

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112918\
 Data File : VU028392.D
 Acq On : 29 Nov 2018 14:37
 Operator : MD/SY
 Sample : J6081-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0639

Quant Time: Nov 30 07:03:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	261716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	493796	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	472504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	223494	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	230189	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	
35) Dibromofluoromethane	4.88	113	166389	50.67	ug/l	0.00
Spiked Amount			Recovery	=	101.34%	
50) Toluene-d8	7.57	98	660439	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	10.31	95	243817	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	

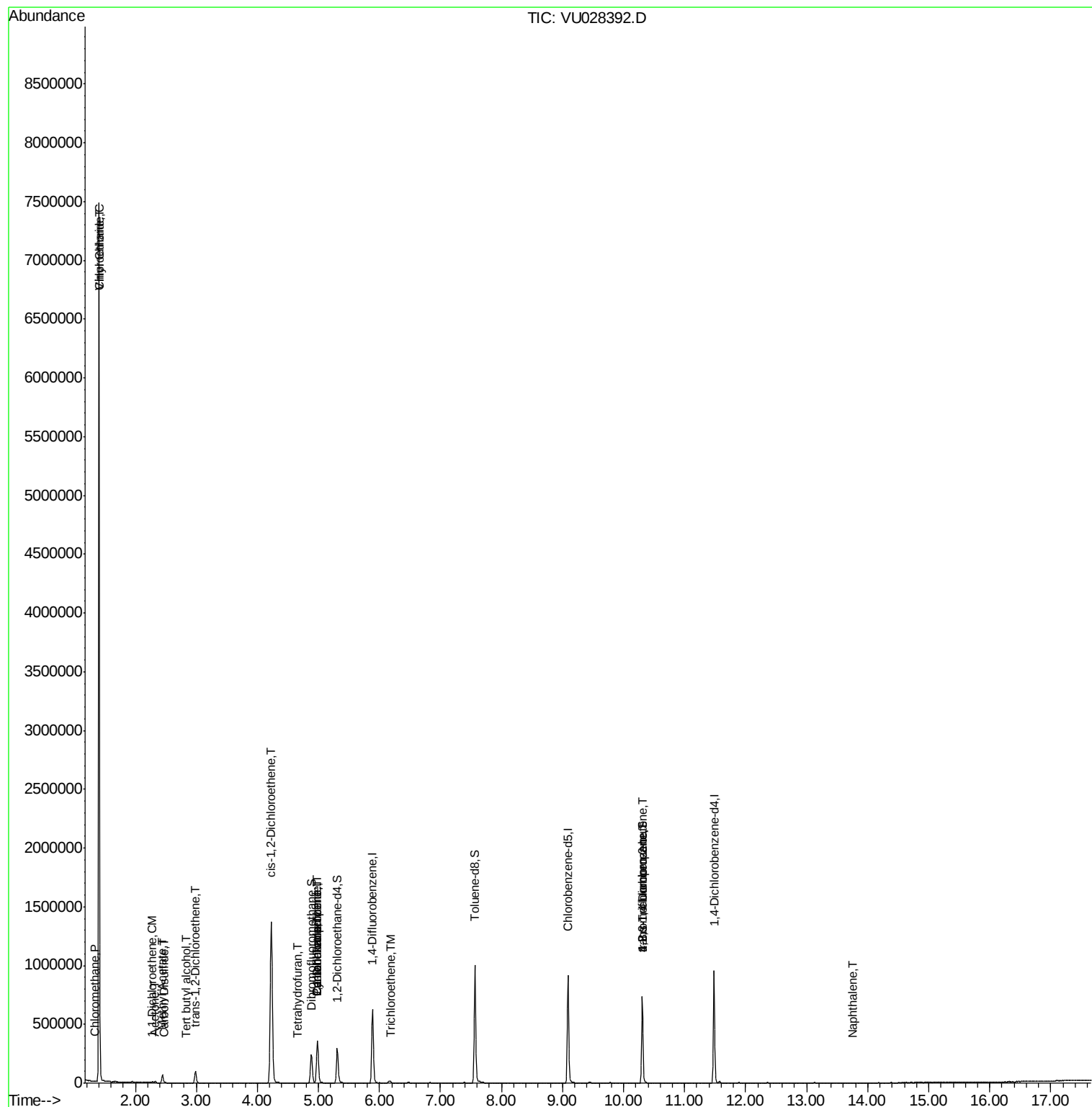
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1940	0.285	ug/l #	88
4) Vinyl Chloride	1.40	62	4555312	956.730	ug/l	99
6) Chloroethane	1.40	64	1377865	502.914	ug/l #	45
11) Tert butyl alcohol	2.83	59	2219	2.233	ug/l #	87
12) 1,1-Dichloroethene	2.29	96	2412	0.863	ug/l	88
16) Acetone	2.32	43	15802	5.906	ug/l	96
17) Carbon Disulfide	2.48	76	2250	0.210	ug/l	98
18) Methyl Acetate	2.44	43	16171	2.171	ug/l #	58
21) trans-1,2-Dichloroethene	2.99	96	36185	11.159	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	729384	190.202	ug/l	88
29) Tetrahydrofuran	4.66	42	552	0.222	ug/l #	50
31) Cyclohexane	4.98	56	6843	0.559	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	24676	4.567	ug/l #	51
38) Carbon Tetrachloride	4.98	117	26927	6.068	ug/l #	16
44) Trichloroethene	6.19	130	1107	0.323	ug/l	73
76) 1,2,3-Trichloropropane	10.30	75	130305	21.025	ug/l #	33
81) trans-1,4-Dichloro-2-buten	10.30	75	130305	55.810	ug/l #	100
95) Naphthalene	13.75	128	1346	2.903	ug/l #	73

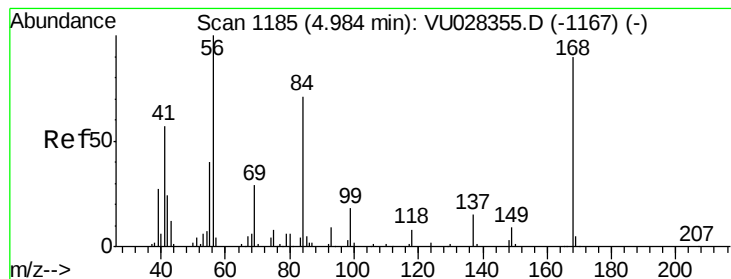
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028392.D

Acq: 29 Nov 2018 14:37

Instrument :

MSVOA_U

ClientSampleId :

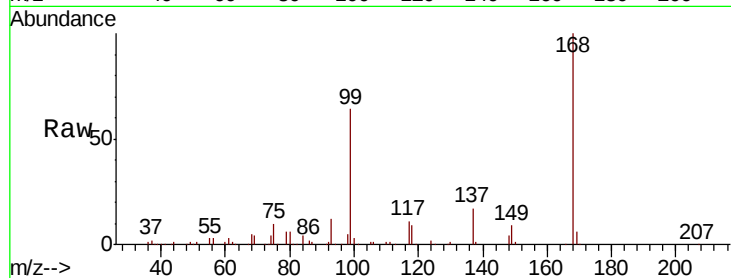
S32-0639

Tot Ion:168 Resp: 261716

Ion Ratio Lower Upper

168 100

99 63.7 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)

4.98

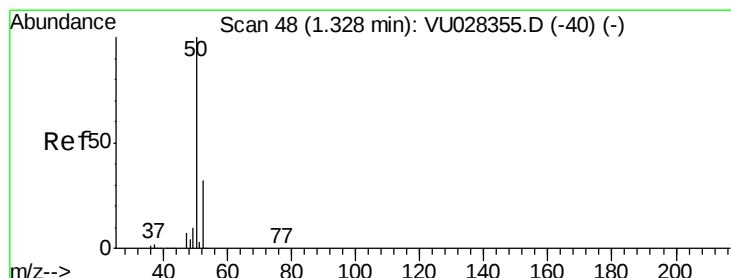
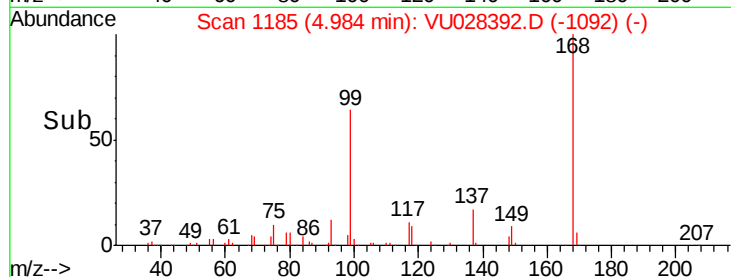
100000

50000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 0.285 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU028392.D

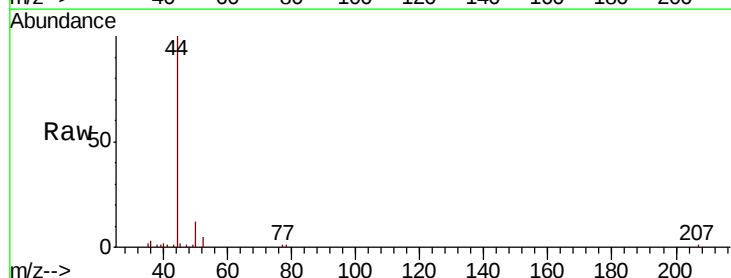
Acq: 29 Nov 2018 14:37

Tgt Ion: 50 Resp: 1940

Ion Ratio Lower Upper

50 100

52 38.4 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VU028355.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028355.D (-40) (-)

