

Data Path : Z:\HPCHEM1\MSVOA_U\DATA\VU011019\
 Data File : VU029118.D
 Acq On : 10 Jan 2019 15:04
 Operator : MD/SY
 Sample : K1117-01
 Misc : 6.95g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-IDW22

Quant Time: Jan 11 02:47:19 2019
 Quant Method : Z:\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.97	168	142093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	243319	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	232725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	109621	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.30	65	92001	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	
35) Dibromofluoromethane	4.88	113	78658	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
50) Toluene-d8	7.56	98	307009	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	10.31	95	114127	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	

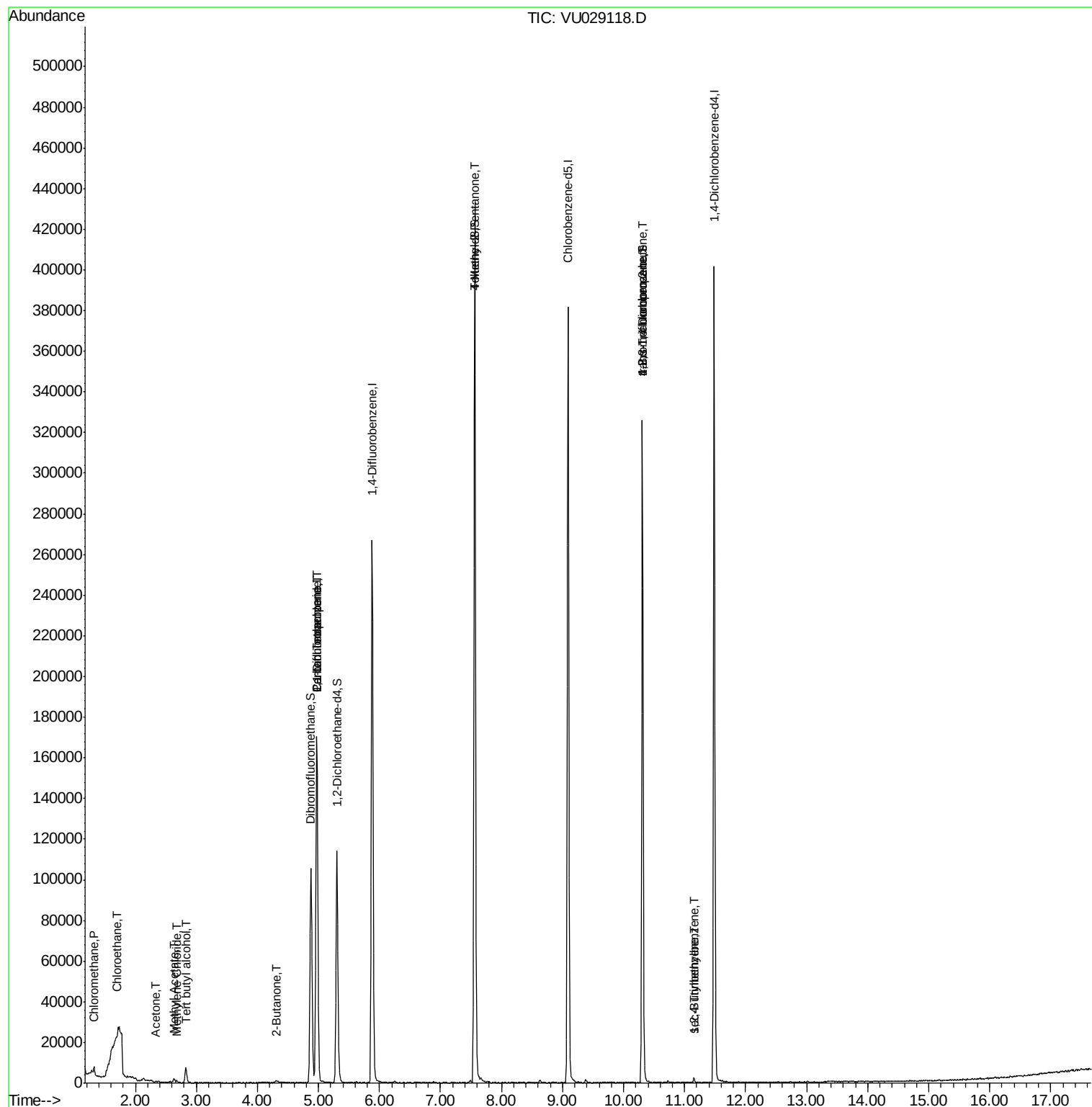
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2773	0.542	ug/l	93
5) Bromomethane	1.60	94	695	Below Cal		92
6) Chloroethane	1.68	64	290	0.234	ug/l #	43
11) Tert butyl alcohol	2.83	59	4300	9.631	ug/l #	73
16) Acetone	2.35	43	631	0.570	ug/l #	39
17) Carbon Disulfide	2.44	76	208	Below Cal	#	75
18) Methyl Acetate	2.63	43	3126	1.215	ug/l #	89
20) Methylene Chloride	2.68	84	522	0.278	ug/l #	80
25) 2-Butanone	4.31	43	1366	0.914	ug/l #	87
31) Cyclohexane	4.97	56	2596	Below Cal	#	1
36) 1,1-Dichloropropene	4.97	75	10178	4.185	ug/l #	47
38) Carbon Tetrachloride	4.97	117	12618	6.220	ug/l #	16
51) 4-Methyl-2-Pentanone	7.56	43	1208	0.433	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	53414	19.887	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	53414	51.289	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	1819	0.269	ug/l	91
85) sec-Butylbenzene	11.15	105	1819	0.225	ug/l #	57

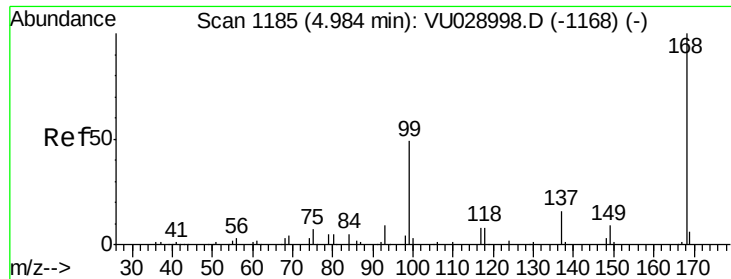
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.97 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VU029118.D

Acq: 10 Jan 2019 15:04

Instrument :

MSVOA_U

ClientSampleId :

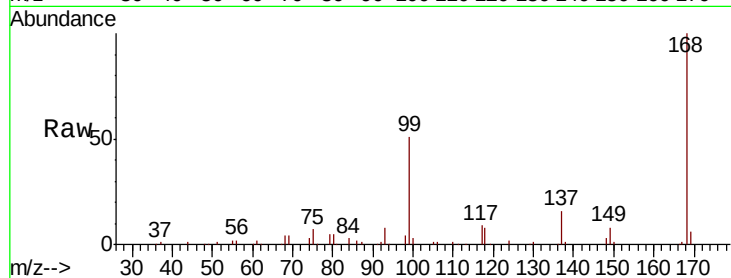
S32-IDW22

Tgt Ion: 168 Resp: 142093

Ion Ratio Lower Upper

168 100

99 50.9 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028998.D (-1168) (-)

4.97

60000

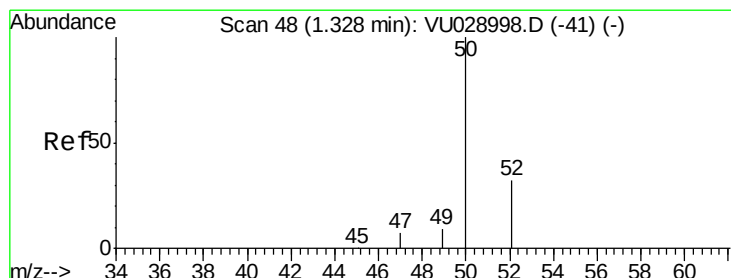
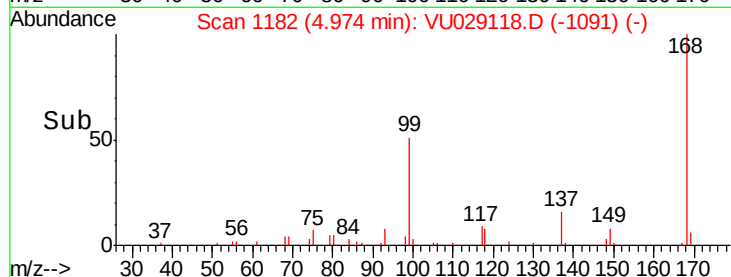
40000

20000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 0.542 ug/l

RT: 1.32 min Scan# 46

Delta R.T. -0.01 min

Lab File: VU029118.D

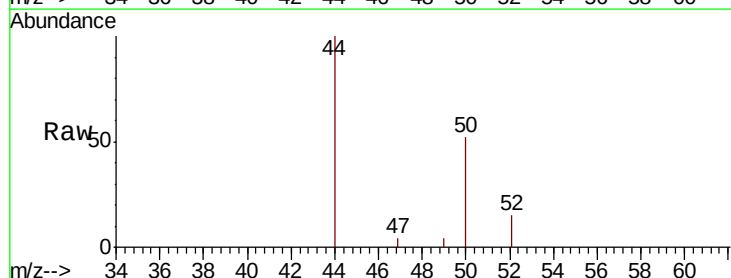
Acq: 10 Jan 2019 15:04

Tgt Ion: 50 Resp: 2773

Ion Ratio Lower Upper

50 100

52 28.5 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VU028998.D (-41) (-)

