

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027145.D
 Acq On : 25 Sep 2018 23:00
 Operator : MD/SY
 Sample : J4969-19
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FT-PZ458I-20180917

Quant Time: Sep 26 06:02:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	91961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	156609	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	149394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	69870	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	97240	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
35) Dibromofluoromethane	4.89	113	66999	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
50) Toluene-d8	7.57	98	250250	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	
62) 4-Bromofluorobenzene	10.31	95	81183	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	

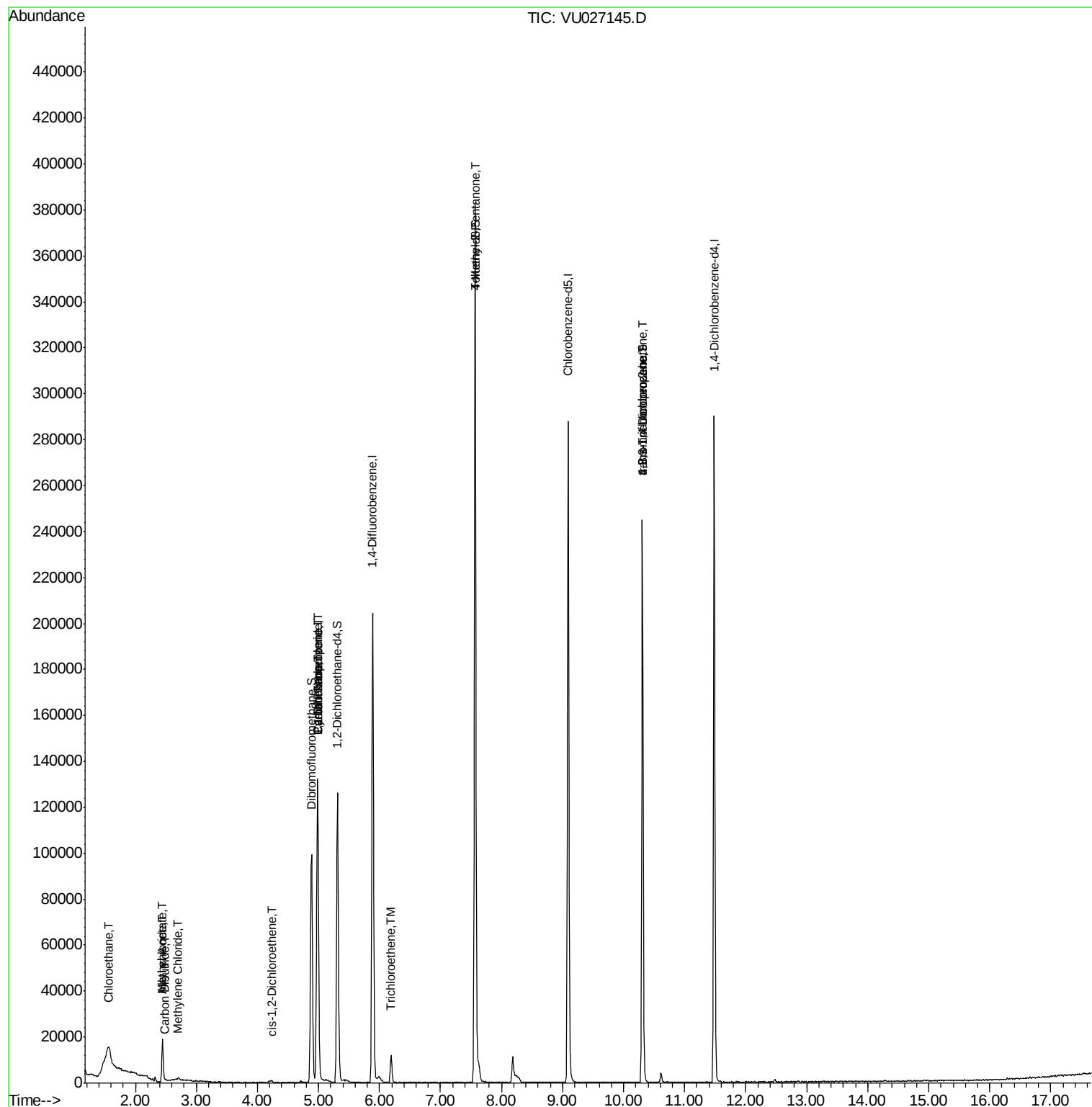
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.56	64	60399	48.920	ug/l #	53
14) Allyl chloride	2.45	41	1877	0.729	ug/l #	73
16) Acetone	2.32	43	1955	Below Cal		99
17) Carbon Disulfide	2.49	76	1470	0.355	ug/l #	75
18) Methyl Acetate	2.44	43	4806	1.824	ug/l #	55
20) Methylene Chloride	2.71	84	412	0.249	ug/l #	73
27) cis-1,2-Dichloroethene	4.23	96	364	0.238	ug/l	81
31) Cyclohexane	4.99	56	2483	0.329	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	8966	4.290	ug/l #	49
38) Carbon Tetrachloride	4.98	117	9728	4.891	ug/l #	19
44) Trichloroethene	6.19	130	3874	2.864	ug/l	91
51) 4-Methyl-2-Pentanone	7.57	43	1156	0.417	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	44236	20.840	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	44236	66.692	ug/l #	100

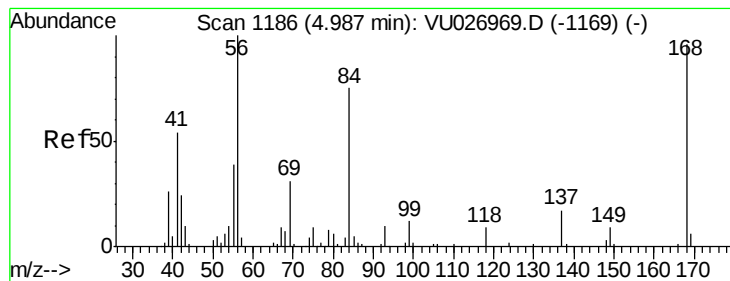
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027145.D

Acq: 25 Sep 2018 23:00

Instrument :

MSVOA_U

ClientSampleId :

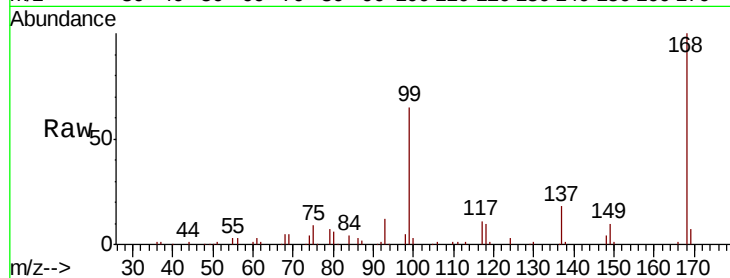
FT-PZ458I-20180917

Tot Ion:168 Resp: 91961

Ion Ratio Lower Upper

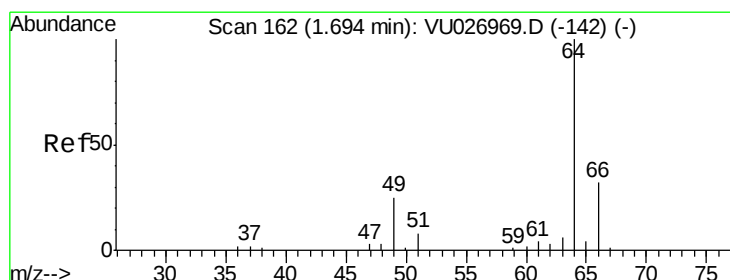
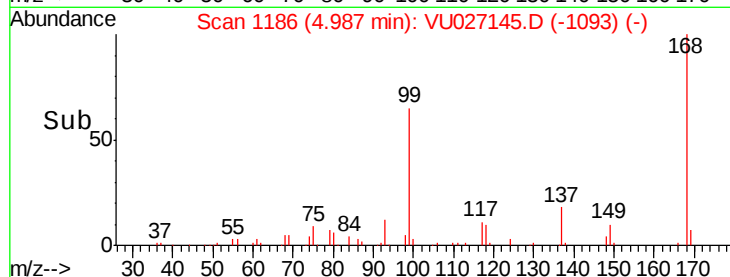
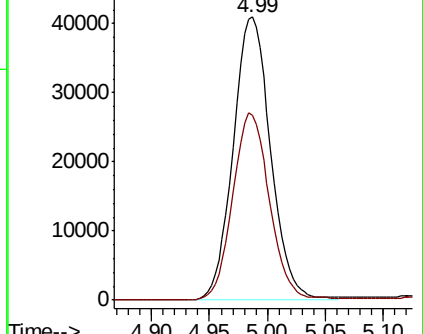
168 100

