

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121718\
 Data File : VU028733.D
 Acq On : 17 Dec 2018 20:20
 Operator : MD/SY
 Sample : J6390-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 03:11:15 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	84328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	153449	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	136104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	56630	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	68398	53.15	ug/l	0.00
Spiked Amount			Recovery	=	106.30%	
35) Dibromofluoromethane	4.88	113	50226	52.01	ug/l	0.00
Spiked Amount			Recovery	=	104.02%	
50) Toluene-d8	7.56	98	195339	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
62) 4-Bromofluorobenzene	10.30	95	66070	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1030	0.496	ug/l	97
8) Diethyl Ether	2.10	74	435	0.589	ug/l	88
11) Tert butyl alcohol	2.83	59	22978	80.142	ug/l	97
13) Acrolein	2.20	56	183	0.801	ug/l	83
14) Allyl chloride	2.61	41	770	0.347	ug/l #	27
16) Acetone	2.32	43	173465	206.565	ug/l	100
18) Methyl Acetate	2.61	43	63710	29.267	ug/l	98
20) Methylene Chloride	2.70	84	706	0.570	ug/l	97
22) Diisopropyl ether	3.60	45	3464	0.802	ug/l #	1
23) Vinyl Acetate	3.60	43	8189	2.299	ug/l #	76
25) 2-Butanone	4.27	43	24202	21.089	ug/l	98
31) Cyclohexane	4.99	56	3149	0.236	ug/l #	46
36) 1,1-Dichloropropene	4.98	75	7866	4.684	ug/l #	49
37) Ethyl Acetate	4.27	43	24202	11.150	ug/l #	70
38) Carbon Tetrachloride	4.98	117	8150	6.022	ug/l #	16
39) Methylcyclohexane	6.41	83	435	0.212	ug/l #	84
40) Benzene	5.39	78	91149	18.431	ug/l	99
41) Methacrylonitrile	4.57	41	458	0.385	ug/l #	34
42) 1,2-Dichloroethane	5.39	62	699	0.404	ug/l #	76
45) 1,2-Dichloropropane	6.70	63	647	0.465	ug/l #	44
48) Methyl methacrylate	6.70	41	57694	33.790	ug/l #	45
49) 1,4-Dioxane	6.62	88	619	22.960	ug/l #	62
51) 4-Methyl-2-Pentanone	7.46	43	3417	1.578	ug/l	93
52) Toluene	7.64	92	36728	12.619	ug/l	99
59) 2-Hexanone	8.48	43	1060	0.618	ug/l #	26
67) Ethyl Benzene	9.25	91	4324	0.811	ug/l	99
68) m/p-Xylenes	9.37	106	8085	4.167	ug/l	100
69) o-Xylene	9.78	106	3120	1.655	ug/l	96
70) Styrene	9.79	104	2145	0.687	ug/l #	89
76) 1,2,3-Trichloropropane	10.30	75	33924	23.460	ug/l #	36
78) n-propylbenzene	10.59	91	1483	0.275	ug/l	85
80) 1,3,5-Trimethylbenzene	10.77	105	1403	0.390	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.30	75	33924	57.599	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	4502	1.214	ug/l	99

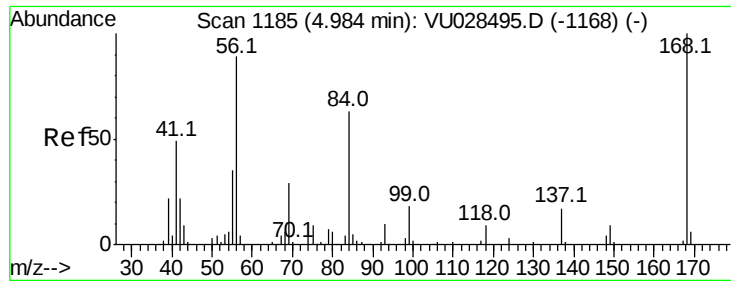
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121718\
Data File : VU028733.D
Acq On : 17 Dec 2018 20:20
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Quant Time: Dec 18 03:11:15 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	12.22	117	117	0.205	ug/l #	11
95) Naphthalene	13.75	128	2237	0.486	ug/l #	85

(#) = 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: VU028733.D

Acq: 17 Dec 2018 20:20

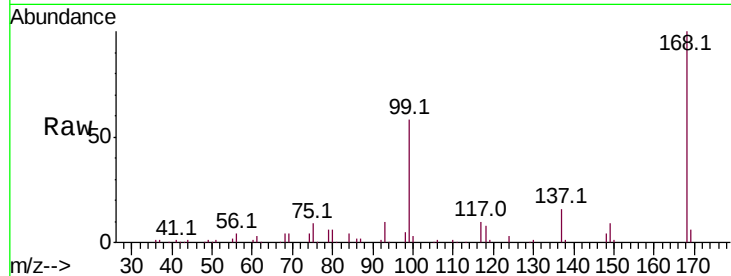
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 84328

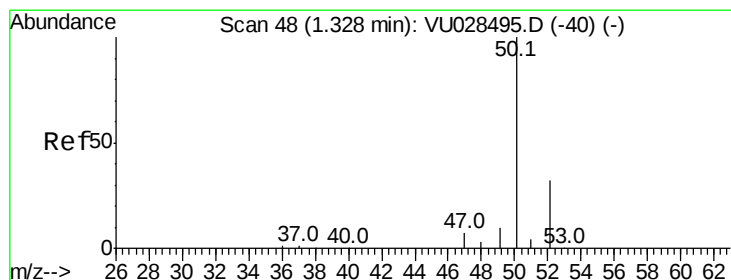
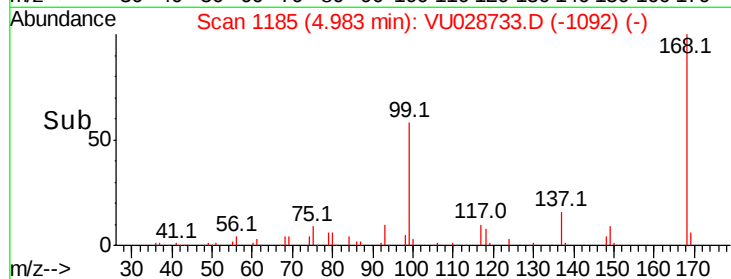
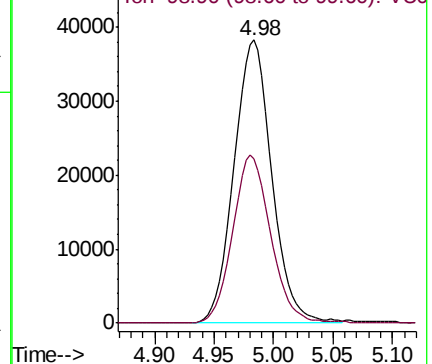
Ion Ratio Lower Upper

168 100

99 58.0 46.6 69.8



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



#3

Chloromethane

Concen: 0.496 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028733.D

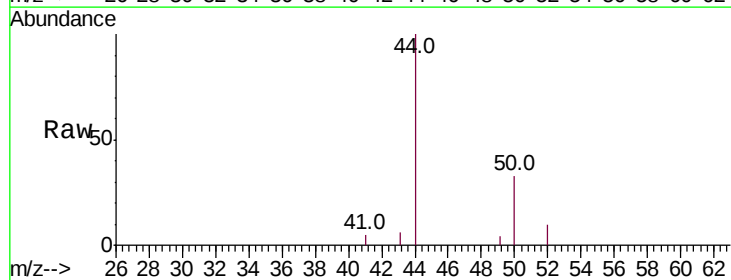
Acq: 17 Dec 2018 20:20

Tgt Ion: 50 Resp: 1030

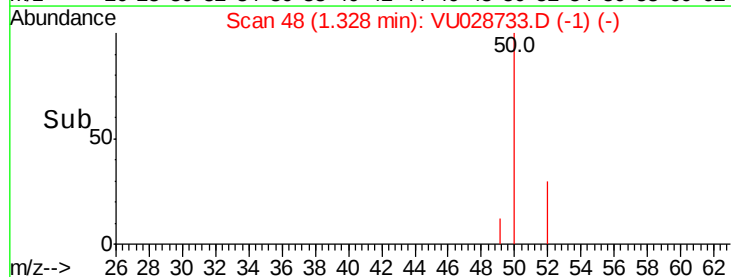
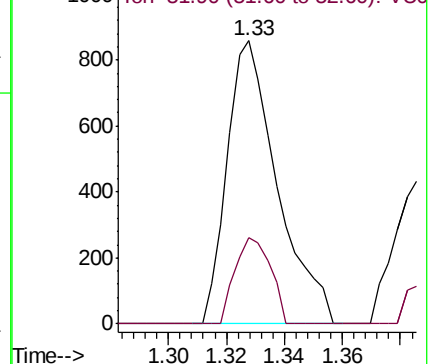
Ion Ratio Lower Upper

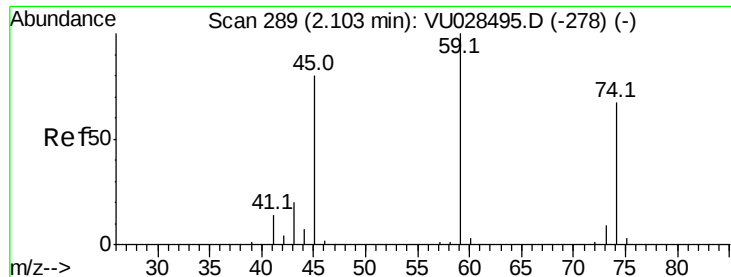
50 100

52 30.4 25.5 38.3



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





#8

Diethyl Ether

Concen: 0.589 ug/l

RT: 2.10 min Scan# 288

Delta R.T. -0.00 min

Lab File: VU028733.D

Acq: 17 Dec 2018 20:20

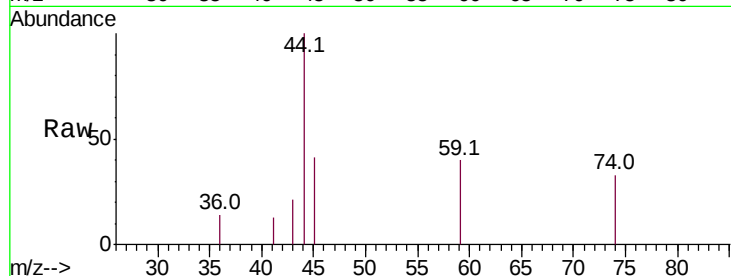
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 74 Resp: 435

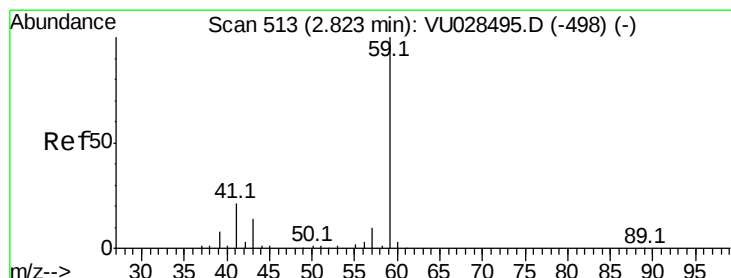
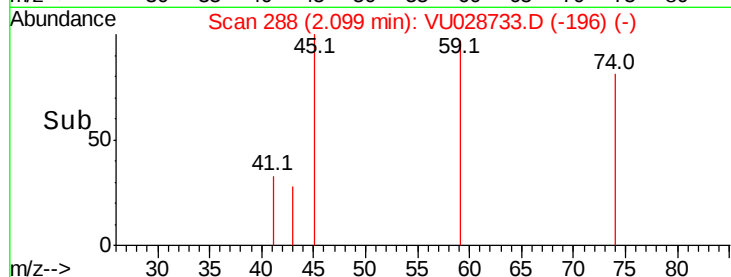
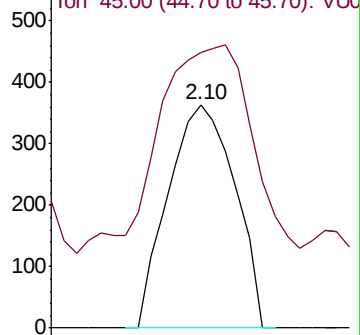
Ion Ratio Lower Upper

74 100

45 132.2 59.7 179.0



Abundance Ion 74.00 (73.70 to 74.70): VU028495.D (-278) (-)



#11

Tert butyl alcohol

Concen: 80.142 ug/l

RT: 2.83 min Scan# 514

Delta R.T. 0.00 min

Lab File: VU028733.D

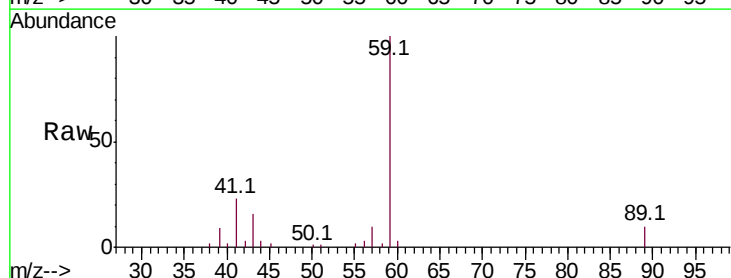
Acq: 17 Dec 2018 20:20

Tgt Ion: 59 Resp: 22978

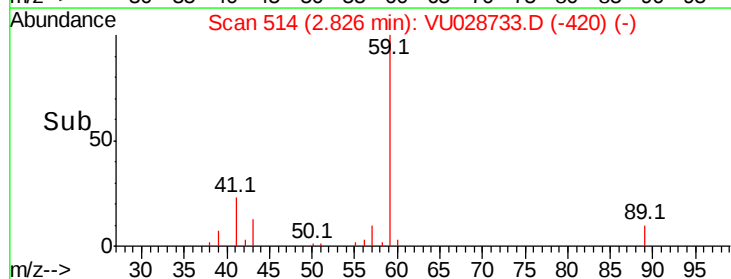
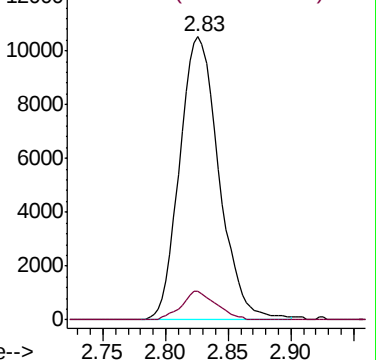
Ion Ratio Lower Upper

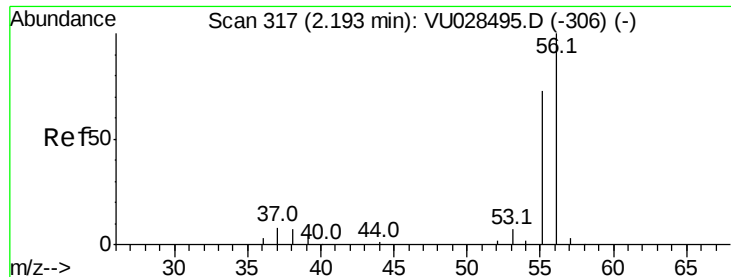
59 100

57 9.0 8.0 12.0



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





#13

Acrolein

Concen: 0.801 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028733.D

Acq: 17 Dec 2018 20:20

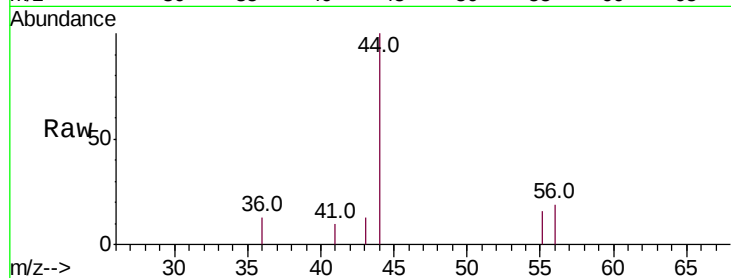
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 183