Ion 51.90 (51.60 to 52.60): VU028998.D (-41) (-)

1.32

2500

2000

1500

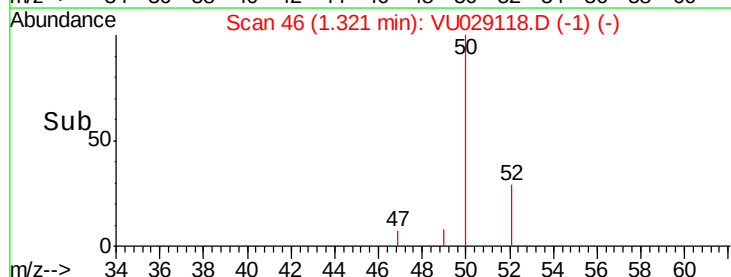
1000

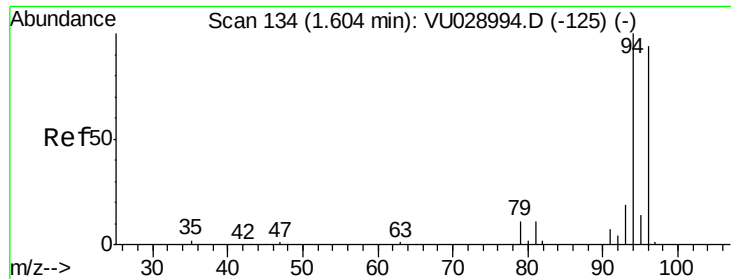
500

0

1.28 1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.60 min Scan# 132

Delta R.T. -0.01 min

Lab File: VU029118.D

Acq: 10 Jan 2019 15:04

Instrument :

MSVOA_U

ClientSampleId :

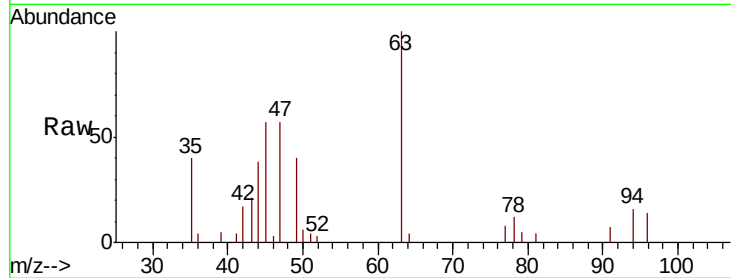
S32-IDW22

Tgt Ion: 94 Resp: 695

Ion Ratio Lower Upper

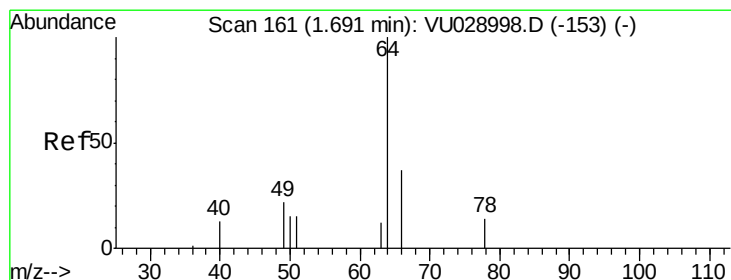
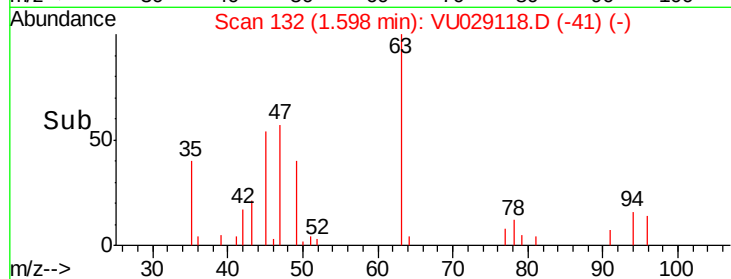
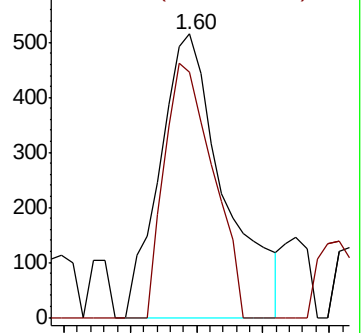
94 100

96 86.4 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 0.234 ug/l

RT: 1.68 min Scan# 158

Delta R.T. 0.00 min

Lab File: VU029118.D

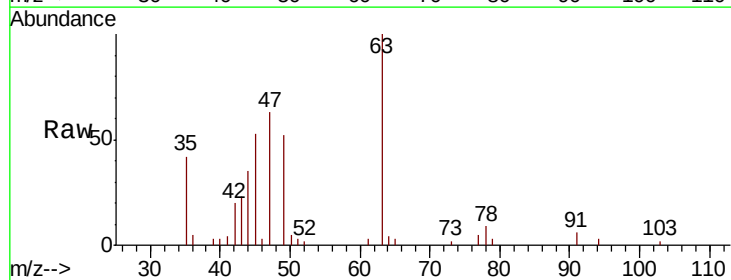
Acq: 10 Jan 2019 15:04

Tgt Ion: 64 Resp: 290

Ion Ratio Lower Upper

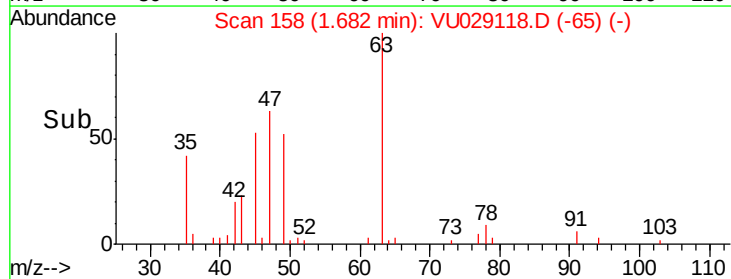
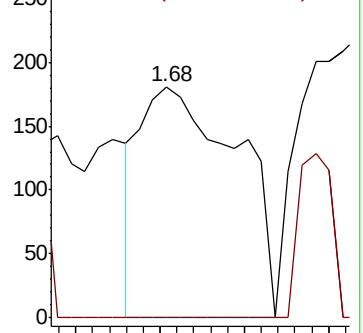
64 100

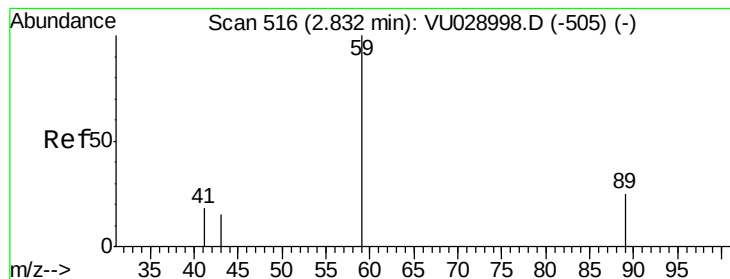
66 0.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#11

Tert butyl alcohol

Concen: 9.631 ug/l

RT: 2.83 min Scan# 514

Delta R.T. -0.01 min

Lab File: VU029118.D

Acq: 10 Jan 2019 15:04

Instrument :

MSVOA_U

ClientSampleId :

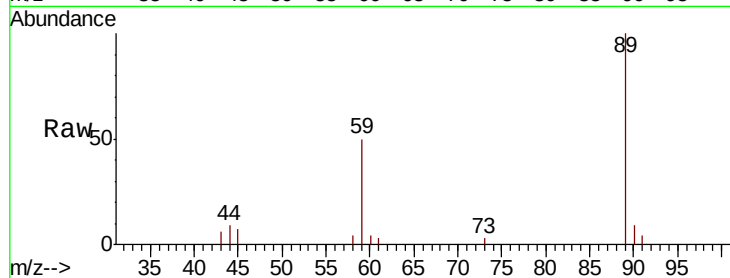
S32-IDW22

Tgt Ion: 59 Resp: 4300

Ion Ratio Lower Upper

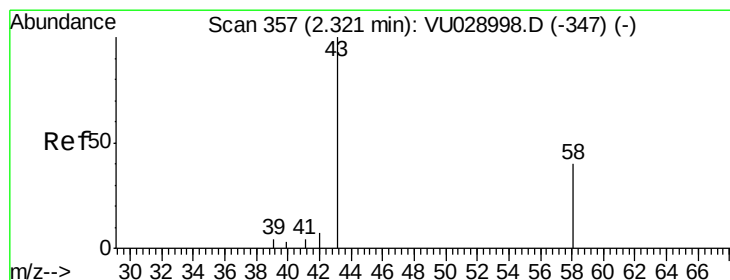
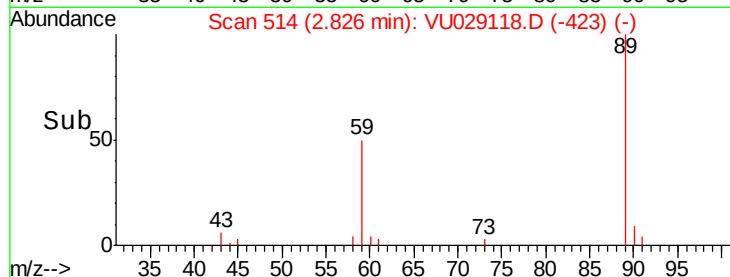
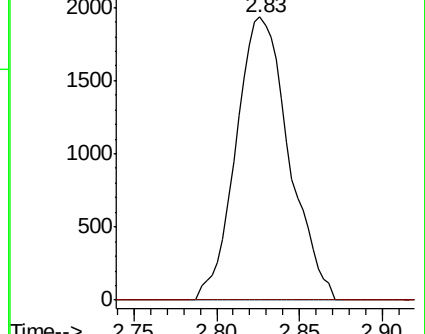
59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VU028998.D (-505) (-)

