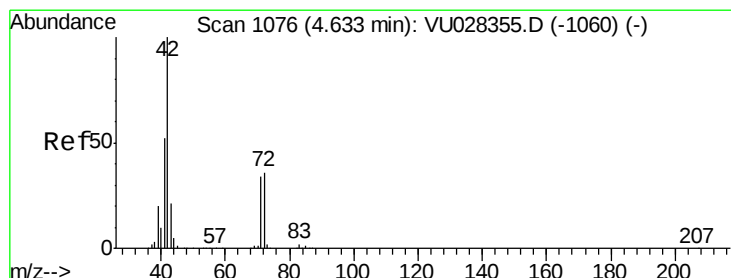
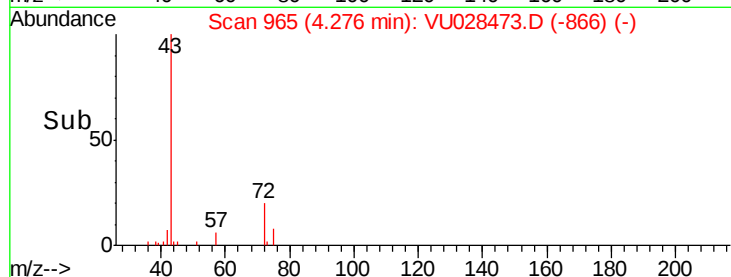
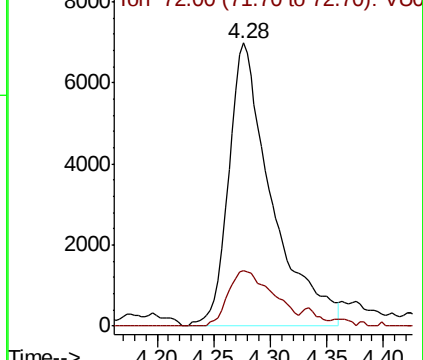
Ion Ratio Lower Upper

43 100

72 19.6 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-939) (-)



#29

Tetrahydrofuran

Concen: 0.451 ug/l

RT: 4.66 min Scan# 1085

Delta R.T. 0.03 min

Lab File: VU028473.D

Acq: 05 Dec 2018 12:29

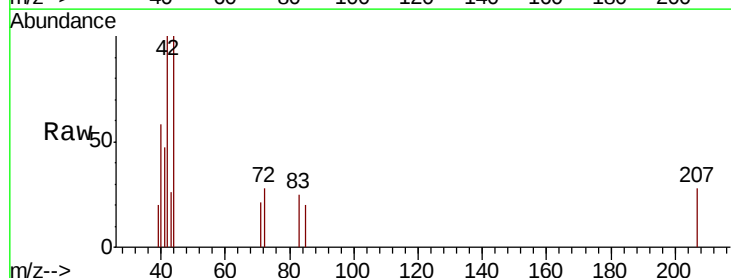
Tgt Ion: 42 Resp: 1654

Ion Ratio Lower Upper

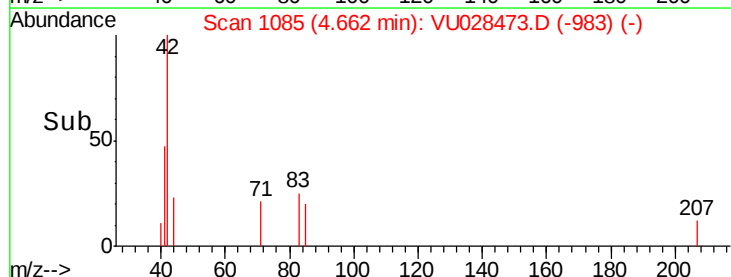
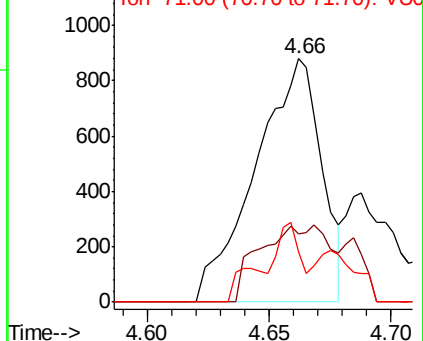
42 100

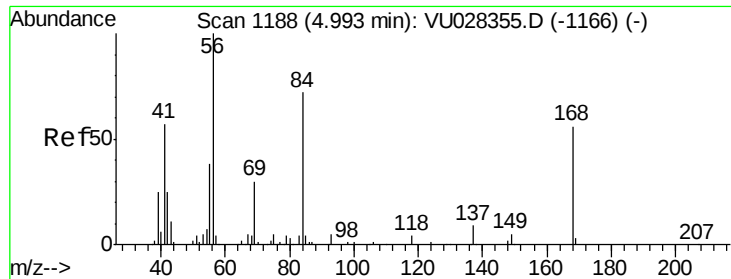
72 20.0 29.5 44.3#

71 11.7 27.7 41.5#



Abundance Ion 42.00 (41.70 to 42.70): VU028355.D (-1060) (-)

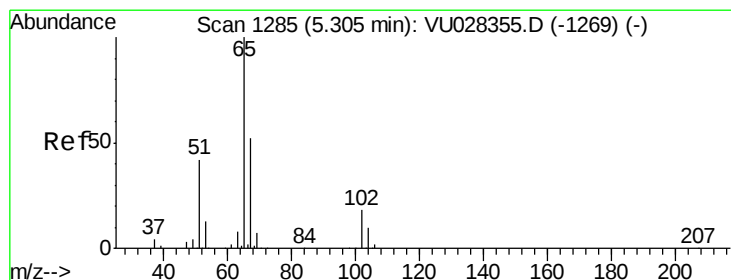
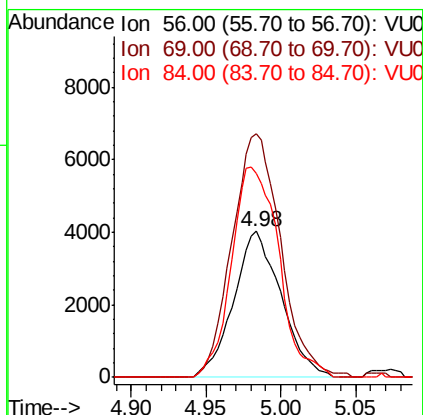
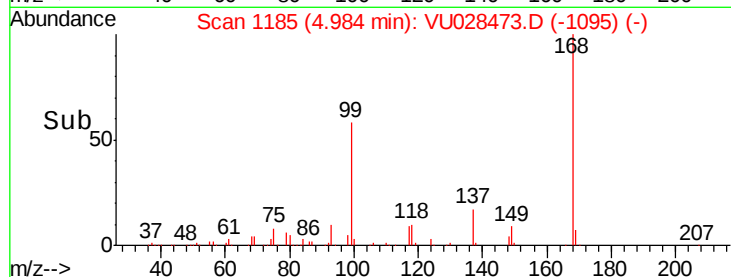
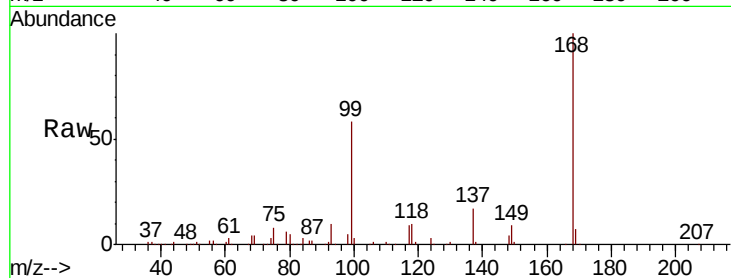