Ion Ratio Lower Upper

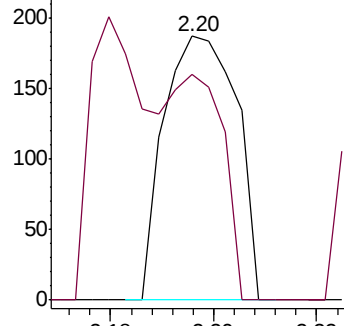
56 100

55 85.8 57.5 86.3

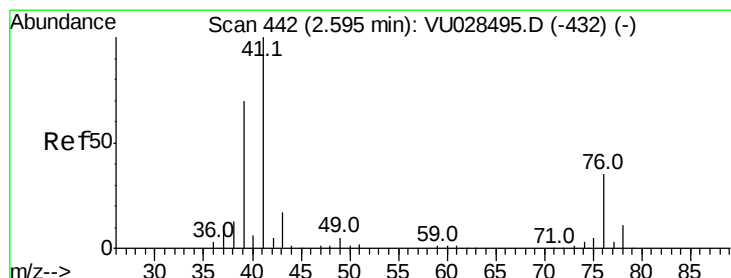
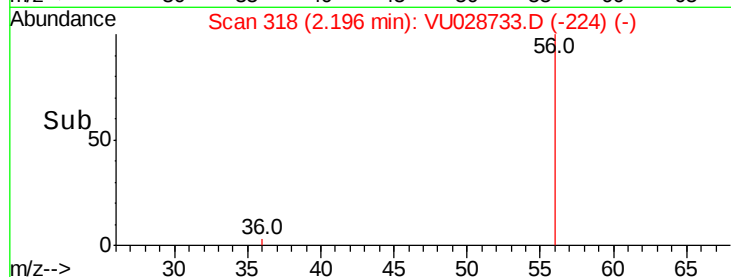


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



Time-->



#14

Allyl chloride

Concen: 0.347 ug/l

RT: 2.61 min Scan# 447

Delta R.T. 0.02 min

Lab File: VU028733.D

Acq: 17 Dec 2018 20:20

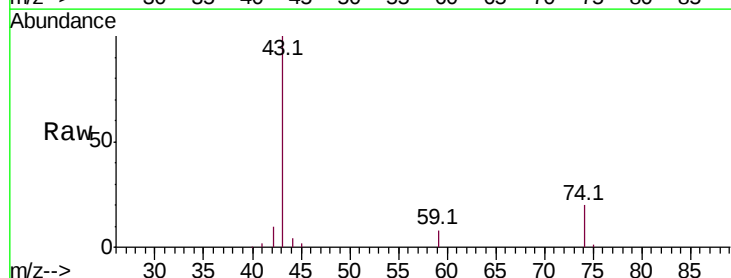
Tgt Ion: 41 Resp: 770

Ion Ratio Lower Upper

41 100

39 0.0 50.8 76.2#

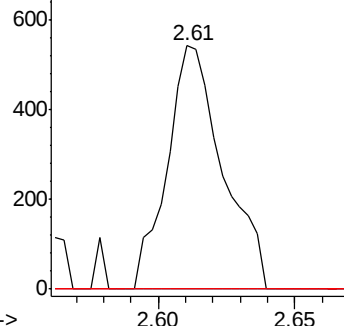
76 0.0 24.8 37.2#



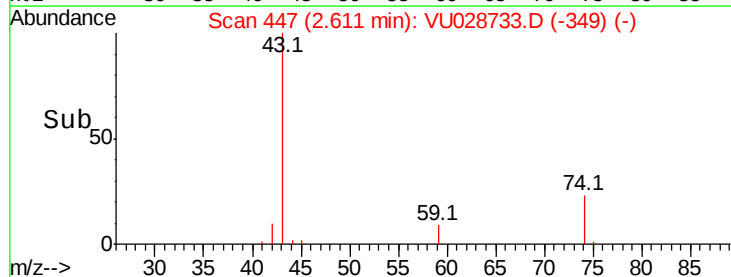
Abundance Ion 41.00 (40.70 to 41.70): VU0

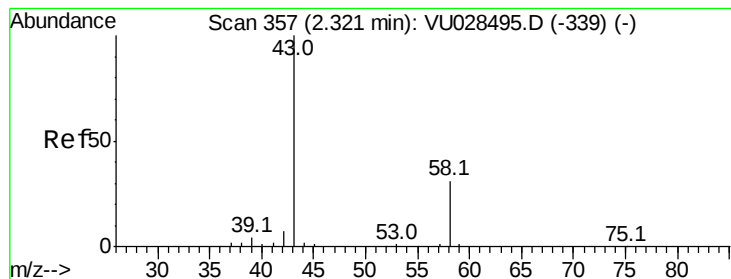
Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0



Time-->





#16

Acetone

Concen: 206.565 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028733.D

Acq: 17 Dec 2018 20:20

Instrument :

MSVOA_U

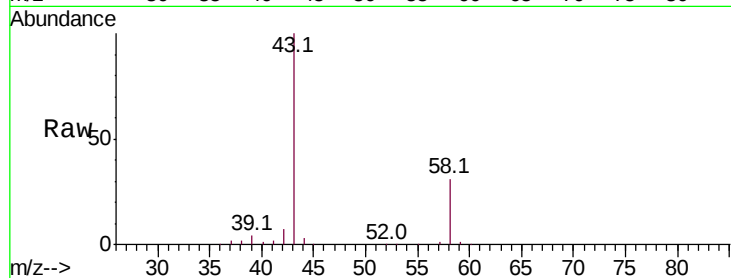
ClientSampleId :

Tot Ion: 43 Resp: 173465

Ion Ratio Lower Upper

43 100

58 31.1 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-339) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-339) (-)

2.32

120000

100000

80000

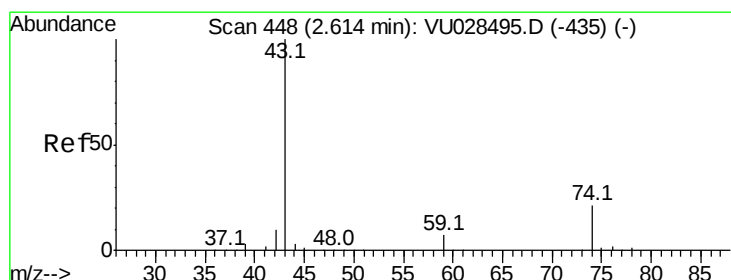
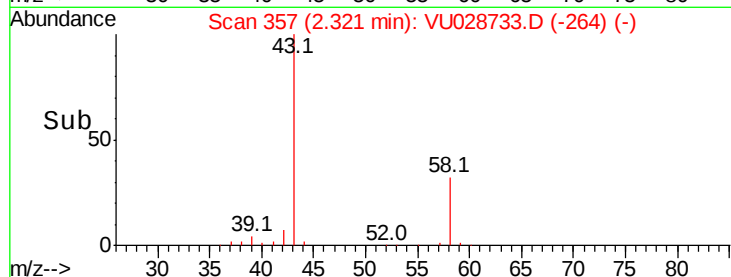
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 29.267 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028733.D

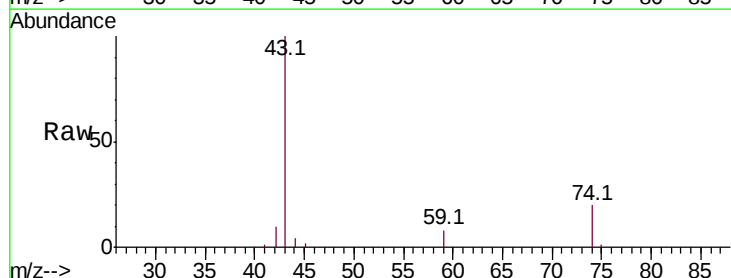
Acq: 17 Dec 2018 20:20

Tgt Ion: 43 Resp: 63710

Ion Ratio Lower Upper

43 100

74 19.5 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) (-)

2.61

40000

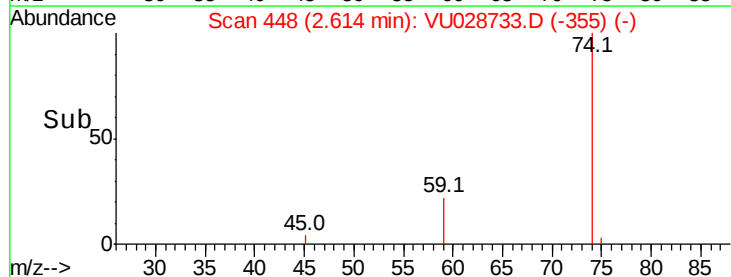
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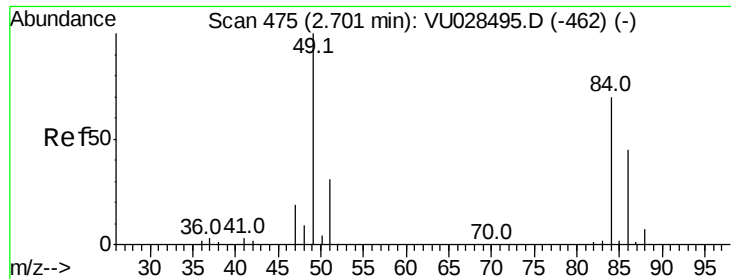
20000

10000

0

Time-->

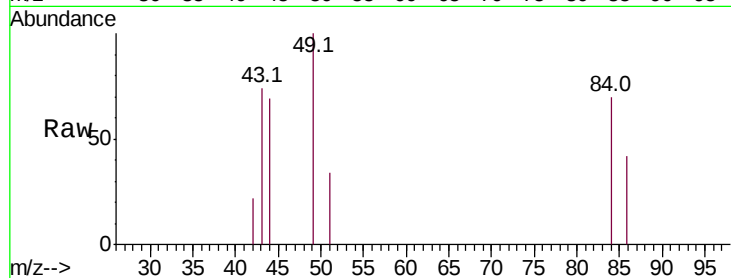




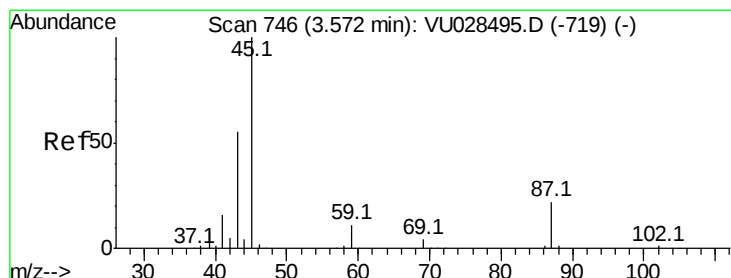
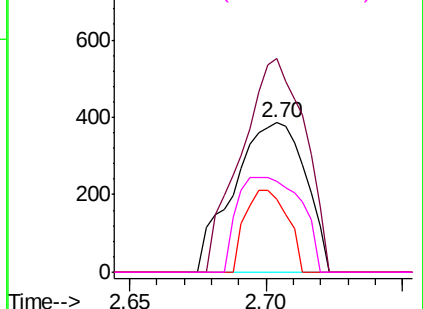
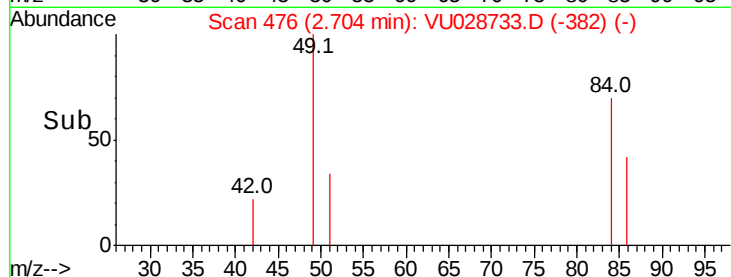
#20
Methvlene Chloride
Concen: 0.570 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU028733.D
Acq: 17 Dec 2018 20:20

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 84 Resp: 706
Ion Ratio Lower Upper
84 100
49 143.0 114.0 171.0
51 48.4 35.1 52.7
86 60.6 51.0 76.6

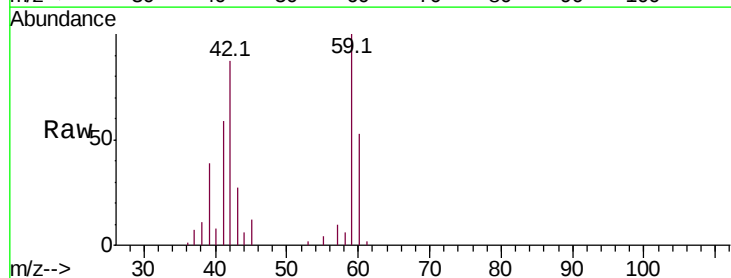


Abundance Ion 83.90 (83.60 to 84.60): VU0
Ion 48.90 (48.60 to 49.60): VU0
Ion 50.90 (50.60 to 51.60): VU0
Ion 85.90 (85.60 to 86.60): VU0

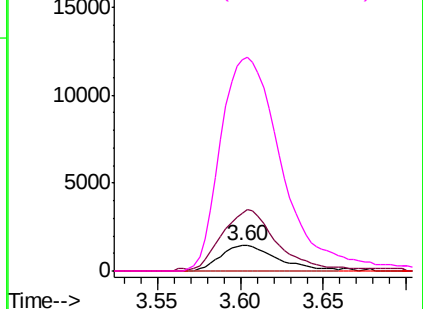
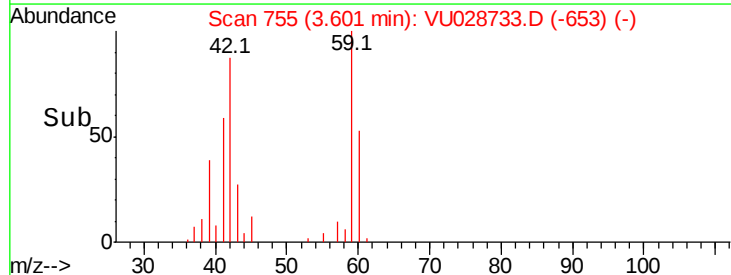


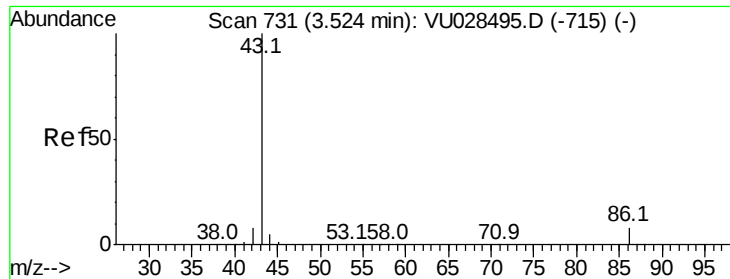
#22
Diisopropyl ether
Concen: 0.802 ug/l
RT: 3.60 min Scan# 755
Delta R.T. 0.03 min
Lab File: VU028733.D
Acq: 17 Dec 2018 20:20

