

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121118\
 Data File : VU028554.D
 Acq On : 10 Dec 2018 16:23
 Operator : MD/SY
 Sample : J6323-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-122D3-20181206

Quant Time: Dec 11 03:38:41 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	86517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	167441	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	157456	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73394	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	76526	57.96	ug/l	0.00
Spiked Amount			Recovery	=	115.92%	
35) Dibromofluoromethane	4.88	113	55700	52.86	ug/l	0.00
Spiked Amount			Recovery	=	105.72%	
50) Toluene-d8	7.57	98	219118	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	
62) 4-Bromofluorobenzene	10.31	95	78610	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	

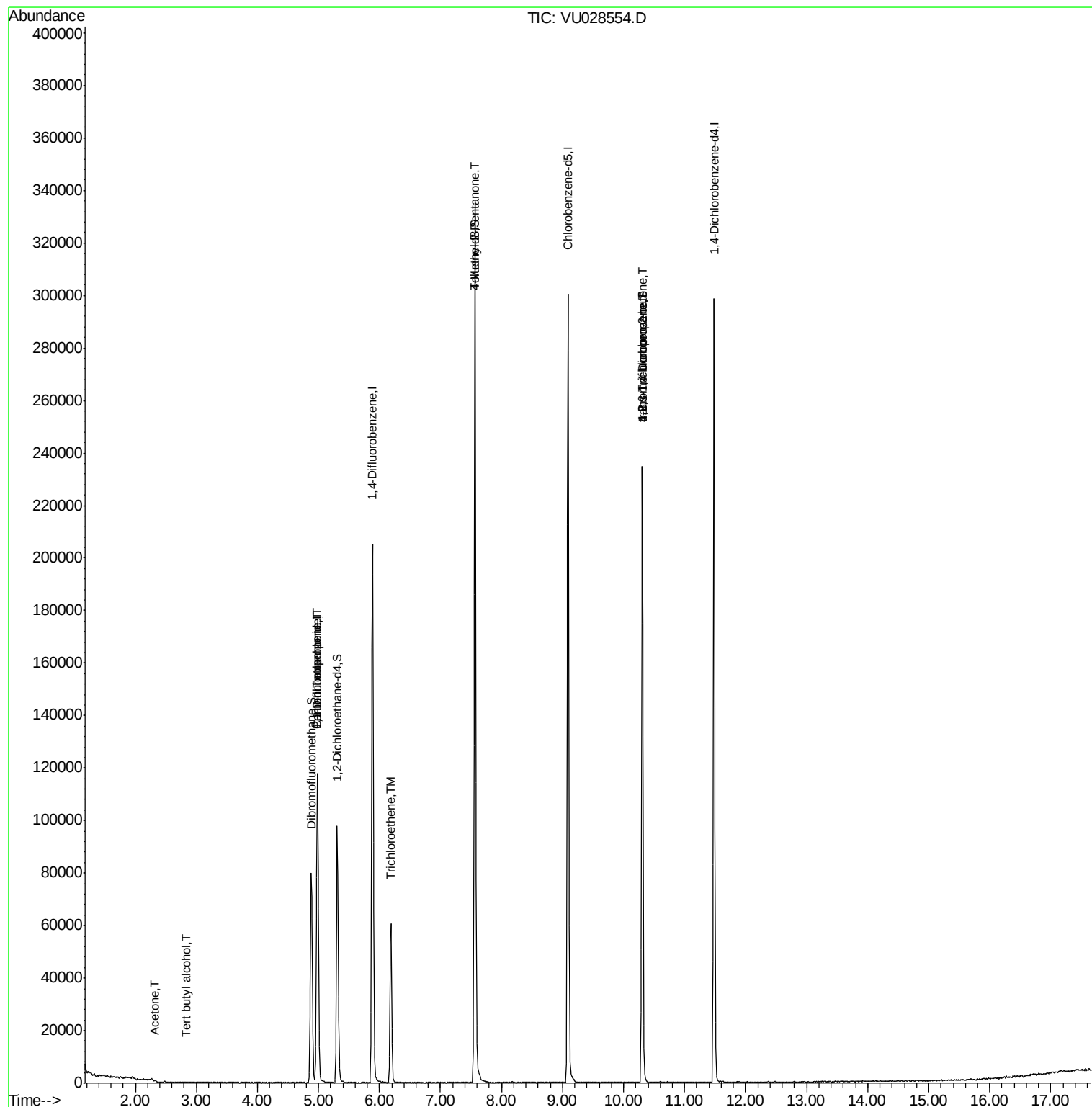
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.84	59	389	1.322	ug/l #	73
16) Acetone	2.32	43	481	0.558	ug/l	96
31) Cyclohexane	4.99	56	1994	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7878	4.300	ug/l #	50
38) Carbon Tetrachloride	4.98	117	8944	6.056	ug/l #	16
44) Trichloroethene	6.19	130	20431	17.027	ug/l	99
51) 4-Methyl-2-Pentanone	7.57	43	1229	0.520	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	41462	22.123	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	41462	54.348	ug/l #	100

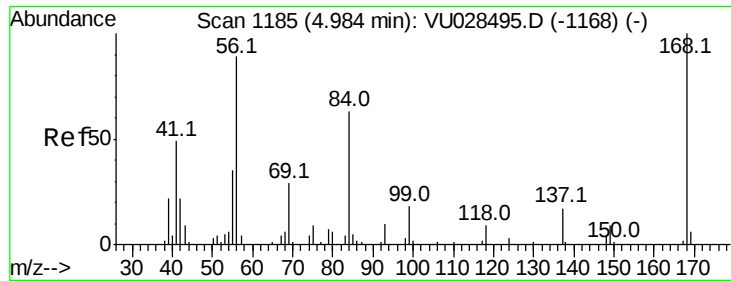
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 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: VU028554.D

Acq: 10 Dec 2018 16:23

Instrument :

MSVOA_U

ClientSampleId :

