

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028614.D
 Acq On : 11 Dec 2018 18:01
 Operator : MD/SY
 Sample : J6323-04DL 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-122D2-20181206DL

Quant Time: Dec 12 04:11:59 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	87491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	159261	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	145084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	57525	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	73613	55.13	ug/l	0.00
Spiked Amount			Recovery	=	110.26%	
35) Dibromofluoromethane	4.88	113	54231	54.11	ug/l	0.00
Spiked Amount			Recovery	=	108.22%	
50) Toluene-d8	7.57	98	209605	52.87	ug/l	0.00
Spiked Amount			Recovery	=	105.74%	
62) 4-Bromofluorobenzene	10.31	95	68537	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	

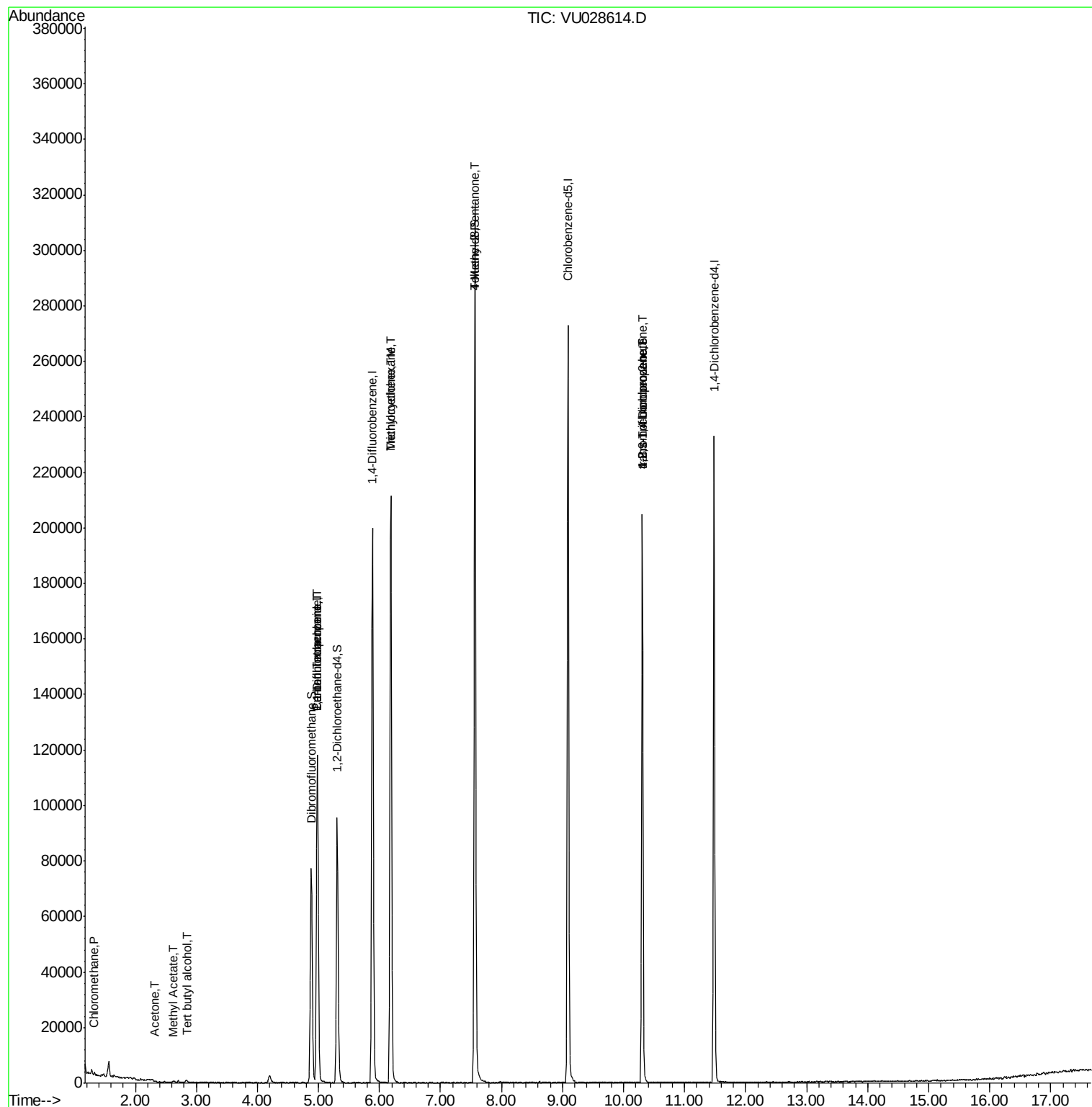
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1142	0.530	ug/l	97
11) Tert butyl alcohol	2.84	59	626	2.104	ug/l #	73
16) Acetone	2.32	43	498	0.572	ug/l #	44
18) Methyl Acetate	2.63	43	591	0.262	ug/l #	56
31) Cyclohexane	4.99	56	2047	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7817	4.485	ug/l #	50
38) Carbon Tetrachloride	4.98	117	8789	6.257	ug/l #	15
39) Methylcyclohexane	6.18	83	868	0.408	ug/l #	1
44) Trichloroethene	6.19	130	70261	61.563	ug/l	95
51) 4-Methyl-2-Pentanone	7.56	43	985	0.438	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	35707	24.308	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	35707	59.664	ug/l #	100