#31
Cyclohexane
Concen: 0.449 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028473.D
Acq: 05 Dec 2018 12:29

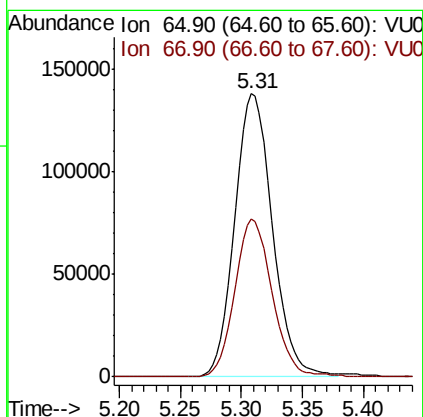
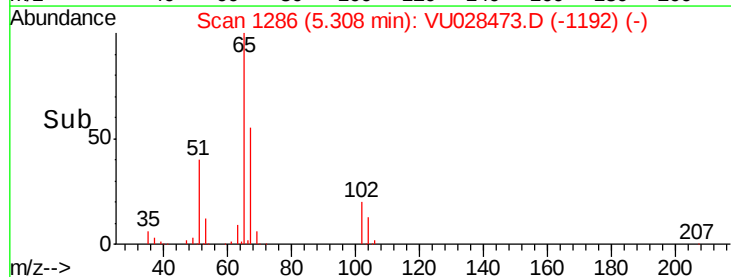
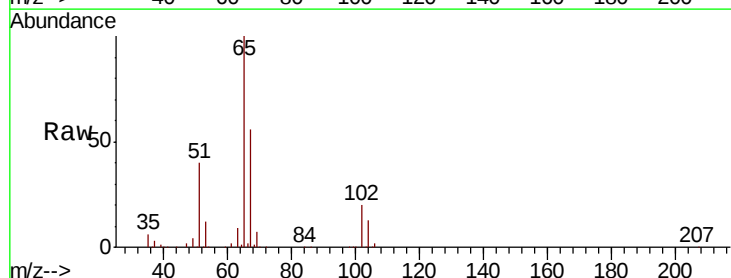
Instrument :
MSVOA_U
ClientSampled :
TP-2

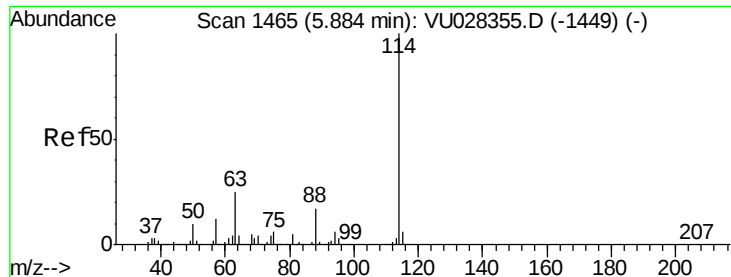
Tot Ion: 56 Resp: 8919
Ion Ratio Lower Upper
56 100
69 167.1 23.7 35.5#
84 140.3 57.3 85.9#



#33
1,2-Dichloroethane-d4
Concen: 45.840 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VU028473.D
Acq: 05 Dec 2018 12:29

Tgt Ion: 65 Resp: 295517
Ion Ratio Lower Upper
65 100
67 55.3 0.0 106.8

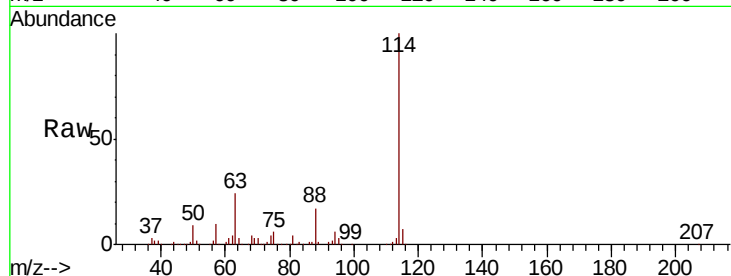




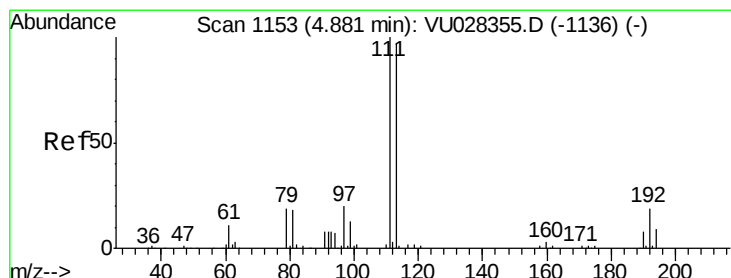
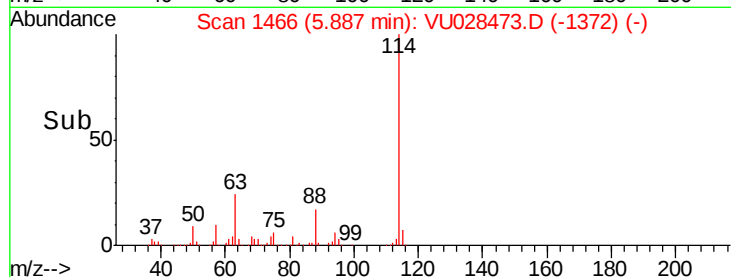
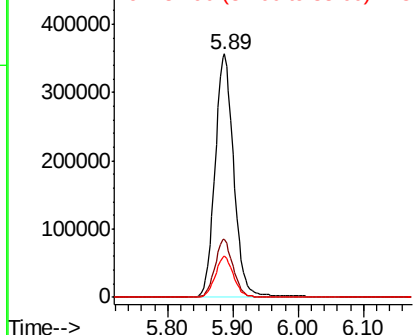
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028473.D
 Acq: 05 Dec 2018 12:29

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-2

Tot Ion:114 Resp: 714755
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 50.0
 88 16.7 0.0 34.4