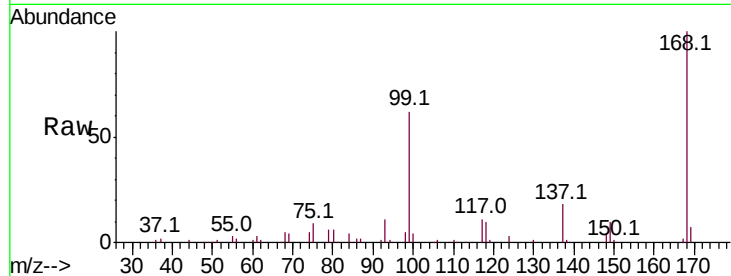
RE-122D3-20181206

Tot Ion:168 Resp: 86517

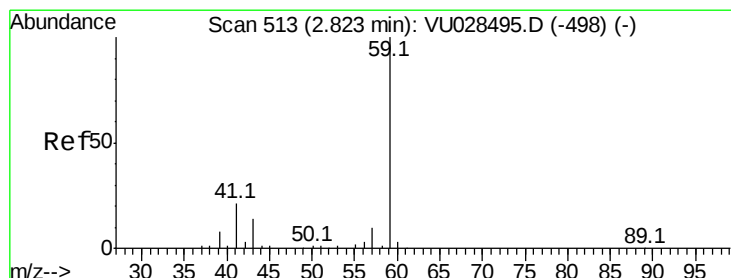
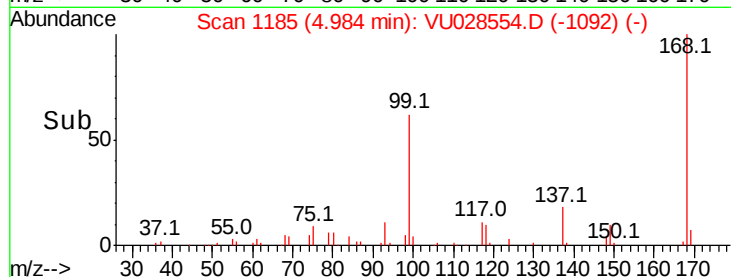
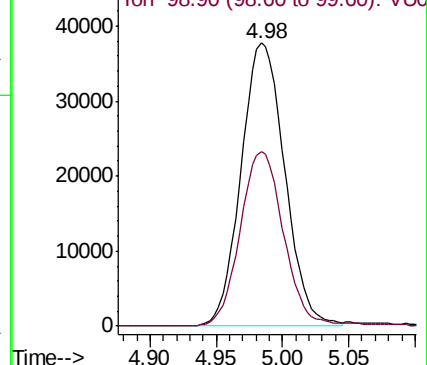
Ion Ratio Lower Upper

168 100

99 61.6 46.6 69.8



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



#11

Tert butyl alcohol

Concen: 1.322 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU028554.D

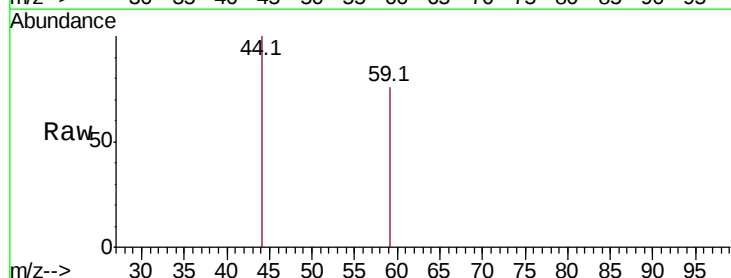
Acq: 10 Dec 2018 16:23

Tgt Ion: 59 Resp: 389

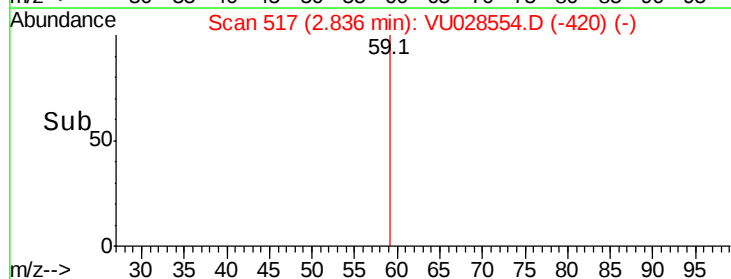
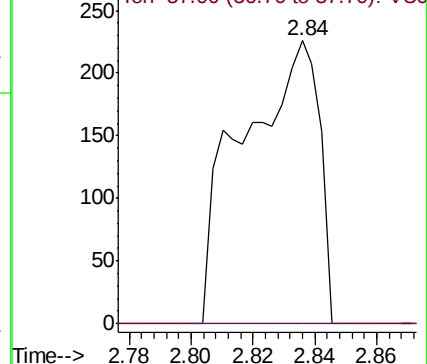
Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



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





#16

Acetone

Concen: 0.558 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028554.D

Acq: 10 Dec 2018 16:23

Instrument :

MSVOA_U

ClientSampleId :

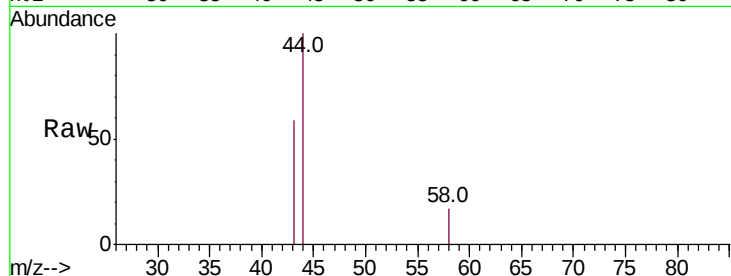
RE-122D3-20181206

Tot Ion: 43 Resp: 481

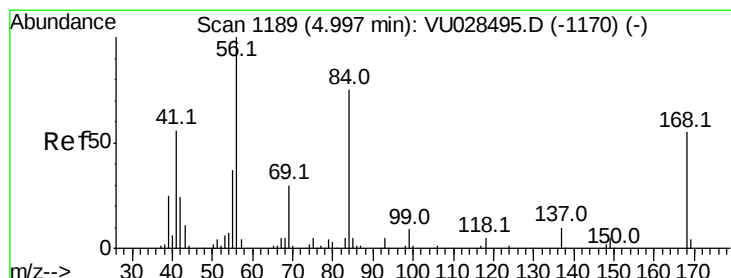
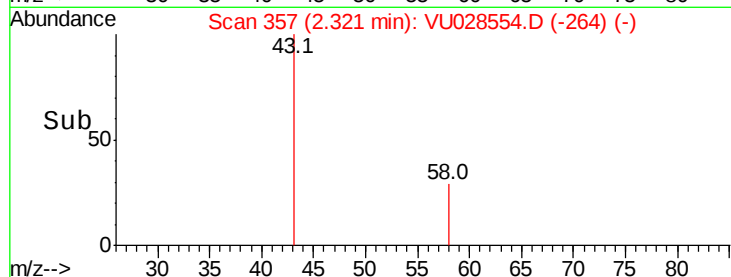
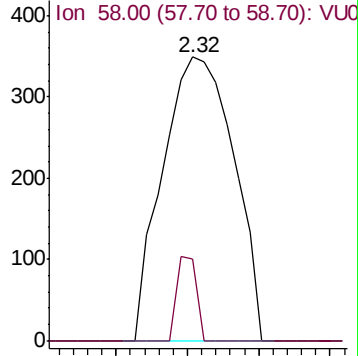
Ion Ratio Lower Upper