Ion 57.00 (56.70 to 57.70): VU028998.D (-505) (-)



#16

Acetone

Concen: 0.570 ug/l

RT: 2.35 min Scan# 365

Delta R.T. 0.03 min

Lab File: VU029118.D

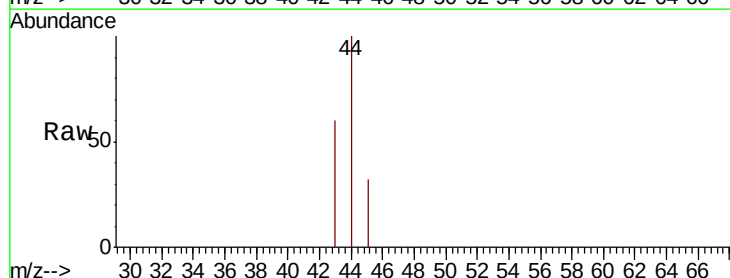
Acq: 10 Jan 2019 15:04

Tgt Ion: 43 Resp: 631

Ion Ratio Lower Upper

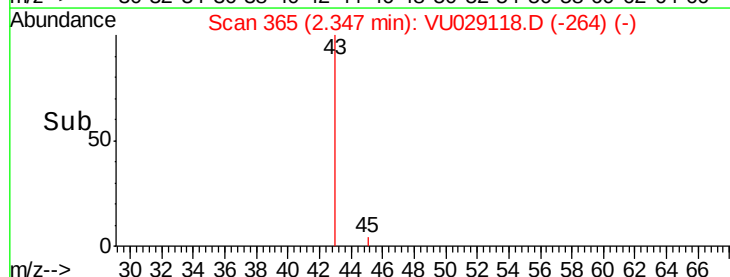
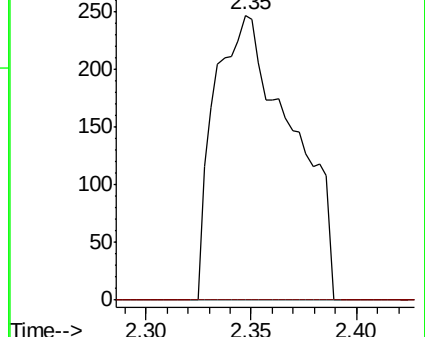
43 100

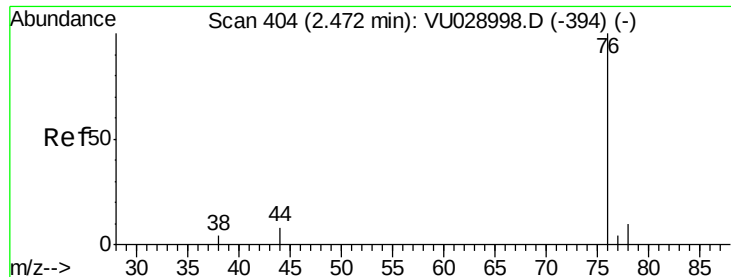
58 0.0 28.6 42.8#



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VU028998.D (-347) (-)





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.44 min Scan# 393

Delta R.T. -0.03 min

Lab File: VU029118.D

Acq: 10 Jan 2019 15:04

Instrument :

MSVOA_U

ClientSampleId :

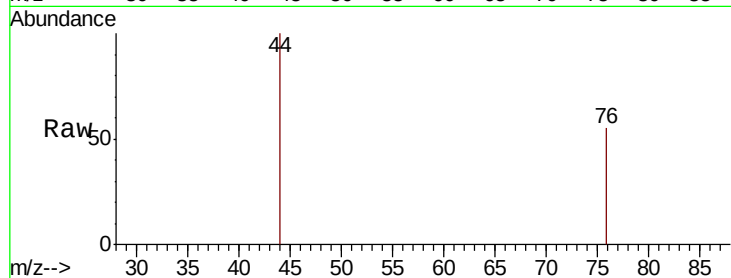
S32-IDW22

Tgt Ion: 76 Resp: 208

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VU028998.D (-394) (-)

Ion 77.90 (77.60 to 78.60): VU028998.D (-394) (-)

2.44

200

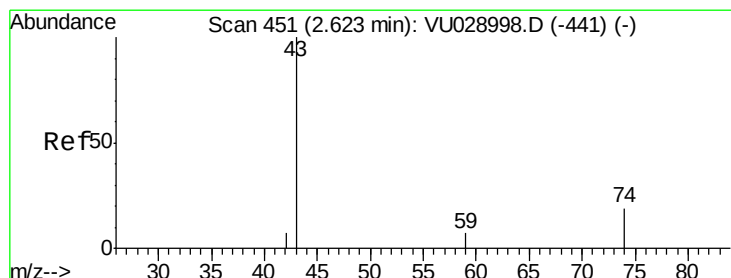
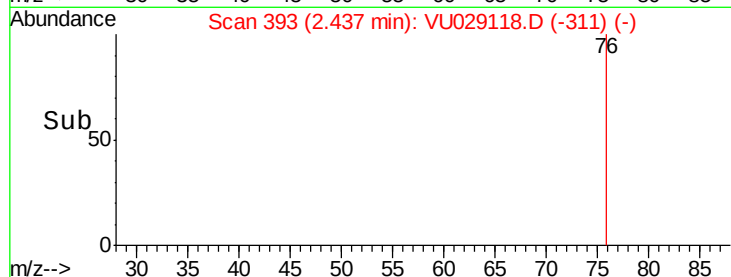
150

100

50

0

Time-->



#18

Methyl Acetate

Concen: 1.215 ug/l

RT: 2.63 min Scan# 454

Delta R.T. 0.02 min

Lab File: VU029118.D

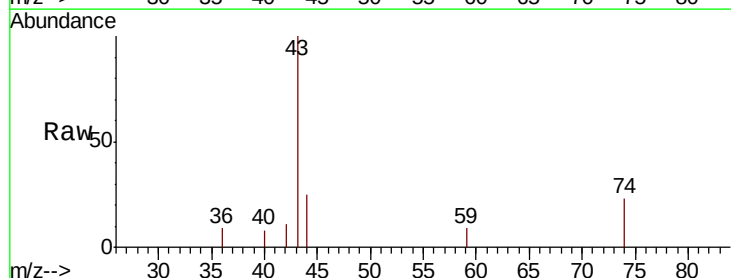
Acq: 10 Jan 2019 15:04

Tgt Ion: 43 Resp: 3126

Ion Ratio Lower Upper

43 100

74 19.1 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-441) (-)

Ion 74.00 (73.70 to 74.70): VU028998.D (-441) (-)