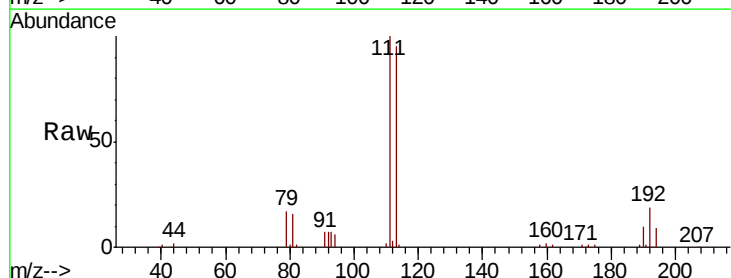


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

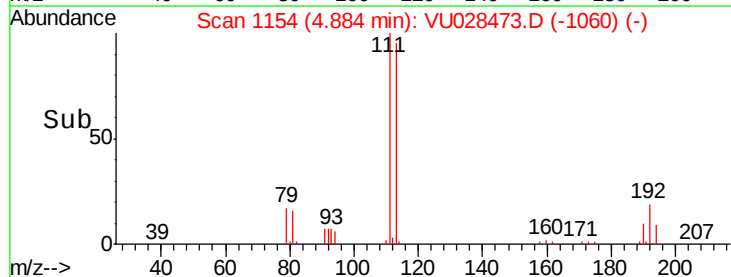
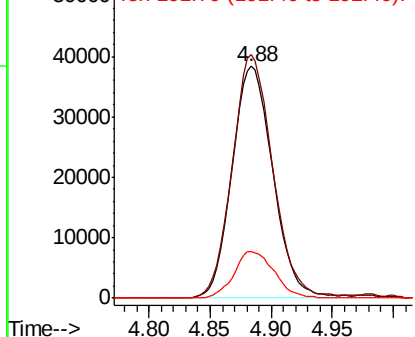


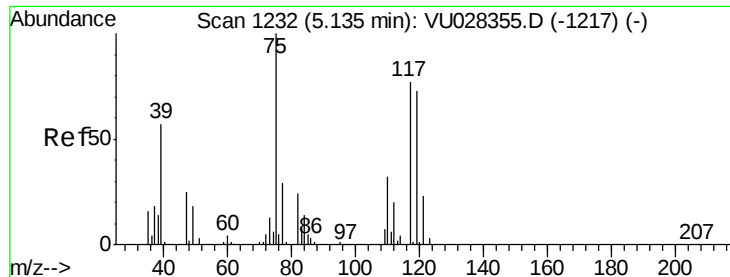
#35
 Dibromofluoromethane
 Concen: 18.770 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028473.D
 Acq: 05 Dec 2018 12:29

Tgt Ion:113 Resp: 89213
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.9 124.3
 192 19.8 15.4 23.0



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: 4.050 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.15 min

Lab File: VU028473.D

Acq: 05 Dec 2018 12:29

Instrument :

MSVOA_U

ClientSampleId :

TP-2

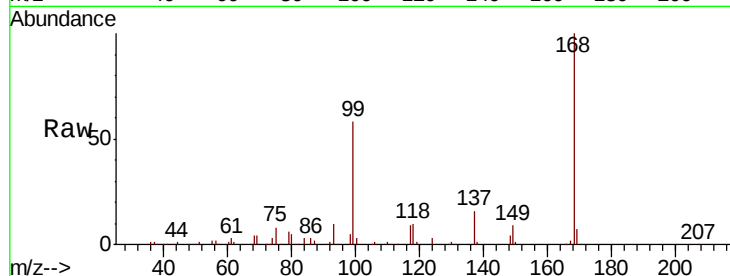
Tot Ion: 75 Resp: 31675

Ion Ratio Lower Upper

75 100

110 6.9 15.8 47.4#

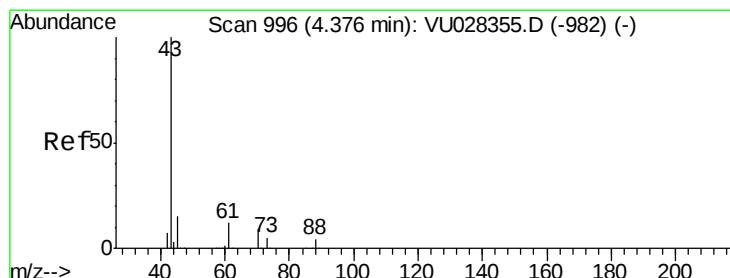
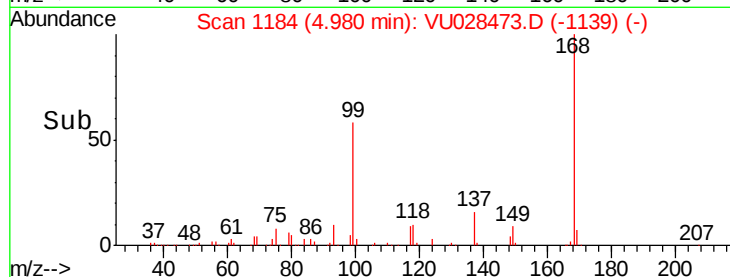
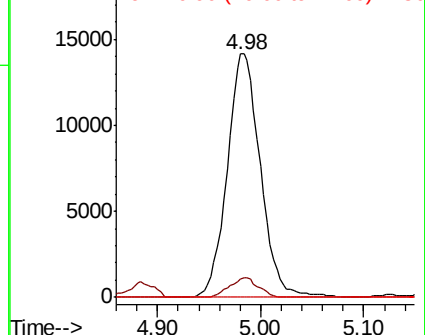
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#37

Ethyl Acetate

Concen: 1.736 ug/l

RT: 4.28 min Scan# 965

Delta R.T. -0.10 min

Lab File: VU028473.D

Acq: 05 Dec 2018 12:29

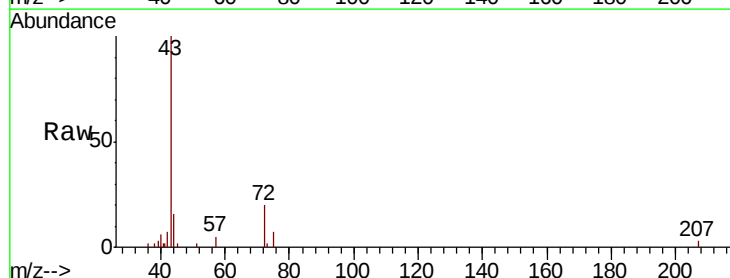
Tgt Ion: 43 Resp: 18504

Ion Ratio Lower Upper

43 100

61 0.3 10.2 15.4#

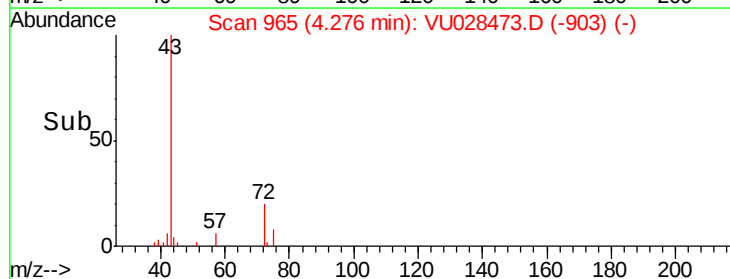
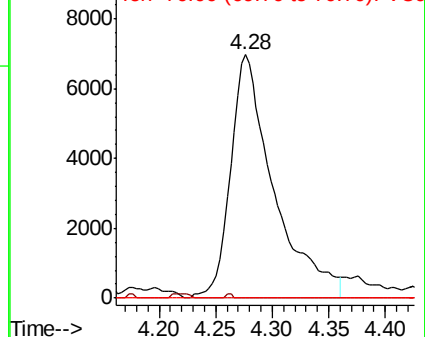
70 0.0 6.9 10.3#