43 100

58 28.7 24.6 37.0



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



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU028554.D

Acq: 10 Dec 2018 16:23

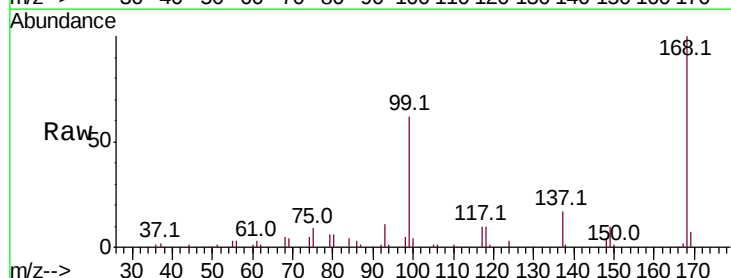
Tgt Ion: 56 Resp: 1994

Ion Ratio Lower Upper

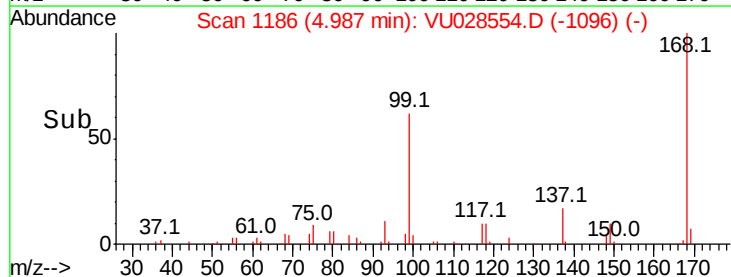
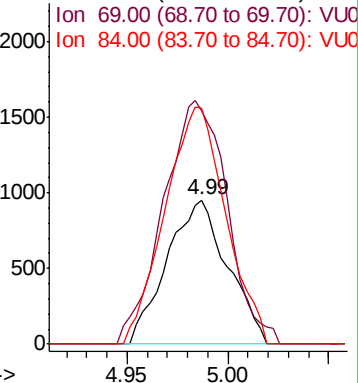
56 100

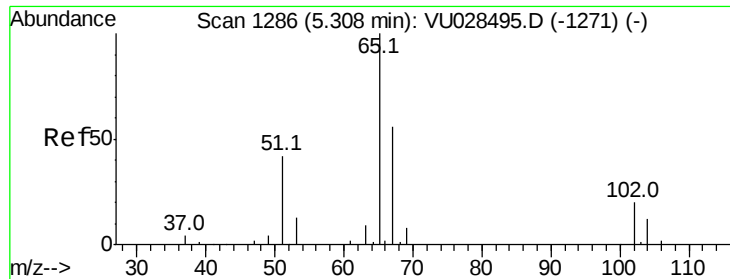
69 151.6 24.0 36.0#

84 163.4 59.7 89.5#



Abundance Ion 56.00 (55.70 to 56.70): VU028495.D (-1170) (-)





#33

1,2-Dichloroethane-d4

Concen: 57.961 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028554.D

Acq: 10 Dec 2018 16:23

Instrument :

MSVOA_U

ClientSampleId :

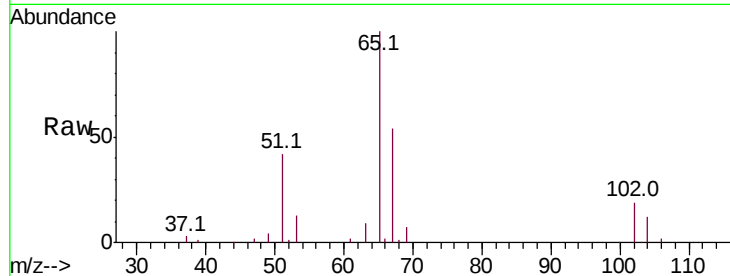
RE-122D3-20181206

Tot Ion: 65 Resp: 76526

Ion Ratio Lower Upper

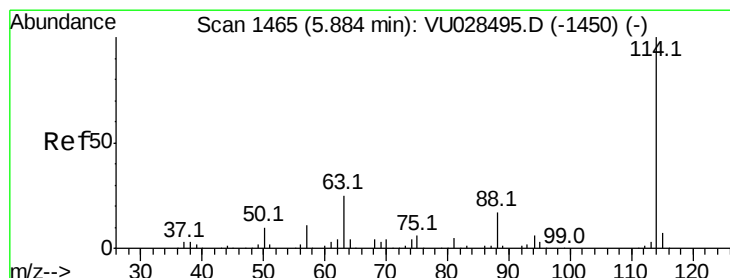
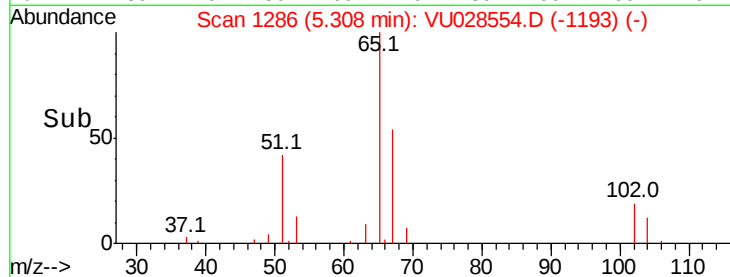
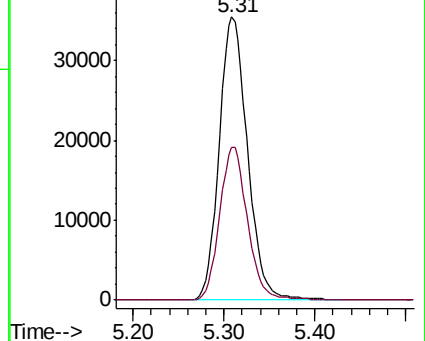
65 100