1.33

1500

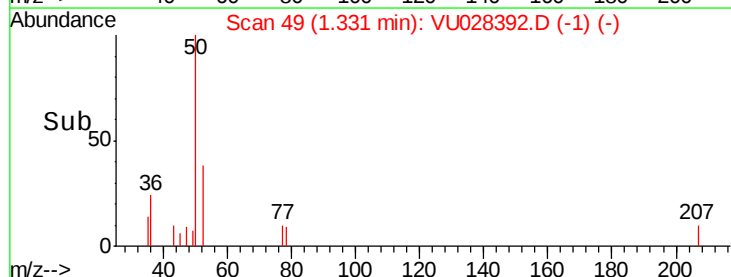
1000

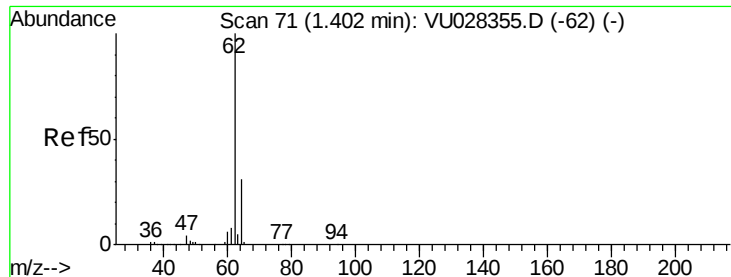
500

0

1.30 1.35

Time-->





#4

Vinyl Chloride

Concen: 956.730 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028392.D

Acq: 29 Nov 2018 14:37

Instrument :

MSVOA_U

ClientSampleId :

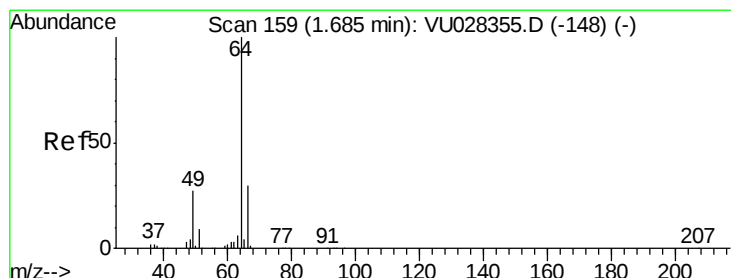
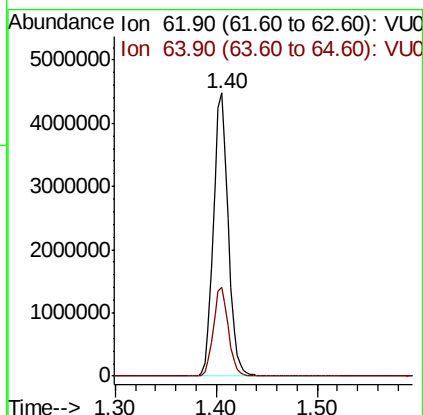
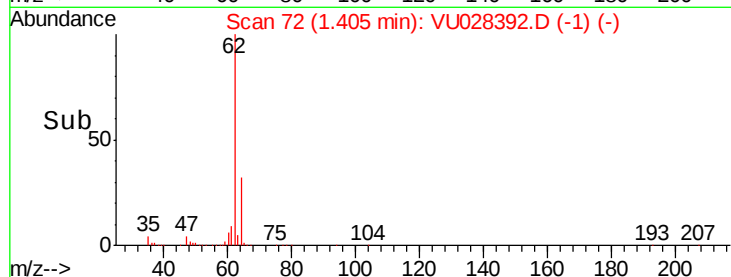
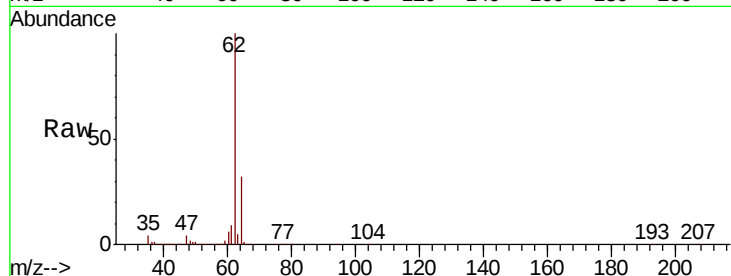
S32-0639

Tot Ion: 62 Resp: 4555312

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.4



#6

Chloroethane

Concen: 502.914 ug/l

RT: 1.40 min Scan# 72

Delta R.T. -0.28 min

Lab File: VU028392.D

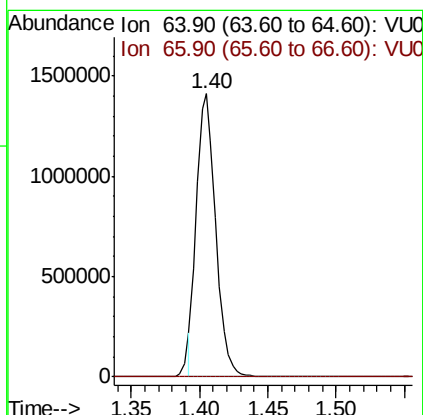
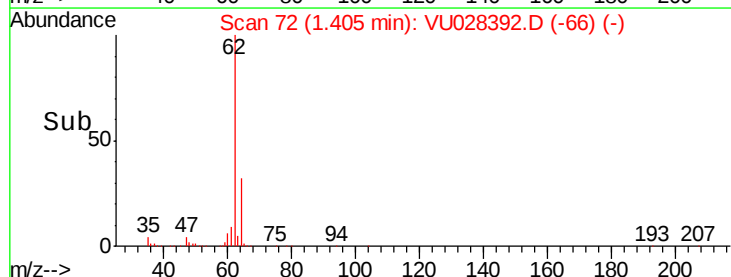
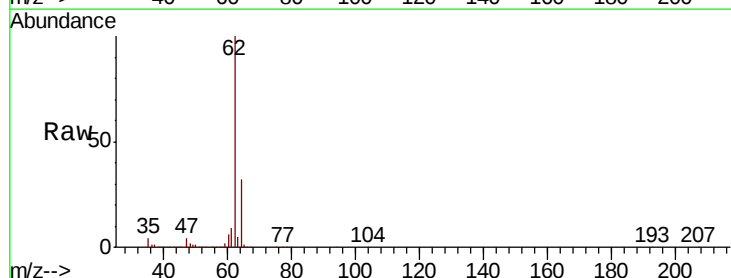
Acq: 29 Nov 2018 14:37

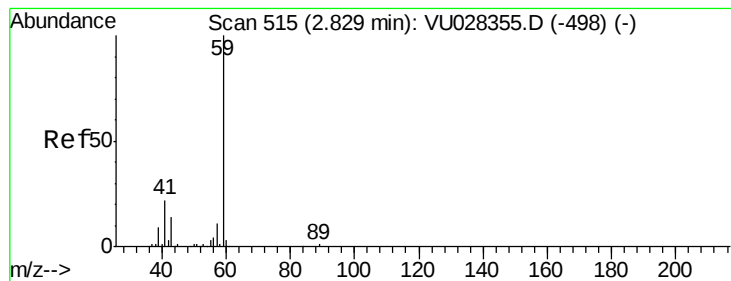
Tgt Ion: 64 Resp: 1377865

Ion Ratio Lower Upper

64 100

66 0.0 23.6 35.4#



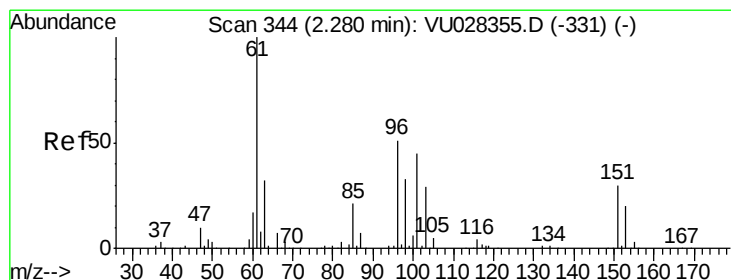
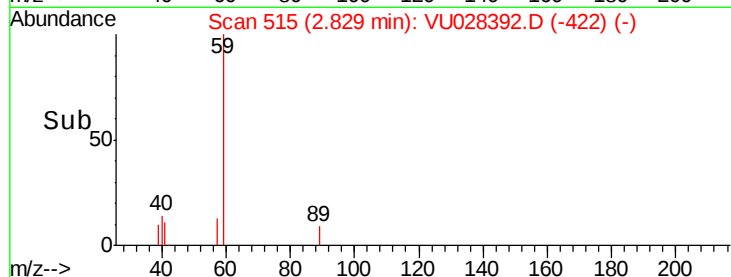
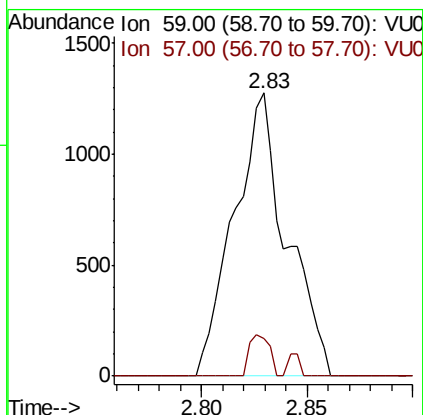
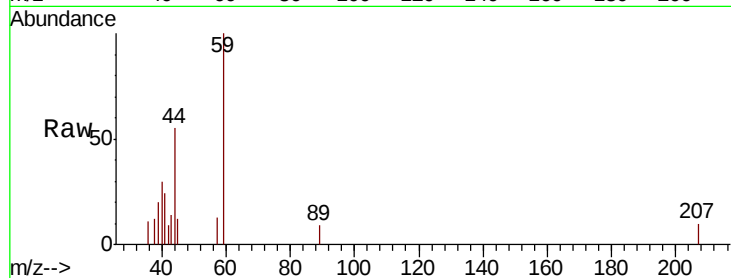