2.63

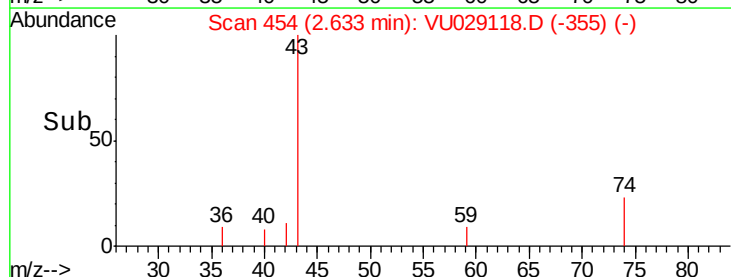
1500

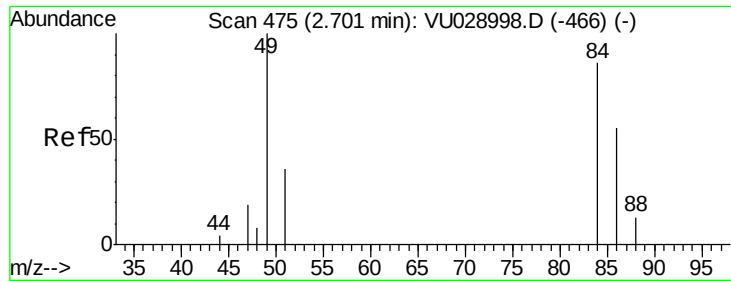
1000

500

0

Time-->



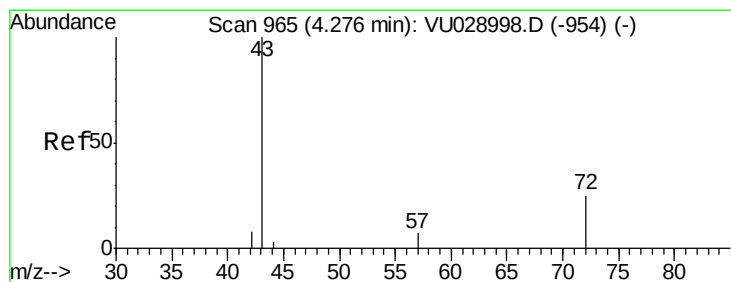
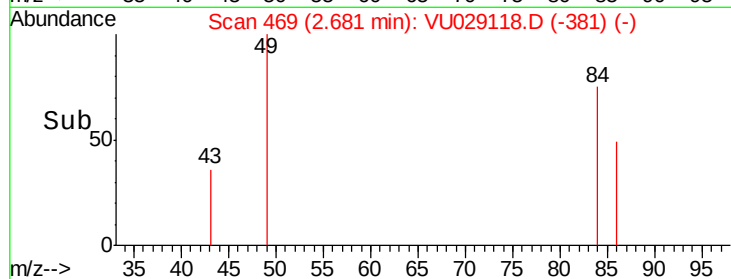
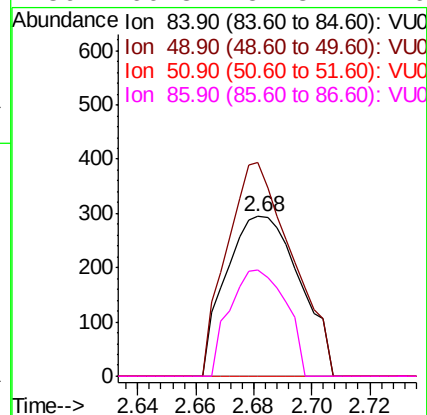
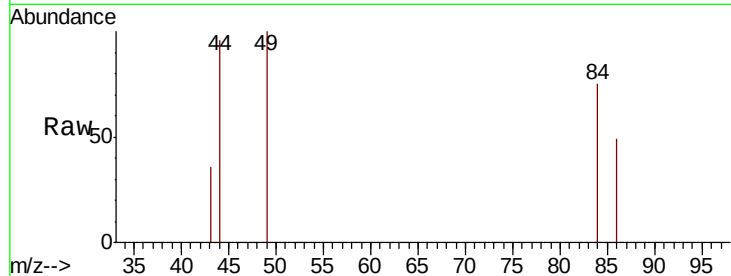


#20
Methylene Chloride
Concen: 0.278 ug/l
RT: 2.68 min Scan# 469
Delta R.T. -0.02 min
Lab File: VU029118.D
Acq: 10 Jan 2019 15:04

Instrument :
MSVOA_U
ClientSampleId :
S32-IDW22

Tgt Ion: 84 Resp: 522

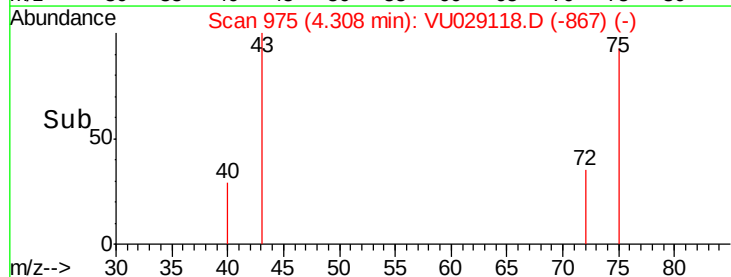
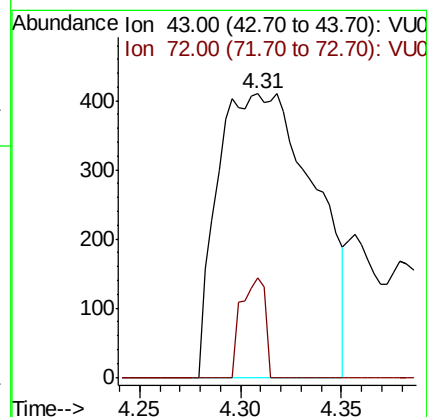
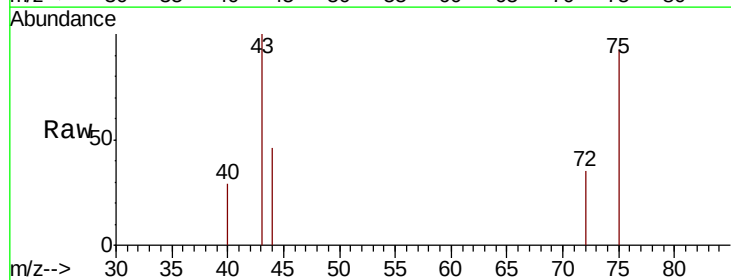
Ion	Ratio	Lower	Upper
84	100		
49	134.0	91.9	137.9
51	0.0	29.2	43.8#
86	66.3	51.8	77.6

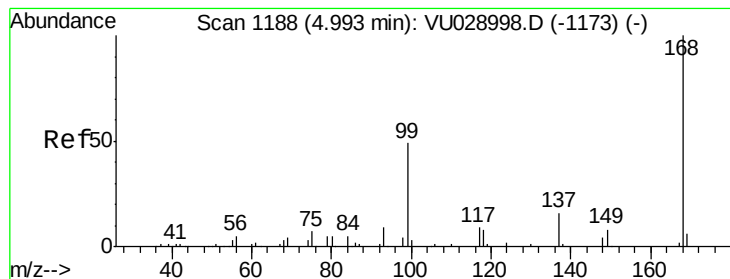


#25
2-Butanone
Concen: 0.914 ug/l
RT: 4.31 min Scan# 975
Delta R.T. 0.05 min
Lab File: VU029118.D
Acq: 10 Jan 2019 15:04

Tgt Ion: 43 Resp: 1366

Ion	Ratio	Lower	Upper
43	100		
72	35.1	22.6	33.8#





#31

Cyclohexane

Concen: Below Cal

RT: 4.97 min Scan# 1180

Delta R.T. -0.03 min

Lab File: VU029118.D

Acq: 10 Jan 2019 15:04

Instrument :

MSVOA_U

ClientSampleId :

S32-IDW22

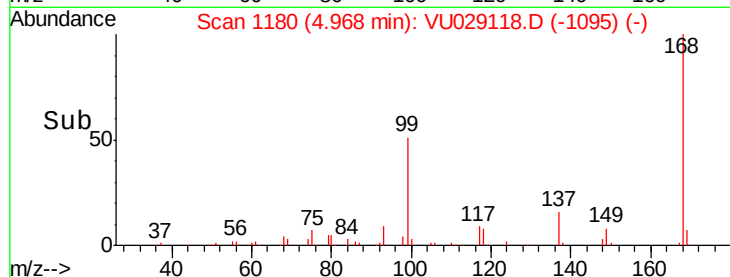
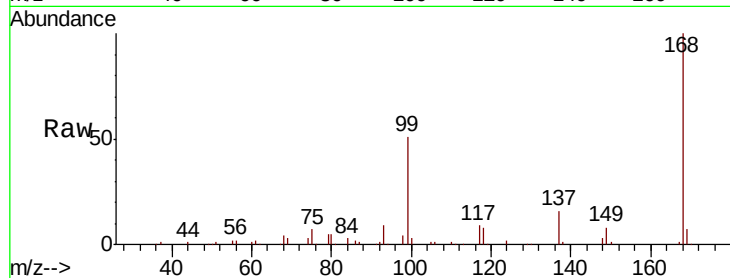
Tgt Ion: 56 Resp: 2596

Ion Ratio Lower Upper

56 100

69 166.9 26.7 40.1#

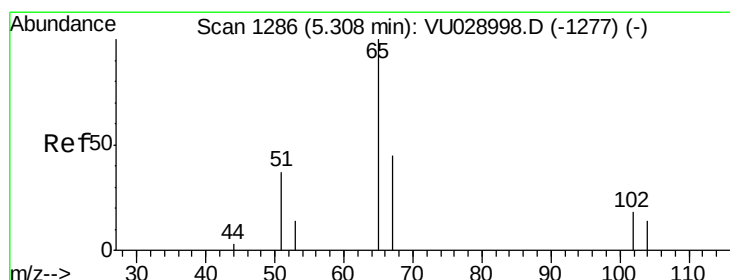
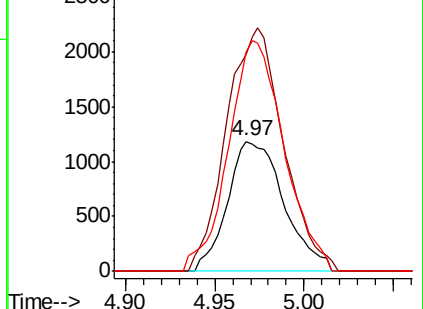
84 168.0 65.7 98.5#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 52.376 ug/l