99 65.3 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)



#6

Chloroethane

Concen: 48.920 ug/l

RT: 1.56 min Scan# 121

Delta R.T. -0.13 min

Lab File: VU027145.D

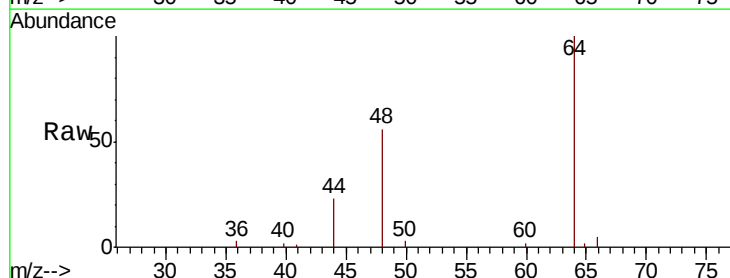
Acq: 25 Sep 2018 23:00

Tgt Ion: 64 Resp: 60399

Ion Ratio Lower Upper

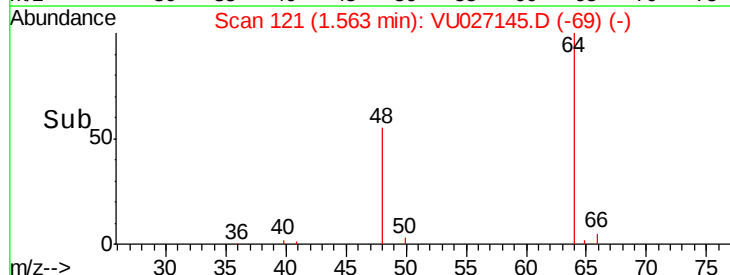
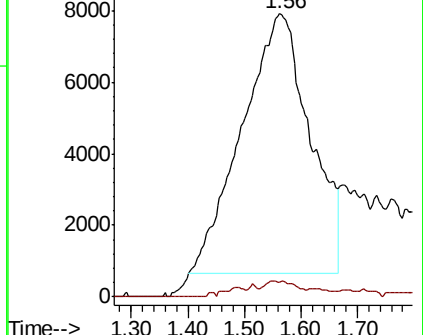
64 100

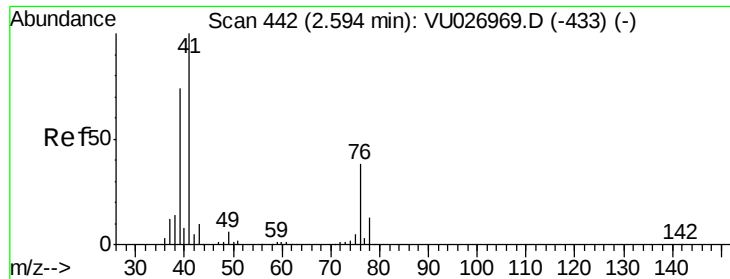
66 5.7 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VU026969.D (-142) (-)

Ion 65.90 (65.60 to 66.60): VU026969.D (-142) (-)

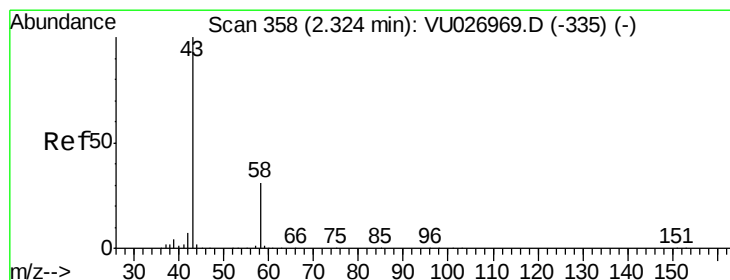
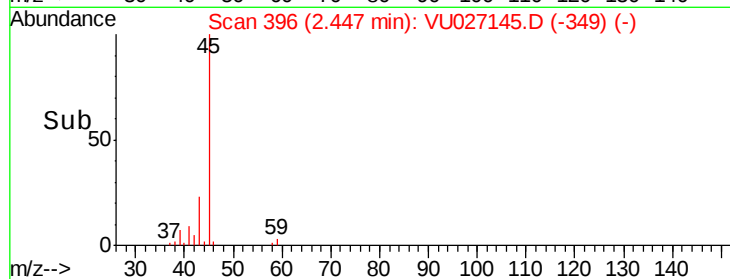
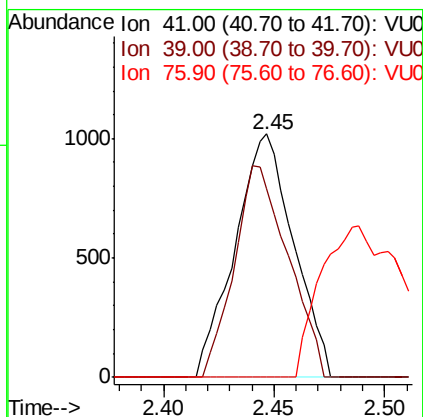
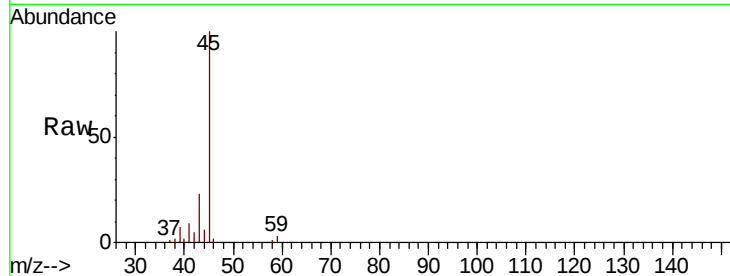




#14
Allvl chloride
Concen: 0.729 ug/l
RT: 2.45 min Scan# 396
Delta R.T. -0.15 min
Lab File: VU027145.D
Acq: 25 Sep 2018 23:00

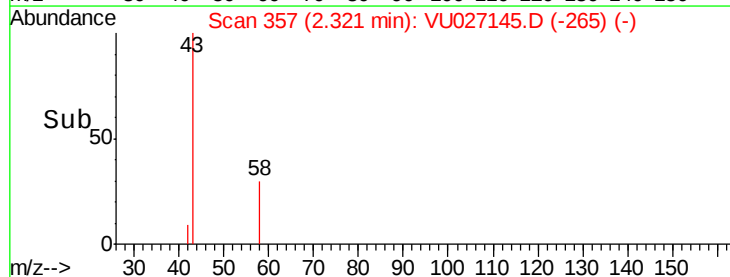
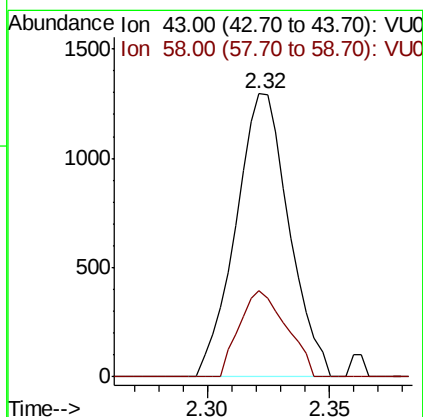
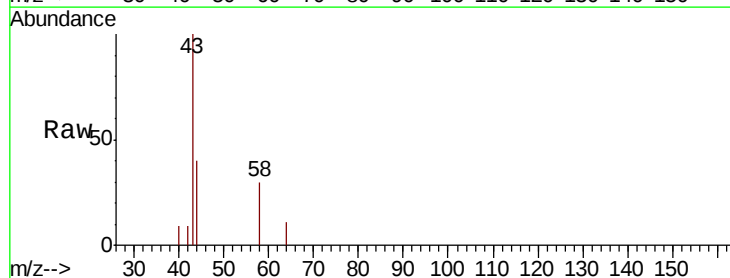
Instrument :
MSVOA_U
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FT-PZ458I-20180917