Tgt Ion: 45 Resp: 3464
Ion Ratio Lower Upper
45 100
43 222.5 45.3 67.9#
87 0.0 17.6 26.4#
59 828.5 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

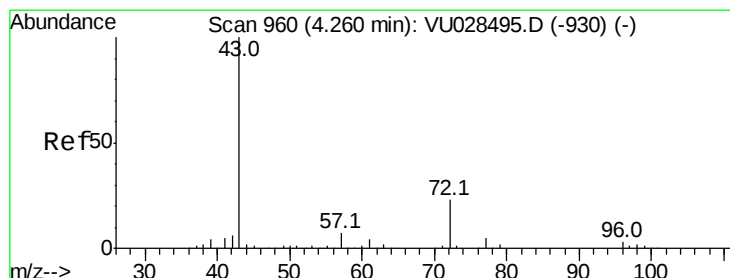
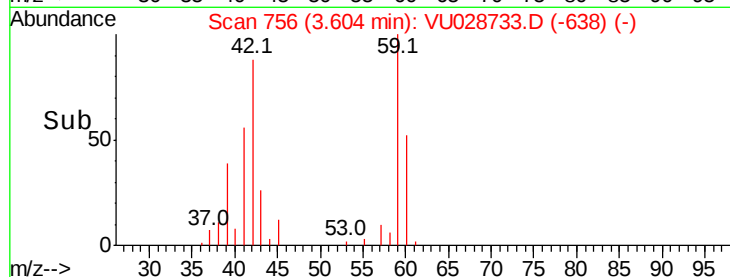
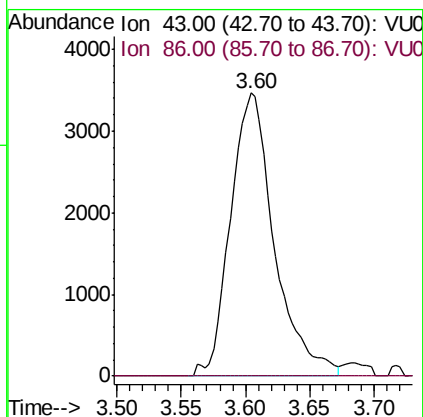
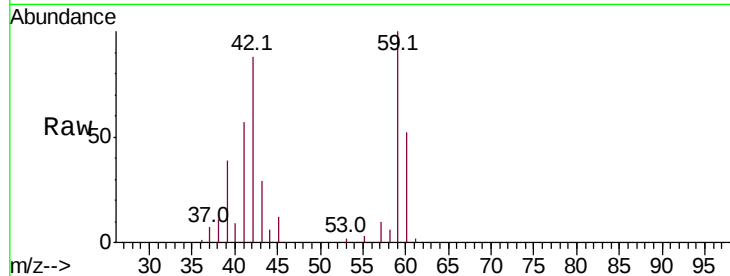




#23
 Vinyl Acetate
 Concen: 2.299 ug/l
 RT: 3.60 min Scan# 756
 Delta R.T. 0.08 min
 Lab File: VU028733.D
 Acq: 17 Dec 2018 20:20

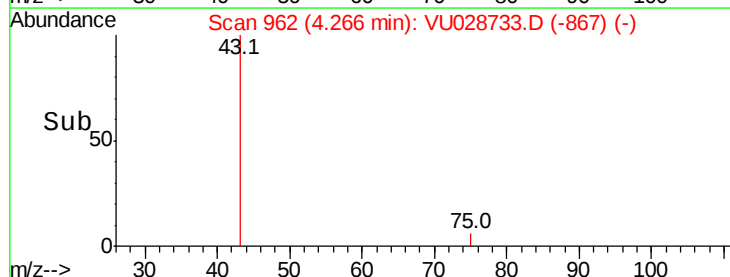
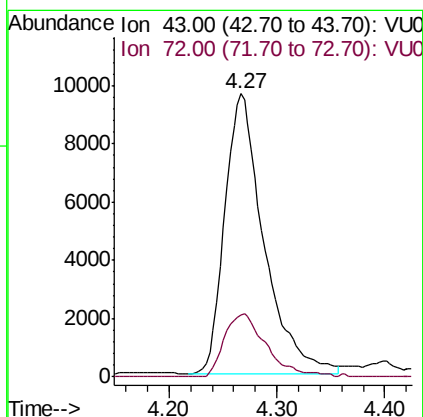
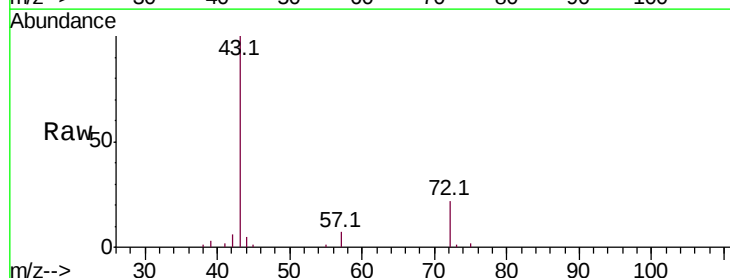
Instrument :
 MSVOA_U
 ClientSampleId :

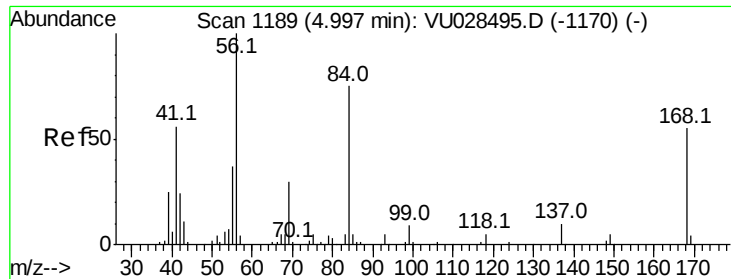
Tot Ion: 43 Resp: 8189
 Ion Ratio Lower Upper
 43 100
 86 0.0 6.8 10.2#



#25
 2-Butanone
 Concen: 21.089 ug/l
 RT: 4.27 min Scan# 962
 Delta R.T. 0.01 min
 Lab File: VU028733.D
 Acq: 17 Dec 2018 20:20

Tgt Ion: 43 Resp: 24202
 Ion Ratio Lower Upper
 43 100
 72 22.3 18.6 28.0

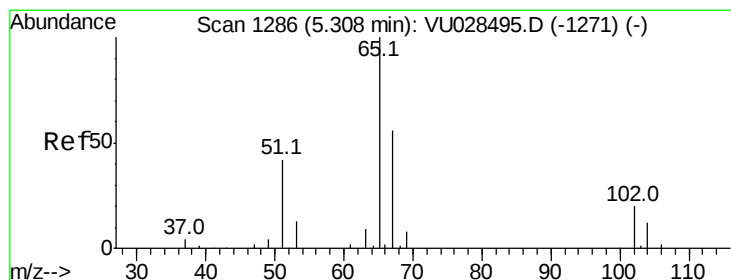
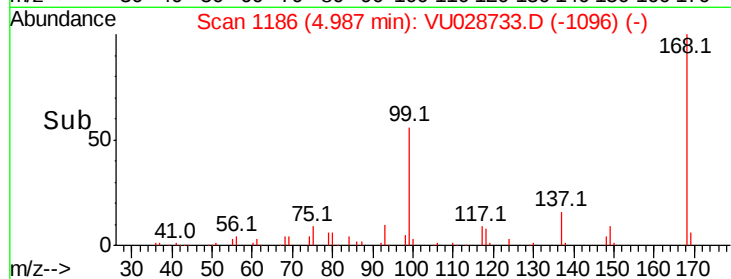
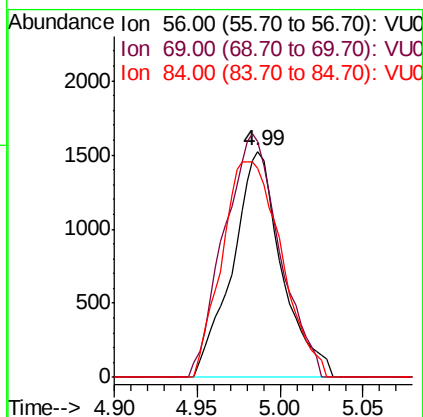
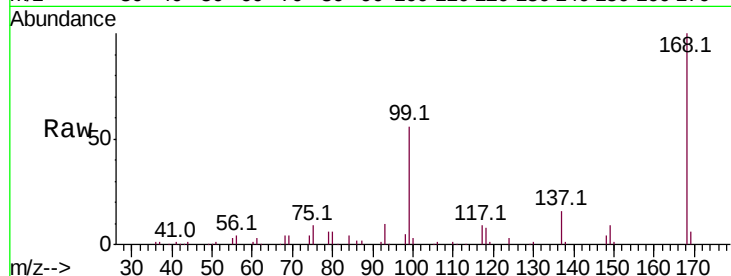




#31
Cyclohexane
Concen: 0.236 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU028733.D
Acq: 17 Dec 2018 20:20

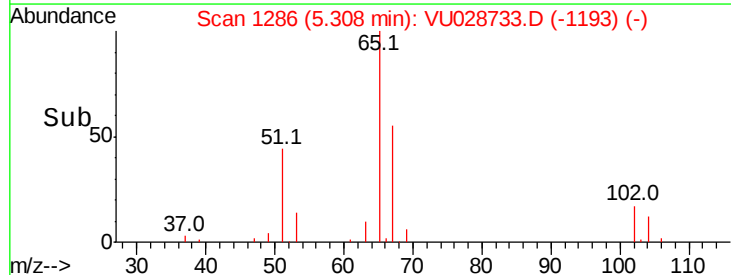
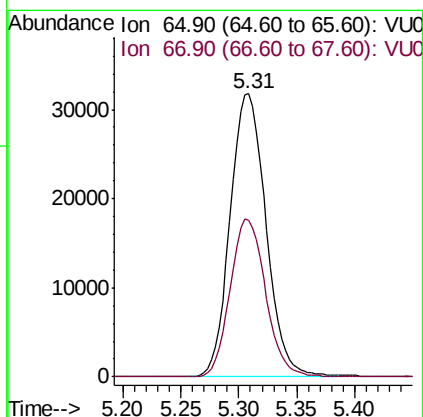
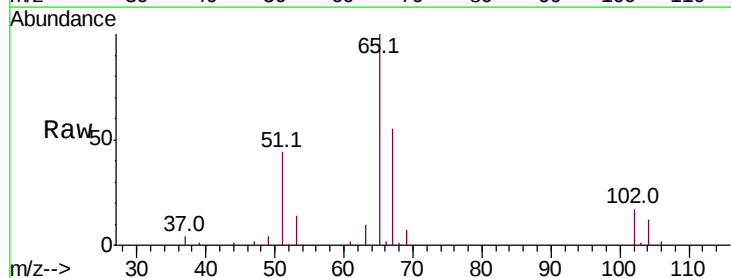
Instrument :
MSVOA_U
ClientSampled :

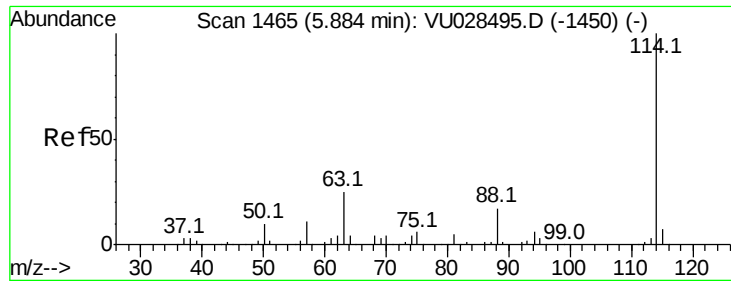
Tot Ion	Ratio	Lower	Upper
56	100		
69	104.1	24.0	36.0#
84	92.5	59.7	89.5#



#33
1,2-Dichloroethane-d4
Concen: 53.149 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028733.D
Acq: 17 Dec 2018 20:20

Tgt Ion	Ratio	Lower	Upper
65	100		
67	55.0	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: VU028733.D

Acq: 17 Dec 2018 20:20

Instrument :

MSVOA_U

ClientSampled :

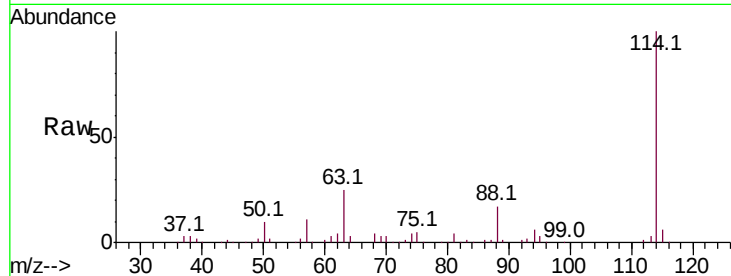
Tot Ion:114 Resp: 153449

Ion Ratio Lower Upper

114 100

63 25.0 0.0 49.2

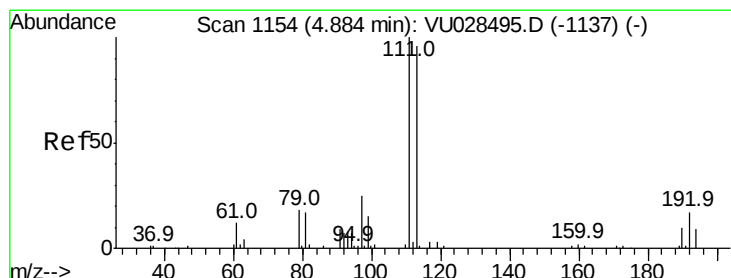
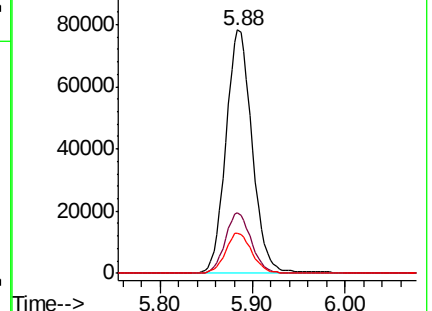
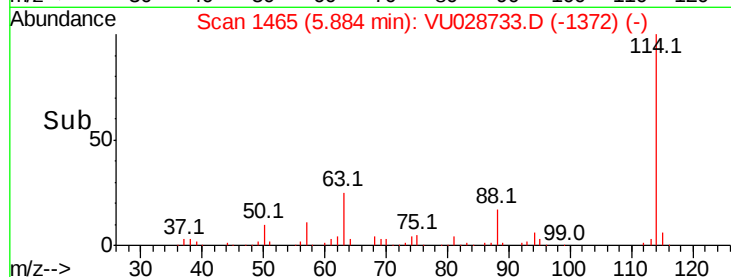
88 16.6 0.0 33.4



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: 52.012 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU028733.D