67 53.3 0.0 110.6



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# 1466

Delta R.T. 0.00 min

Lab File: VU028554.D

Acq: 10 Dec 2018 16:23

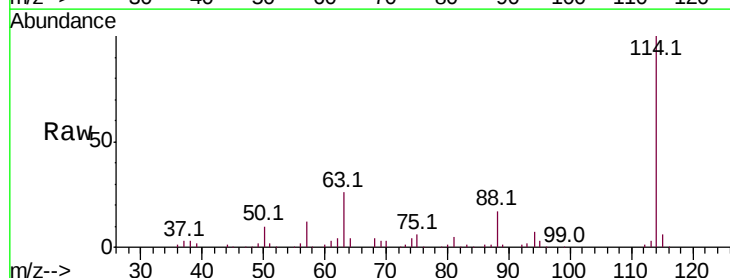
Tgt Ion: 114 Resp: 167441

Ion Ratio Lower Upper

114 100

63 25.7 0.0 49.2

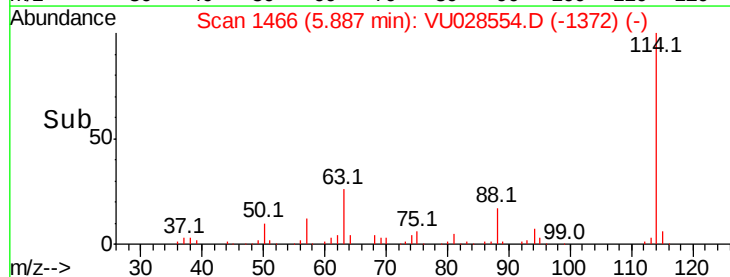
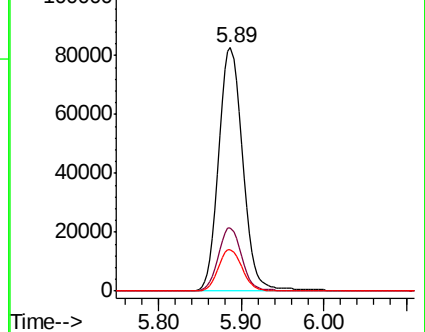
88 17.0 0.0 33.4

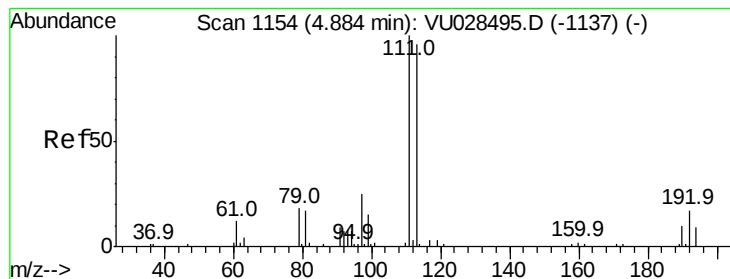


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0





#35

Dibromofluoromethane

Concen: 52.860 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU028554.D

Acq: 10 Dec 2018 16:23

Instrument :

MSVOA_U

ClientSampleId :

RE-122D3-20181206

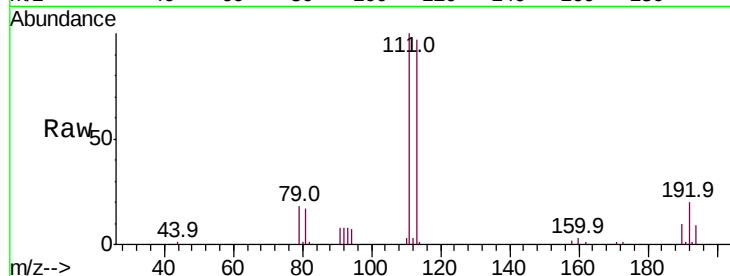
Tot Ion:113 Resp: 55700

Ion Ratio Lower Upper

113 100

111 103.8 83.4 125.0

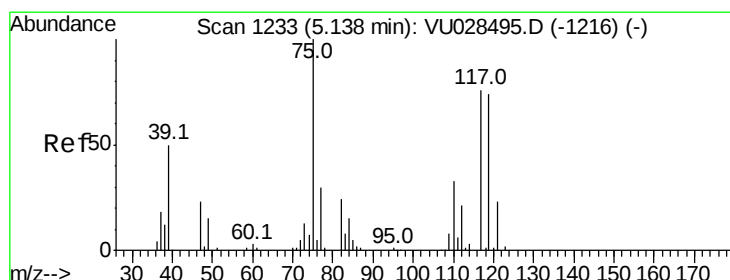
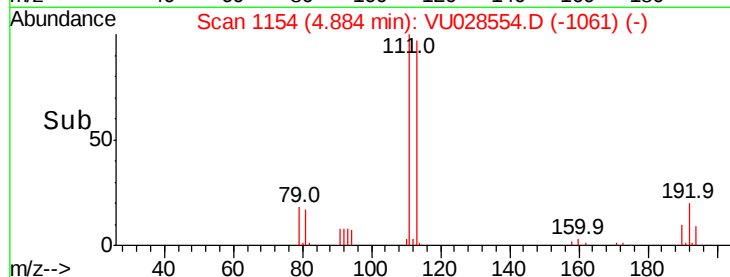
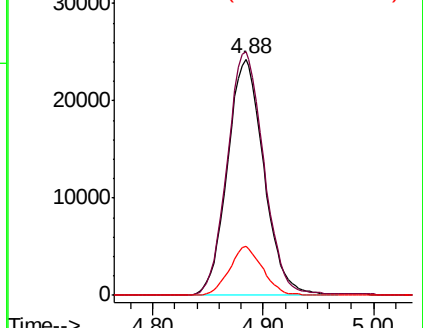
192 18.8 14.8 22.2



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: 4.300 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028554.D