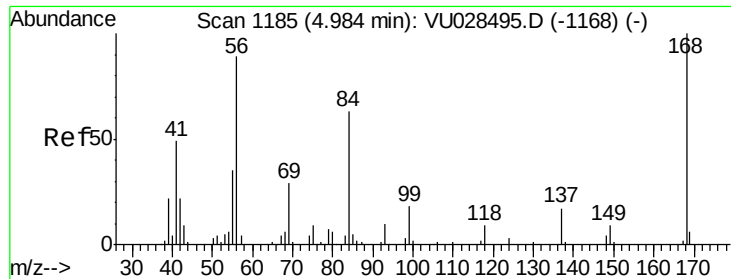
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121318\
Data File : VU028614.D
Acq On : 11 Dec 2018 18:01
Operator : MD/SY
Sample : J6323-04DL 50X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
RE-122D2-20181206DL

Quant Time: Dec 12 04:11:59 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

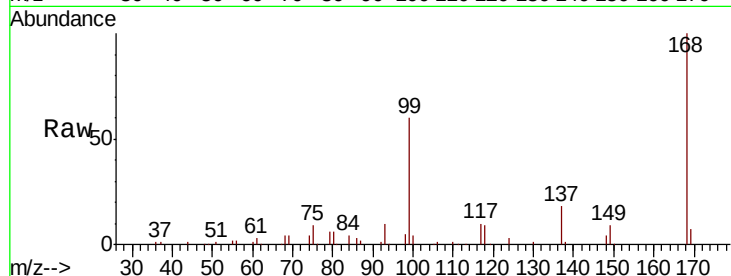




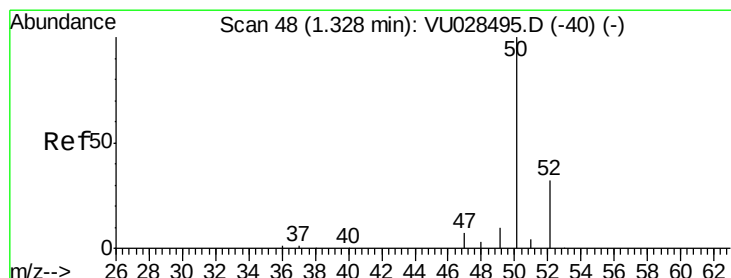
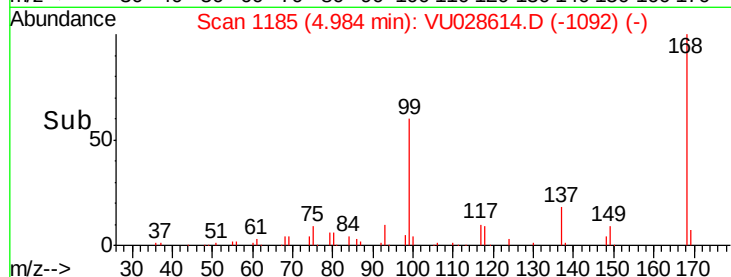
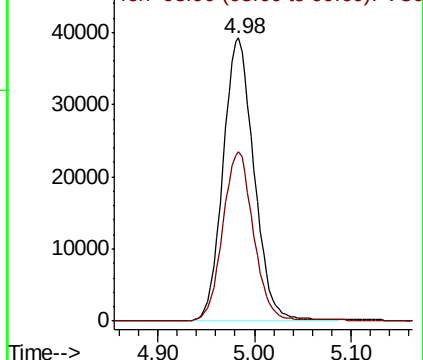
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.00 min
Lab File: VU028614.D
Acq: 11 Dec 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
RE-122D2-20181206DL