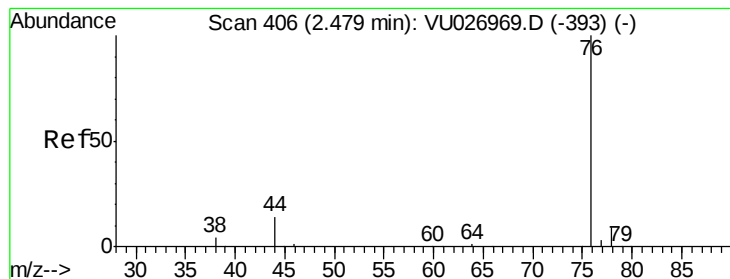
Tot Ion: 41 Resp: 1877
Ion Ratio Lower Upper
41 100
39 79.8 55.7 83.5
76 0.0 26.5 39.7#



#16
Acetone
Concen: Below Cal
RT: 2.32 min Scan# 357
Delta R.T. -0.00 min
Lab File: VU027145.D
Acq: 25 Sep 2018 23:00

Tgt Ion: 43 Resp: 1955
Ion Ratio Lower Upper
43 100
58 30.3 24.6 36.8





#17

Carbon Disulfide

Concen: 0.355 ug/l

RT: 2.49 min Scan# 409

Delta R.T. 0.01 min

Lab File: VU027145.D

Acq: 25 Sep 2018 23:00

Instrument :

MSVOA_U

ClientSampleId :

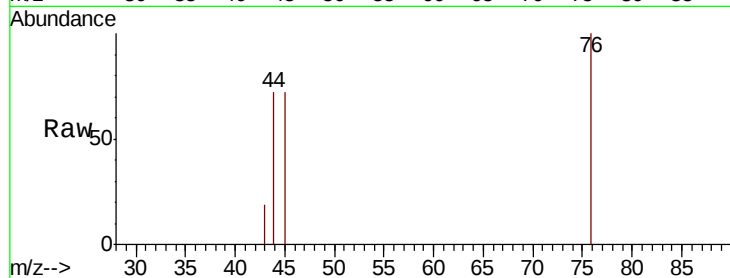
FT-PZ458I-20180917

Tot Ion: 76 Resp: 1470

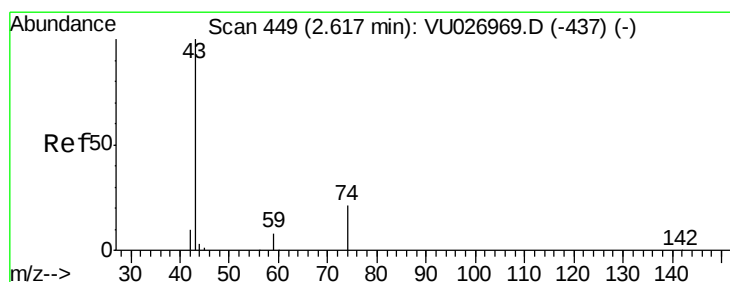
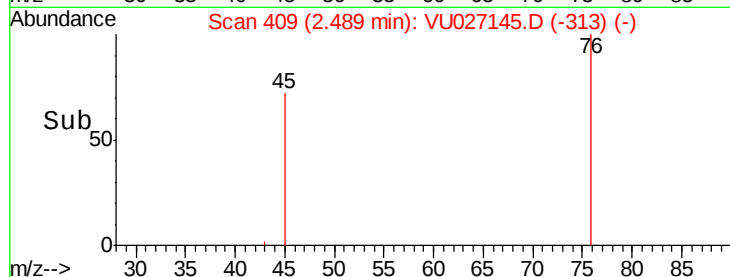
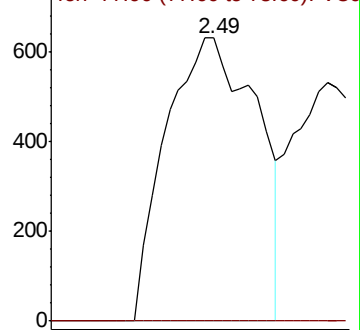
Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VU027145.D (-313) (-)



#18

Methyl Acetate

Concen: 1.824 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.17 min

Lab File: VU027145.D

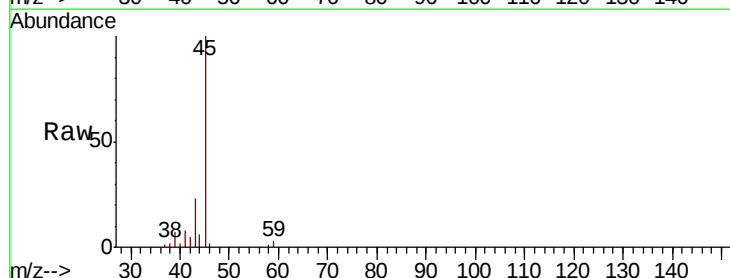
Acq: 25 Sep 2018 23:00

Tgt Ion: 43 Resp: 4806

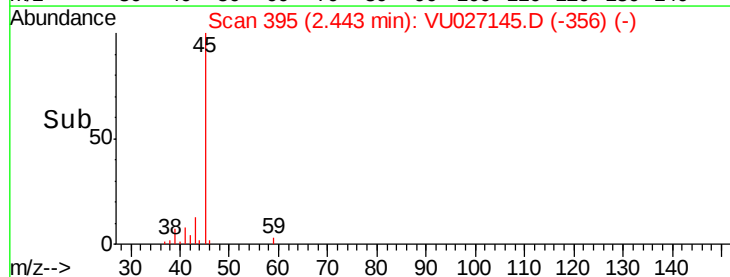
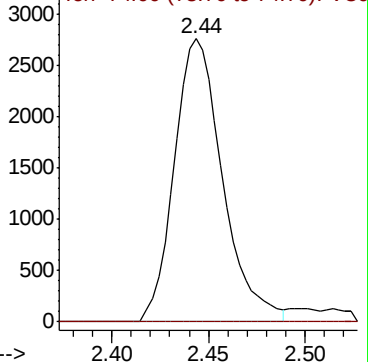
Ion Ratio Lower Upper

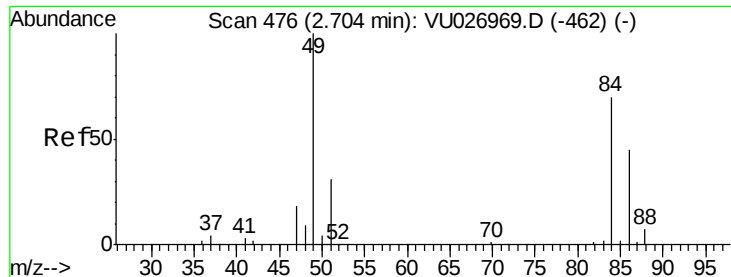
43 100

74 0.0 16.6 25.0#



Abundance Ion 43.00 (42.70 to 43.70): VU027145.D (-356) (-)





#20

Methvlene Chloride

Concen: 0.249 ug/l

RT: 2.71 min Scan# 477

Delta R.T. 0.00 min

Lab File: VU027145.D

Acq: 25 Sep 2018 23:00

Instrument :

MSVOA_U

ClientSampleId :

FT-PZ458I-20180917

Tot Ion: 84 Resp: 412

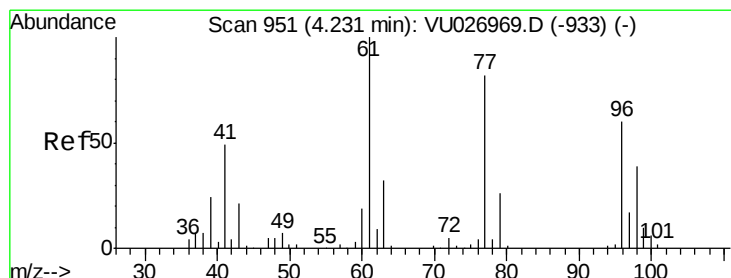
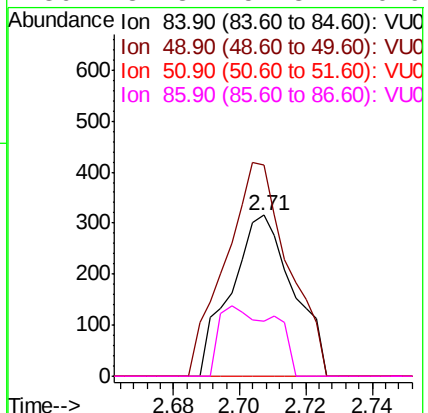
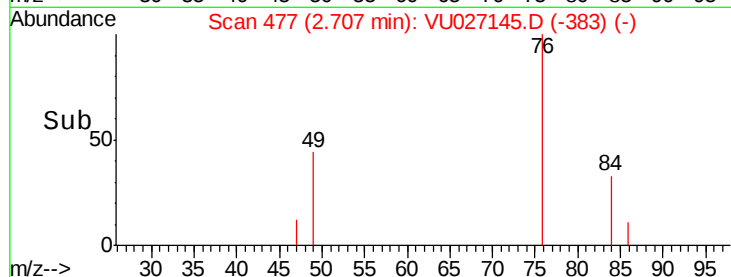
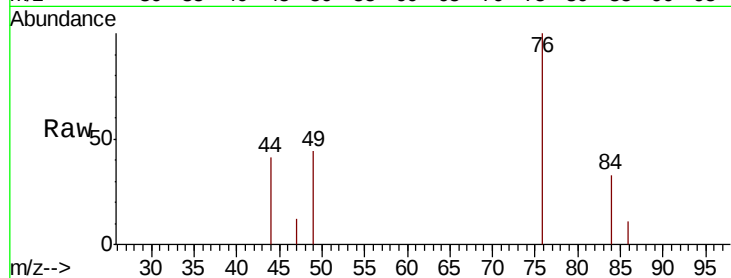
Ion Ratio Lower Upper