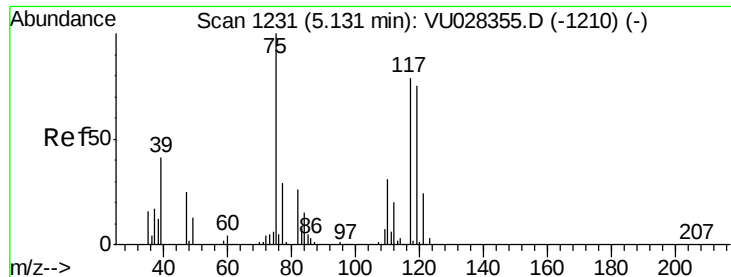


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 70.00 (69.70 to 70.70): VU0





#38

Carbon Tetrachloride

Concen: 5.781 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028473.D

Acq: 05 Dec 2018 12:29

Instrument :

MSVOA_U

ClientSampled :

TP-2

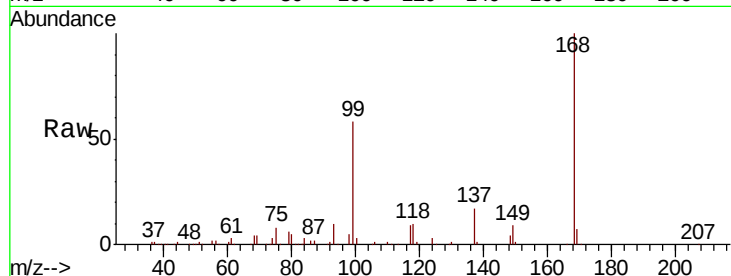
Tot Ion:117 Resp: 37129

Ion Ratio Lower Upper

117 100

119 6.0 76.3 114.5#

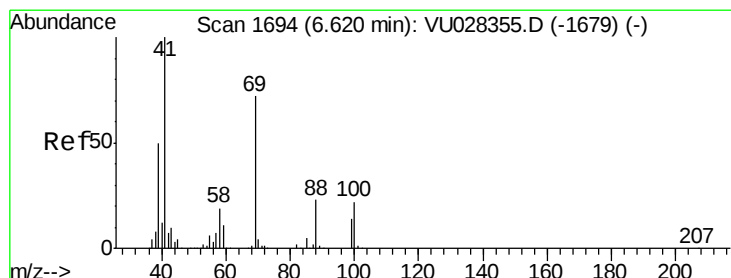
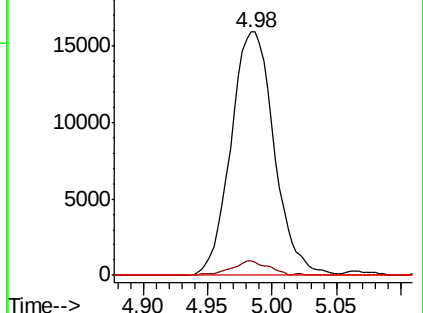
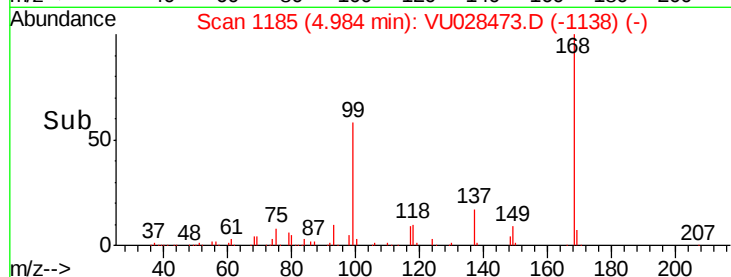
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#48

Methyl methacrylate

Concen: 2.383 ug/l

RT: 6.53 min Scan# 1667

Delta R.T. -0.09 min

Lab File: VU028473.D

Acq: 05 Dec 2018 12:29

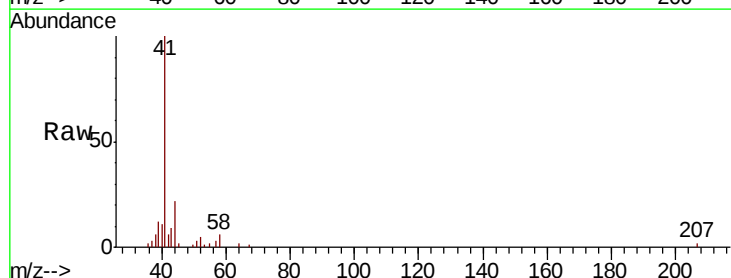
Tgt Ion: 41 Resp: 20970

Ion Ratio Lower Upper

41 100

69 0.0 59.0 88.4#

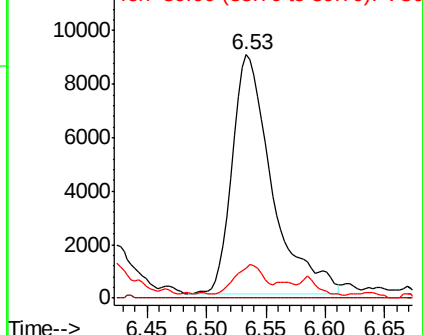
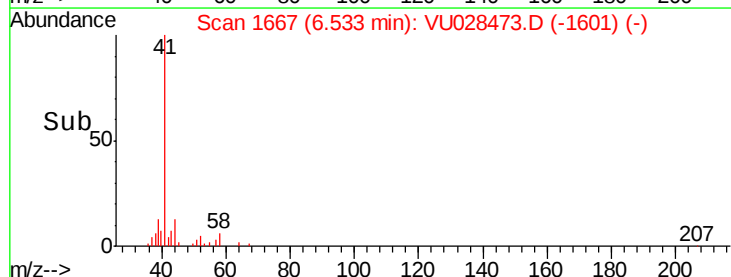
39 8.6 40.5 60.7#