RT: 5.30 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VU029118.D

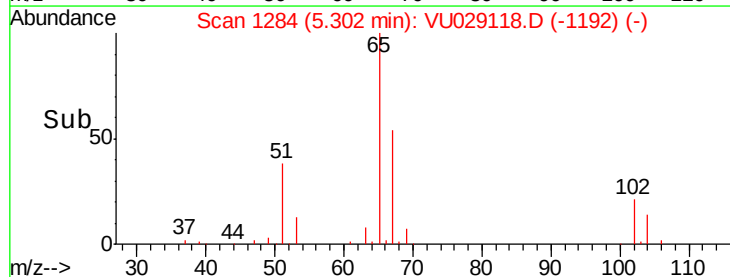
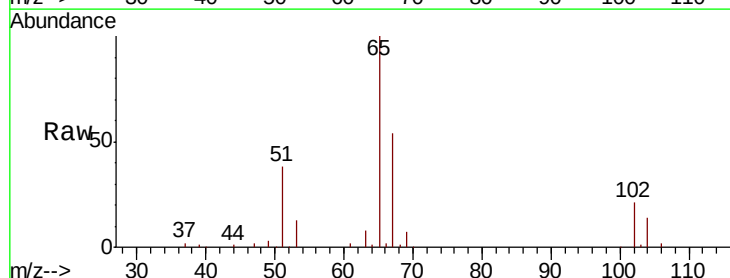
Acq: 10 Jan 2019 15:04

Tgt Ion: 65 Resp: 92001

Ion Ratio Lower Upper

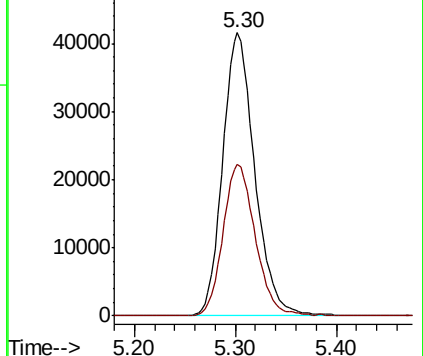
65 100

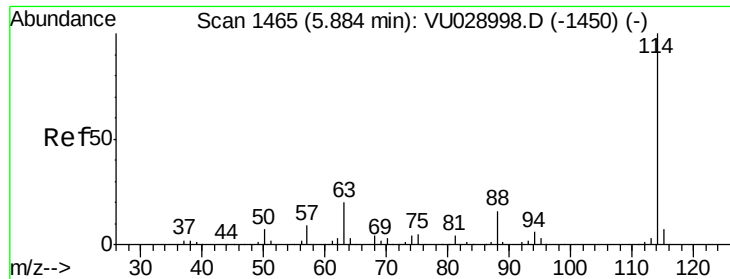
67 53.8 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

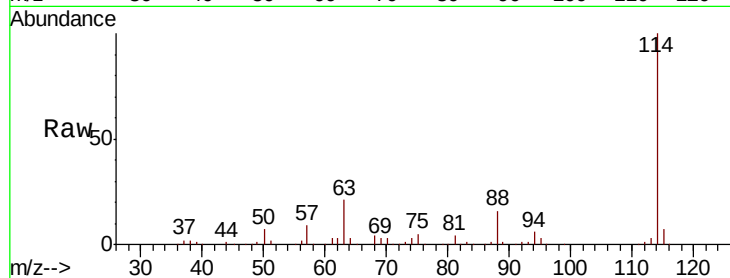




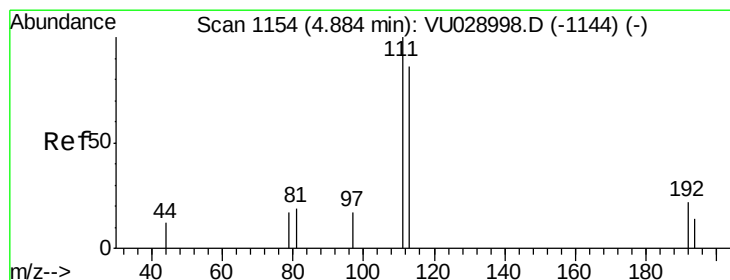
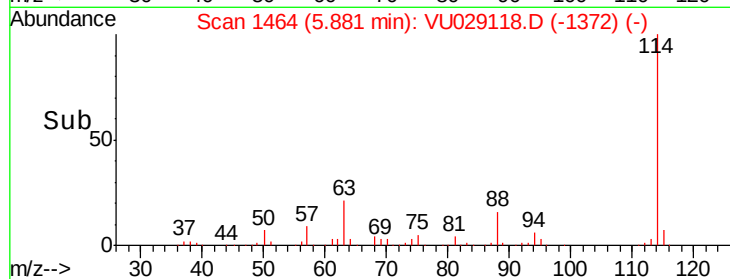
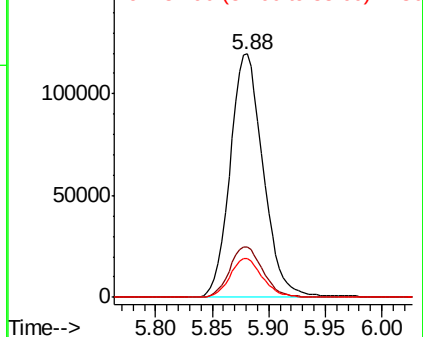
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: VU029118.D
 Acq: 10 Jan 2019 15:04

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-IDW22

Tgt Ion:114 Resp: 243319
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.2
 88 15.9 0.0 30.4

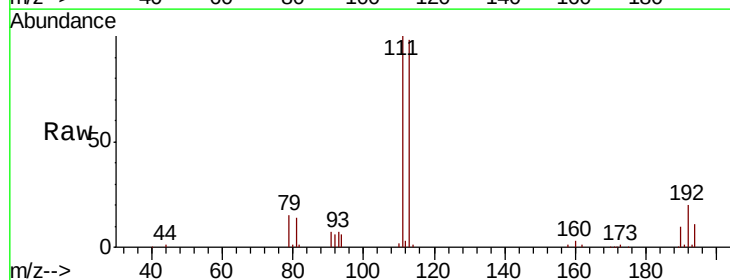


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

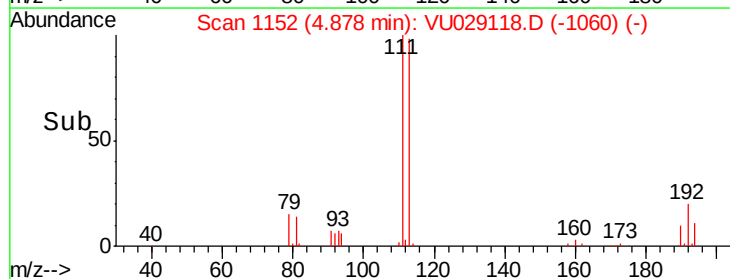
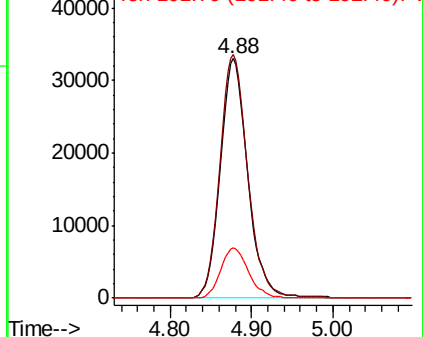


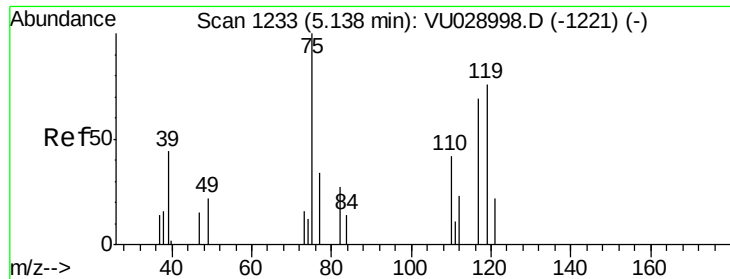
#35
 Dibromofluoromethane
 Concen: 49.870 ug/l
 RT: 4.88 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: VU029118.D
 Acq: 10 Jan 2019 15:04

Tgt Ion:113 Resp: 78658
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.4 122.2
 192 21.1 16.8 25.2