#11

Tert butyl alcohol
Concen: 2.233 ug/l
RT: 2.83 min Scan# 515
Delta R.T. -0.00 min
Lab File: VU028392.D
Acq: 29 Nov 2018 14:37

Instrument :
MSVOA_U
ClientSampled :
S32-0639

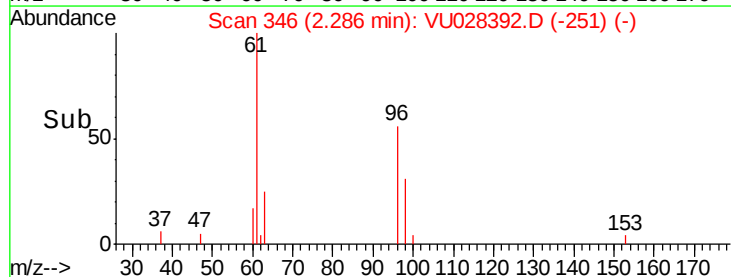
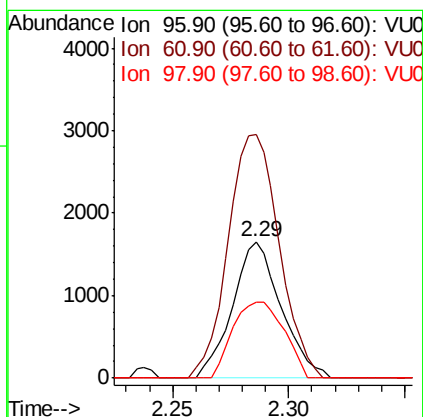
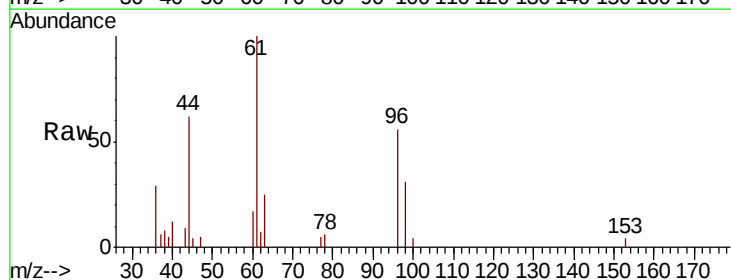
Tot Ion: 59 Resp: 2219
Ion Ratio Lower Upper
59 100
57 5.6 8.3 12.5#

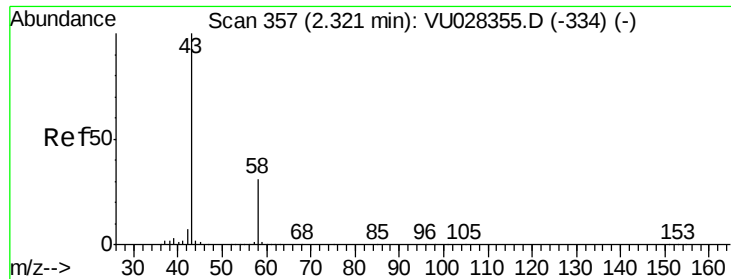


#12

1,1-Dichloroethene
Concen: 0.863 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.01 min
Lab File: VU028392.D
Acq: 29 Nov 2018 14:37

Tgt Ion: 96 Resp: 2412
Ion Ratio Lower Upper
96 100
61 178.7 158.1 237.1
98 56.2 51.4 77.2





#16

Acetone

Concen: 5.906 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028392.D

Acq: 29 Nov 2018 14:37

Instrument :

MSVOA_U

ClientSampleId :

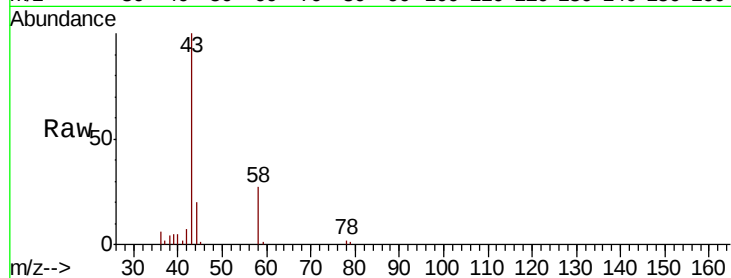
S32-0639

Tot Ion: 43 Resp: 15802

Ion Ratio Lower Upper

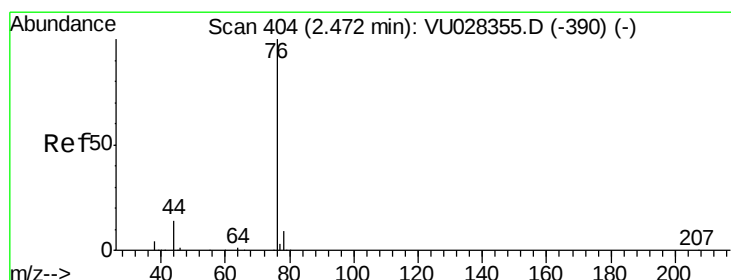
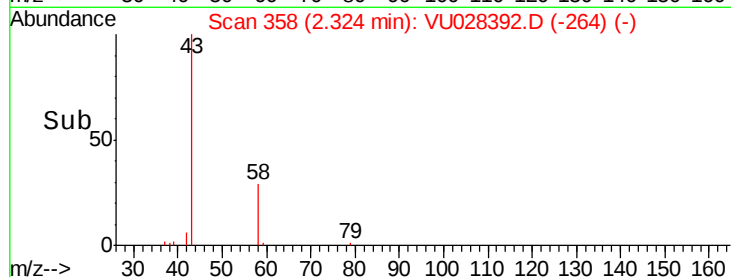
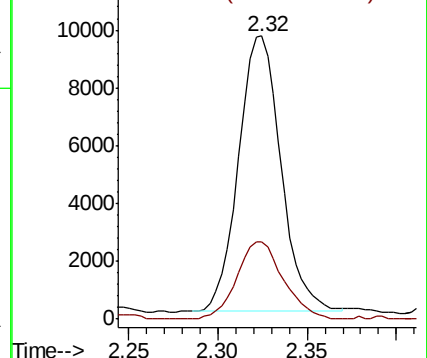
43 100

58 28.3 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#17

Carbon Disulfide

Concen: 0.210 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.01 min

Lab File: VU028392.D

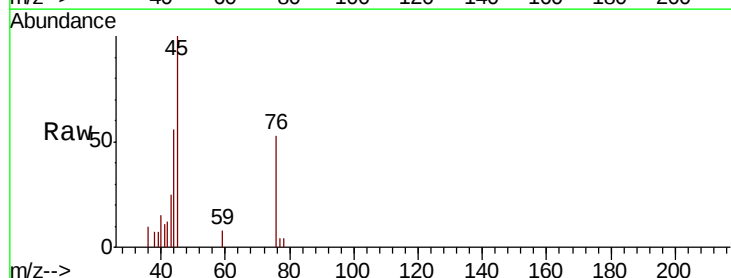
Acq: 29 Nov 2018 14:37

Tgt Ion: 76 Resp: 2250

Ion Ratio Lower Upper

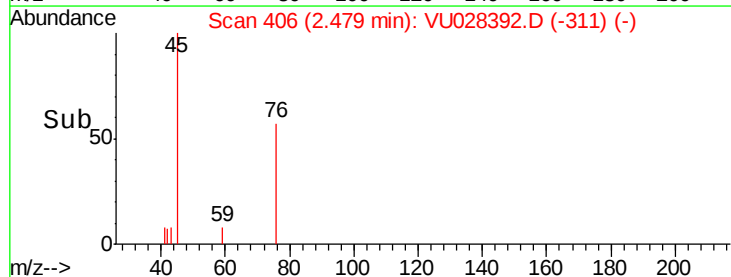
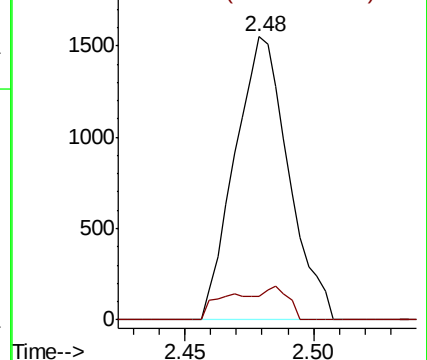
76 100

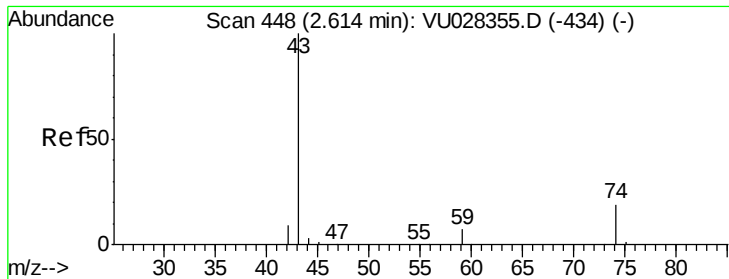
78 8.5 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