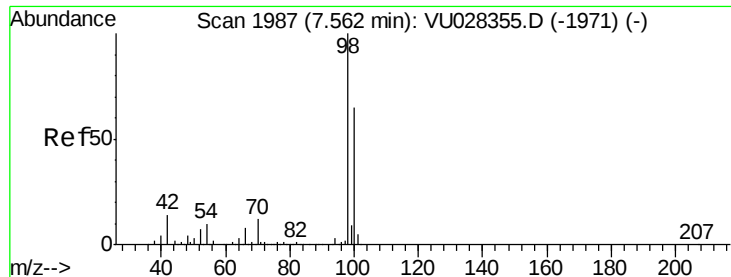


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#50

Toluene-d8

Concen: 47.865 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028473.D

Acq: 05 Dec 2018 12:29

Instrument :

MSVOA_U

ClientSampleId :

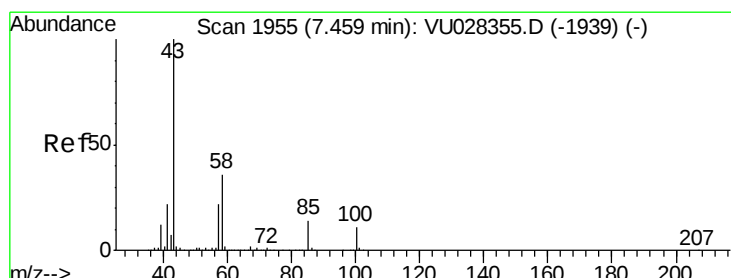
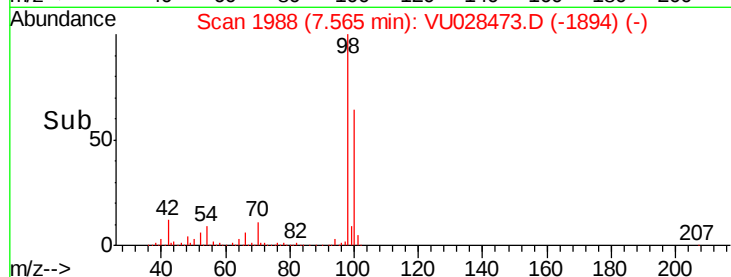
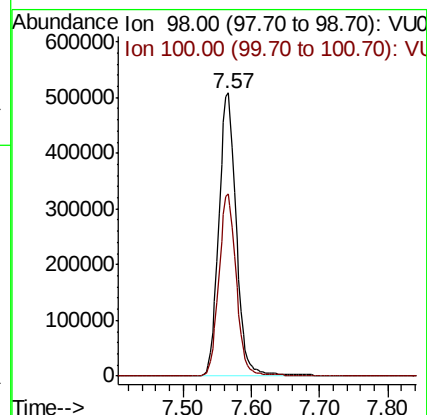
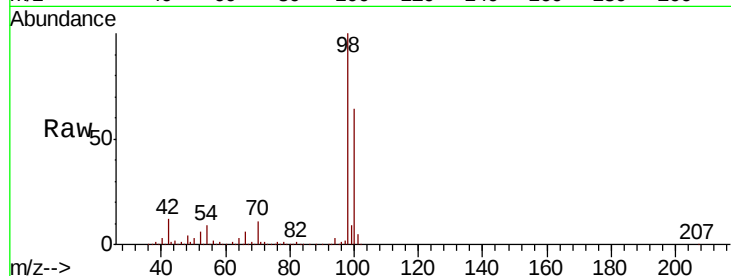
TP-2

Tot Ion: 98 Resp: 909818

Ion Ratio Lower Upper

98 100

100 63.2 50.8 76.2



#51

4-Methyl-2-Pentanone

Concen: 0.824 ug/l

RT: 7.47 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VU028473.D

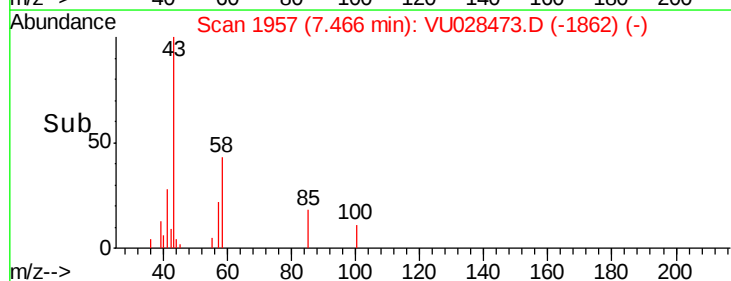
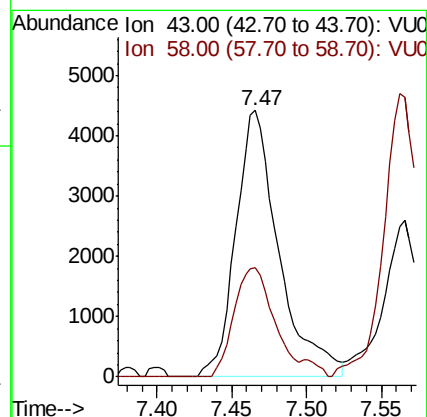
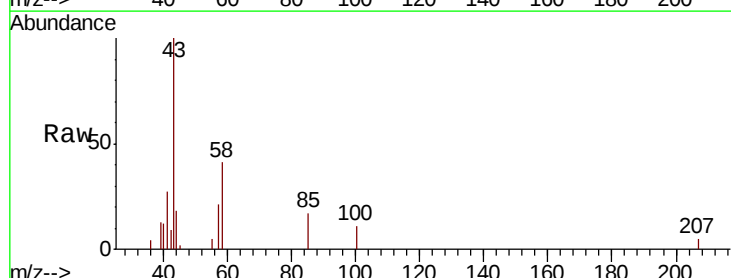
Acq: 05 Dec 2018 12:29