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

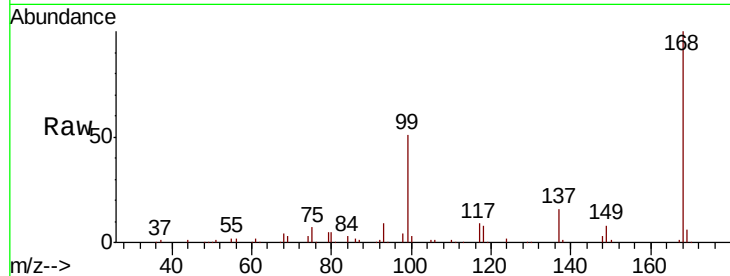




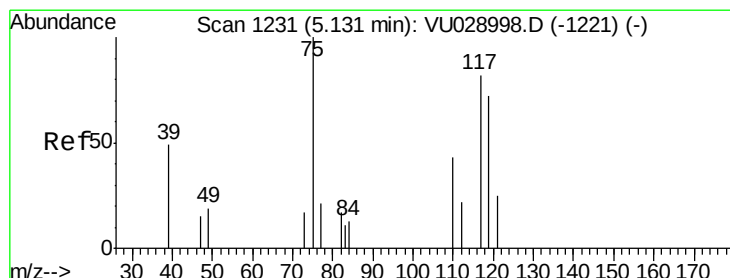
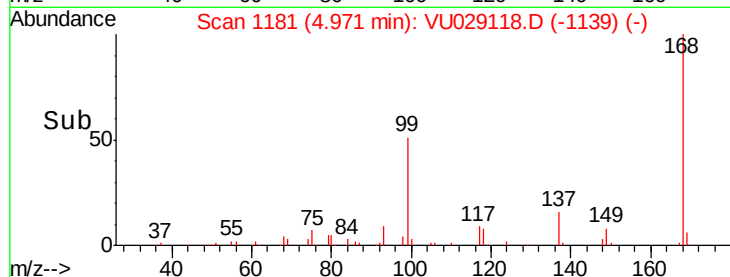
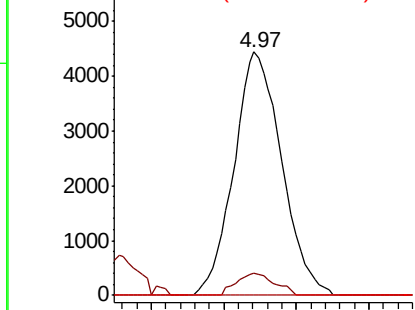
#36
 1,1-Dichloropropene
 Concen: 4.185 ug/l
 RT: 4.97 min Scan# 1181
 Delta R.T. -0.16 min
 Lab File: VU029118.D
 Acq: 10 Jan 2019 15:04

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-IDW22

Tgt Ion: 75 Resp: 10178
 Ion Ratio Lower Upper
 75 100
 110 7.2 18.4 55.4#
 77 0.0 25.1 37.7#

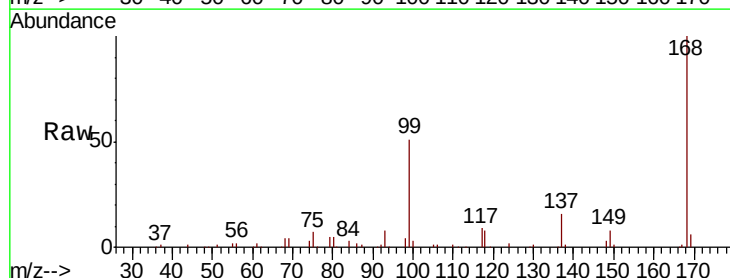


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

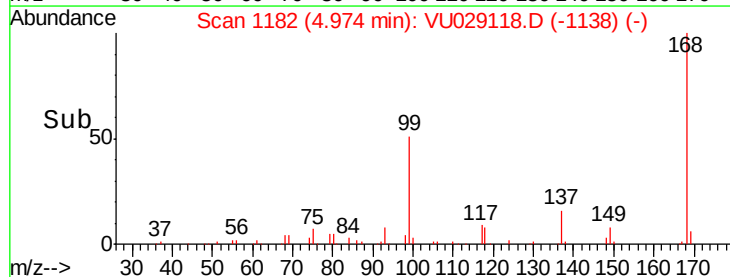
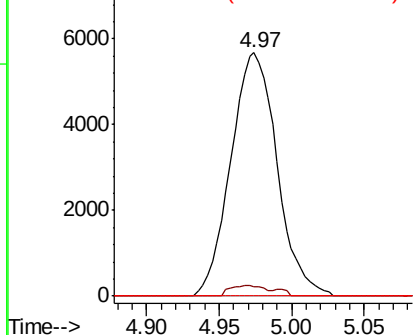


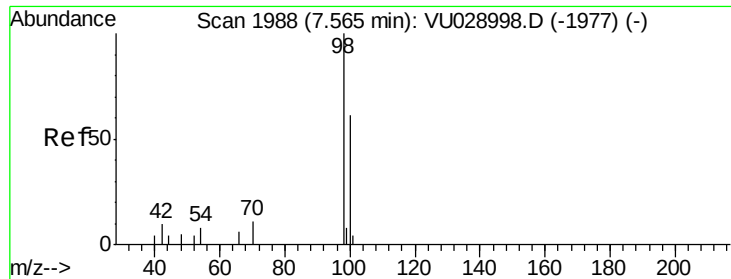
#38
 Carbon Tetrachloride
 Concen: 6.220 ug/l
 RT: 4.97 min Scan# 1182
 Delta R.T. -0.16 min
 Lab File: VU029118.D
 Acq: 10 Jan 2019 15:04

Tgt Ion: 117 Resp: 12618
 Ion Ratio Lower Upper
 117 100
 119 4.0 74.6 111.8#
 121 0.0 25.0 37.6#



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

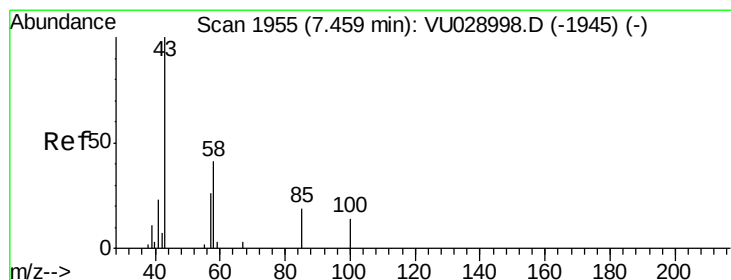
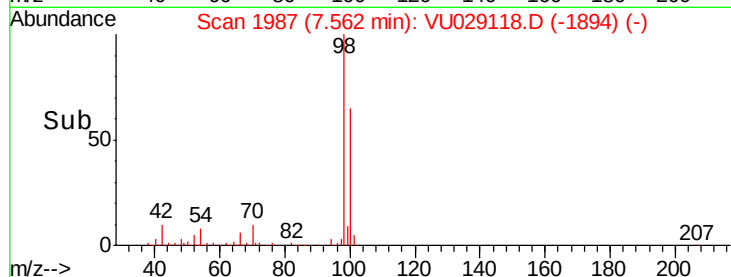
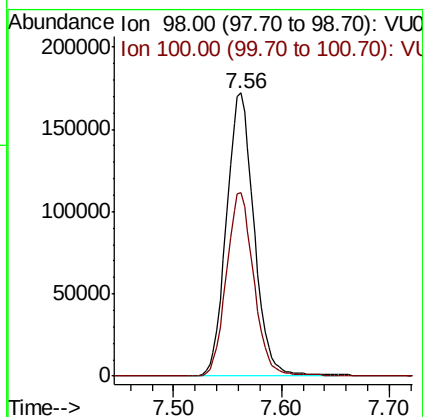
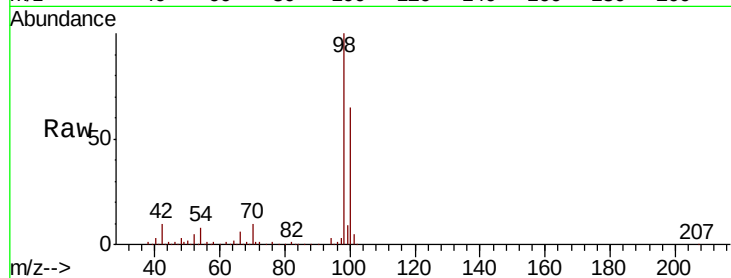




#50
Toluene-d8
Concen: 49.304 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029118.D
Acq: 10 Jan 2019 15:04

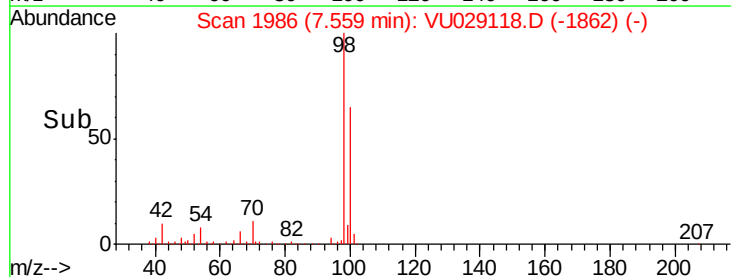
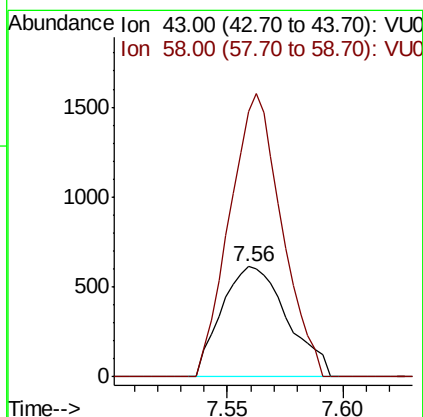
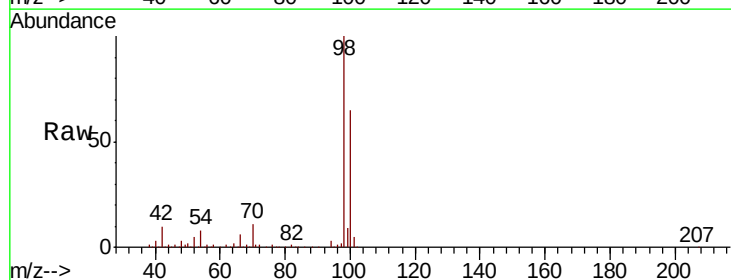
Instrument :
MSVOA_U
ClientSampleId :
S32-IDW22