Acq: 17 Dec 2018 20:20

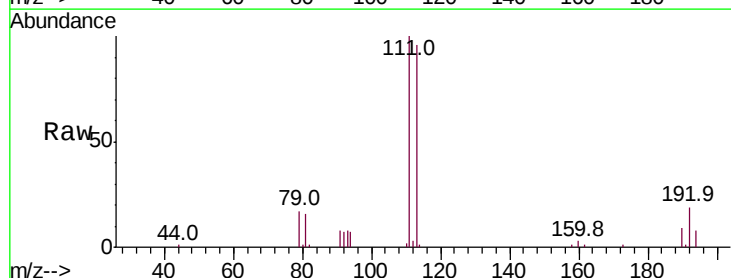
Tgt Ion:113 Resp: 50226

Ion Ratio Lower Upper

113 100

111 105.1 83.4 125.0

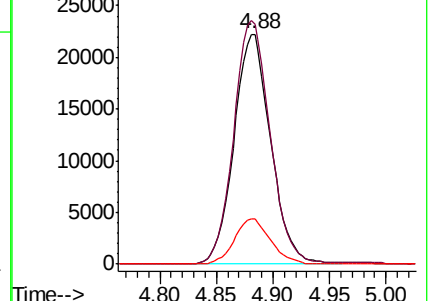
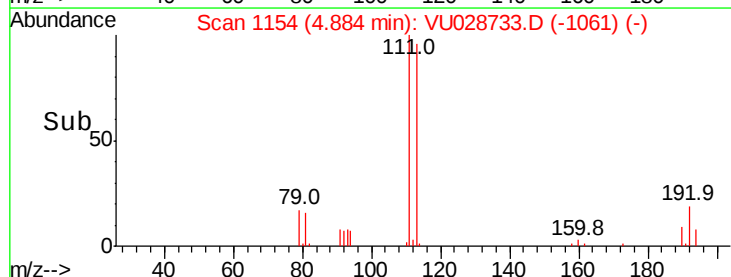
192 19.2 14.8 22.2

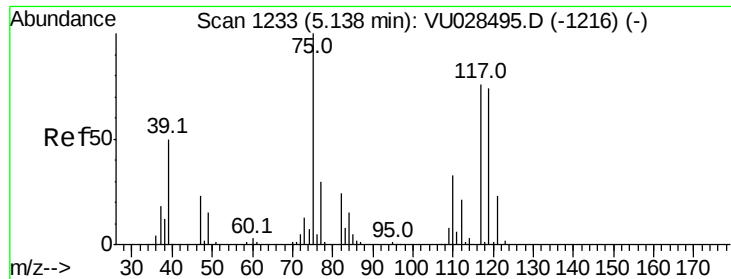


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

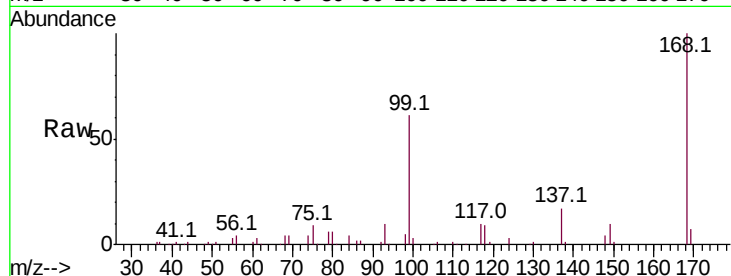




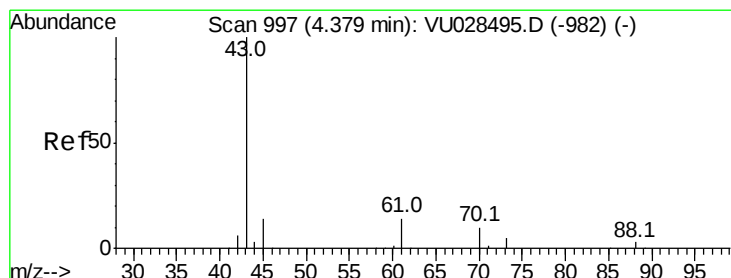
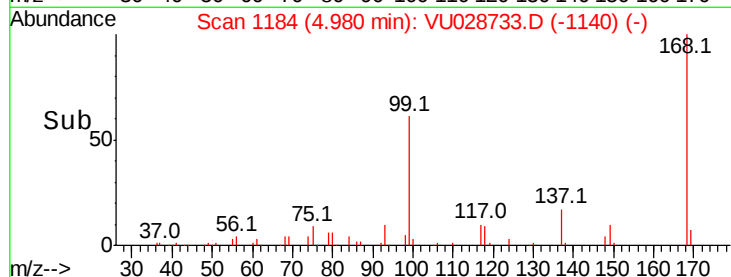
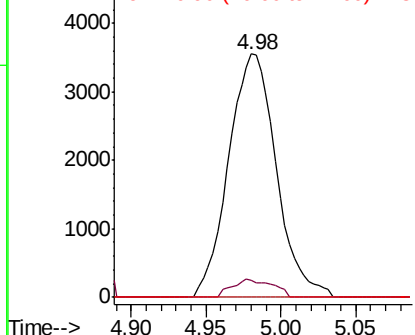
#36
 1,1-Dichloropropene
 Concen: 4.684 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028733.D
 Acq: 17 Dec 2018 20:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 7866
 Ion Ratio Lower Upper
 75 100
 110 6.3 16.1 48.2#
 77 0.0 24.5 36.7#

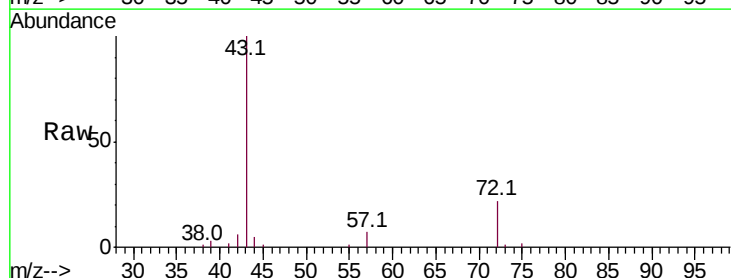


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): VU0
 Ion 76.90 (76.60 to 77.60): VU0

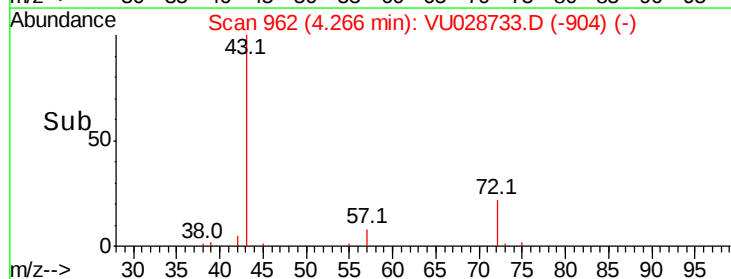
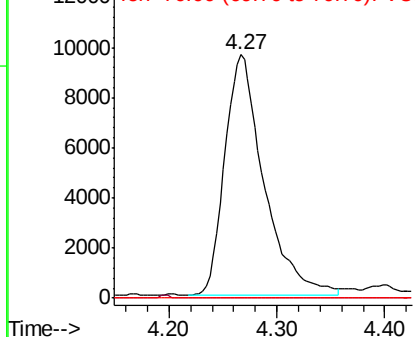


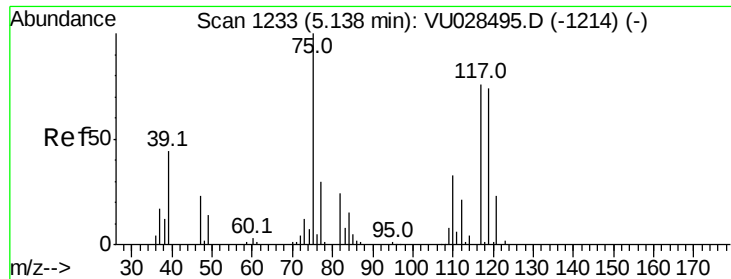
#37
 Ethyl Acetate
 Concen: 11.150 ug/l
 RT: 4.27 min Scan# 962
 Delta R.T. -0.11 min
 Lab File: VU028733.D
 Acq: 17 Dec 2018 20:20

Tgt Ion: 43 Resp: 24202
 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): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 70.00 (69.70 to 70.70): VU0

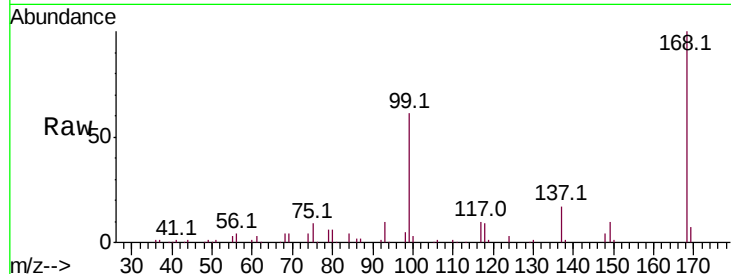




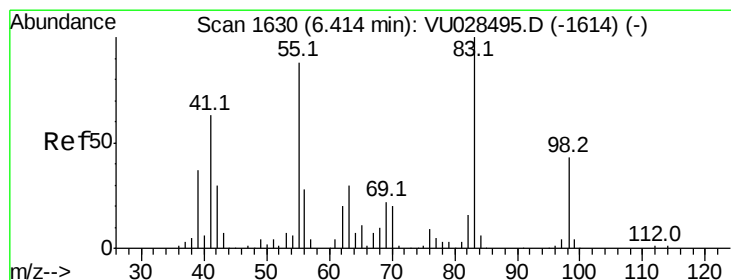
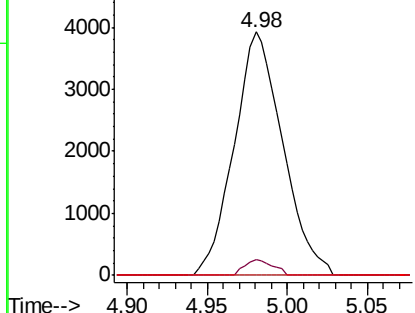
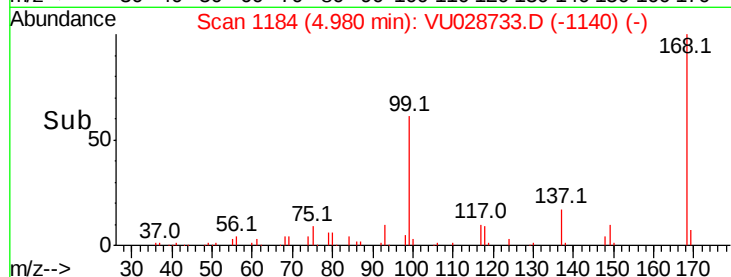
#38
Carbon Tetrachloride
Concen: 6.022 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.16 min
Lab File: VU028733.D
Acq: 17 Dec 2018 20:20

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 8150
Ion Ratio Lower Upper
117 100
119 6.3 77.6 116.4#
121 0.0 24.6 36.8#

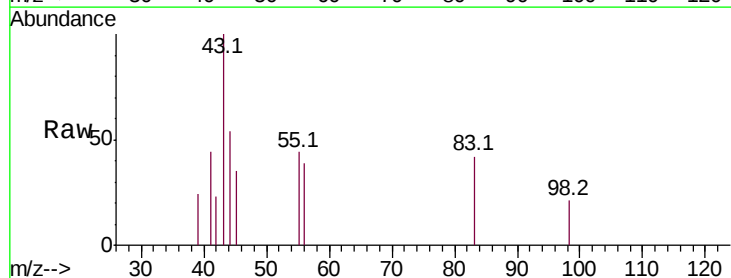


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

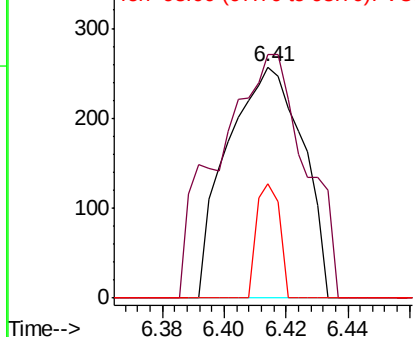
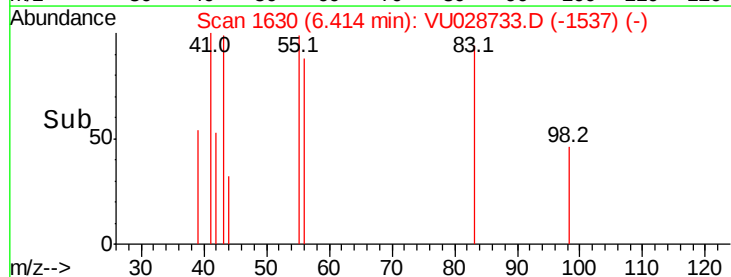


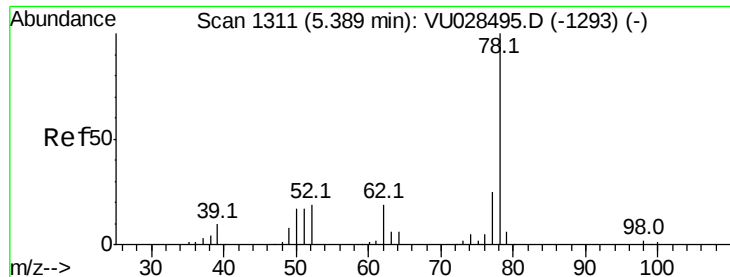
#39
Methylcyclohexane
Concen: 0.212 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028733.D
Acq: 17 Dec 2018 20:20

Tgt Ion: 83 Resp: 435
Ion Ratio Lower Upper
83 100
55 105.4 70.2 105.2#
98 49.4 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: 18.431 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU028733.D

Acq: 17 Dec 2018 20:20

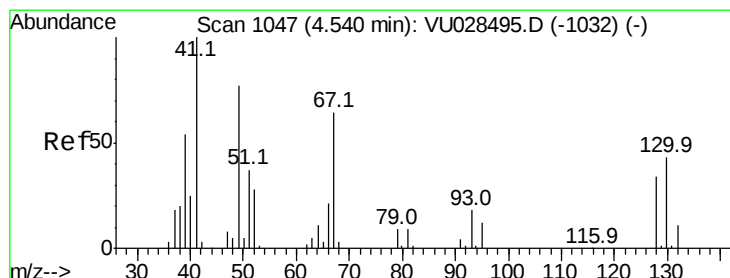
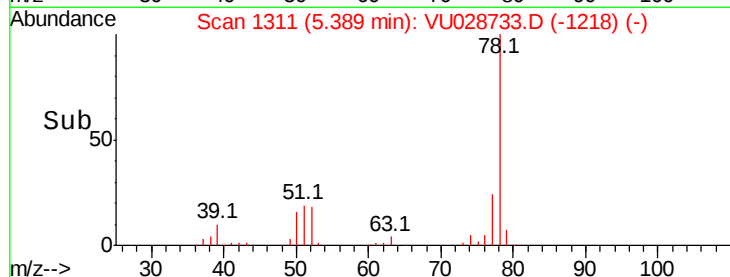
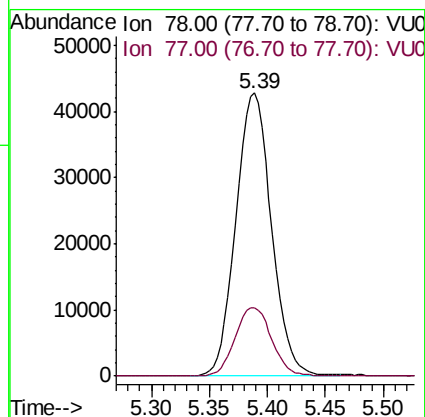
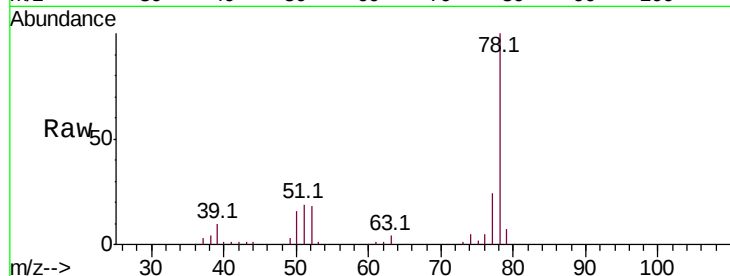
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 78 Resp: 91149