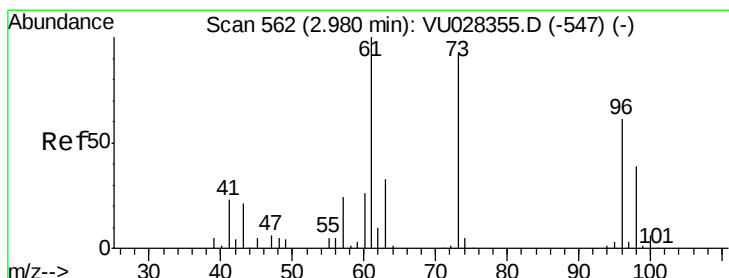
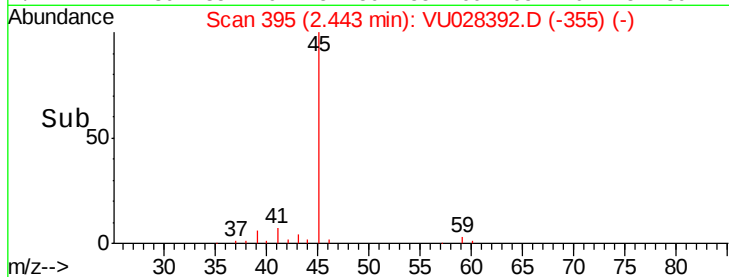
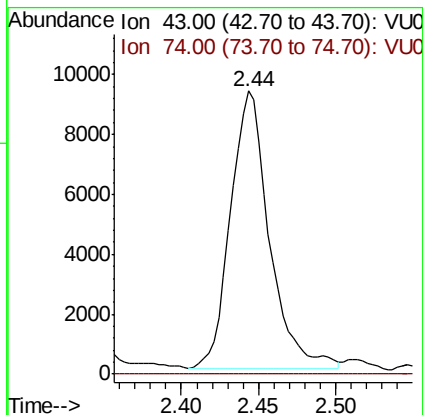
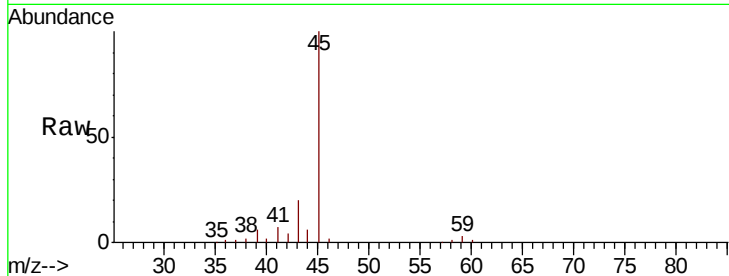




#18
Methvl Acetate
Concen: 2.171 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU028392.D
Acq: 29 Nov 2018 14:37

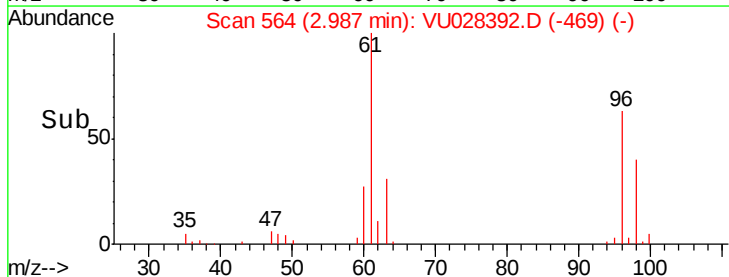
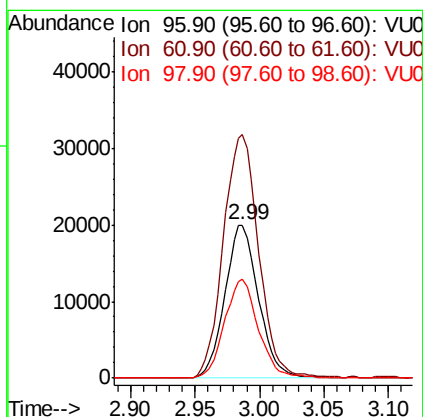
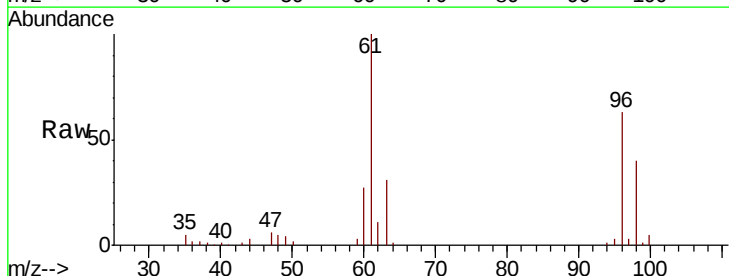
Instrument :
MSVOA_U
ClientSampled :
S32-0639

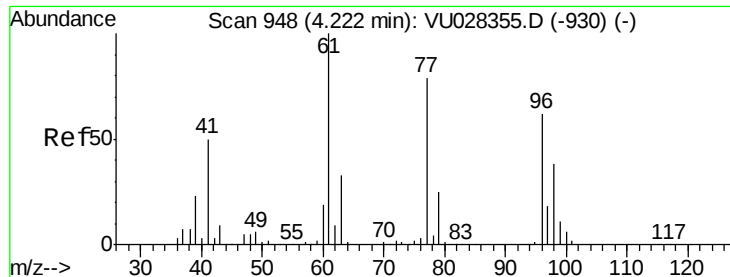
Tot Ion: 43 Resp: 16171
Ion Ratio Lower Upper
43 100
74 0.0 15.3 22.9#



#21
trans-1,2-Dichloroethene
Concen: 11.159 ug/l
RT: 2.99 min Scan# 564
Delta R.T. 0.01 min
Lab File: VU028392.D
Acq: 29 Nov 2018 14:37

Tgt Ion: 96 Resp: 36185
Ion Ratio Lower Upper
96 100
61 159.3 131.1 196.7
98 64.4 51.7 77.5



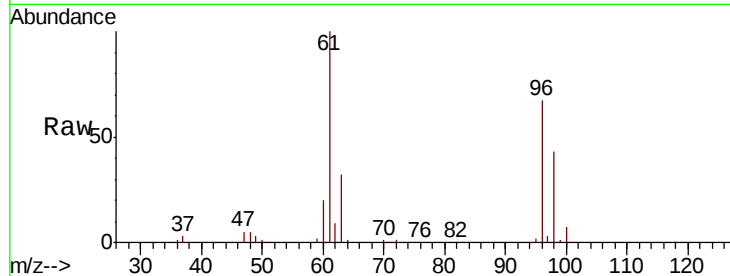


#27

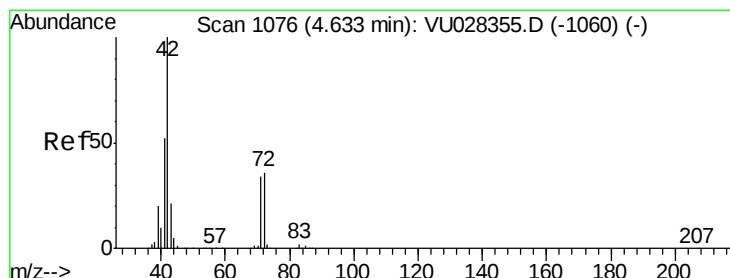
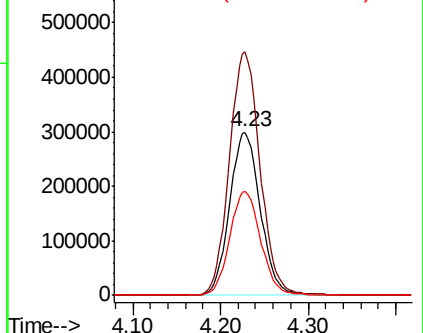
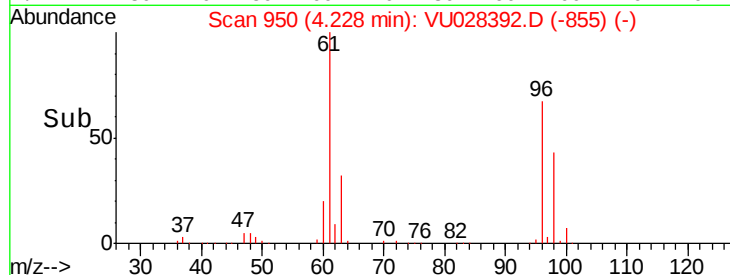
cis-1,2-Dichloroethene
 Concen: 190.202 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.01 min
 Lab File: VU028392.D
 Acq: 29 Nov 2018 14:37

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0639

Tot Ion: 96 Resp: 729384
 Ion Ratio Lower Upper
 96 100
 61 149.5 0.0 342.0
 98 64.3 0.0 126.4



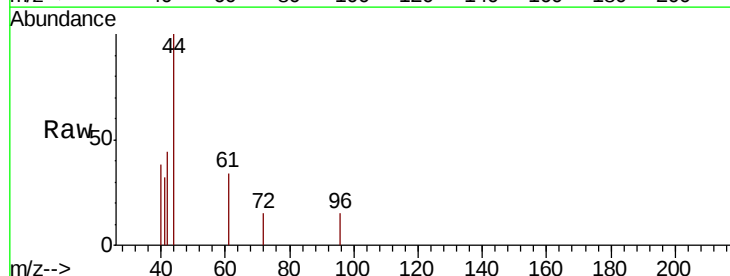
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



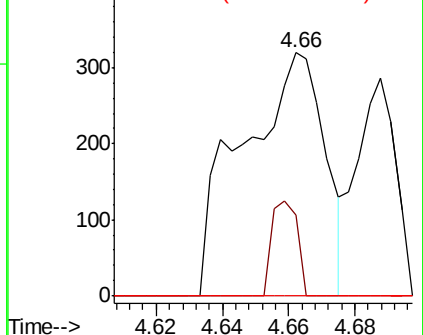
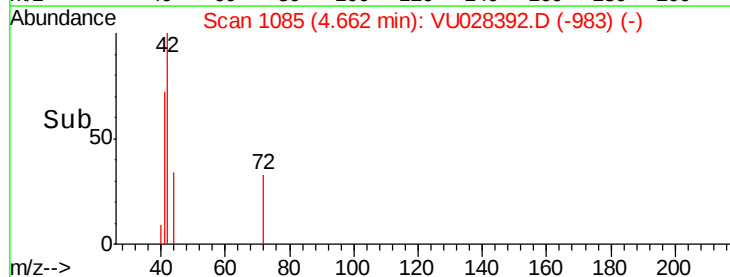
#29