84 100

49 131.7 114.9 172.3

51 0.0 35.8 53.8#

86 34.3 51.3 76.9#



#27

cis-1,2-Dichloroethene

Concen: 0.238 ug/l

RT: 4.23 min Scan# 952

Delta R.T. 0.00 min

Lab File: VU027145.D

Acq: 25 Sep 2018 23:00

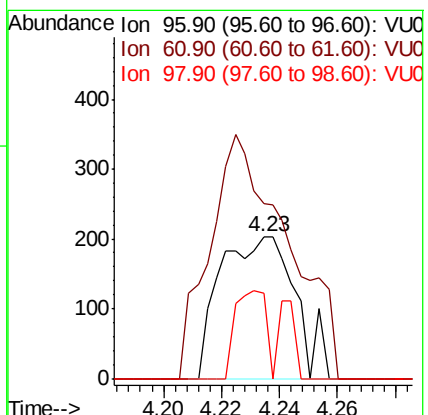
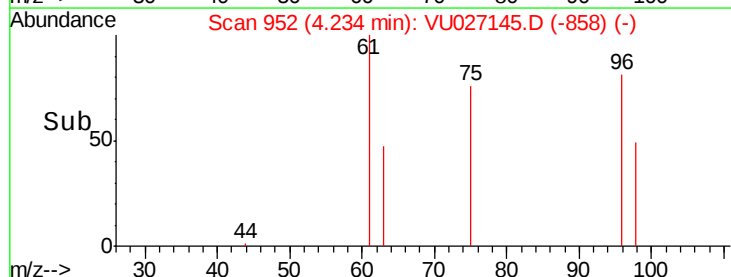
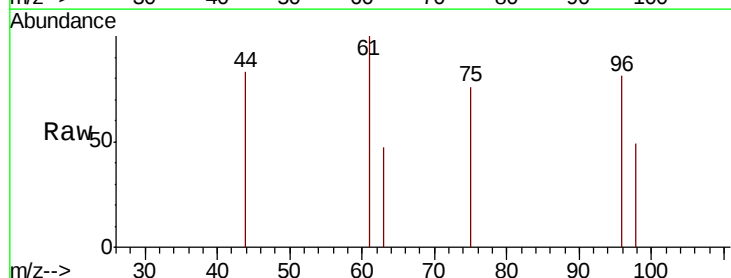
Tgt Ion: 96 Resp: 364

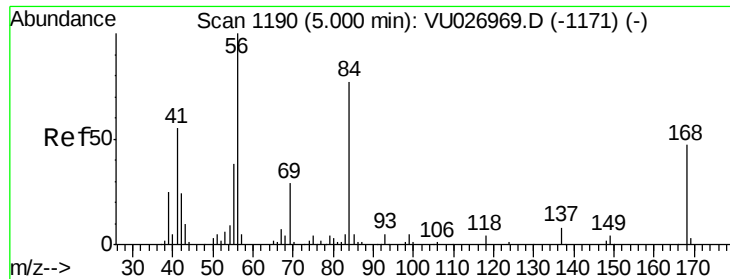
Ion Ratio Lower Upper

96 100

61 178.0 0.0 337.2

98 25.0 0.0 127.6

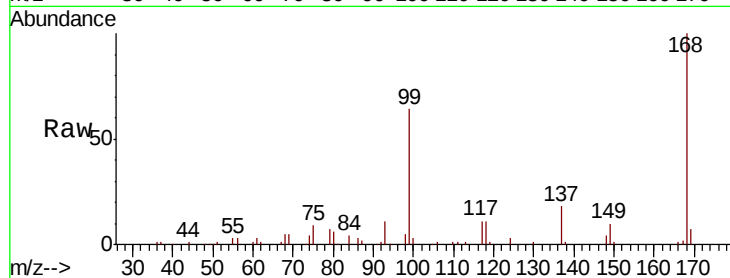




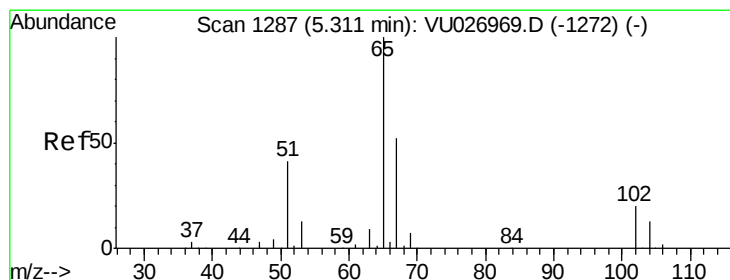
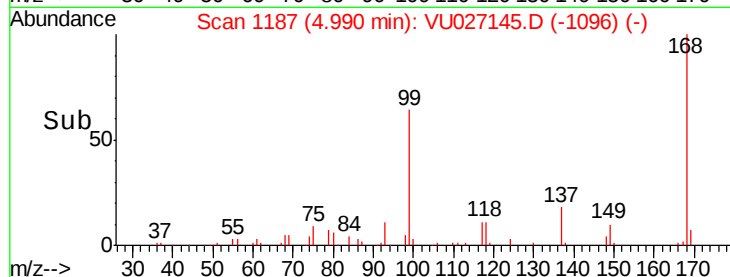
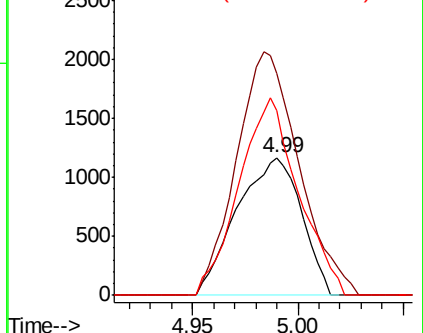
#31
Cyclohexane
Concen: 0.329 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. -0.01 min
Lab File: VU027145.D
Acq: 25 Sep 2018 23:00

Instrument :
MSVOA_U
ClientSampleId :
FT-PZ458I-20180917

Tot Ion: 56 Resp: 2483
Ion Ratio Lower Upper
56 100
69 160.6 23.0 34.4#
84 133.8 61.4 92.2#

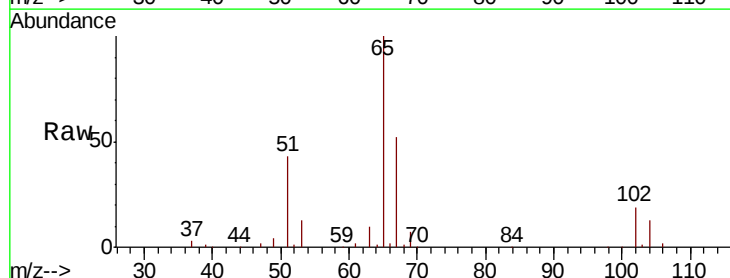


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

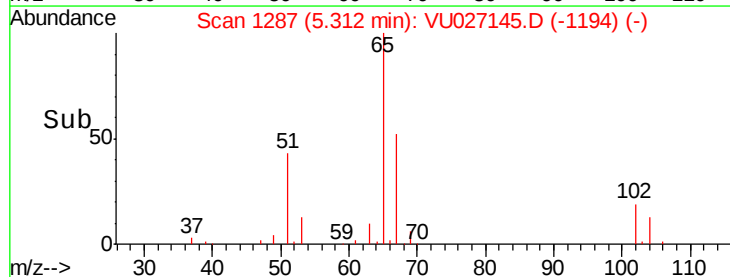
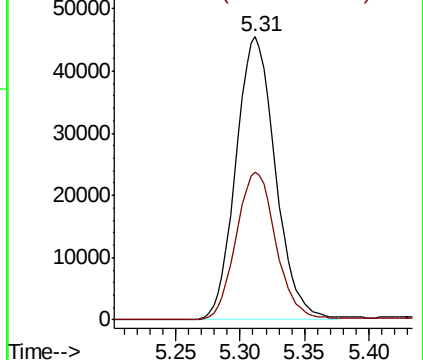