Ion Ratio Lower Upper

78 100

77 24.3 19.9 29.9



#41

Methacrylonitrile

Concen: 0.385 ug/l

RT: 4.57 min Scan# 1057

Delta R.T. 0.03 min

Lab File: VU028733.D

Acq: 17 Dec 2018 20:20

Tgt Ion: 41 Resp: 458

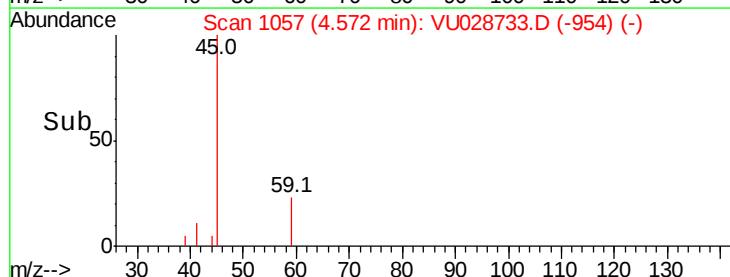
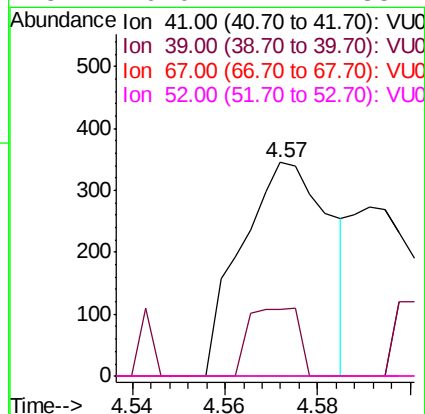
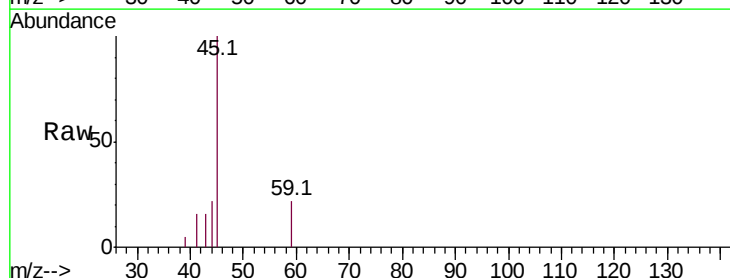
Ion Ratio Lower Upper

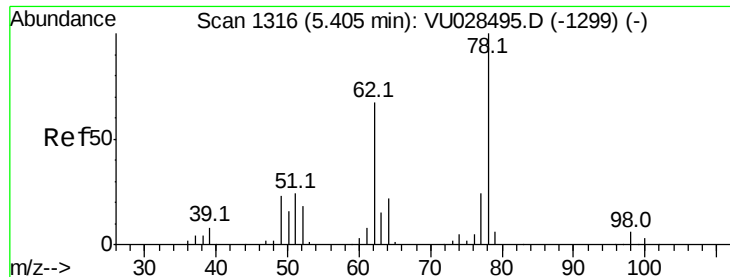
41 100

39 17.9 43.3 64.9#

67 0.0 53.6 80.4#

52 0.0 22.1 33.1#





#42

1,2-Dichloroethane

Concen: 0.404 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. -0.01 min

Lab File: VU028733.D

Acq: 17 Dec 2018 20:20

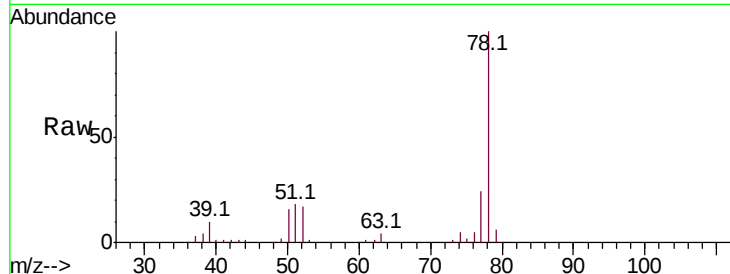
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 699

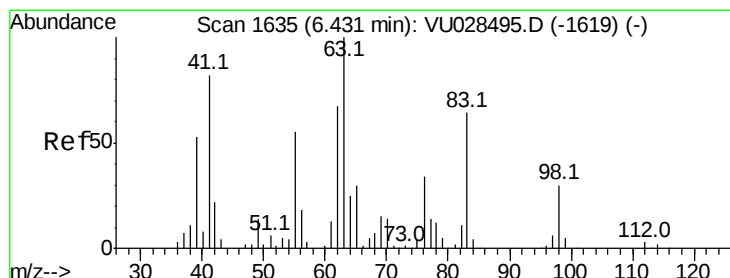
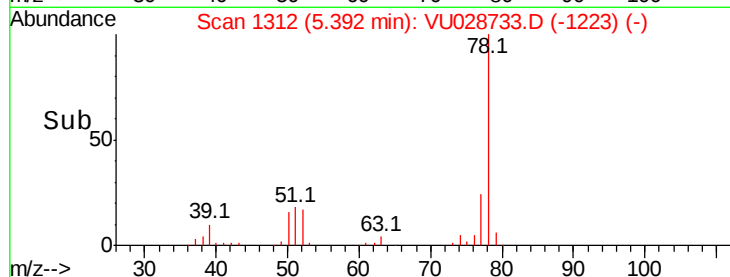
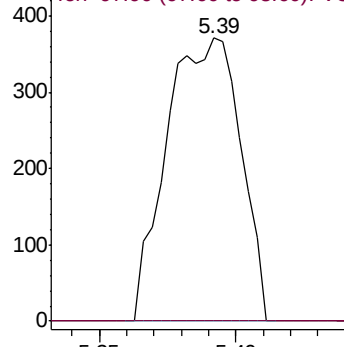
Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.2



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



#45

1,2-Dichloropropane

Concen: 0.465 ug/l

RT: 6.70 min Scan# 1719

Delta R.T. 0.27 min

Lab File: VU028733.D

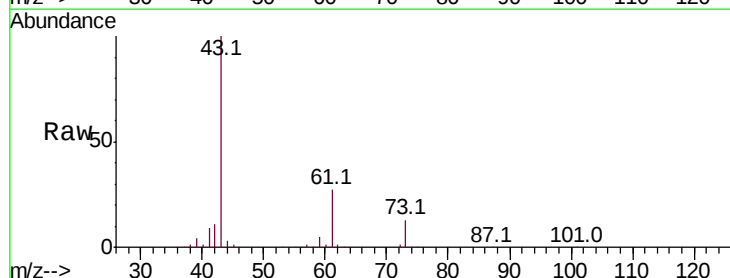
Acq: 17 Dec 2018 20:20

Tgt Ion: 63 Resp: 647

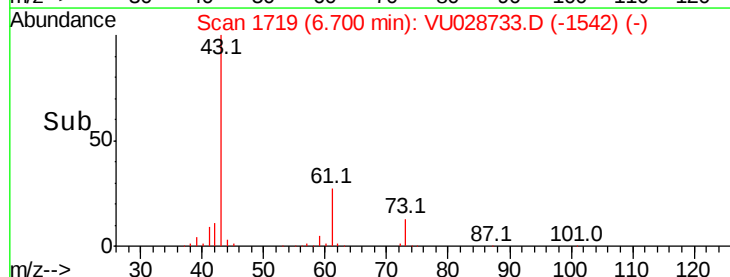
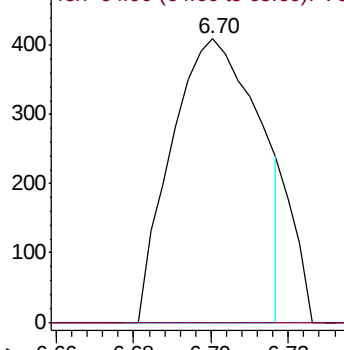
Ion Ratio Lower Upper

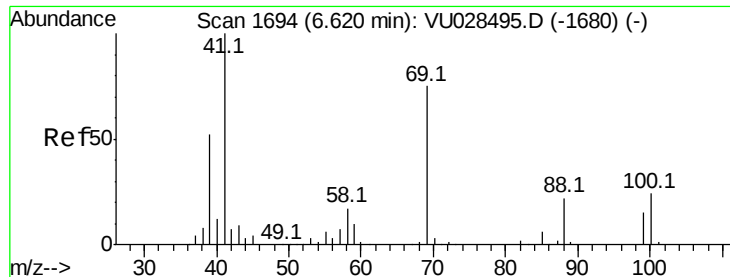
63 100

65 0.0 24.2 36.4#



Abundance Ion 62.90 (62.60 to 63.60): VU0
Ion 64.90 (64.60 to 65.60): VU0





#48

Methvl methacrylate

Concen: 33.790 ug/l

RT: 6.70 min Scan# 1720

Delta R.T. 0.08 min

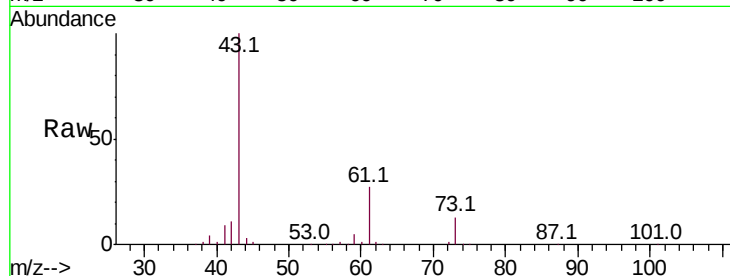
Lab File: VU028733.D

Acq: 17 Dec 2018 20:20

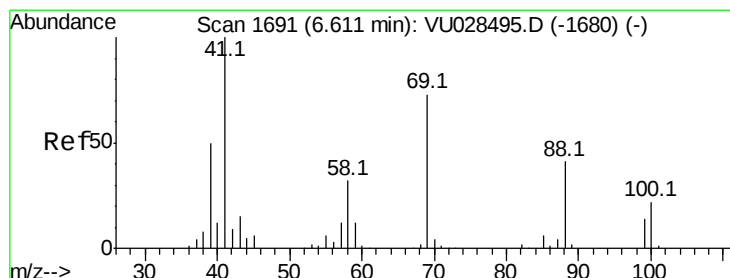
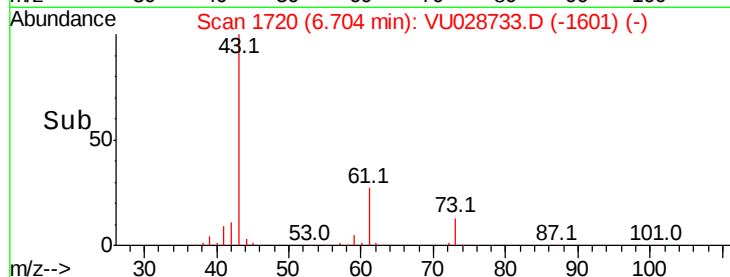
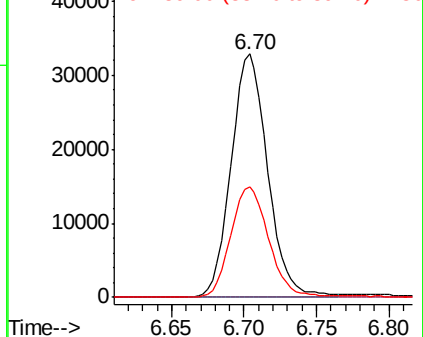
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 41 Resp: 57694

Ion	Ratio	Lower	Upper
41	100		
69	0.0	60.4	90.6#
39	47.2	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



#49

1,4-Dioxane

Concen: 22.960 ug/l

RT: 6.62 min Scan# 1693

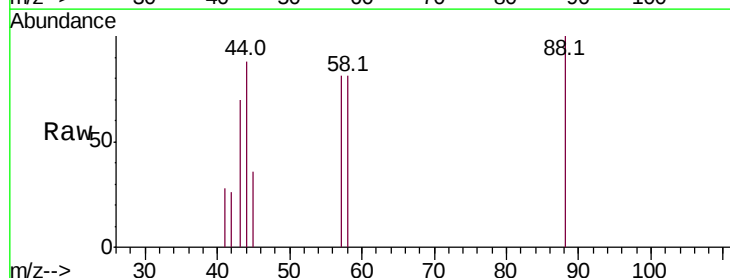
Delta R.T. 0.01 min

Lab File: VU028733.D

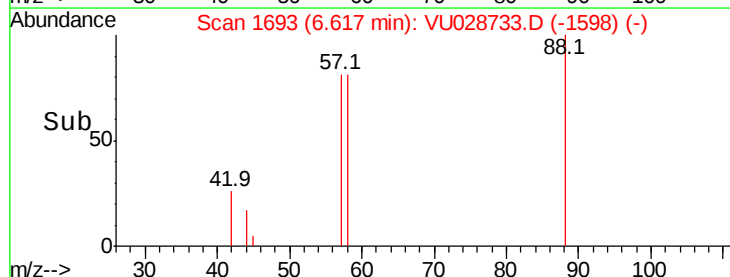
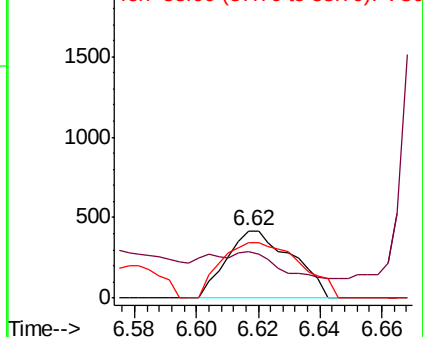
Acq: 17 Dec 2018 20:20

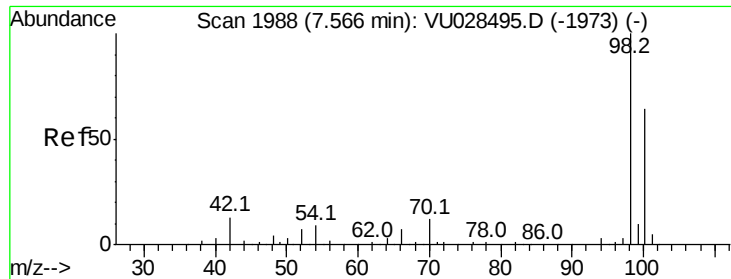
Tgt Ion: 88 Resp: 619

Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.9	46.3#
58	99.7	62.4	93.6#



Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0





#50

Toluene-d8

Concen: 51.136 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU028733.D

Acq: 17 Dec 2018 20:20

Instrument :

MSVOA_U

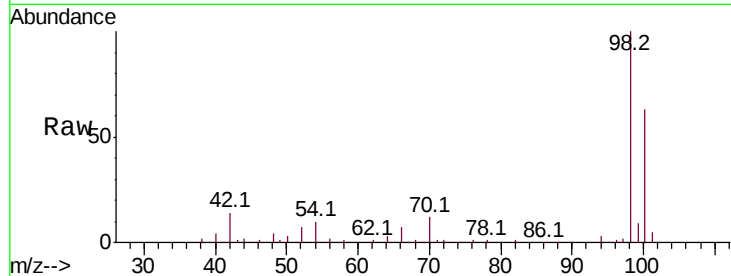
ClientSampleId :