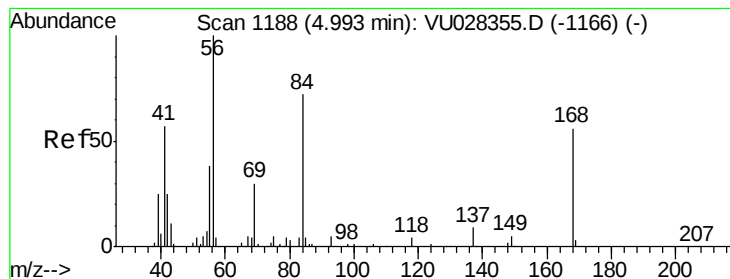
Tetrahydrofuran
 Concen: 0.222 ug/l
 RT: 4.66 min Scan# 1085
 Delta R.T. 0.03 min
 Lab File: VU028392.D
 Acq: 29 Nov 2018 14:37

Tgt Ion: 42 Resp: 552
 Ion Ratio Lower Upper
 42 100
 72 12.1 29.5 44.3#
 71 0.0 27.7 41.5#



Abundance Ion 42.00 (41.70 to 42.70): VU0
 Ion 72.00 (71.70 to 72.70): VU0
 Ion 71.00 (70.70 to 71.70): VU0





#31

Cyclohexane

Concen: 0.559 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU028392.D

Acq: 29 Nov 2018 14:37

Instrument :

MSVOA_U

ClientSampleId :

S32-0639

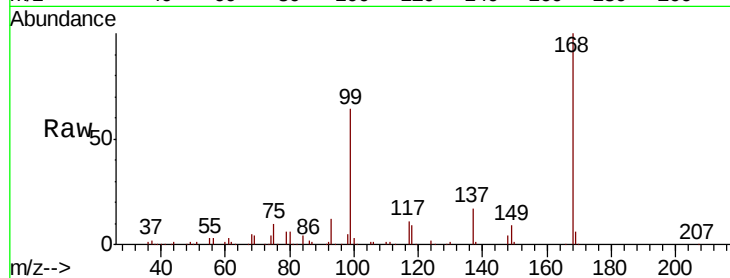
Tot Ion: 56 Resp: 6843

Ion Ratio Lower Upper

56 100

69 148.8 23.7 35.5#

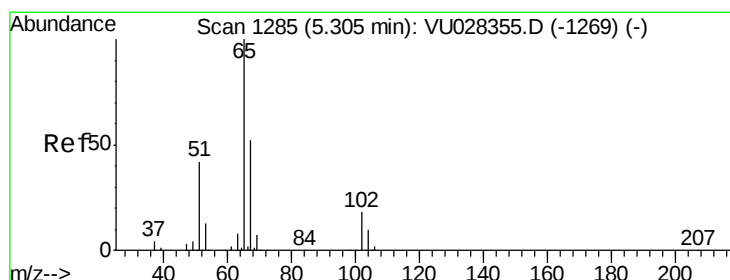
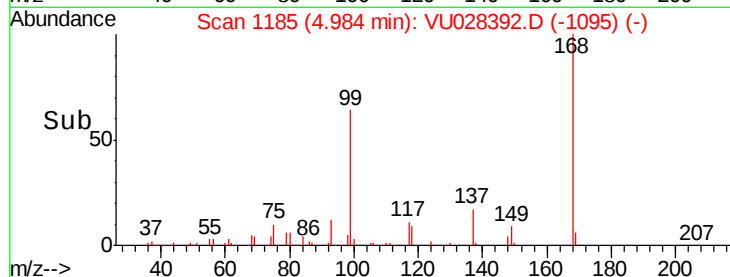
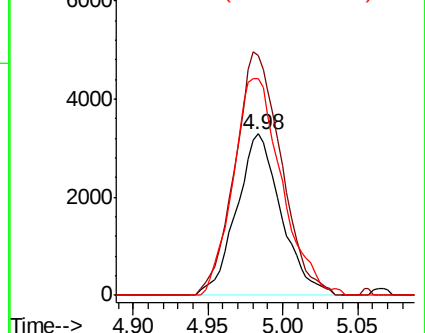
84 134.5 57.3 85.9#



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: 52.628 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028392.D

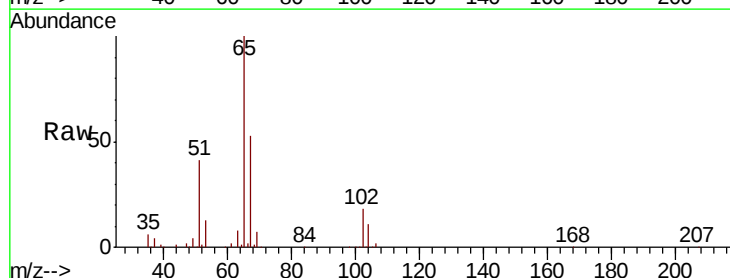
Acq: 29 Nov 2018 14:37

Tgt Ion: 65 Resp: 230189

Ion Ratio Lower Upper

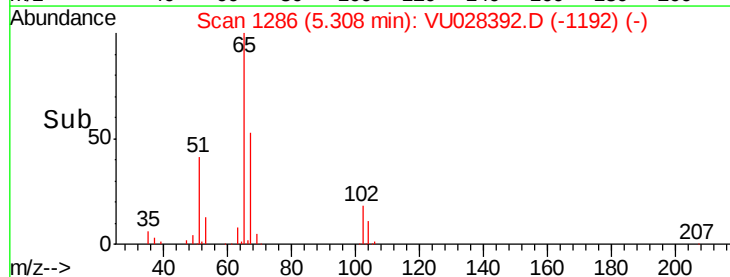
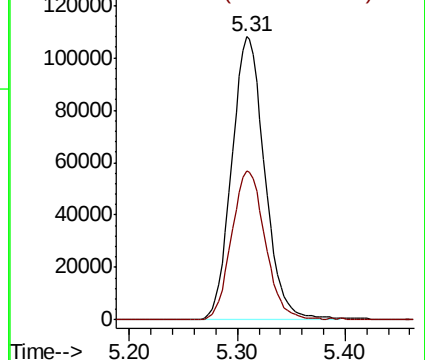
65 100

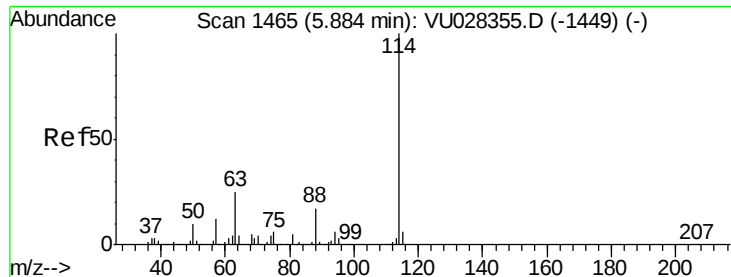
67 53.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

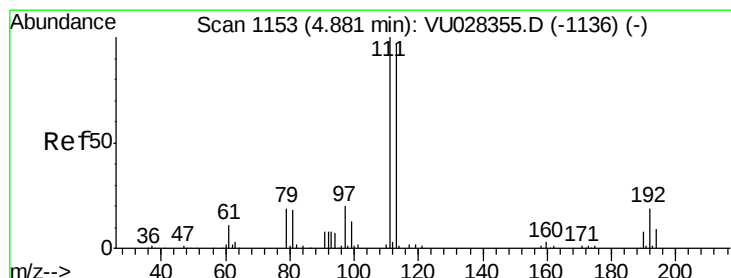
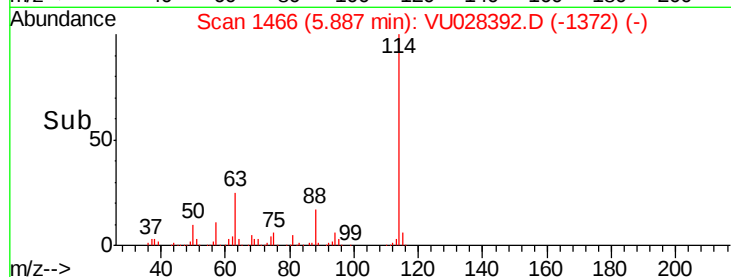
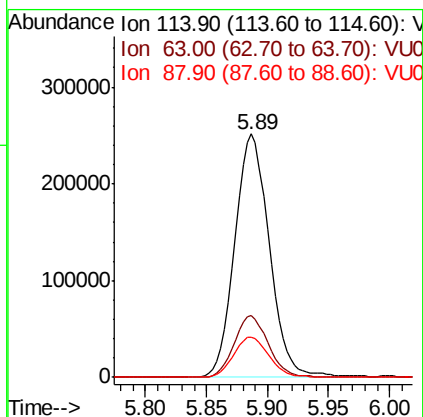
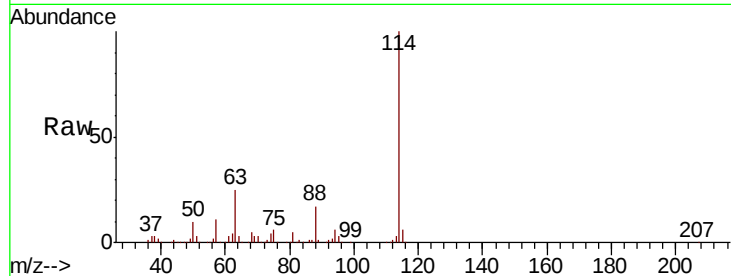