Tot Ion:168 Resp: 87491
Ion Ratio Lower Upper
168 100
99 60.0 46.6 69.8

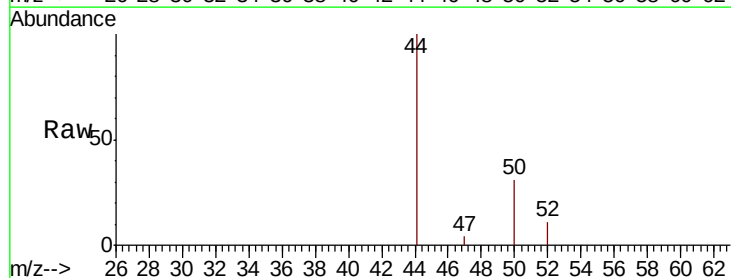


Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)
Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

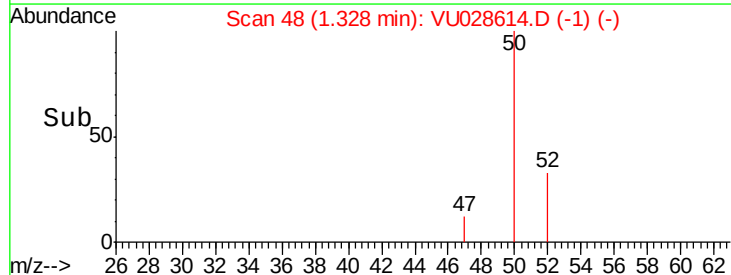
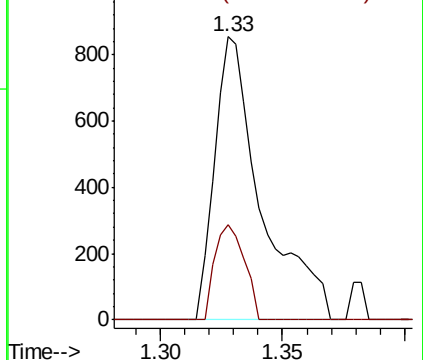


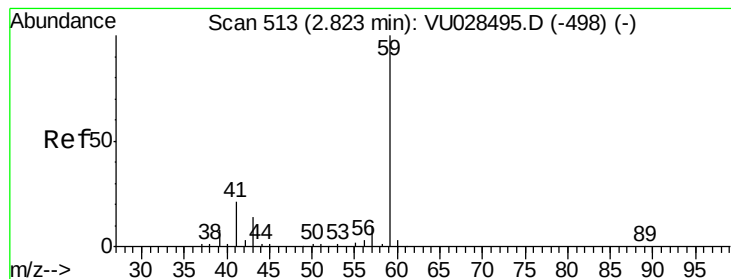
#3
Chloromethane
Concen: 0.530 ug/l
RT: 1.33 min Scan# 48
Delta R.T. -0.00 min
Lab File: VU028614.D
Acq: 11 Dec 2018 18:01

Tgt Ion: 50 Resp: 1142
Ion Ratio Lower Upper
50 100
52 33.5 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)
Ion 51.90 (51.60 to 52.60): VU028495.D (-40) (-)