Acq: 10 Dec 2018 16:23

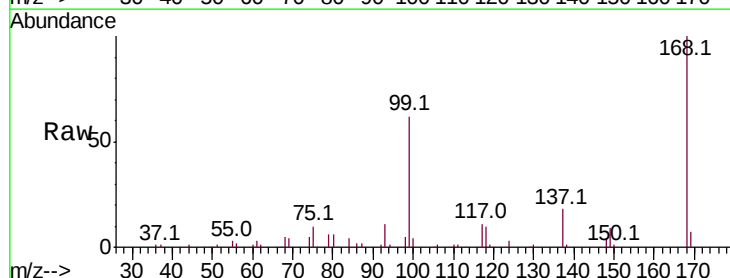
Tgt Ion: 75 Resp: 7878

Ion Ratio Lower Upper

75 100

110 7.6 16.1 48.2#

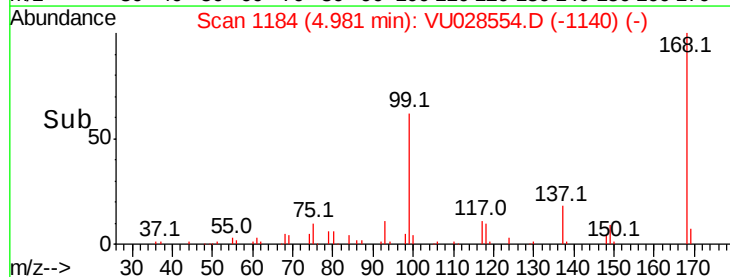
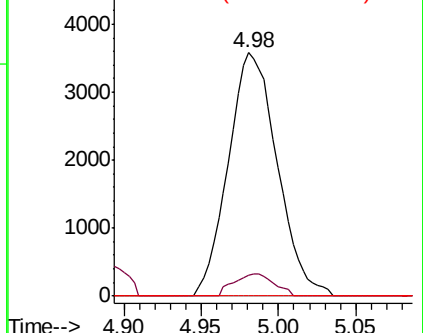
77 0.0 24.5 36.7#

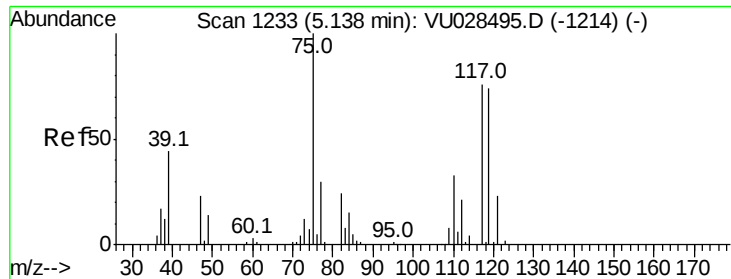


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 6.056 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028554.D

Acq: 10 Dec 2018 16:23

Instrument :

MSVOA_U

ClientSampleId :

RE-122D3-20181206

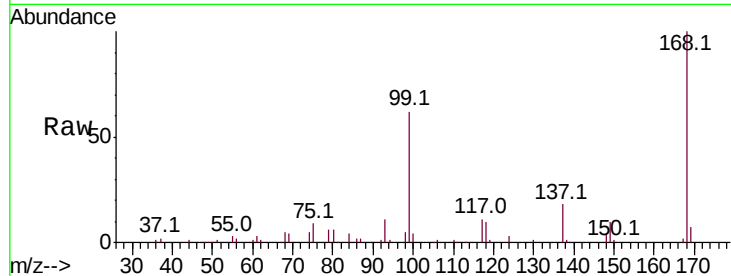
Tot Ion:117 Resp: 8944

Ion Ratio Lower Upper

117 100

119 5.7 77.6 116.4#

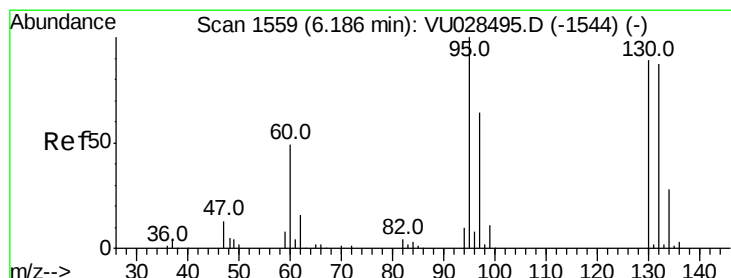
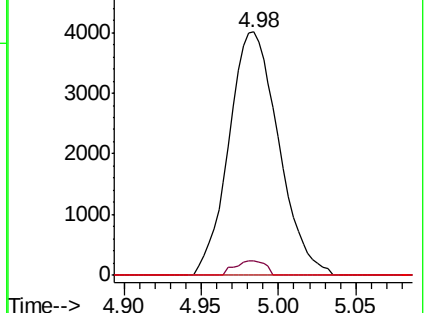
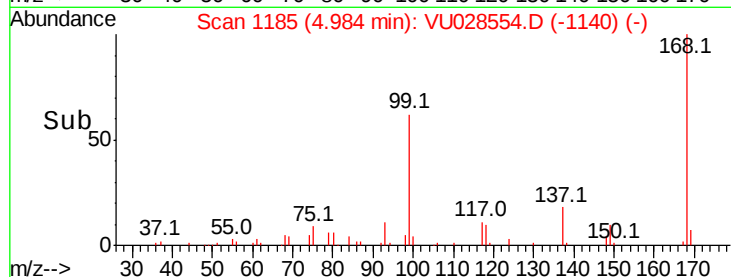
121 0.0 24.6 36.8#



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



#44

Trichloroethene

Concen: 17.027 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028554.D

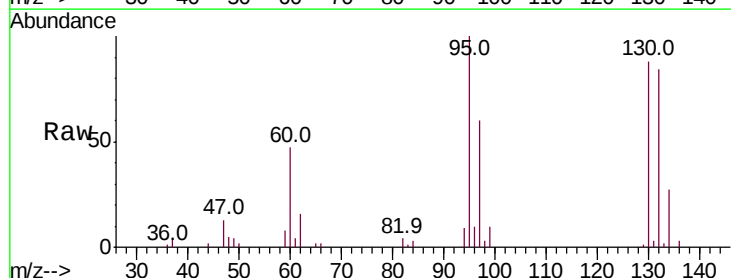
Acq: 10 Dec 2018 16:23

Tgt Ion:130 Resp: 20431

Ion Ratio Lower Upper

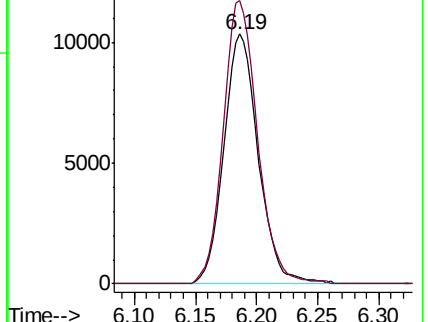
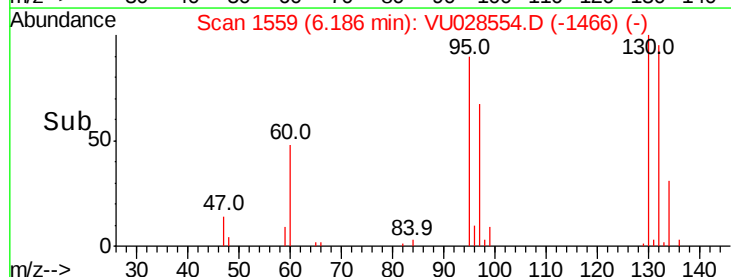
130 100