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028392.D
 Acq: 29 Nov 2018 14:37

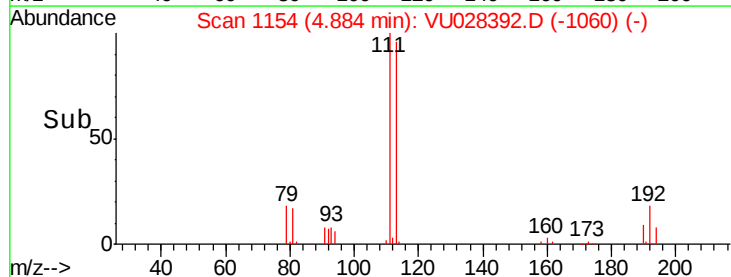
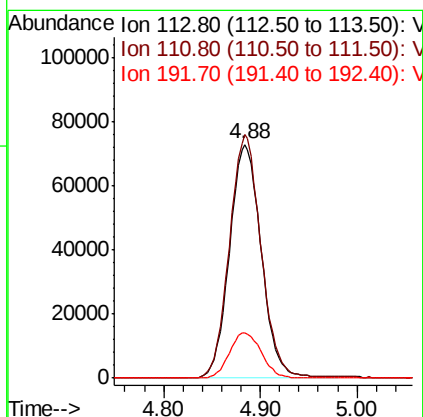
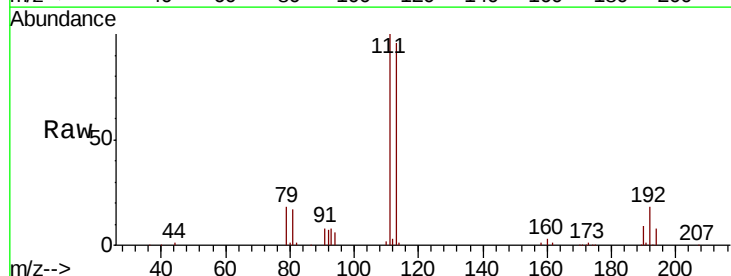
Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0639

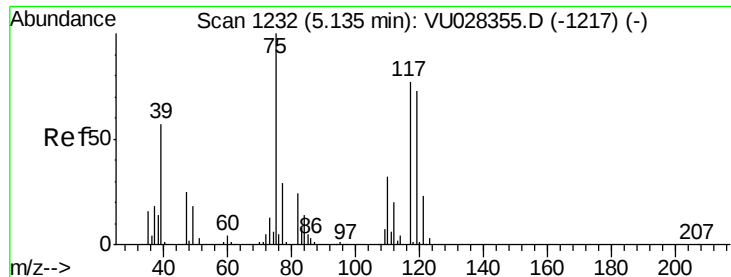
Tot Ion	Ratio	Lower	Upper
114	100		
63	25.2	0.0	50.0
88	16.7	0.0	34.4



#35
 Dibromofluoromethane
 Concen: 50.674 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028392.D
 Acq: 29 Nov 2018 14:37

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.9	124.3
192	19.4	15.4	23.0





#36

1,1-Dichloropropene

Concen: 4.567 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028392.D

Acq: 29 Nov 2018 14:37

Instrument :

MSVOA_U

ClientSampleId :

S32-0639

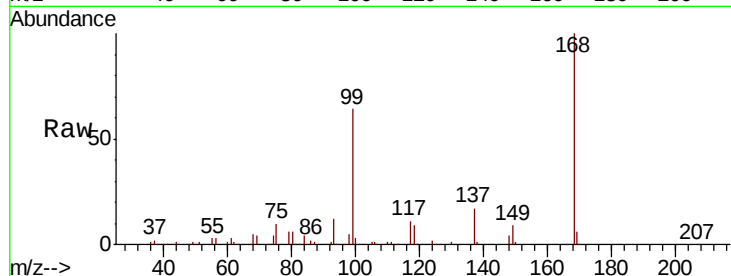
Tot Ion: 75 Resp: 24676

Ion Ratio Lower Upper

75 100

110 8.4 15.8 47.4#

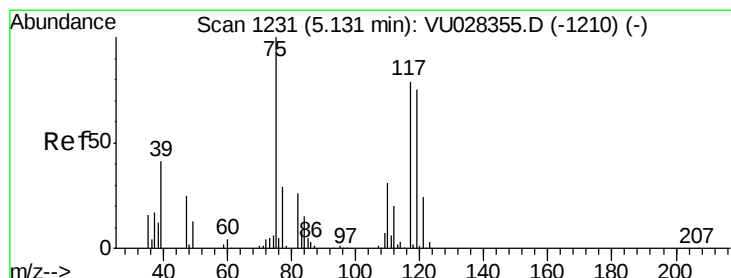
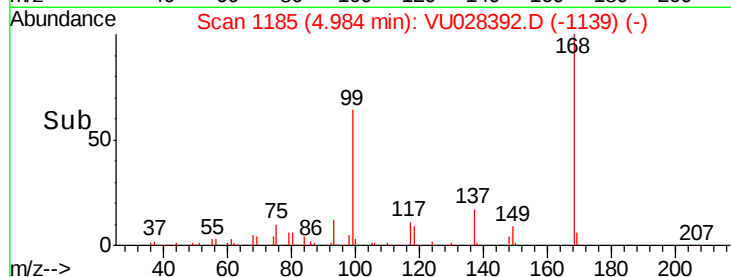
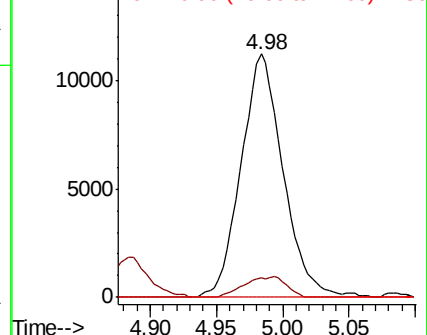
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0



#38

Carbon Tetrachloride

Concen: 6.068 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028392.D

Acq: 29 Nov 2018 14:37

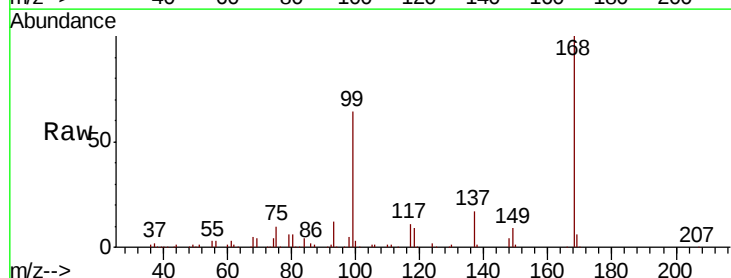
Tgt Ion: 117 Resp: 26927

Ion Ratio Lower Upper

117 100

119 4.2 76.3 114.5#

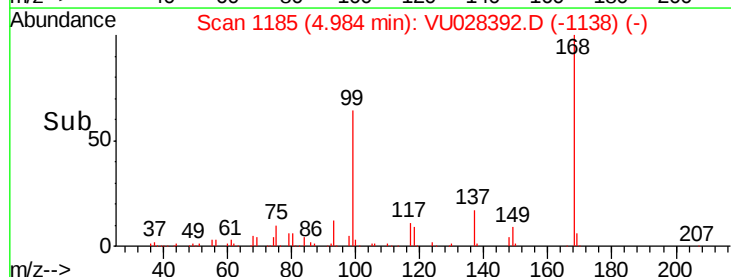
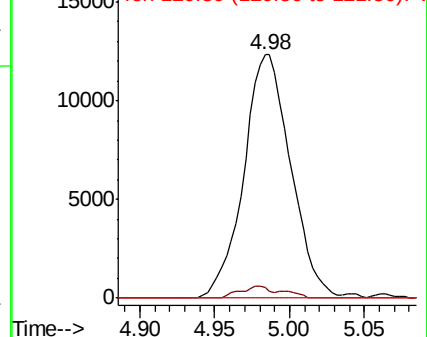
121 0.0 24.7 37.1#

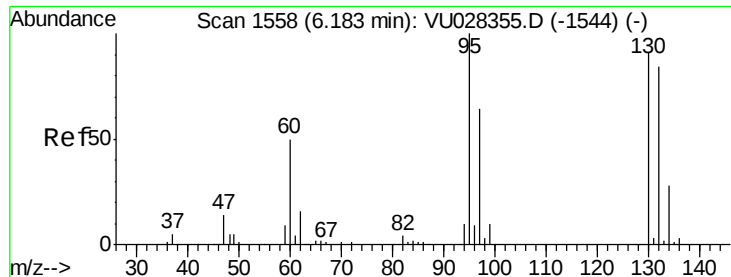


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.323 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.01 min

Lab File: VU028392.D

Acq: 29 Nov 2018 14:37

Instrument :

MSVOA_U

ClientSampleId :