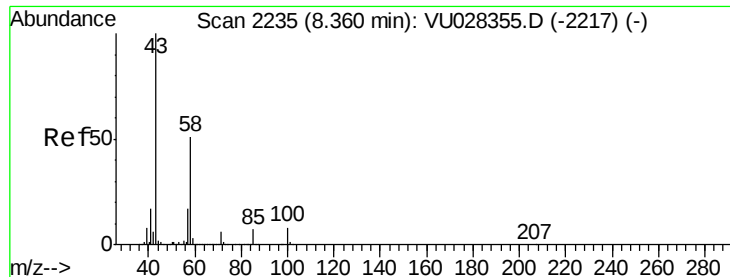
Tgt Ion: 43 Resp: 8886

Ion Ratio Lower Upper

43 100

58 40.0 28.8 43.2

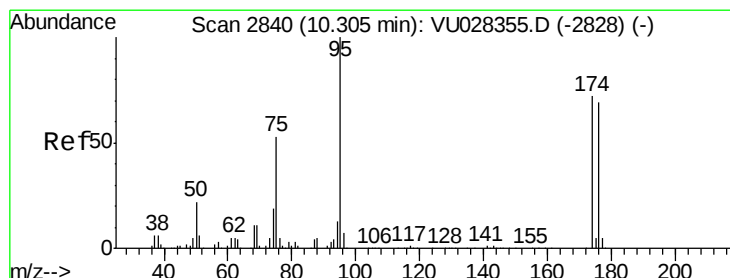
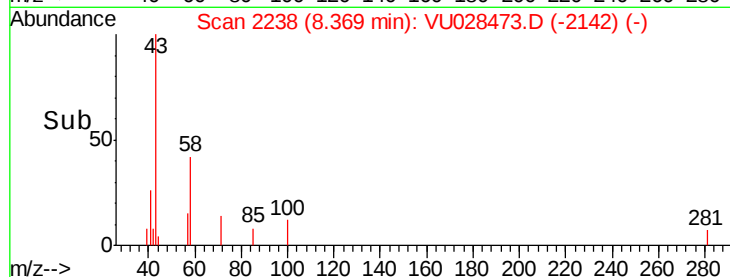
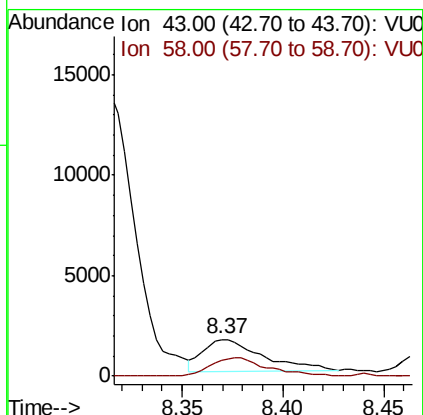
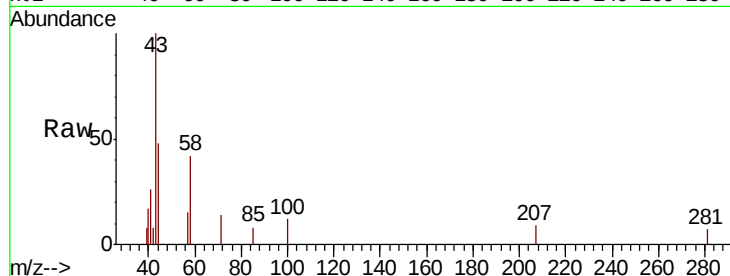




#59
2-Hexanone
Concen: 0.385 ug/l
RT: 8.37 min Scan# 2238
Delta R.T. 0.01 min
Lab File: VU028473.D
Acq: 05 Dec 2018 12:29

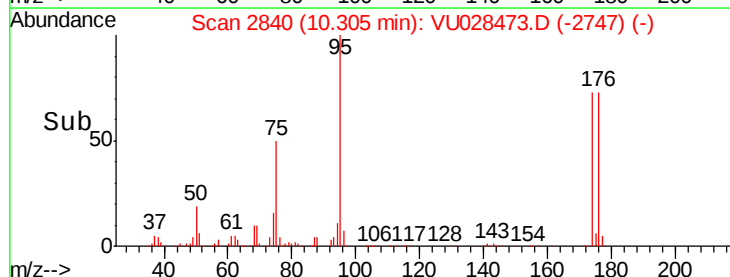
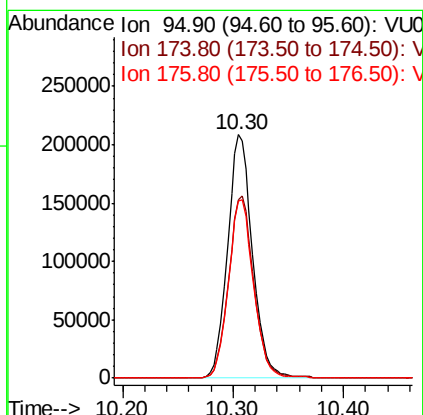
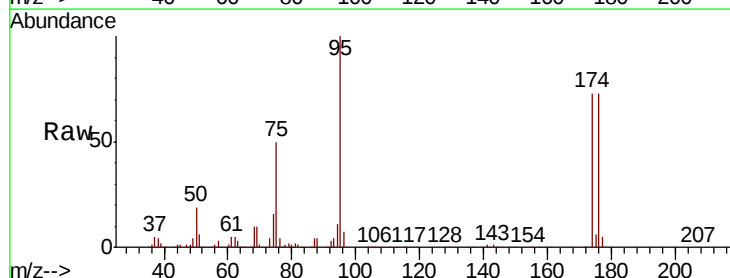
Instrument :
MSVOA_U
ClientSampled :
TP-2

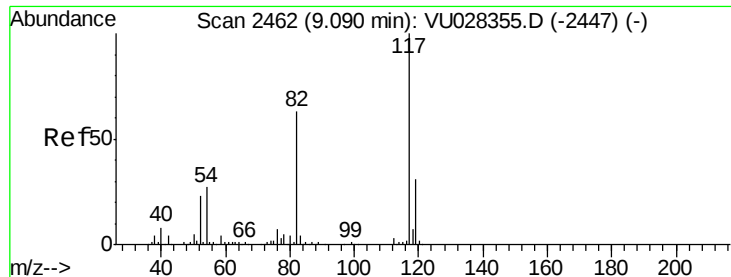
Tot Ion: 43 Resp: 3221
Ion Ratio Lower Upper
43 100
58 56.0 25.5 76.5



#62
4-Bromofluorobenzene
Concen: 47.654 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU028473.D
Acq: 05 Dec 2018 12:29

Tgt Ion: 95 Resp: 326479
Ion Ratio Lower Upper
95 100
174 76.0 0.0 145.4
176 74.2 0.0 140.8