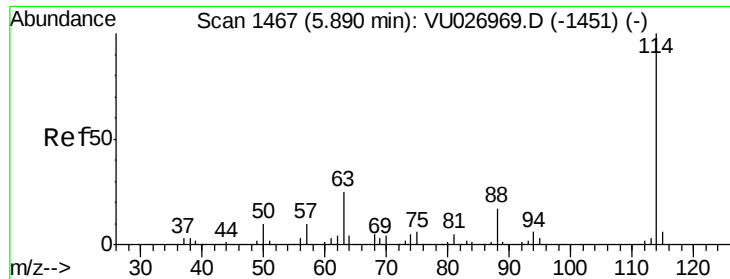
#33
1,2-Dichloroethane-d4
Concen: 52.538 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027145.D
Acq: 25 Sep 2018 23:00

Tgt Ion: 65 Resp: 97240
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

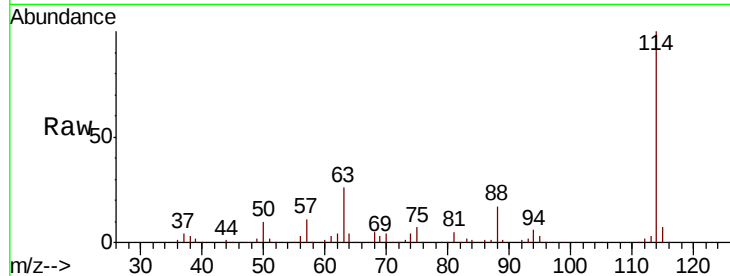




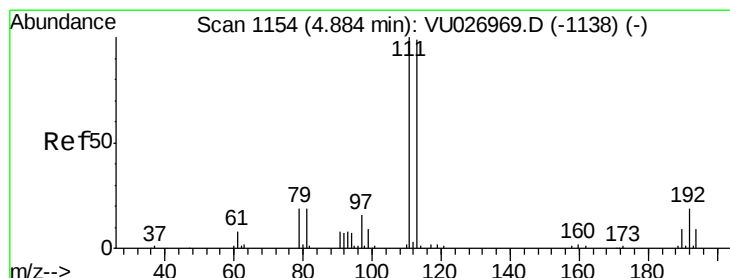
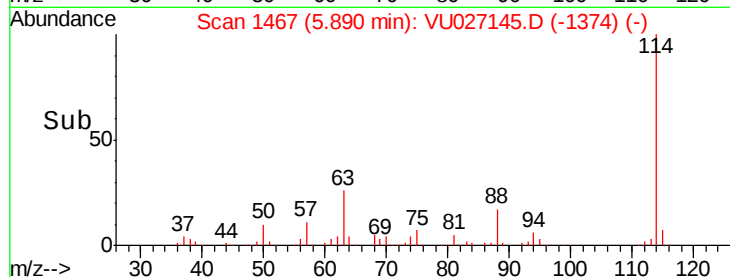
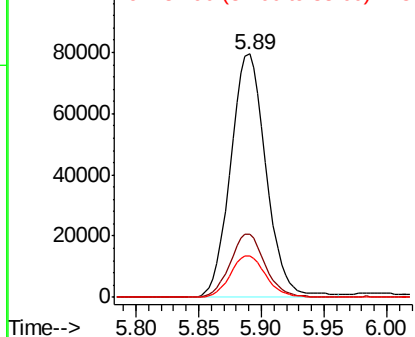
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027145.D
 Acq: 25 Sep 2018 23:00

Instrument :
 MSVOA_U
 ClientSampleId :
 FT-PZ458I-20180917

Tot Ion:114 Resp: 156609
 Ion Ratio Lower Upper
 114 100
 63 25.9 0.0 49.2
 88 17.1 0.0 33.8

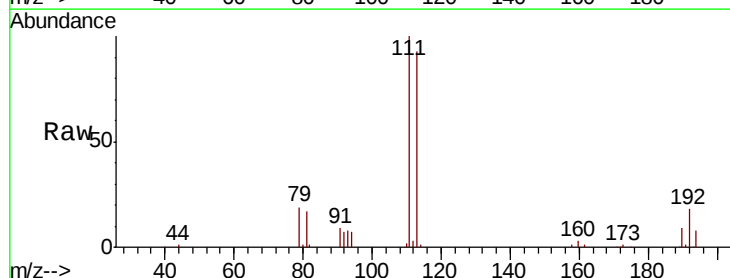


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

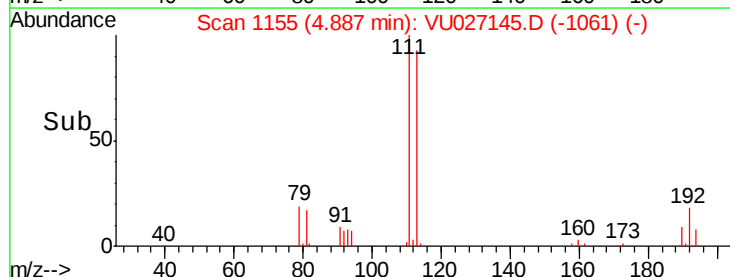
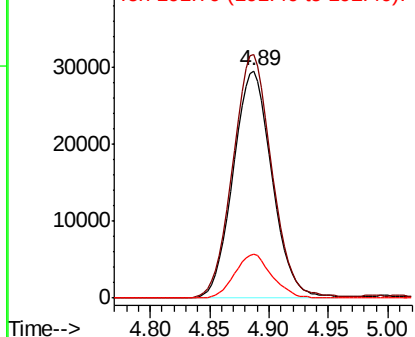


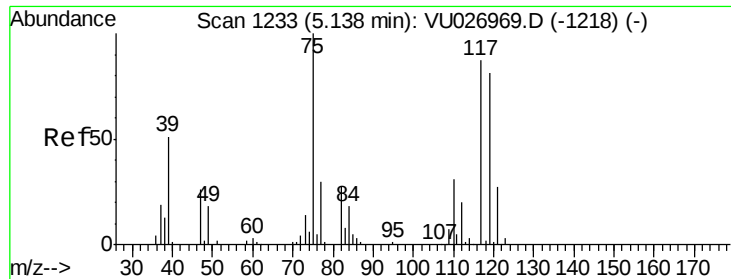
#35
 Dibromofluoromethane
 Concen: 49.355 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027145.D
 Acq: 25 Sep 2018 23:00

Tgt Ion:113 Resp: 66999
 Ion Ratio Lower Upper
 113 100
 111 107.5 82.2 123.4
 192 18.4 15.2 22.8