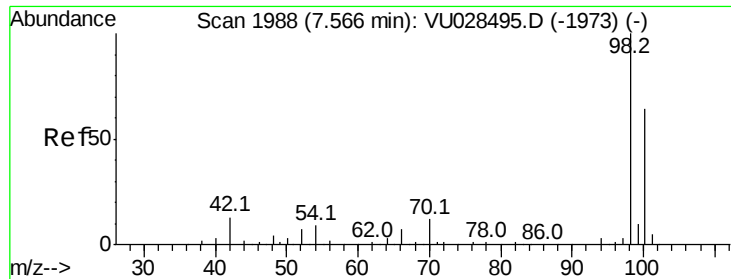
95 113.2 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 52.567 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028554.D

Acq: 10 Dec 2018 16:23

Instrument :

MSVOA_U

ClientSampleId :

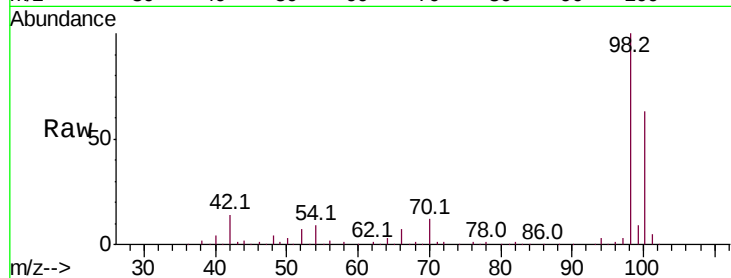
RE-122D3-20181206

Tot Ion: 98 Resp: 219118

Ion Ratio Lower Upper

98 100

100 63.1 51.0 76.6



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

Ion 100.00 (99.70 to 100.70): VU028495.D (-1973) (-)

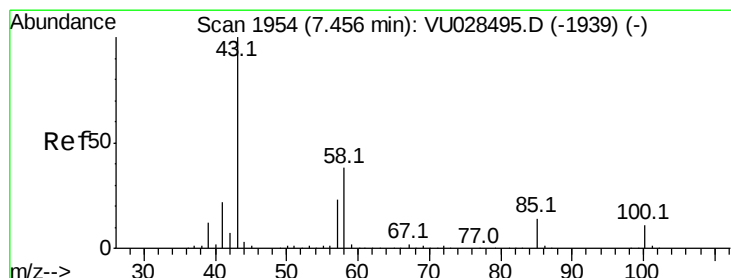
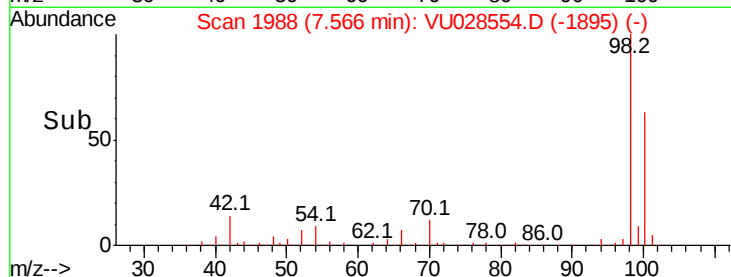
7.57

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.520 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.11 min

Lab File: VU028554.D

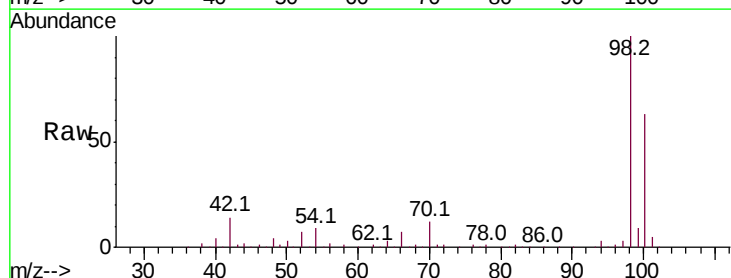
Acq: 10 Dec 2018 16:23

Tgt Ion: 43 Resp: 1229

Ion Ratio Lower Upper

43 100

58 158.1 30.2 45.2#



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

Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)