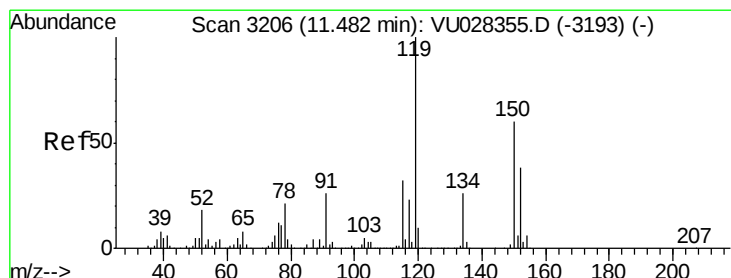
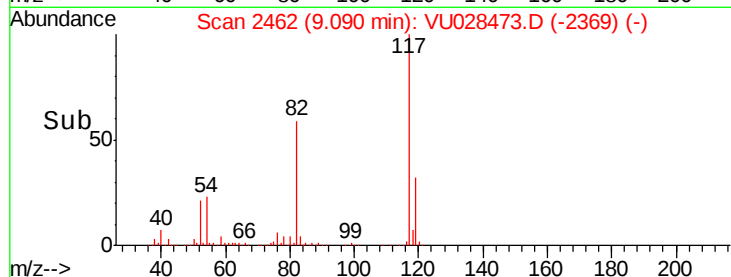
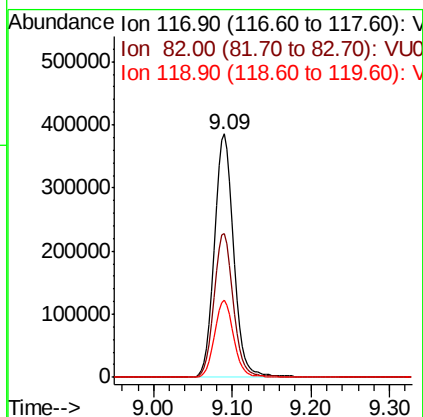
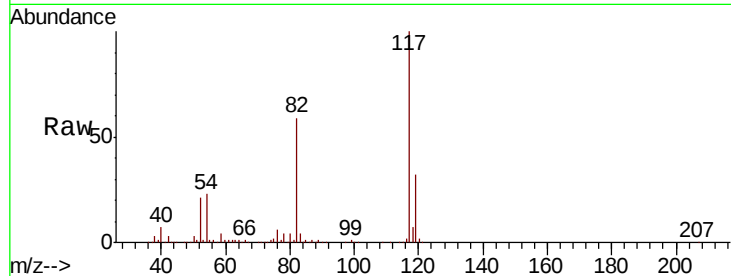




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028473.D
Acq: 05 Dec 2018 12:29

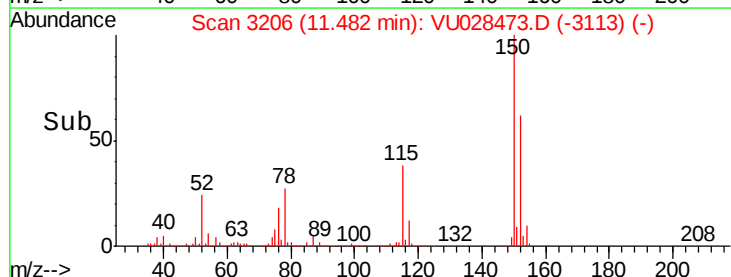
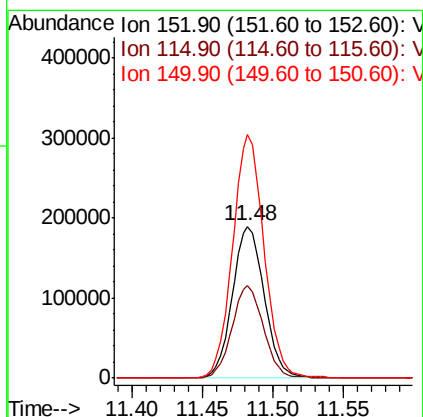
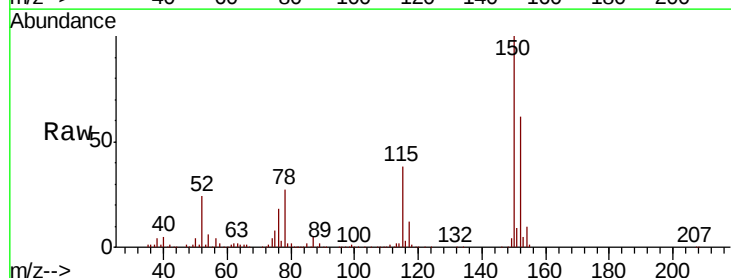
Instrument :
MSVOA_U
ClientSampleId :
TP-2

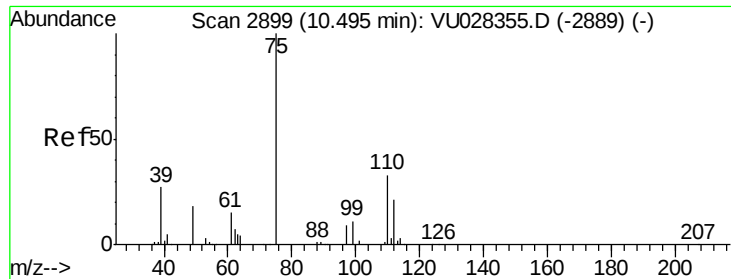
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.3	50.3	75.5
119	31.6	24.8	37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU028473.D
Acq: 05 Dec 2018 12:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	45.0	134.8
150	158.6	0.0	349.2





#76

1,2,3-Trichloropropane

Concen: 19.675 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028473.D

Acq: 05 Dec 2018 12:29

Instrument :

MSVOA_U

ClientSampled :

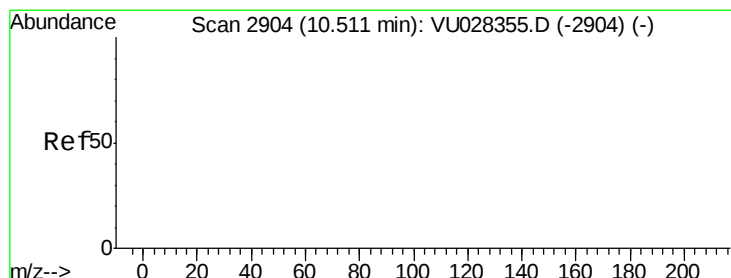
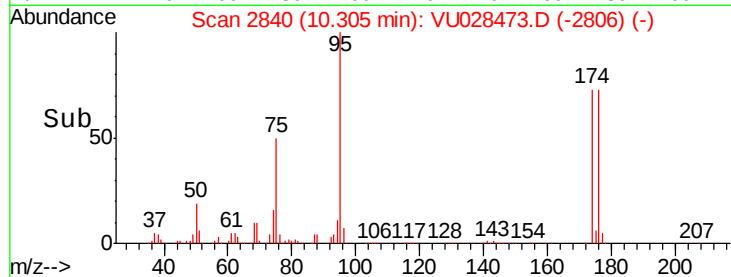
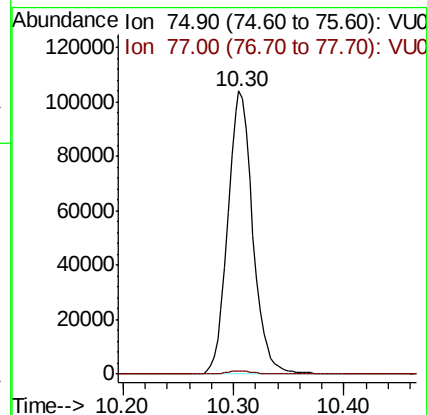
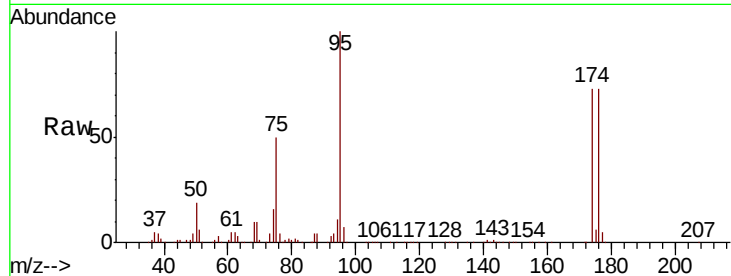
TP-2