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

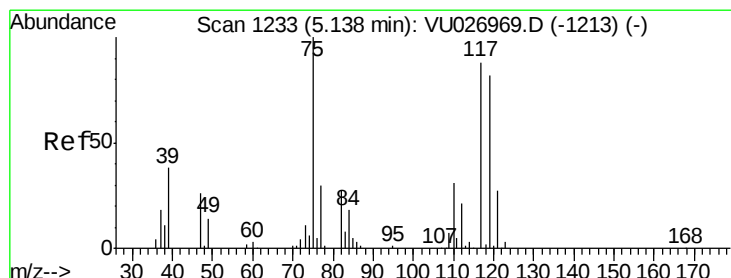
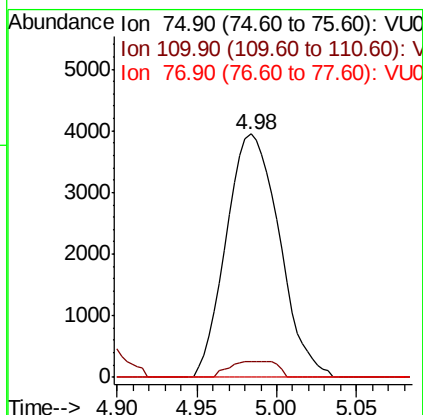
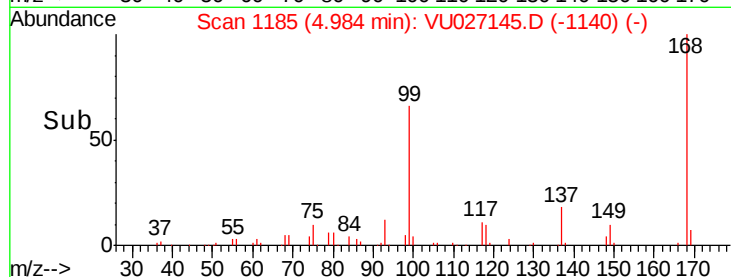
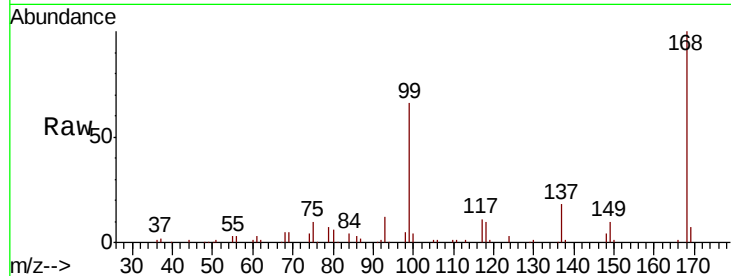




#36
 1,1-Dichloropropene
 Concen: 4.290 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027145.D
 Acq: 25 Sep 2018 23:00

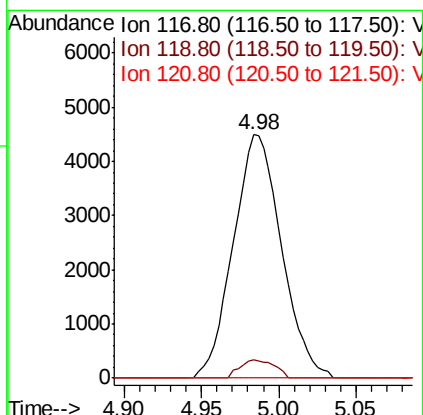
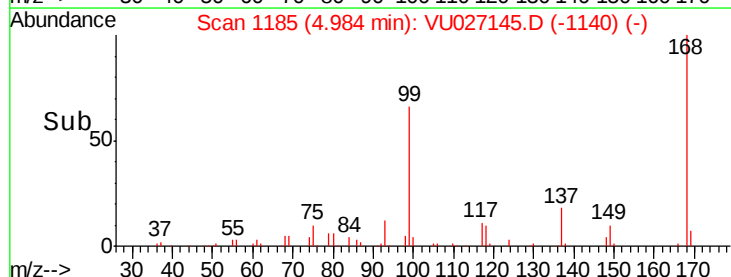
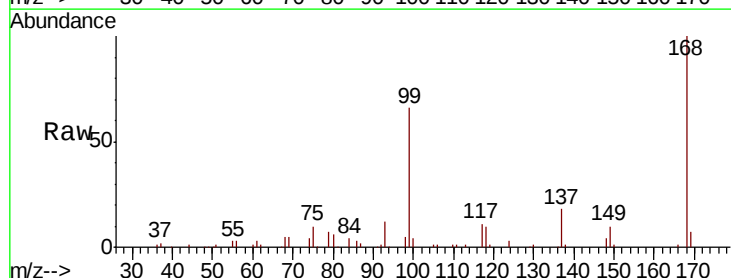
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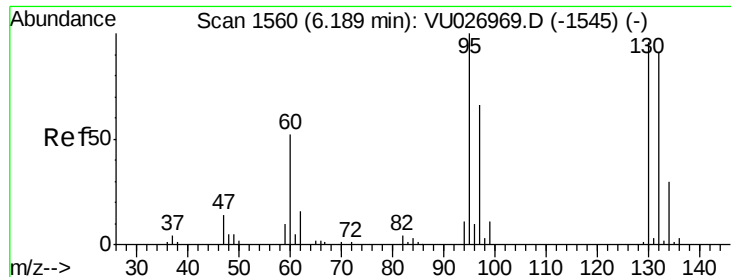
Tot Ion	Ratio	Lower	Upper
75	100		
110	5.9	16.1	48.2#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 4.891 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027145.D
 Acq: 25 Sep 2018 23:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.4	74.4	111.6#
121	0.0	24.2	36.4#





#44

Trichloroethene

Concen: 2.864 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027145.D

Acq: 25 Sep 2018 23:00

Instrument :

MSVOA_U

ClientSampleId :

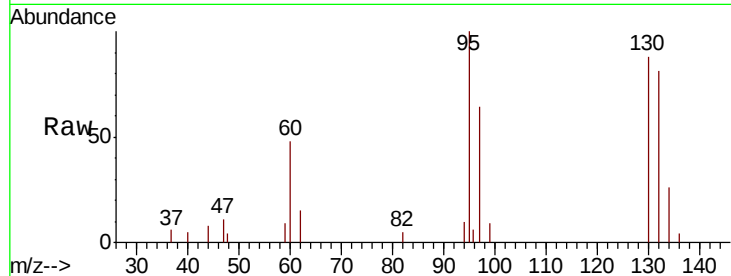
FT-PZ458I-20180917

Tot Ion:130 Resp: 3874

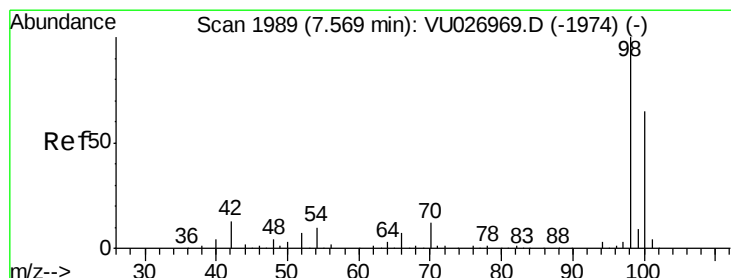
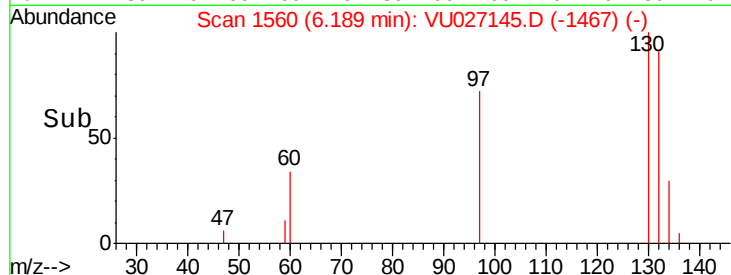
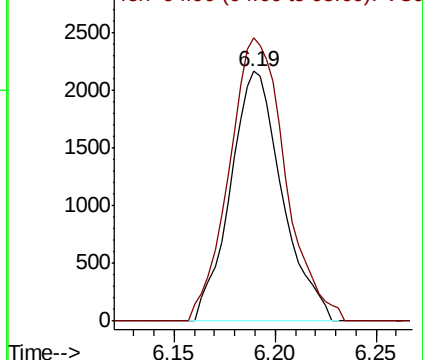
Ion Ratio Lower Upper

130 100

95 113.3 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): VU026969.D (-1545) (-)



#50

Toluene-d8

Concen: 48.372 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027145.D

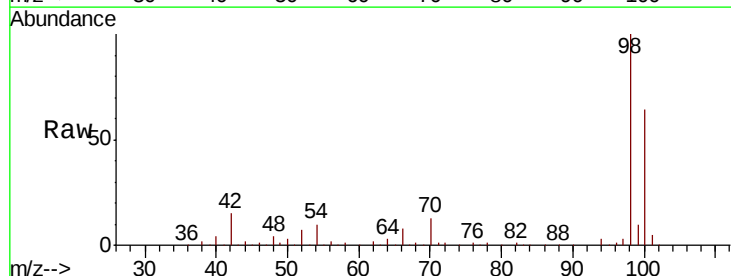
Acq: 25 Sep 2018 23:00

Tgt Ion: 98 Resp: 250250

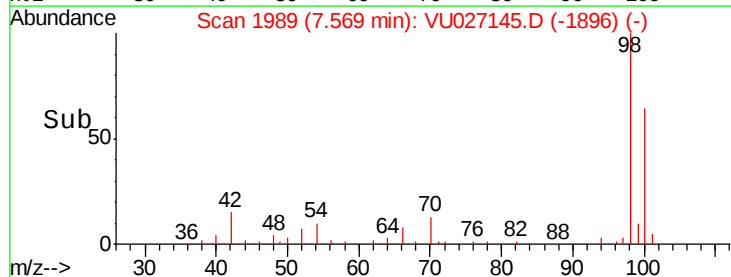
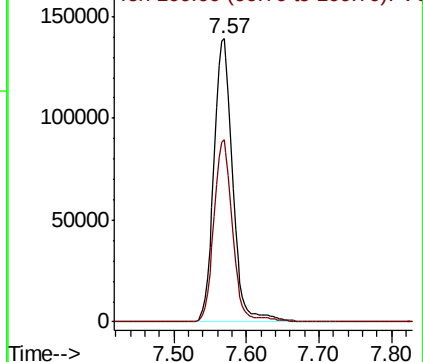
Ion Ratio Lower Upper