Tot Ion: 98 Resp: 195339

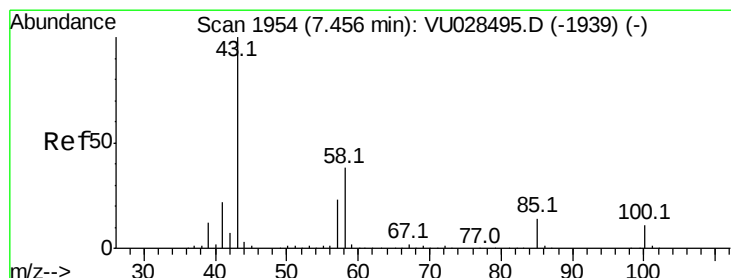
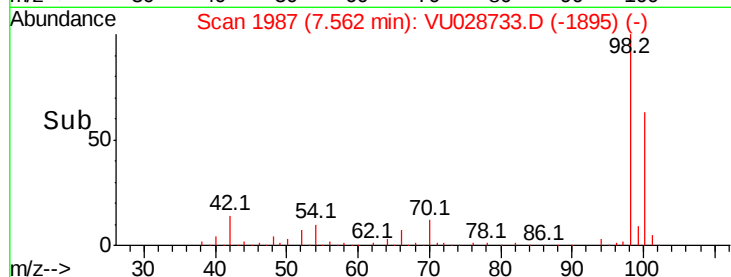
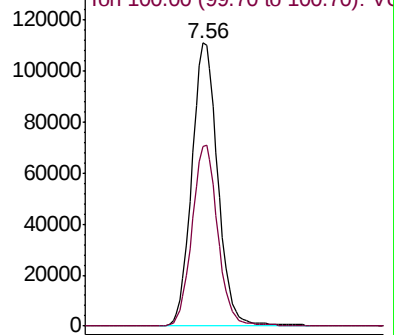
Ion Ratio Lower Upper

98 100

100 63.4 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU028495.D (-1973) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.578 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.01 min

Lab File: VU028733.D

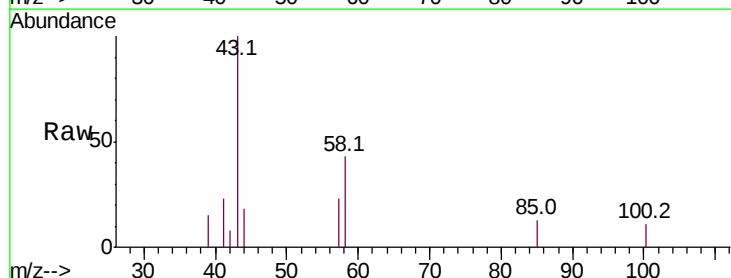
Acq: 17 Dec 2018 20:20

Tgt Ion: 43 Resp: 3417

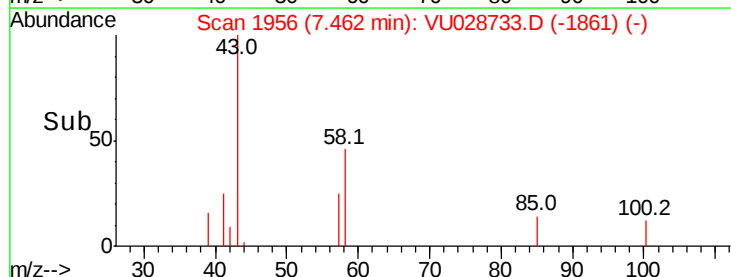
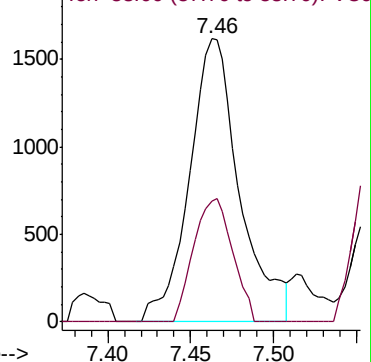
Ion Ratio Lower Upper

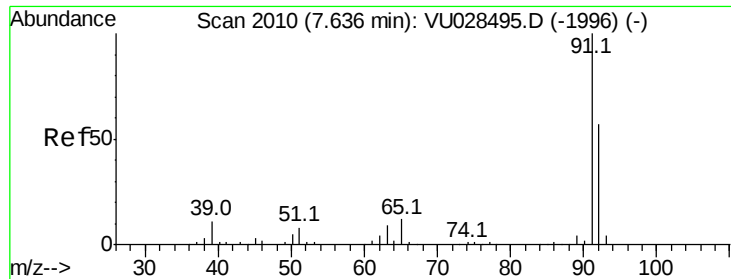
43 100

58 33.7 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)





#52

Toluene

Concen: 12.619 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028733.D

Acq: 17 Dec 2018 20:20

Instrument :

MSVOA_U

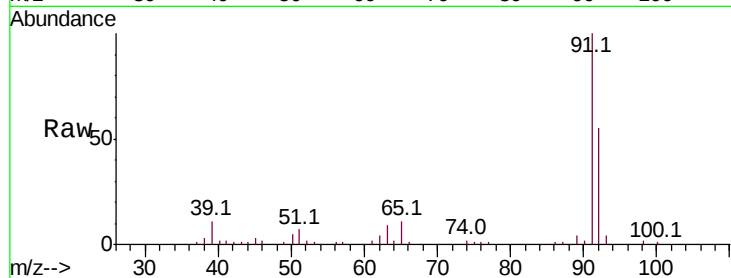
ClientSampleId :

Tot Ion: 92 Resp: 36728

Ion Ratio Lower Upper

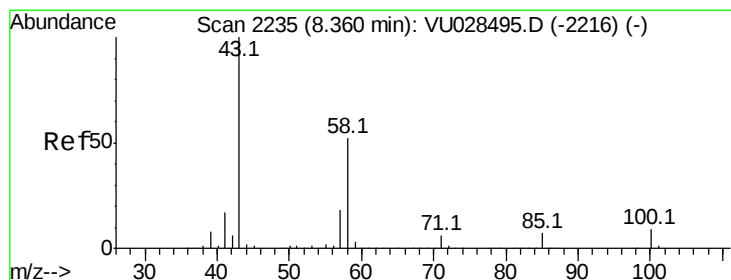
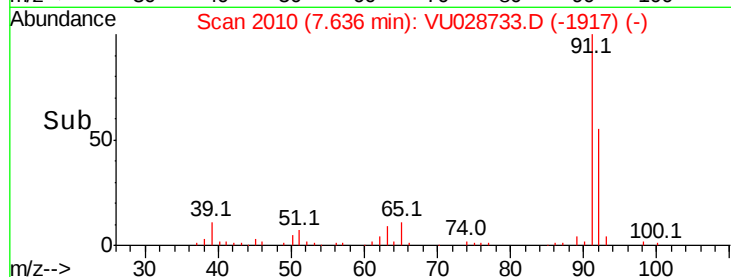
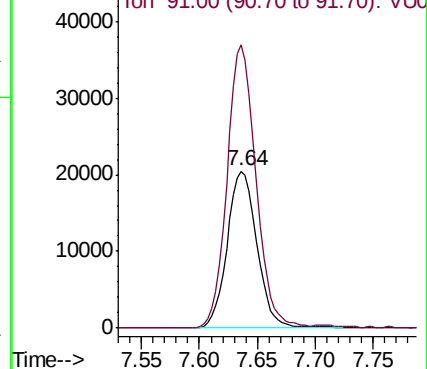
92 100

91 173.8 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#59

2-Hexanone

Concen: 0.618 ug/l

RT: 8.48 min Scan# 2273

Delta R.T. 0.12 min

Lab File: VU028733.D

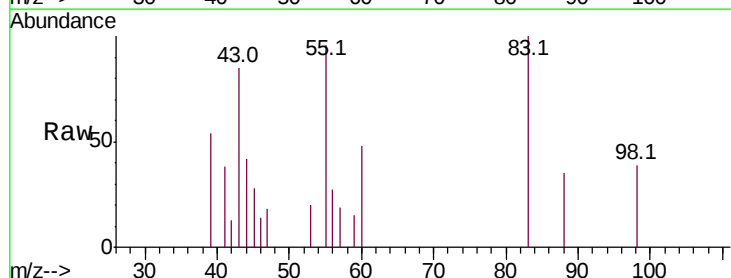
Acq: 17 Dec 2018 20:20

Tgt Ion: 43 Resp: 1060

Ion Ratio Lower Upper

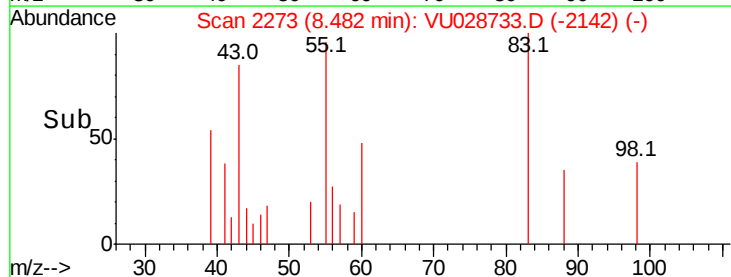
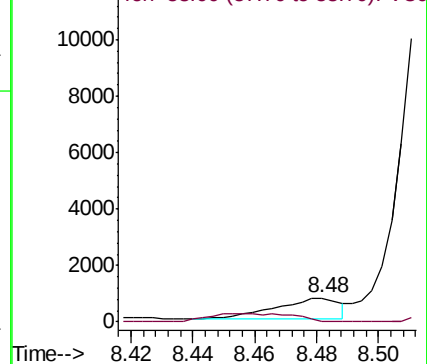
43 100

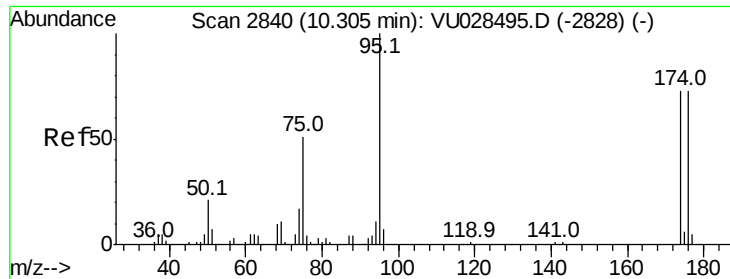
58 0.0 25.9 77.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#62

4-Bromofluorobenzene

Concen: 46.275 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028733.D

Acq: 17 Dec 2018 20:20

Instrument :

MSVOA_U

ClientSampled :

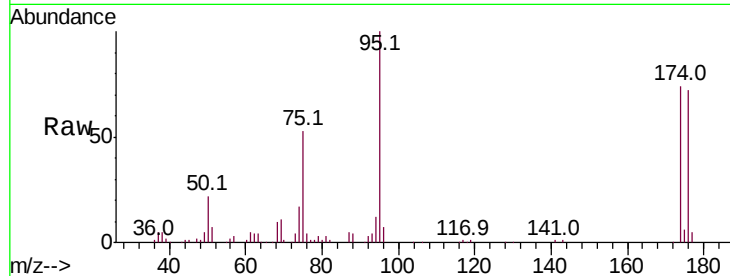
Tot Ion: 95 Resp: 66070

Ion Ratio Lower Upper

95 100

174 74.4 0.0 150.4

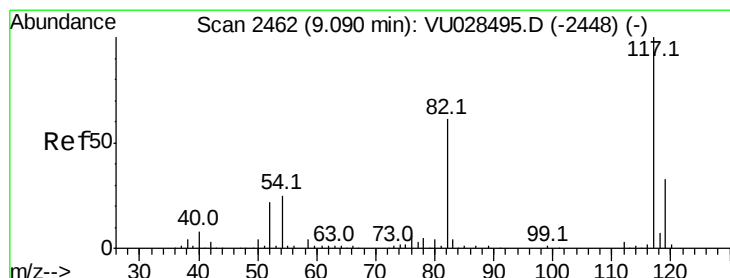
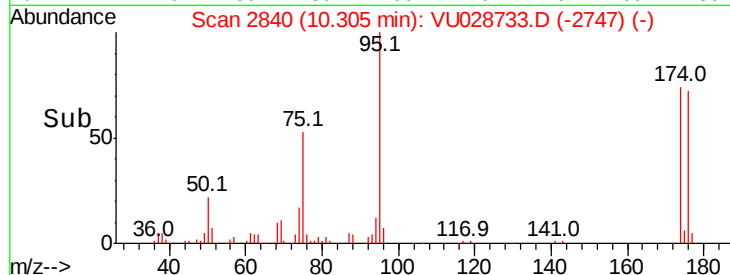
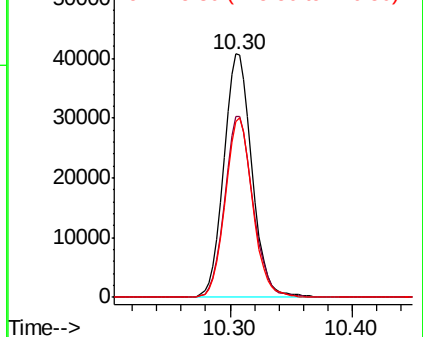
176 71.8 0.0 145.2



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU028733.D

Acq: 17 Dec 2018 20:20

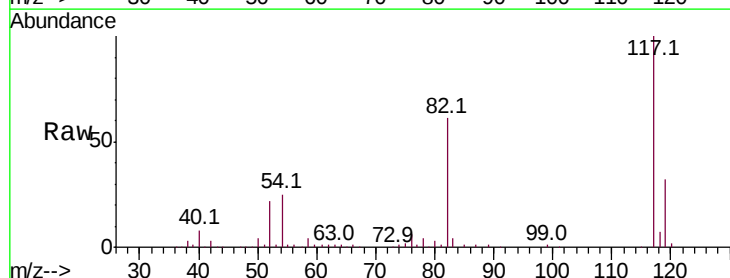
Tgt Ion: 117 Resp: 136104

Ion Ratio Lower Upper

117 100

82 60.5 48.9 73.3

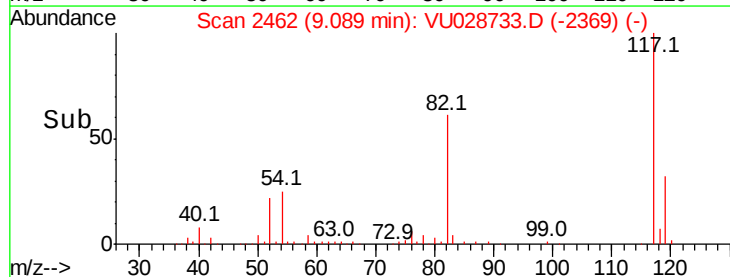
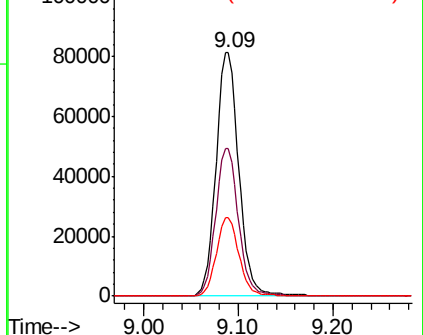
119 32.3 26.2 39.4