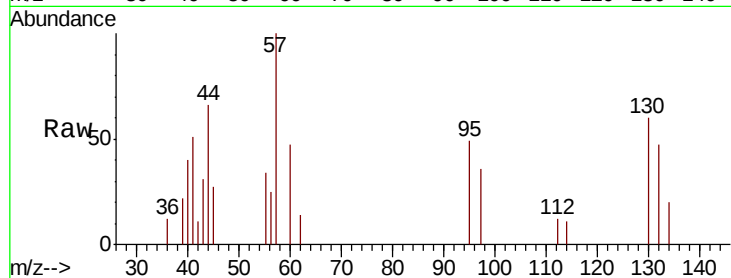
S32-0639

Tot Ion:130 Resp: 1107

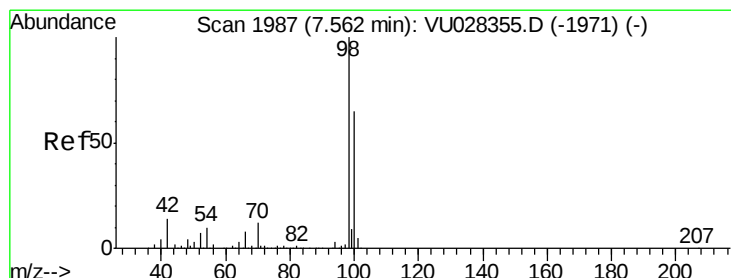
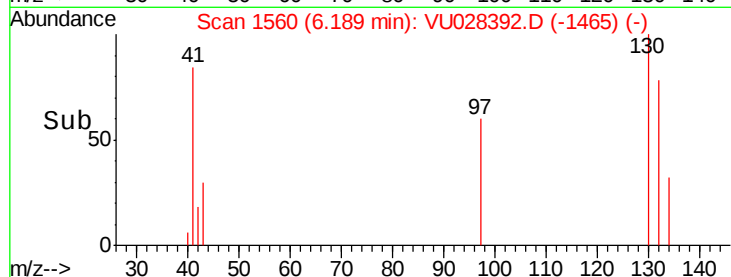
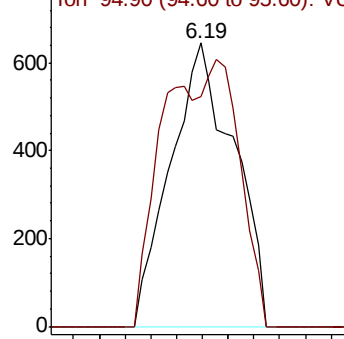
Ion Ratio Lower Upper

130 100

95 80.9 0.0 219.8



Abundance Ion 129.80 (129.50 to 130.50): VU028355.D (-1544) (-)



#50

Toluene-d8

Concen: 50.293 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028392.D

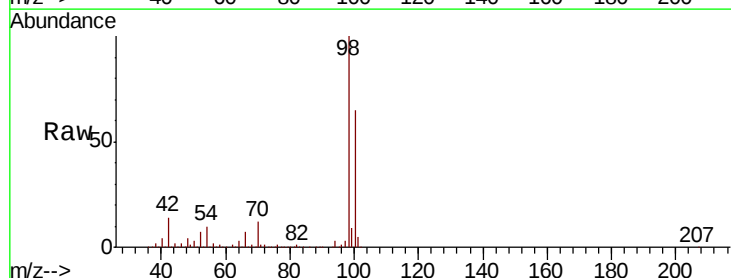
Acq: 29 Nov 2018 14:37

Tgt Ion: 98 Resp: 660439

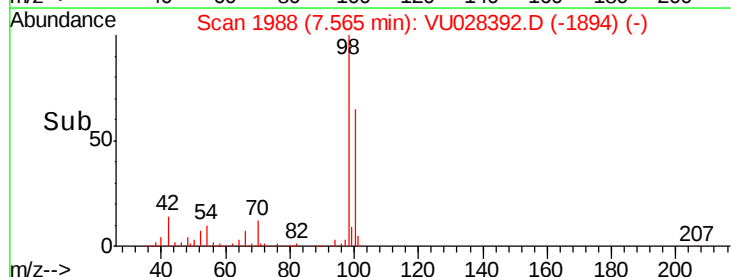
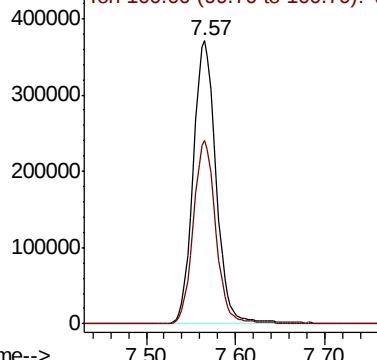
Ion Ratio Lower Upper

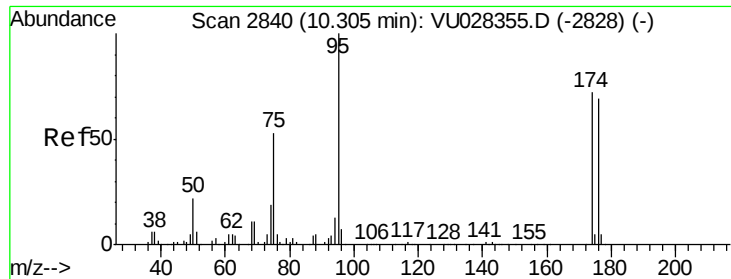
98 100

100 63.7 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VU028355.D (-1971) (-)





#62

4-Bromofluorobenzene

Concen: 51.513 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028392.D

Acq: 29 Nov 2018 14:37

Instrument :

MSVOA_U

ClientSampleId :

S32-0639

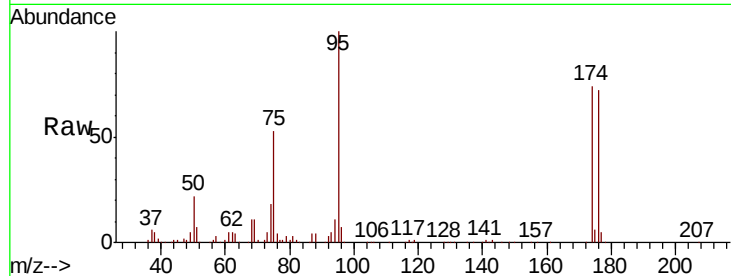
Tot Ion: 95 Resp: 243817

Ion Ratio Lower Upper

95 100

174 72.9 0.0 145.4

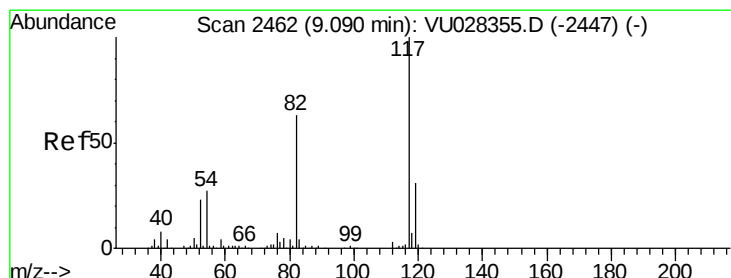
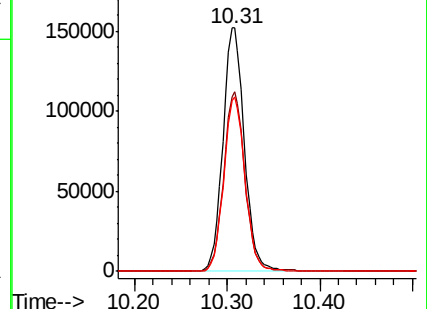
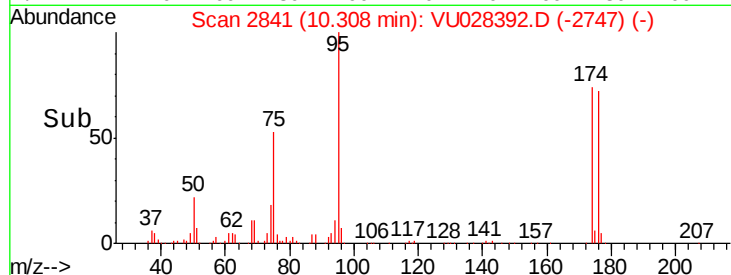
176 70.9 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU028355.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028355.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028355.D (-2828) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU028392.D

Acq: 29 Nov 2018 14:37

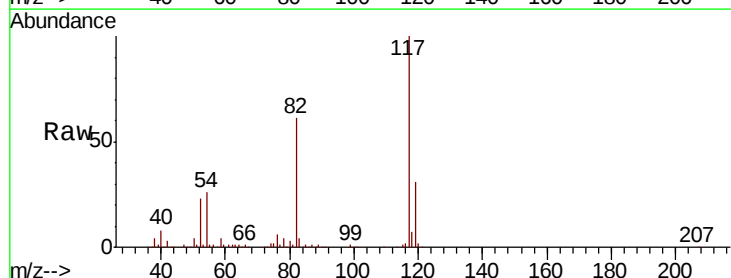
Tgt Ion: 117 Resp: 472504

Ion Ratio Lower Upper

117 100

82 61.3 50.3 75.5

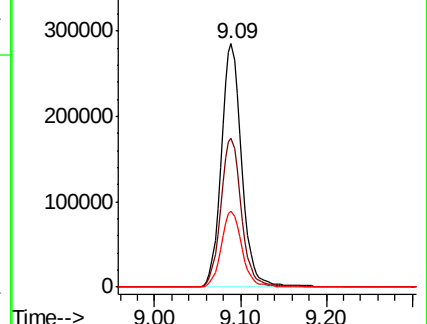
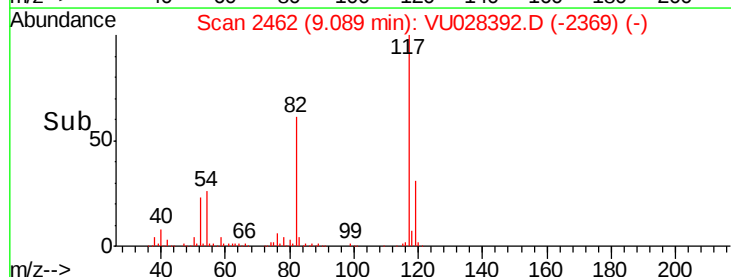
119 31.1 24.8 37.2