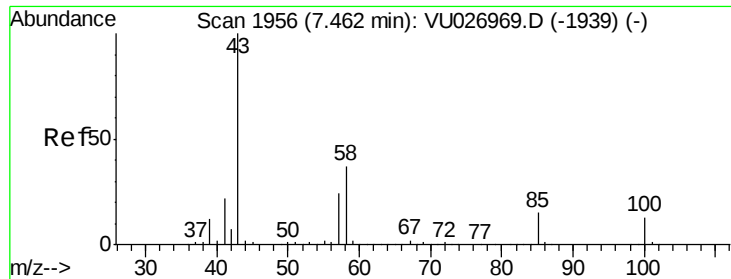
98 100

100 64.1 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU026969.D (-1974) (-)

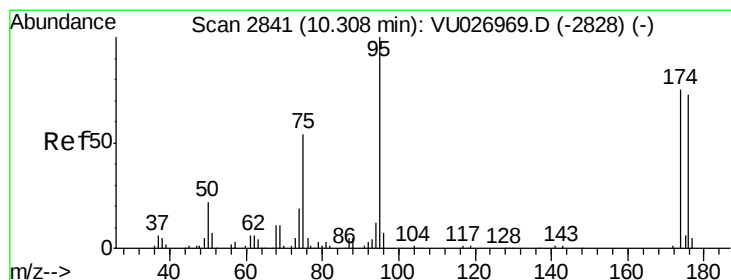
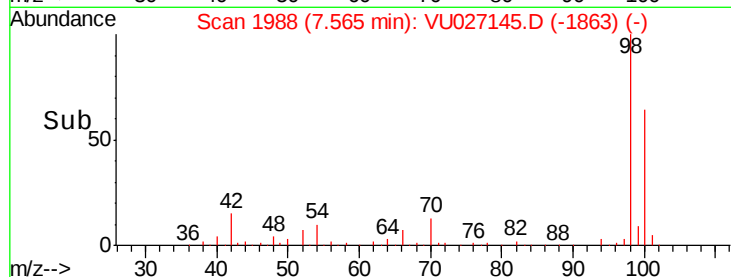
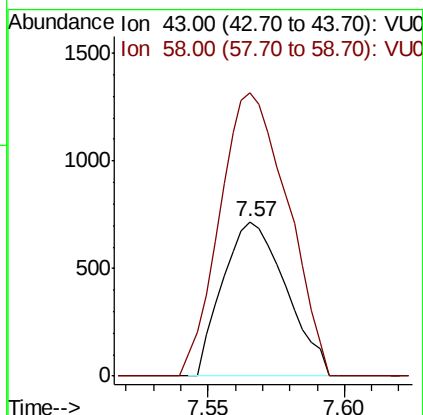
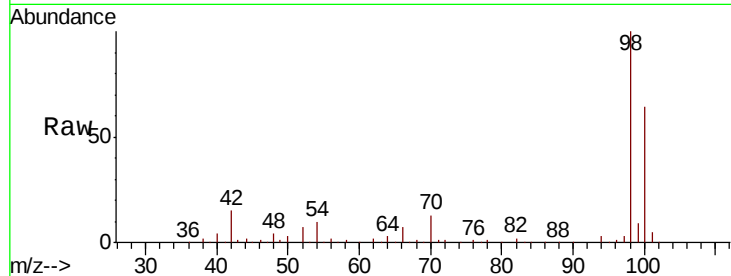




#51
 4-Methyl-2-Pentanone
 Concen: 0.417 ug/l
 RT: 7.57 min Scan# 1988
 Delta R.T. 0.10 min
 Lab File: VU027145.D
 Acq: 25 Sep 2018 23:00

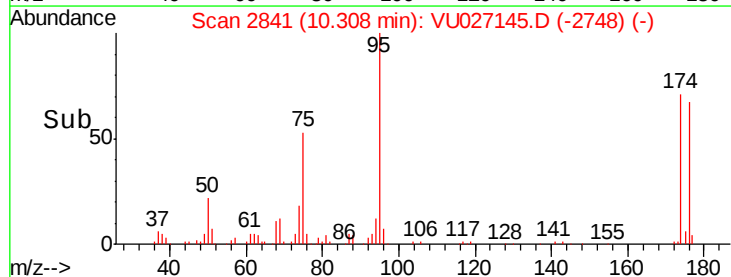
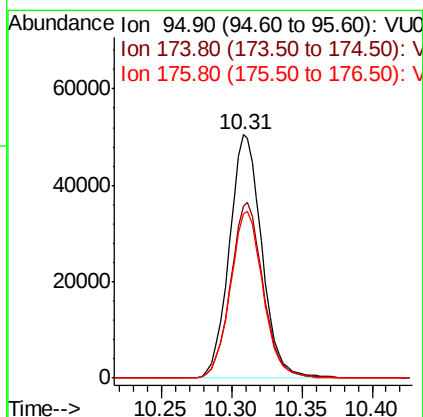
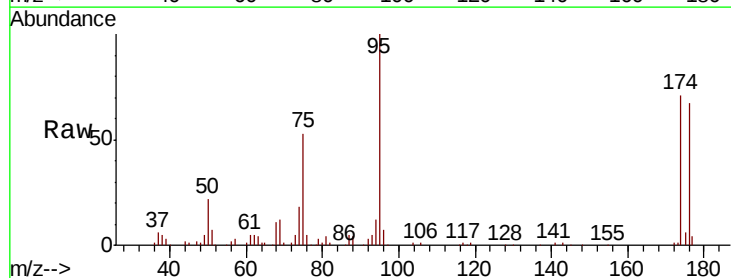
Instrument :
 MSVOA_U
 ClientSampleId :
 FT-PZ458I-20180917

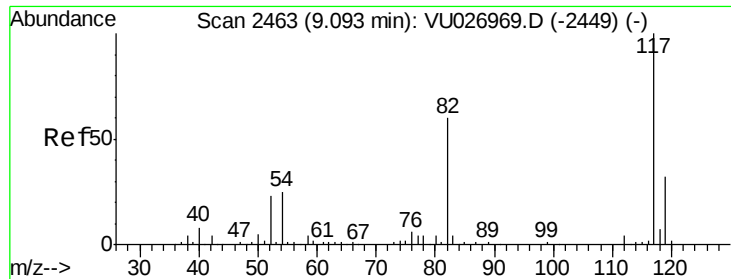
Tot Ion: 43 Resp: 1156
 Ion Ratio Lower Upper
 43 100
 58 197.5 29.8 44.6#



#62
 4-Bromofluorobenzene
 Concen: 45.732 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027145.D
 Acq: 25 Sep 2018 23:00

Tgt Ion: 95 Resp: 81183
 Ion Ratio Lower Upper
 95 100
 174 72.6 0.0 150.2
 176 69.0 0.0 145.2