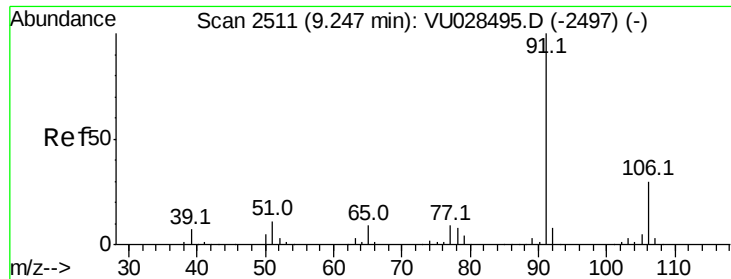


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V

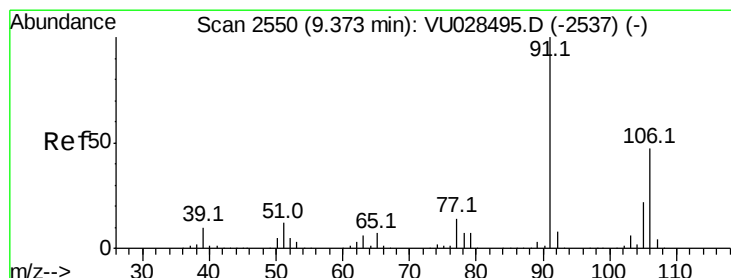
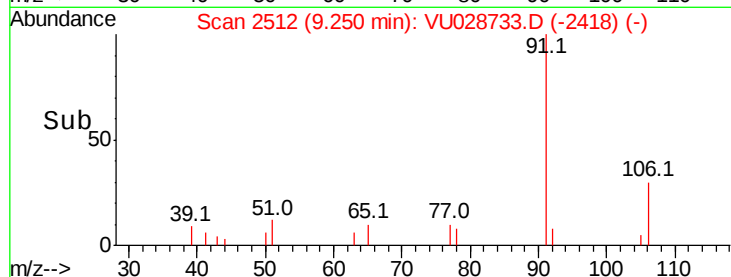
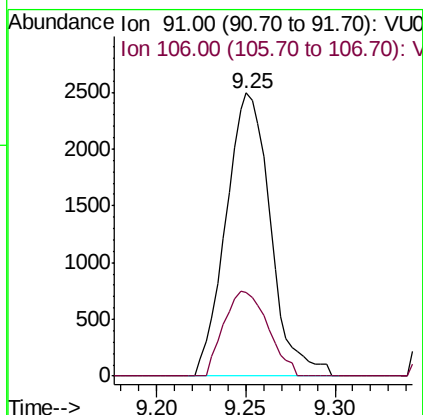
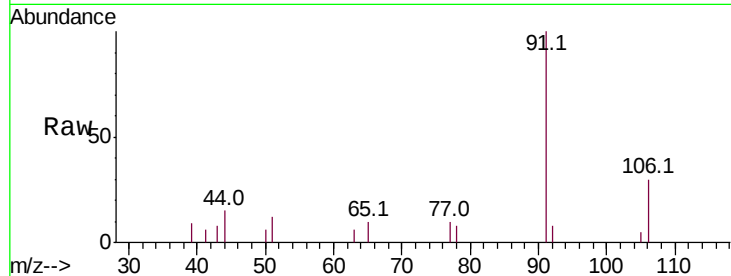




#67
Ethyl Benzene
Concen: 0.811 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028733.D
Acq: 17 Dec 2018 20:20

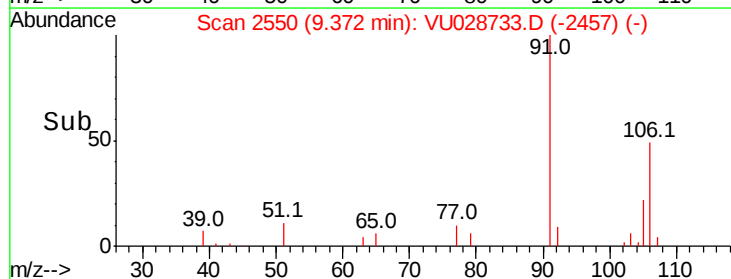
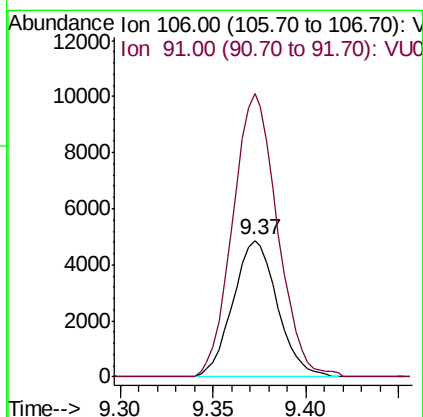
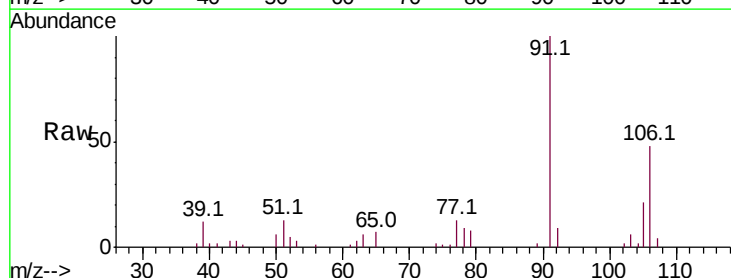
Instrument :
MSVOA_U
ClientSampled :

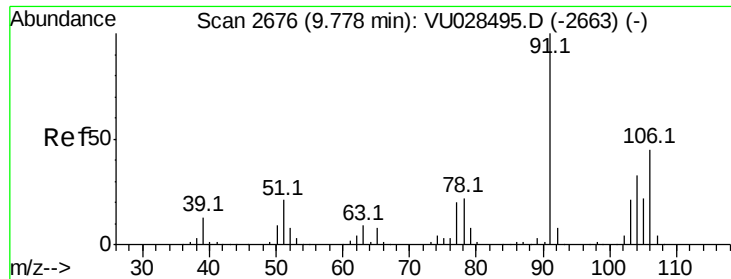
Tot Ion: 91 Resp: 4324
Ion Ratio Lower Upper
91 100
106 29.7 24.1 36.1



#68
m/p-Xylenes
Concen: 4.167 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028733.D
Acq: 17 Dec 2018 20:20

Tgt Ion: 106 Resp: 8085
Ion Ratio Lower Upper
106 100
91 208.7 167.4 251.0

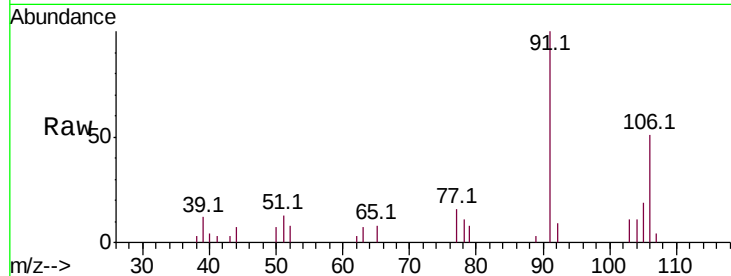




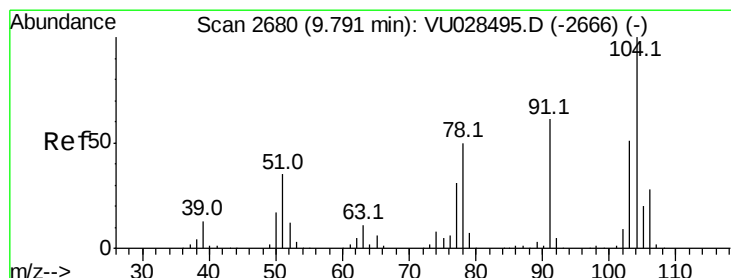
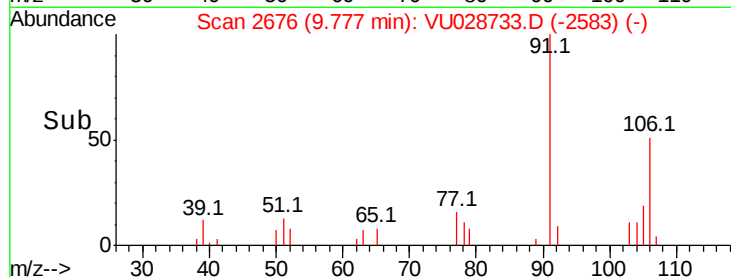
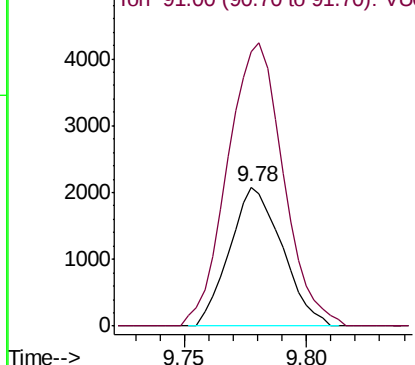
#69
o-Xylene
Concen: 1.655 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028733.D
Acq: 17 Dec 2018 20:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 3120
Ion Ratio Lower Upper
106 100
91 216.0 111.3 334.0

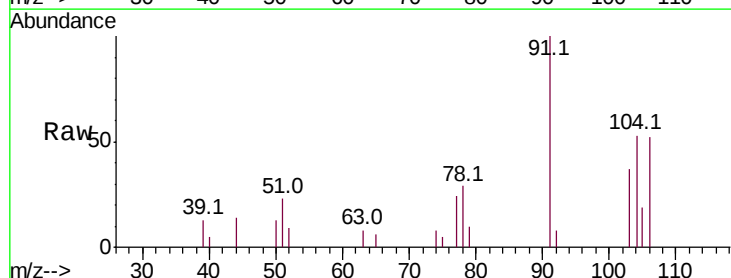


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

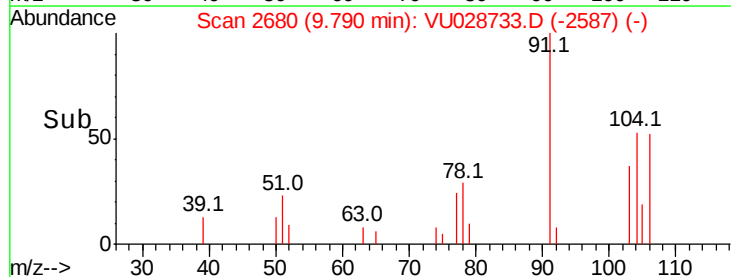
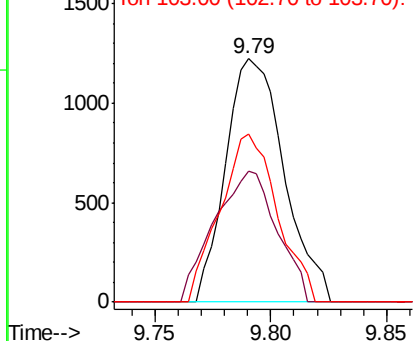


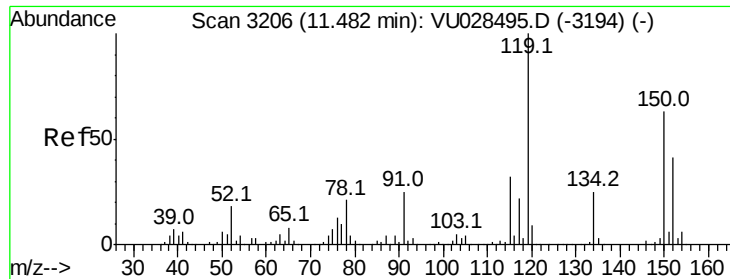
#70
Styrene
Concen: 0.687 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028733.D
Acq: 17 Dec 2018 20:20

Tgt Ion:104 Resp: 2145
Ion Ratio Lower Upper
104 100
78 57.5 43.0 64.6
103 67.5 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: VU028733.D

Acq: 17 Dec 2018 20:20

Instrument :

MSVOA_U

ClientSampled :

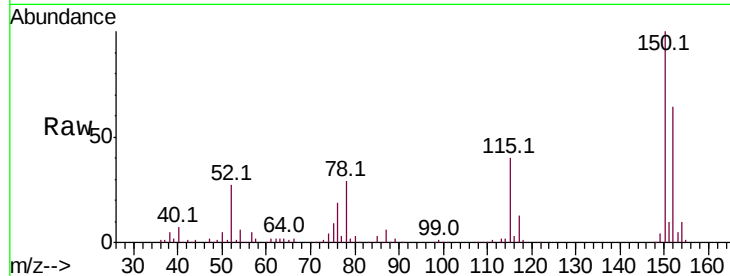
Tot Ion:152 Resp: 56630

Ion Ratio Lower Upper

152 100

115 61.3 42.7 128.1

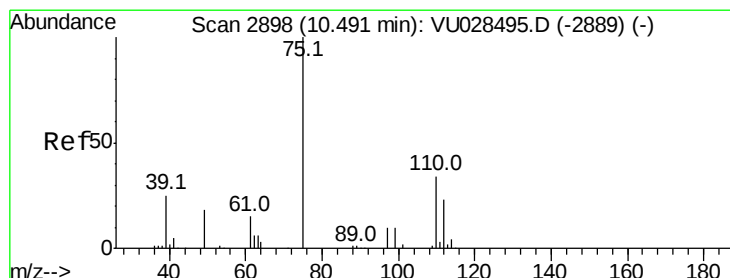
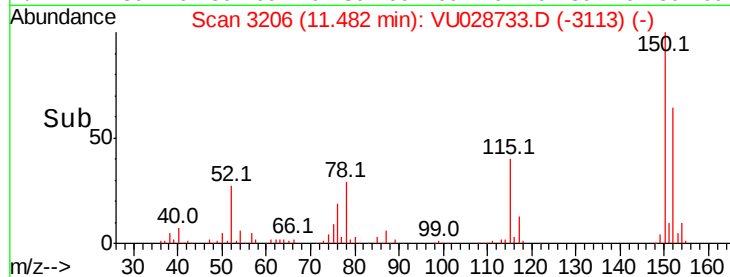
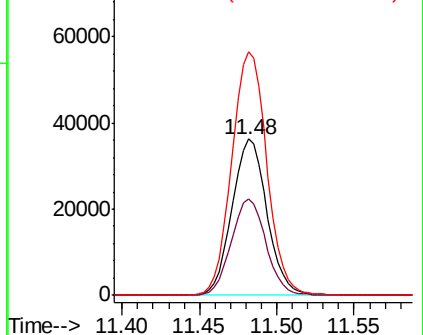
150 156.8 0.0 346.0



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



#76

1,2,3-Trichloropropane

Concen: 23.460 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028733.D

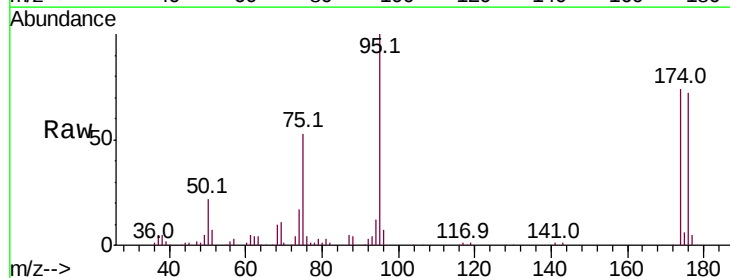
Acq: 17 Dec 2018 20:20

Tgt Ion: 75 Resp: 33924

Ion Ratio Lower Upper

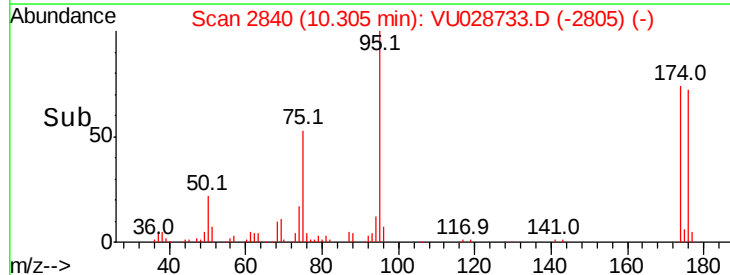
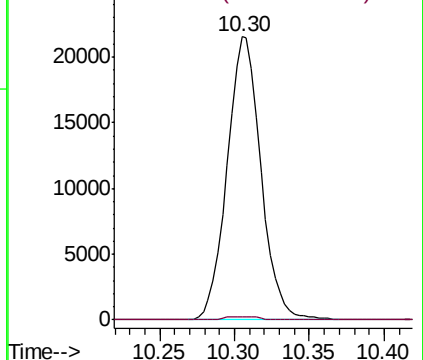
75 100