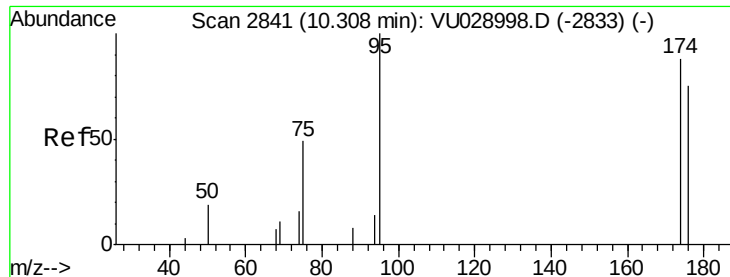
Tgt Ion: 98 Resp: 307009
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 0.433 ug/l
RT: 7.56 min Scan# 1986
Delta R.T. 0.10 min
Lab File: VU029118.D
Acq: 10 Jan 2019 15:04

Tgt Ion: 43 Resp: 1208
Ion Ratio Lower Upper
43 100
58 203.0 33.9 50.9#

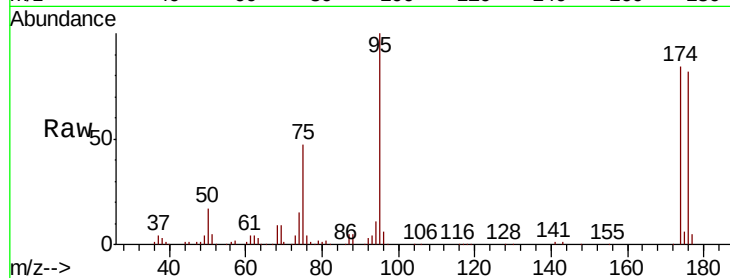




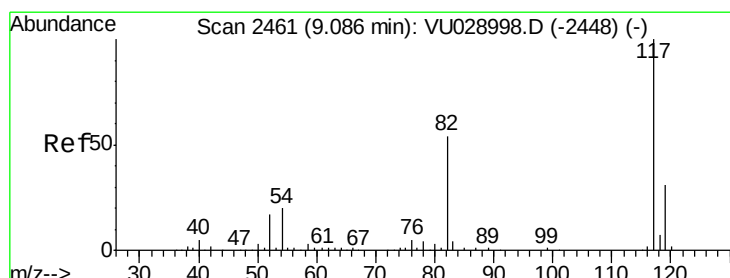
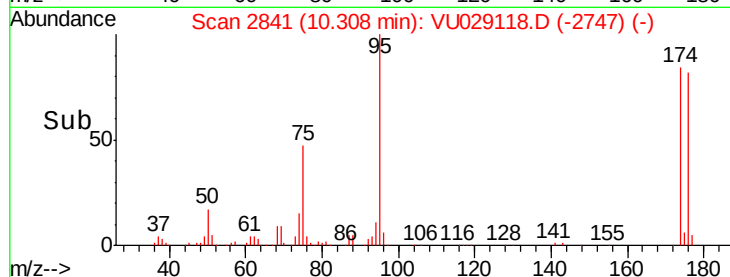
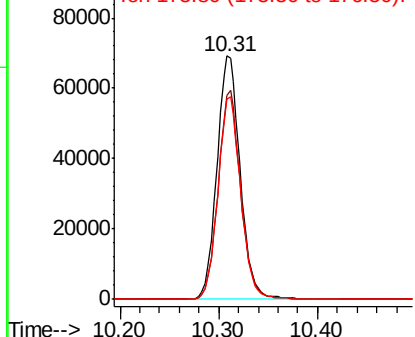
#62
4-Bromofluorobenzene
Concen: 50.999 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU029118.D
Acq: 10 Jan 2019 15:04

Instrument :
MSVOA_U
ClientSampleId :
S32-IDW22

Tgt Ion: 95 Resp: 114127
Ion Ratio Lower Upper
95 100
174 83.4 0.0 170.6
176 81.9 0.0 165.0

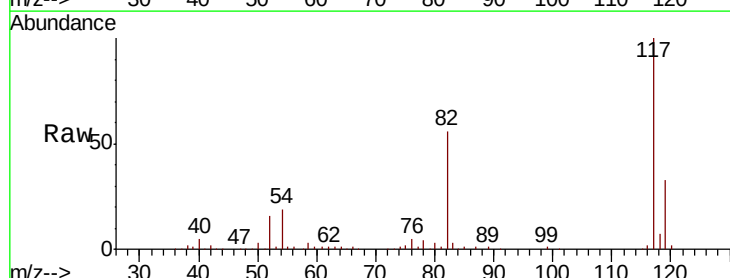


Abundance Ion 94.90 (94.60 to 95.60): VU0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

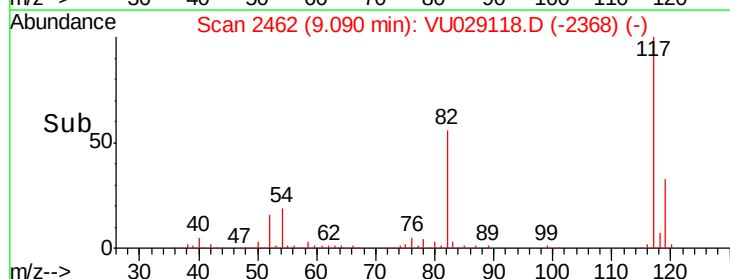
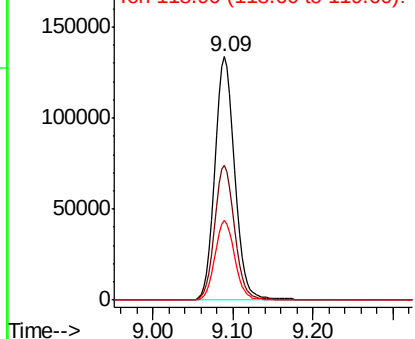


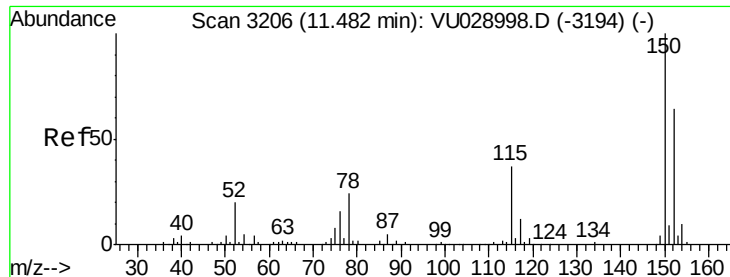
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU029118.D
Acq: 10 Jan 2019 15:04

Tgt Ion: 117 Resp: 232725
Ion Ratio Lower Upper
117 100
82 55.5 43.9 65.9
119 32.6 26.0 39.0



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



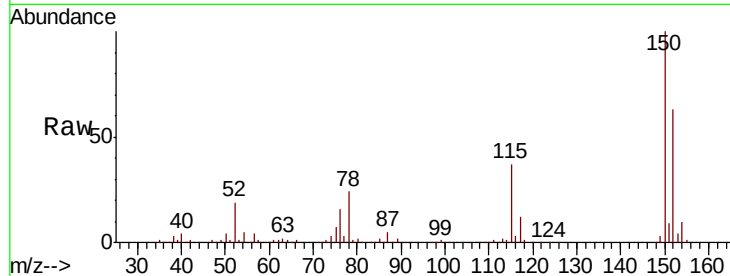


#72

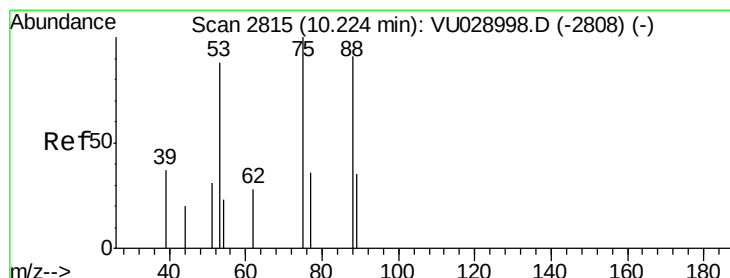
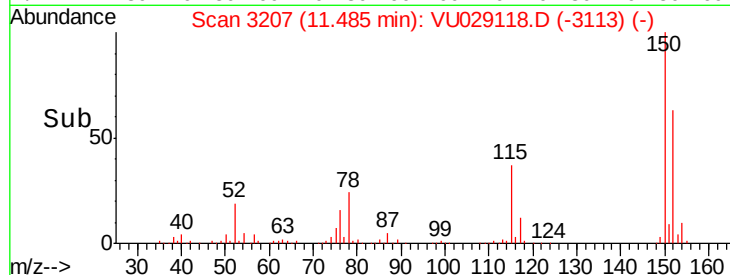
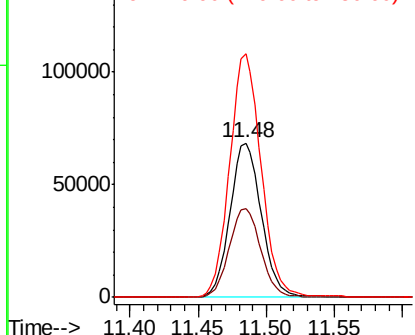
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU029118.D
Acq: 10 Jan 2019 15:04