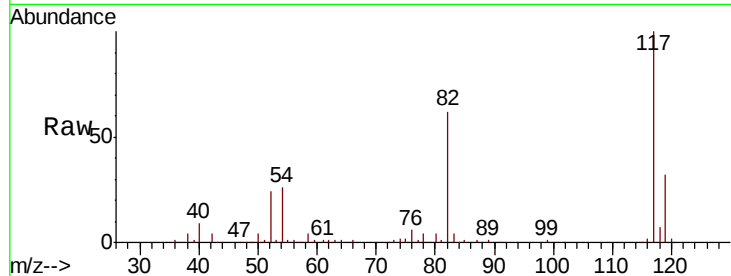




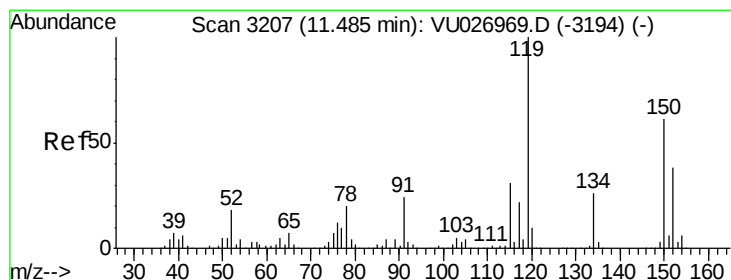
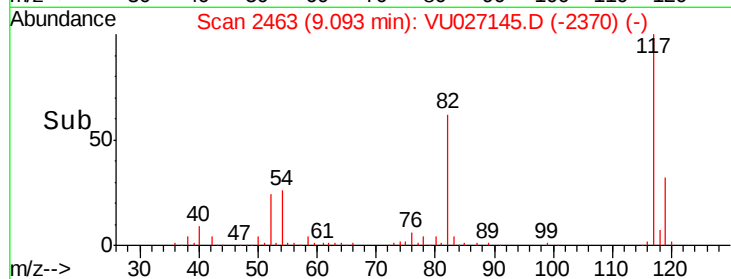
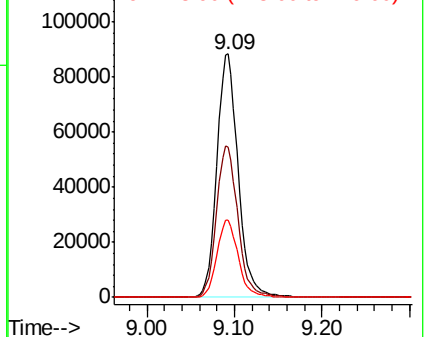
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027145.D
Acq: 25 Sep 2018 23:00

Instrument :
MSVOA_U
ClientSampleId :
FT-PZ458I-20180917

Tot Ion:117 Resp: 149394
Ion Ratio Lower Upper
117 100
82 61.9 48.0 72.0
119 31.8 25.8 38.8

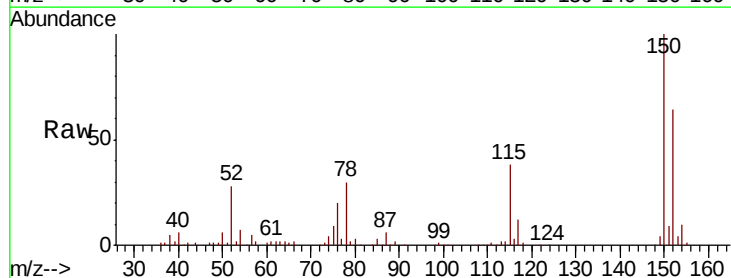


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

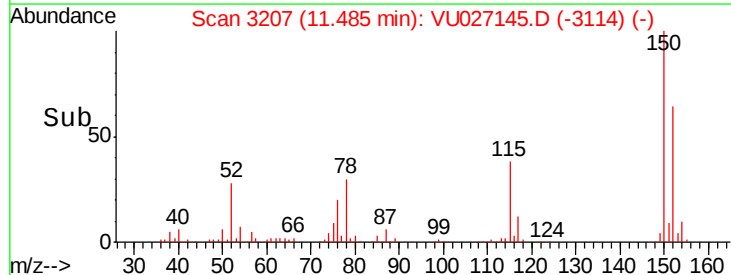
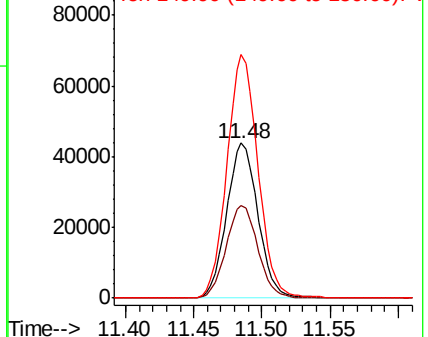


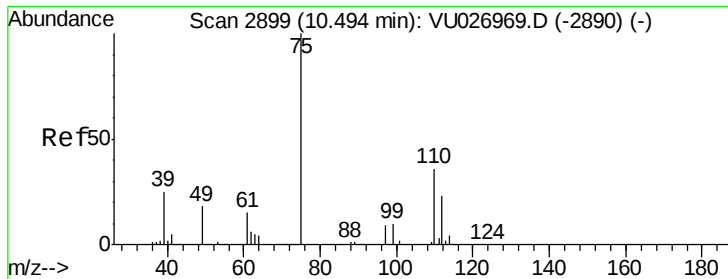
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027145.D
Acq: 25 Sep 2018 23:00

Tgt Ion:152 Resp: 69870
Ion Ratio Lower Upper
152 100
115 60.5 44.9 134.5
150 156.5 0.0 355.8



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: 20.840 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027145.D

Acq: 25 Sep 2018 23:00

Instrument :

MSVOA_U

ClientSampleId :

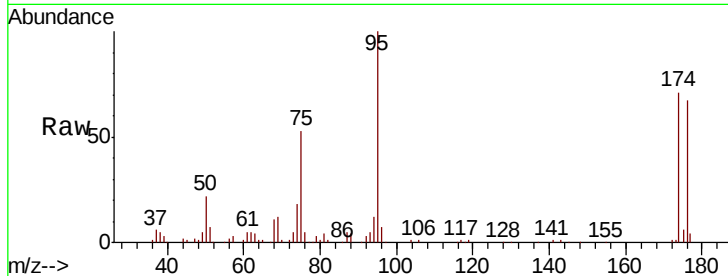
FT-PZ458I-20180917

Tot Ion: 75 Resp: 44236

Ion Ratio Lower Upper

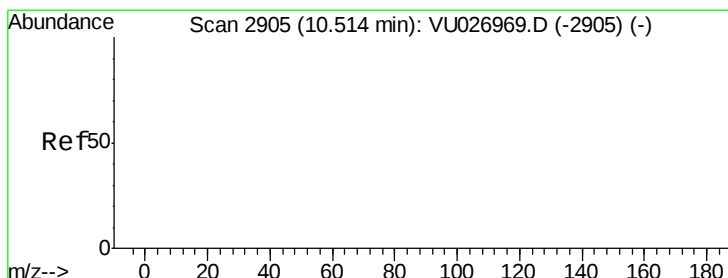
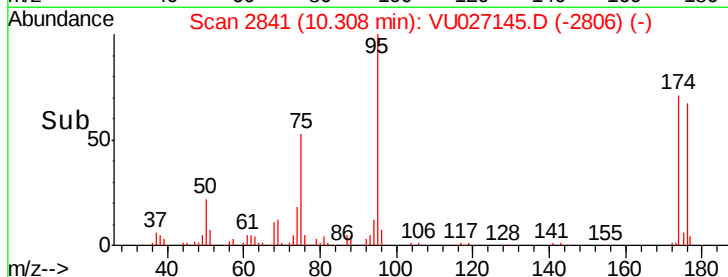
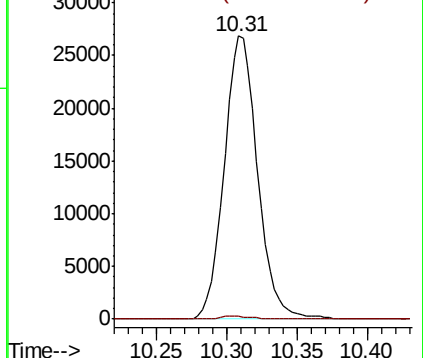
75 100

77 1.0 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: 66.692 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027145.D

Acq: 25 Sep 2018 23:00

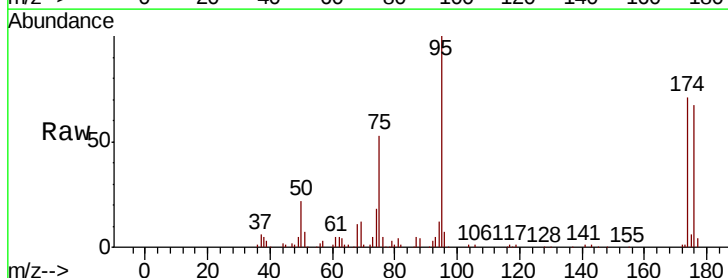
Tgt Ion: 75 Resp: 44236

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