Tot Ion: 75 Resp: 163582

Ion Ratio Lower Upper

75 100

77 1.1 22.4 67.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 52.228 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.20 min

Lab File: VU028473.D

Acq: 05 Dec 2018 12:29

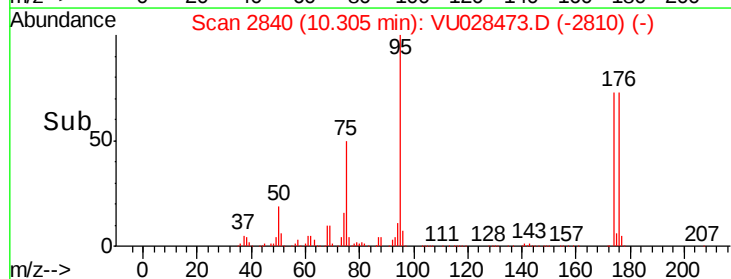
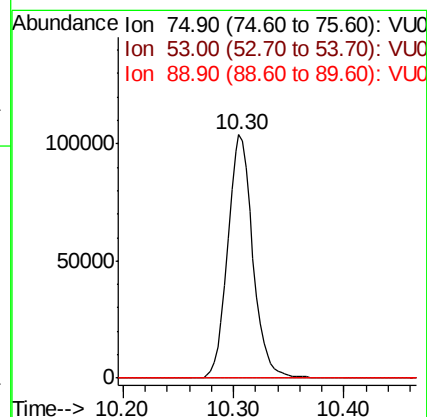
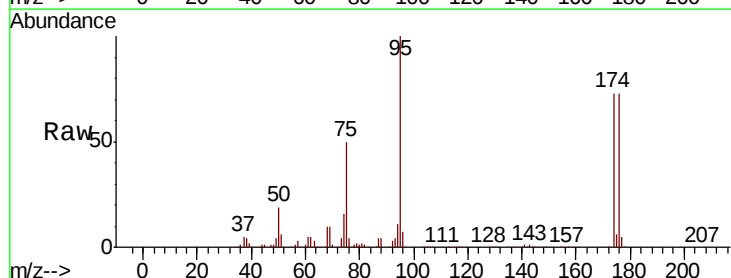
Tgt Ion: 75 Resp: 163582

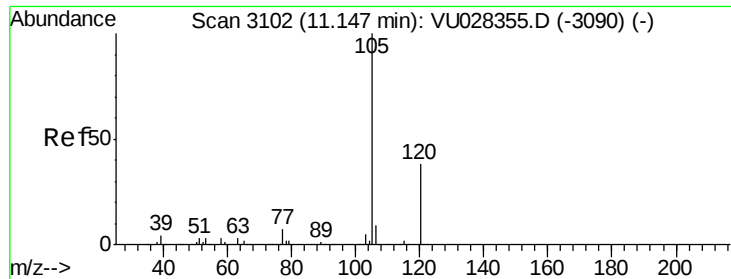
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

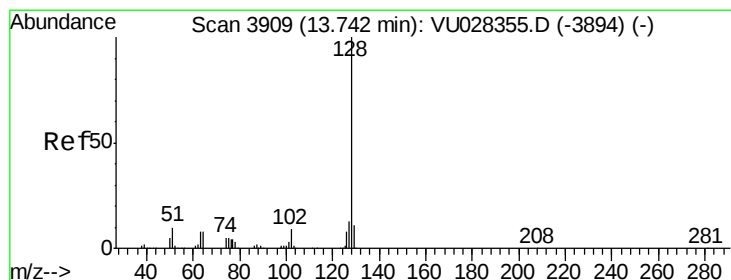
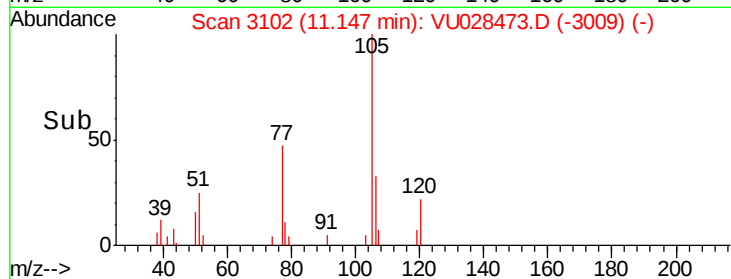
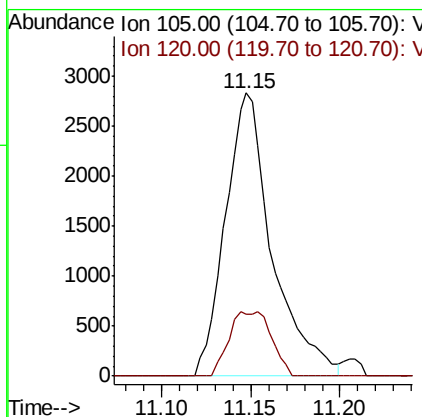
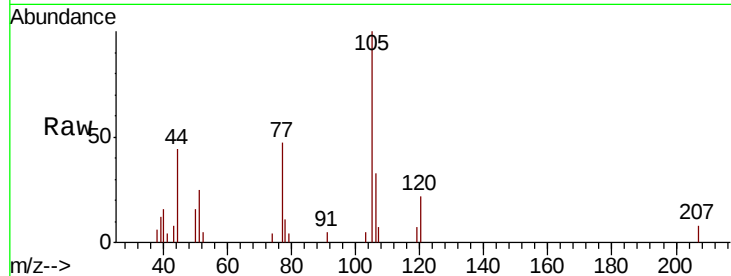




#84
 1,2,4-Trimethylbenzene
 Concen: 0.258 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028473.D
 Acq: 05 Dec 2018 12:29

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-2

Tot Ion:105 Resp: 5144
 Ion Ratio Lower Upper
 105 100
 120 20.5 21.4 64.3#



#95
 Naphthalene
 Concen: 4.299 ug/l
 RT: 13.75 min Scan# 3910
 Delta R.T. 0.00 min
 Lab File: VU028473.D
 Acq: 05 Dec 2018 12:29

Tgt Ion:128 Resp: 39161
 Ion Ratio Lower Upper
 128 100
 127 12.6 10.6 15.8
 129 10.1 8.6 12.8