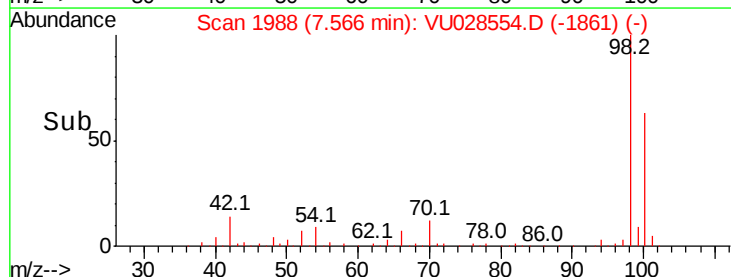
7.57

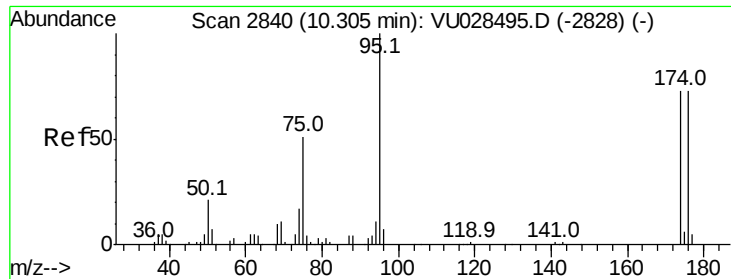
1000

500

0

Time-->

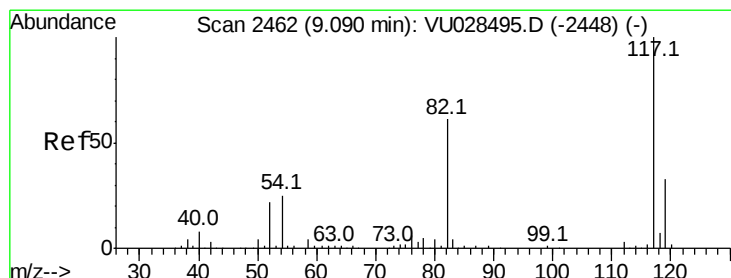
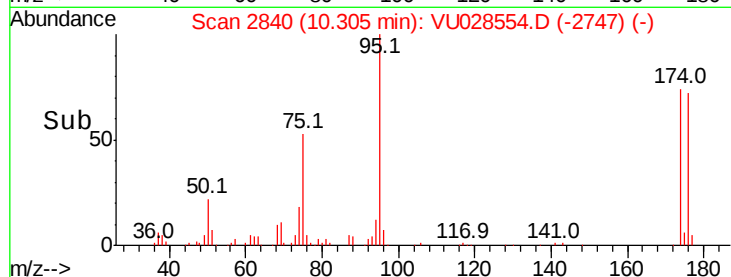
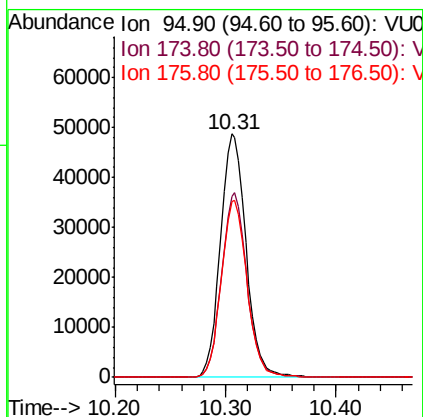
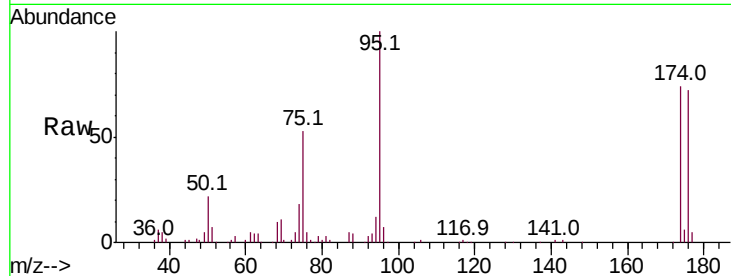




#62
4-Bromofluorobenzene
Concen: 50.457 ug/l
RT: 10.31 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU028554.D
Acq: 10 Dec 2018 16:23

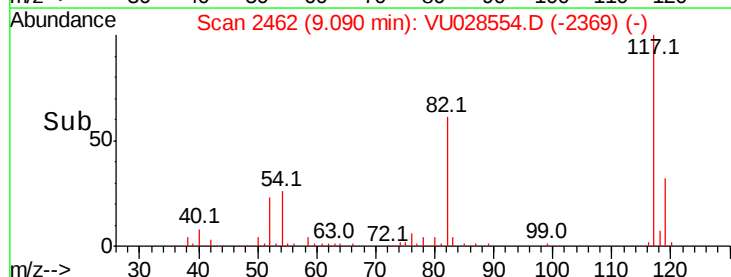
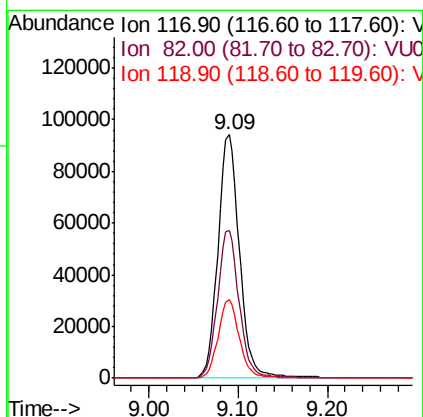
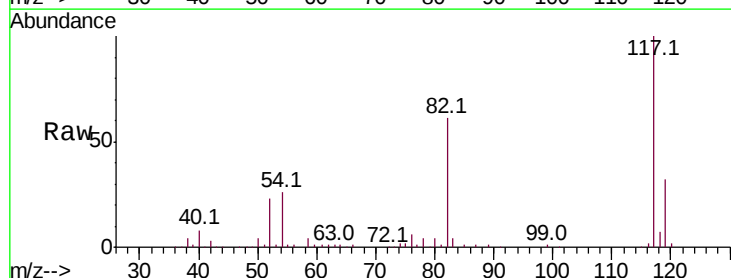
Instrument :
MSVOA_U
ClientSampleId :
RE-122D3-20181206

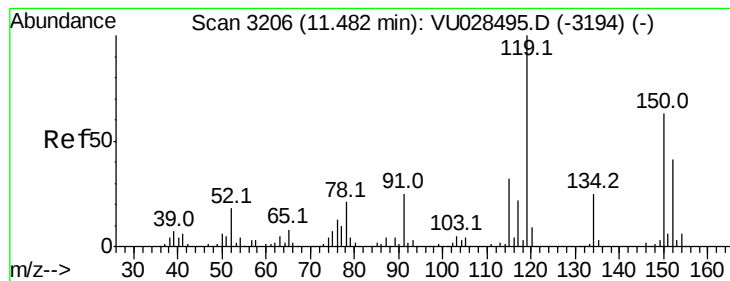
Tot Ion: 95 Resp: 78610
Ion Ratio Lower Upper
95 100
174 74.9 0.0 150.4
176 73.0 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028554.D
Acq: 10 Dec 2018 16:23

Tgt Ion: 117 Resp: 157456
Ion Ratio Lower Upper
117 100
82 60.8 48.9 73.3
119 32.2 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU028554.D

Acq: 10 Dec 2018 16:23

Instrument :

MSVOA_U

ClientSampleId :