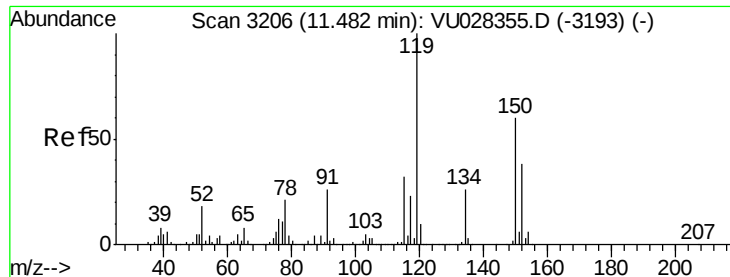


Abundance Ion 116.90 (116.60 to 117.60): VU028355.D (-2447) (-)

Ion 82.00 (81.70 to 82.70): VU028355.D (-2447) (-)

Ion 118.90 (118.60 to 119.60): VU028355.D (-2447) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028392.D

Acq: 29 Nov 2018 14:37

Instrument :

MSVOA_U

ClientSampleId :

S32-0639

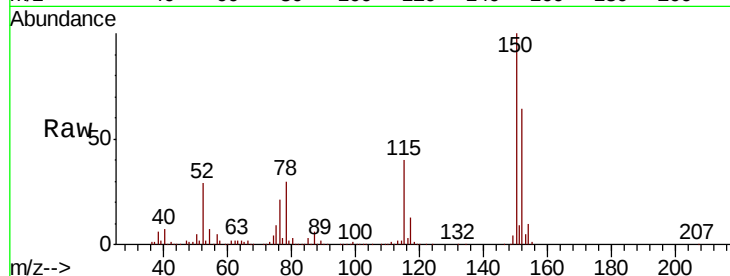
Tot Ion:152 Resp: 223494

Ion Ratio Lower Upper

152 100

115 62.6 45.0 134.8

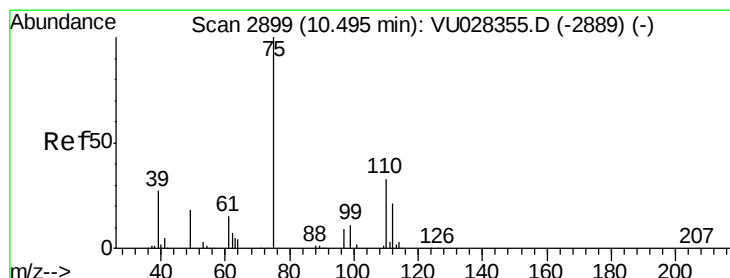
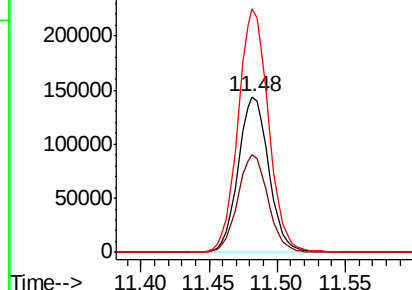
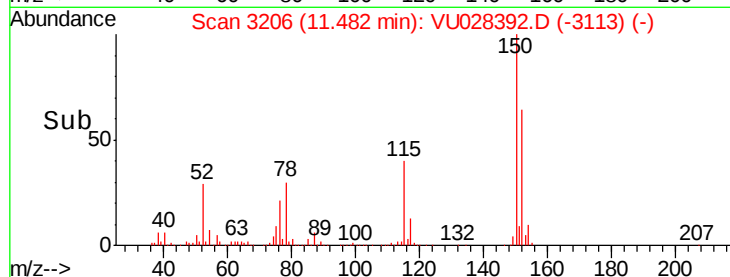
150 156.4 0.0 349.2



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: 21.025 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028392.D

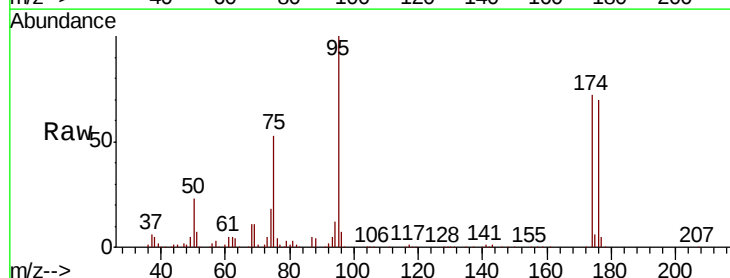
Acq: 29 Nov 2018 14:37

Tgt Ion: 75 Resp: 130305

Ion Ratio Lower Upper

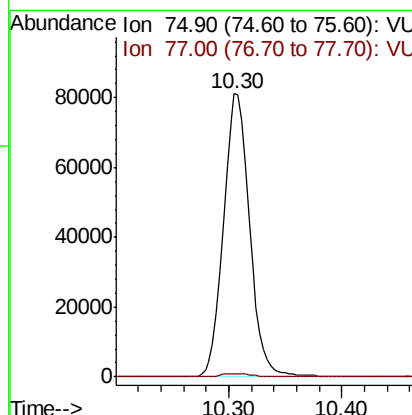
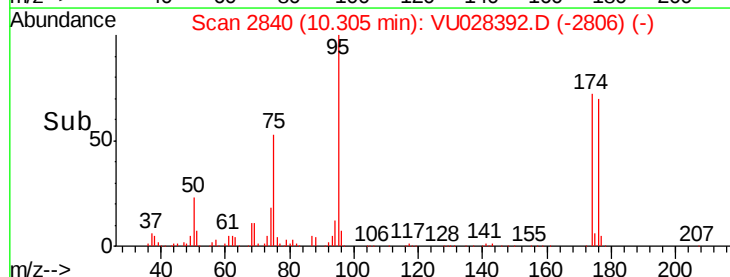
75 100

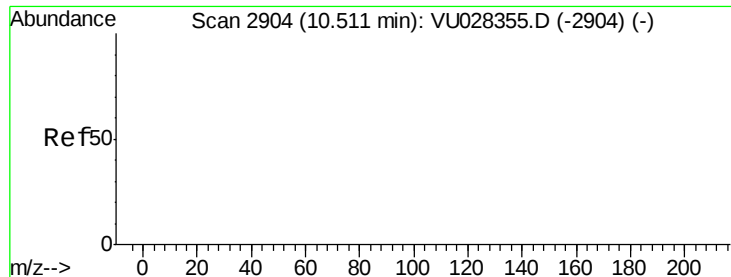
77 1.4 22.4 67.0#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

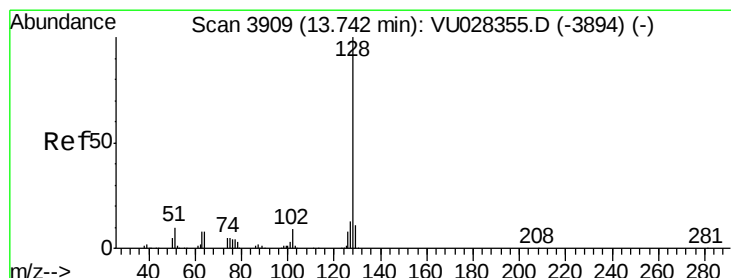
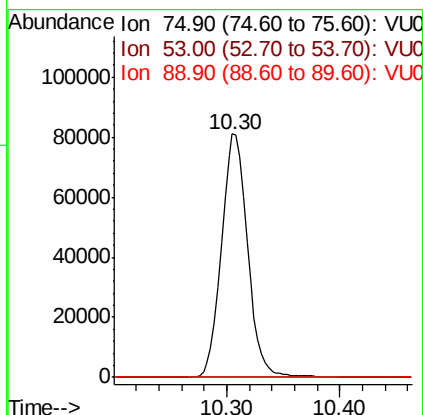
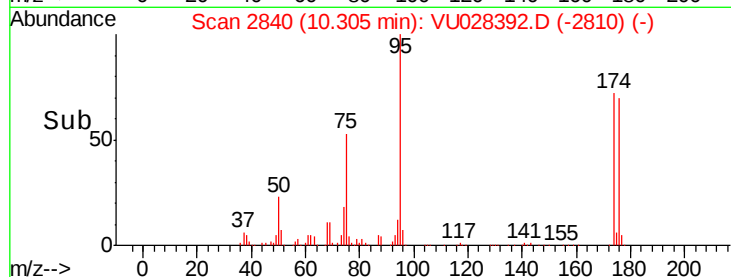
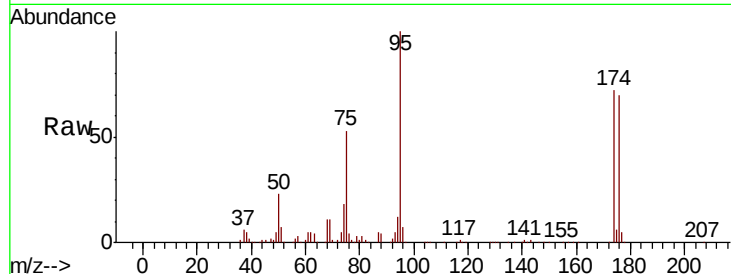




#81
trans-1,4-Dichloro-2-butene
Concen: 55.810 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.20 min
Lab File: VU028392.D
Acq: 29 Nov 2018 14:37

Instrument :
MSVOA_U
ClientSampleId :
S32-0639

Tot Ion: 75 Resp: 130305
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#95
Naphthalene
Concen: 2.903 ug/l
RT: 13.75 min Scan# 3913
Delta R.T. 0.01 min
Lab File: VU028392.D
Acq: 29 Nov 2018 14:37

Tgt Ion:128 Resp: 1346
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 3.0 8.6 12.8#