Instrument :
MSVOA_U
ClientSampleId :
S32-IDW22

Tgt Ion:152 Resp: 109621
Ion Ratio Lower Upper
152 100
115 58.1 40.1 120.3
150 158.1 0.0 345.2



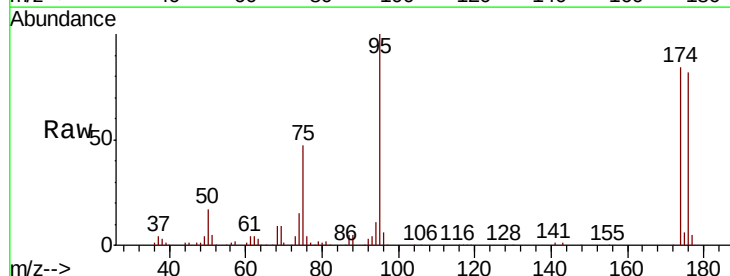
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



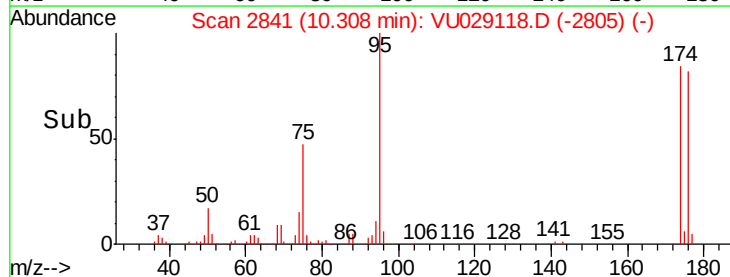
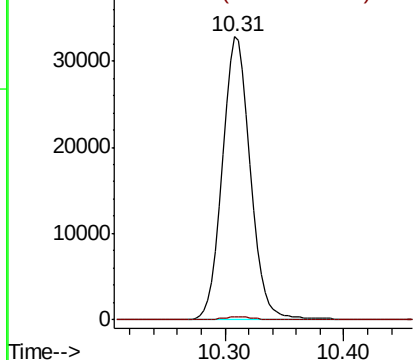
#76

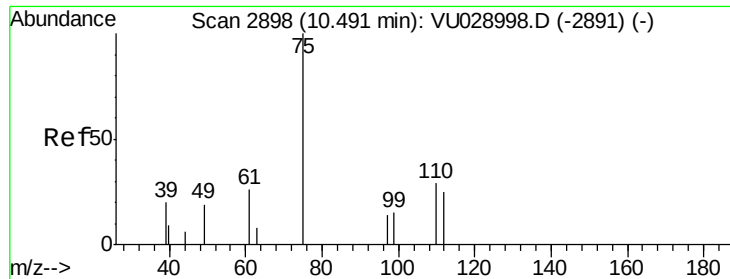
1,2,3-Trichloropropane
Concen: 19.887 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.18 min
Lab File: VU029118.D
Acq: 10 Jan 2019 15:04

Tgt Ion: 75 Resp: 53414
Ion Ratio Lower Upper
75 100
77 1.2 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 51.289 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU029118.D

Acq: 10 Jan 2019 15:04

Instrument :

MSVOA_U

ClientSampleId :

S32-IDW22

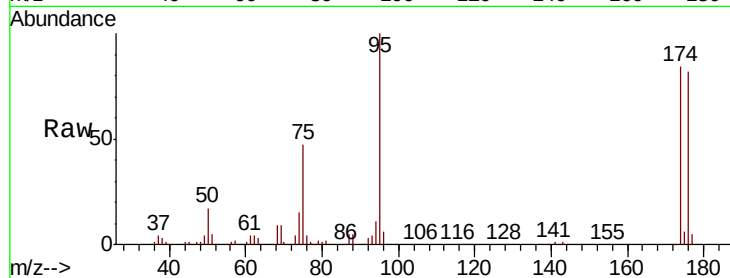
Tgt Ion: 75 Resp: 53414

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

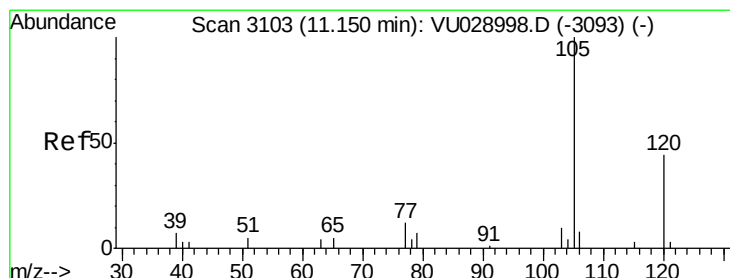
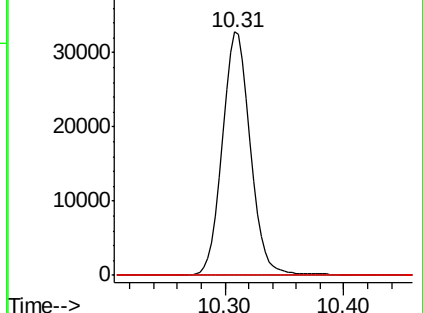
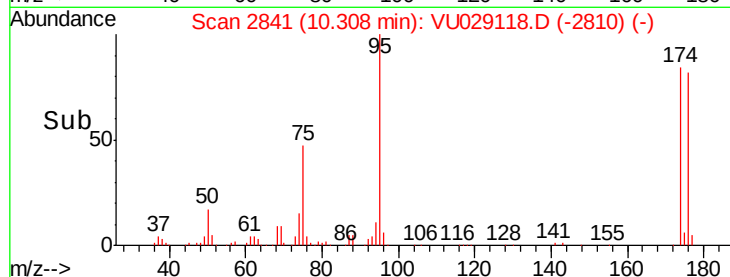
89 0.0 0.0 0.0



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



#84

1,2,4-Trimethylbenzene

Concen: 0.269 ug/l

RT: 11.15 min Scan# 3104

Delta R.T. 0.01 min

Lab File: VU029118.D

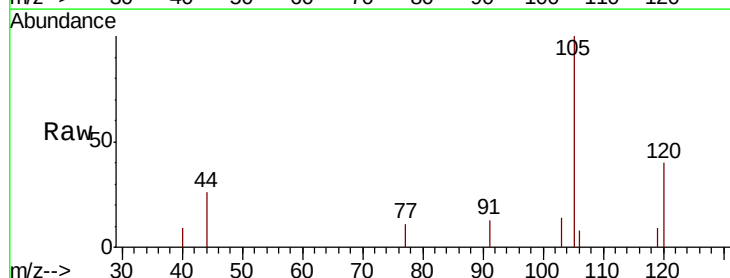
Acq: 10 Jan 2019 15:04

Tgt Ion: 105 Resp: 1819

Ion Ratio Lower Upper

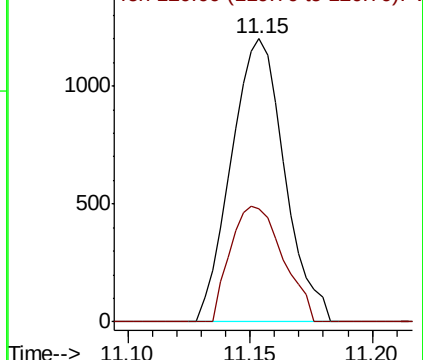
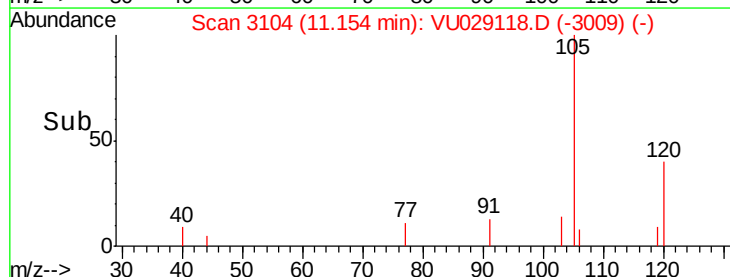
105 100

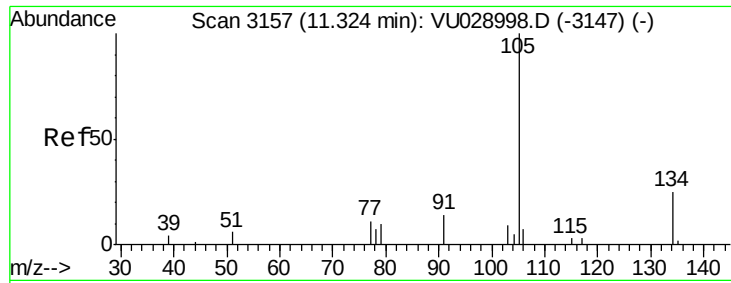
120 40.2 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85
 sec-Butylbenzene
 Concen: 0.225 ug/l
 RT: 11.15 min Scan# 3104
 Delta R.T. -0.17 min
 Lab File: VU029118.D
 Acq: 10 Jan 2019 15:04

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-IDW22

Tgt Ion:105 Resp: 1819
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.7 29.1#