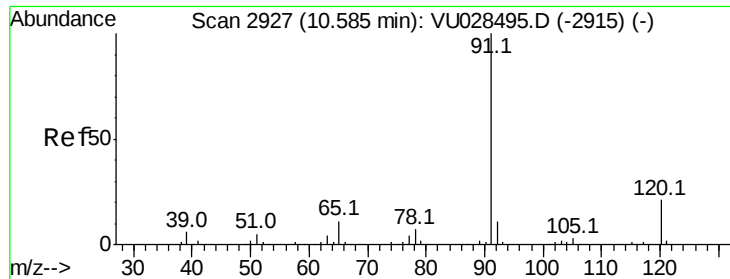
77 1.0 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#78

n-propylbenzene

Concen: 0.275 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. 0.01 min

Lab File: VU028733.D

Acq: 17 Dec 2018 20:20

Instrument :

MSVOA_U

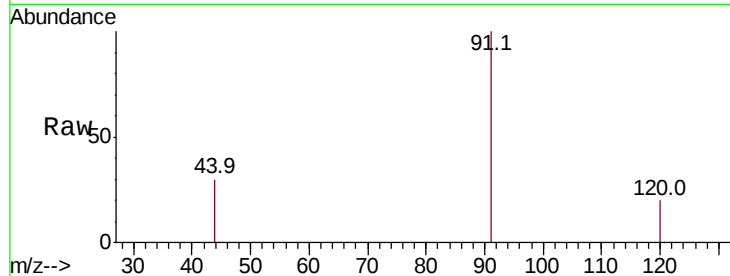
ClientSampleId :

Tot Ion: 91 Resp: 1483

Ion Ratio Lower Upper

91 100

120 14.0 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2915) (-)

Ion 120.00 (119.70 to 120.70): VU028495.D (-2915) (-)

10.59

800

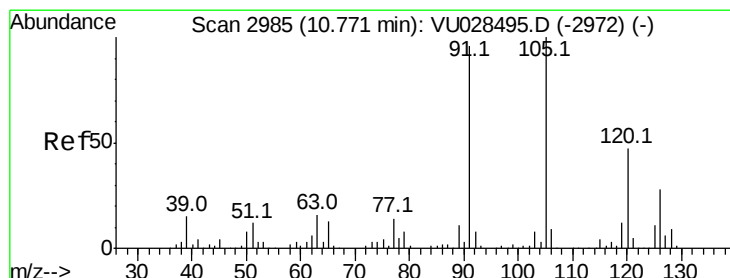
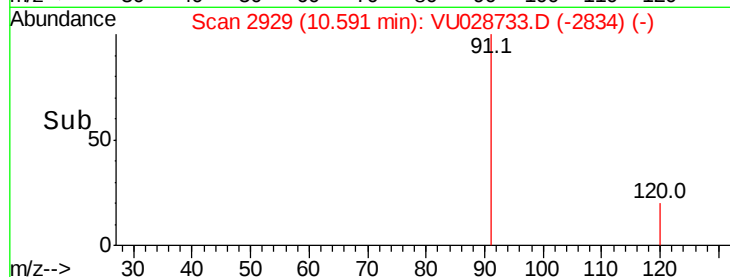
600

400

200

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.390 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028733.D

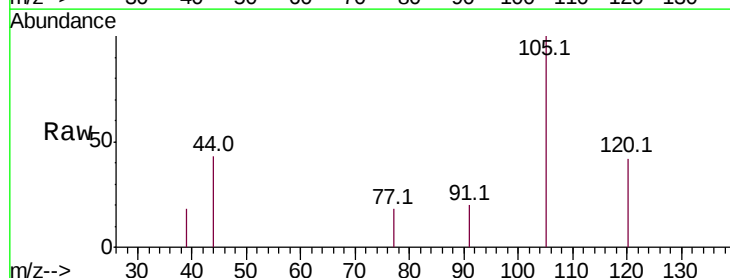
Acq: 17 Dec 2018 20:20

Tgt Ion: 105 Resp: 1403

Ion Ratio Lower Upper

105 100

120 48.9 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VU028495.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU028495.D (-2972) (-)

10.77

1000

800

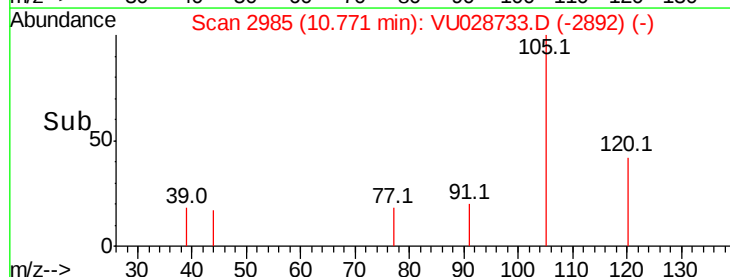
600

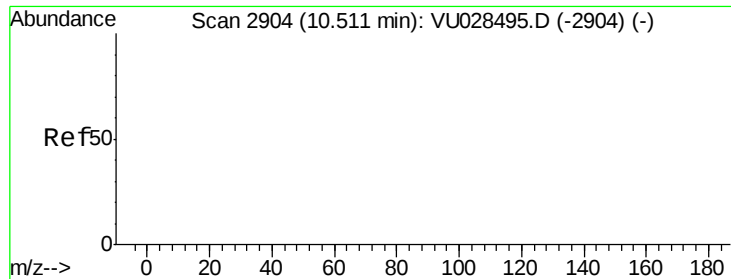
400

200

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 57.599 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028733.D

Acq: 17 Dec 2018 20:20

Instrument :

MSVOA_U

ClientSampled :

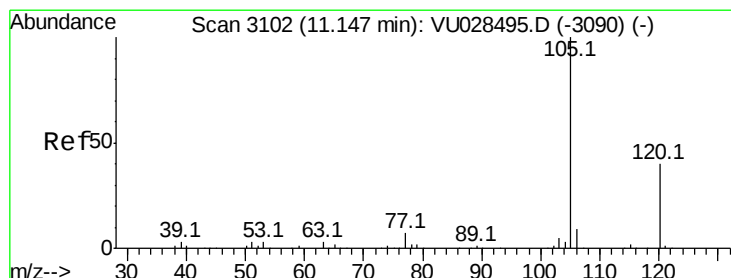
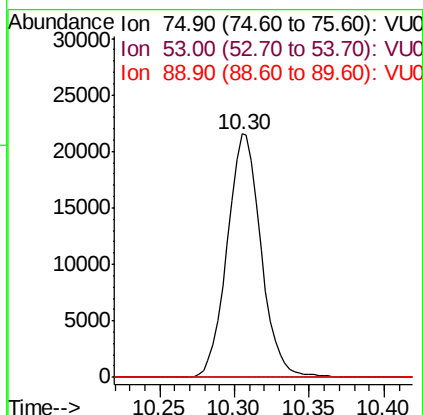
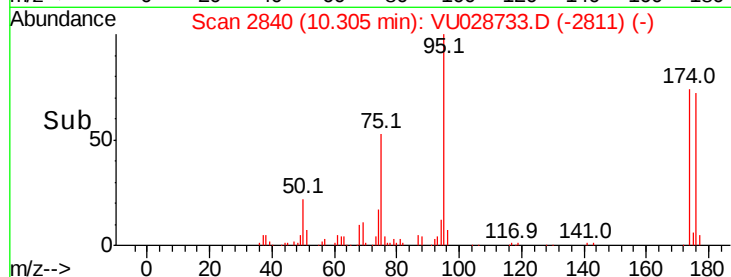
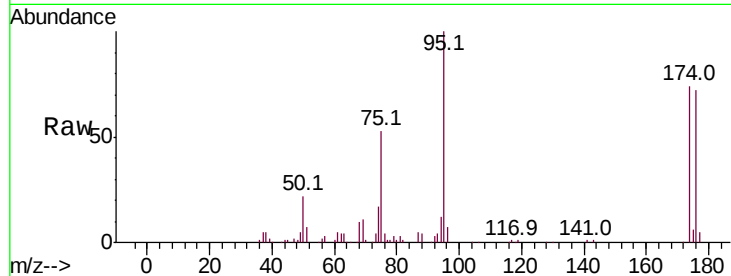
Tot Ion: 75 Resp: 33924

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: 1.214 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.00 min

Lab File: VU028733.D

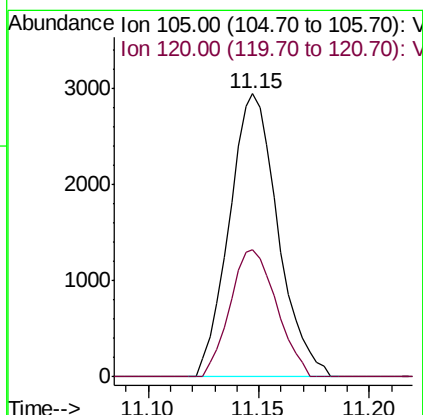
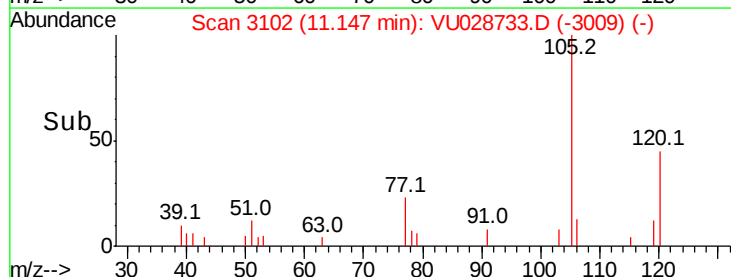
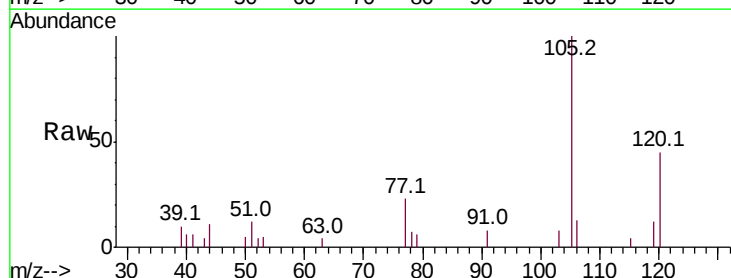
Acq: 17 Dec 2018 20:20

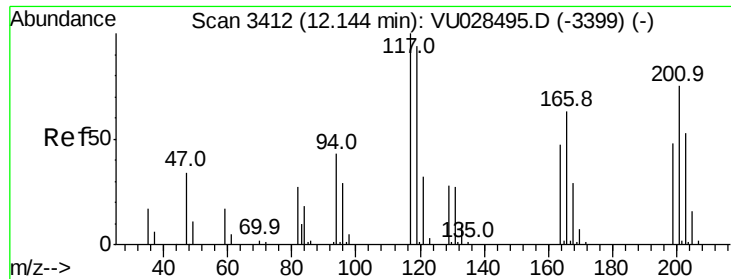
Tgt Ion:105 Resp: 4502

Ion Ratio Lower Upper

105 100

120 43.0 21.8 65.4





#90

Hexachloroethane

Concen: 0.205 ug/l

RT: 12.22 min Scan# 3435

Delta R.T. 0.07 min

Lab File: VU028733.D

Acq: 17 Dec 2018 20:20

Instrument :

MSVOA_U

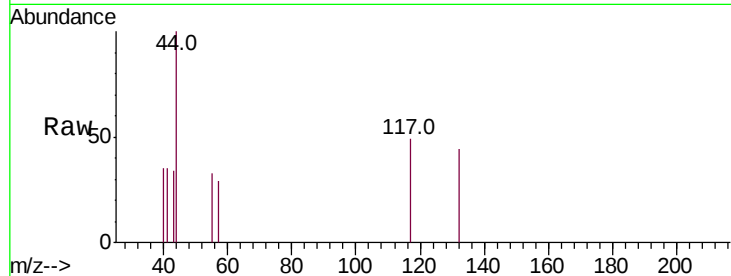
ClientSampleId :

Tot Ion:117 Resp: 117

Ion Ratio Lower Upper

117 100

201 0.0 38.1 114.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.22

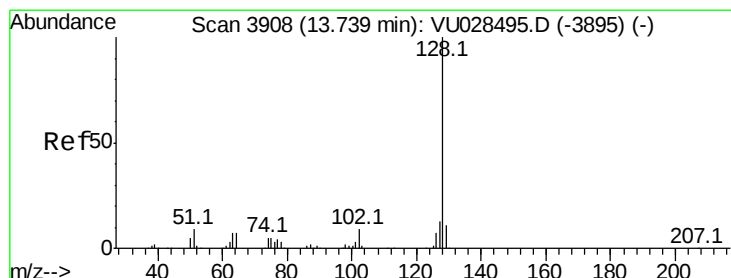
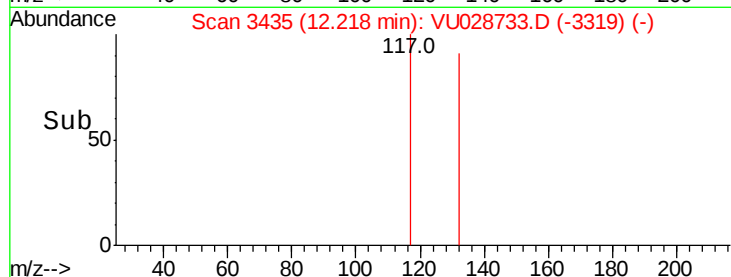
150

100

50

0

Time-->



#95

Naphthalene

Concen: 0.486 ug/l

RT: 13.75 min Scan# 3910

Delta R.T. 0.01 min

Lab File: VU028733.D

Acq: 17 Dec 2018 20:20

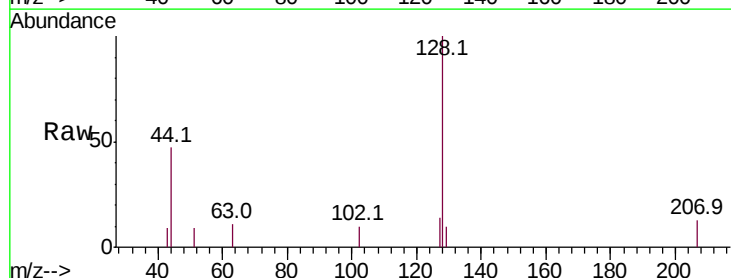
Tgt Ion:128 Resp: 2237

Ion Ratio Lower Upper

128 100

127 9.6 10.4 15.6#

129 2.1 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

13.75

1500

1000

500

0

Time-->