RE-122D3-20181206

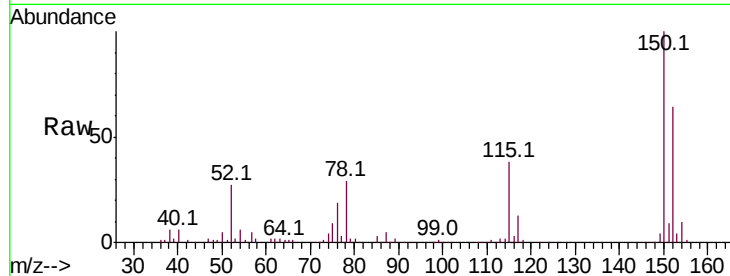
Tot Ion:152 Resp: 73394

Ion Ratio Lower Upper

152 100

115 59.8 42.7 128.1

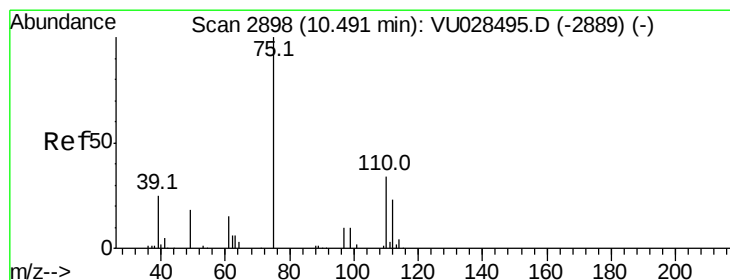
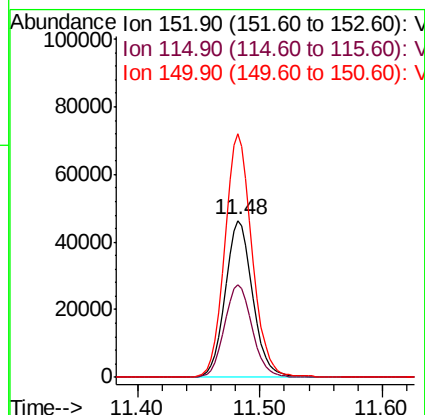
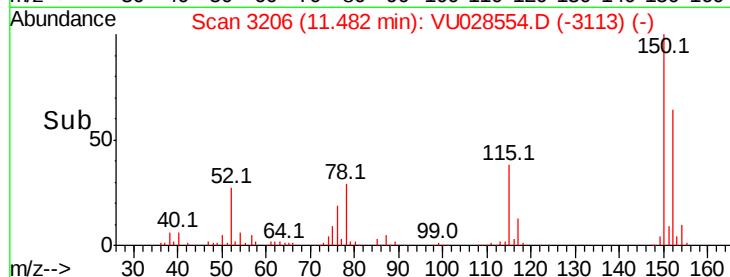
150 154.0 0.0 346.0



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: 22.123 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.18 min

Lab File: VU028554.D

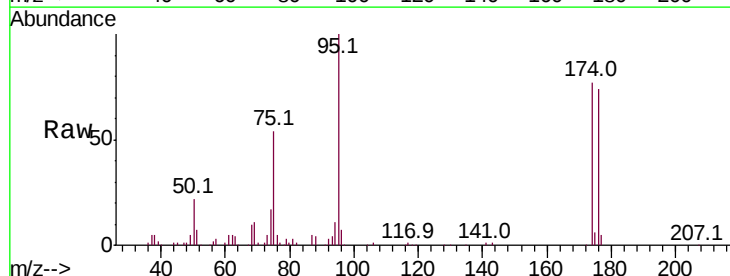
Acq: 10 Dec 2018 16:23

Tgt Ion: 75 Resp: 41462

Ion Ratio Lower Upper

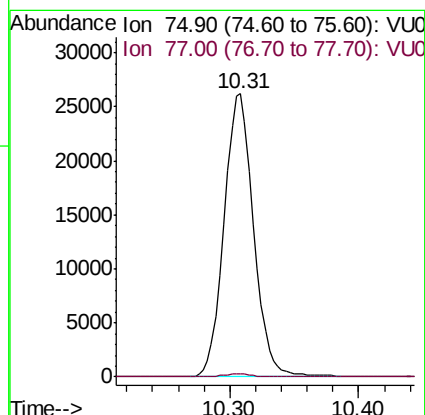
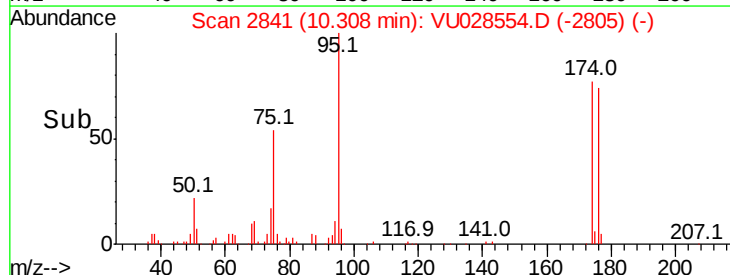
75 100

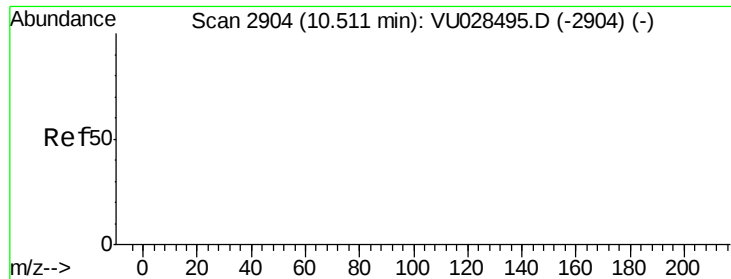
77 1.0 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 54.348 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028554.D

Acq: 10 Dec 2018 16:23

Instrument :

MSVOA_U

ClientSampleId :

RE-122D3-20181206

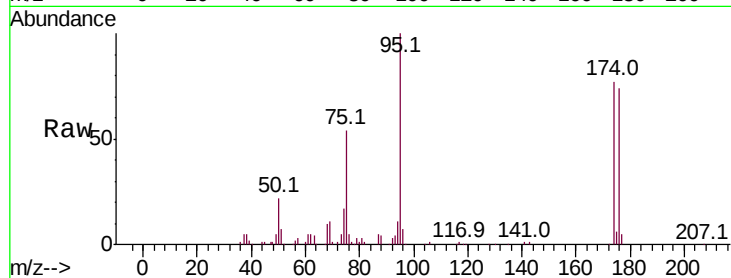
Tot Ion: 75 Resp: 41462

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