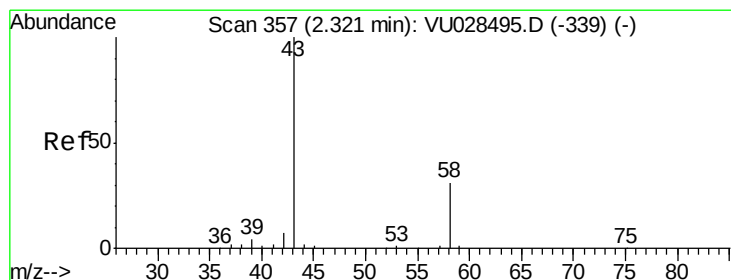
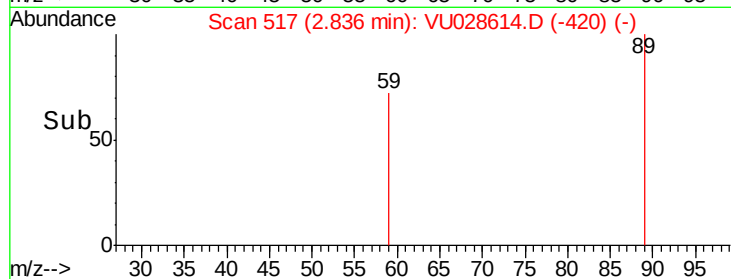
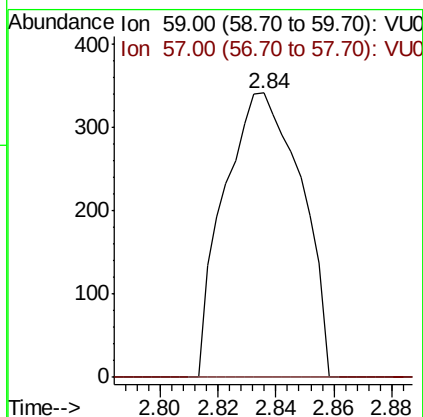
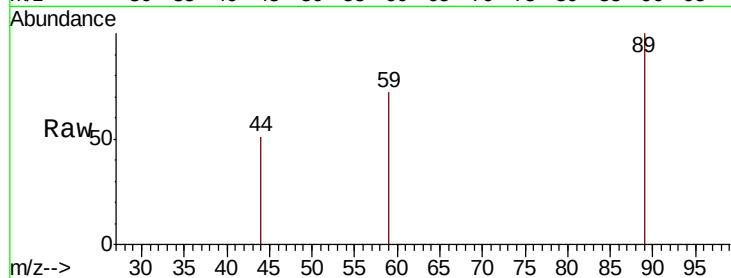


#11

Tert butyl alcohol
 Concen: 2.104 ug/l
 RT: 2.84 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: VU028614.D
 Acq: 11 Dec 2018 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-122D2-20181206DL

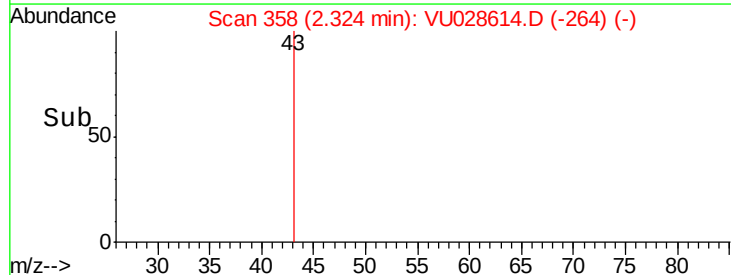
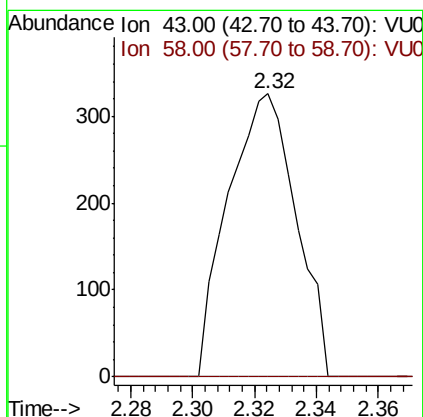
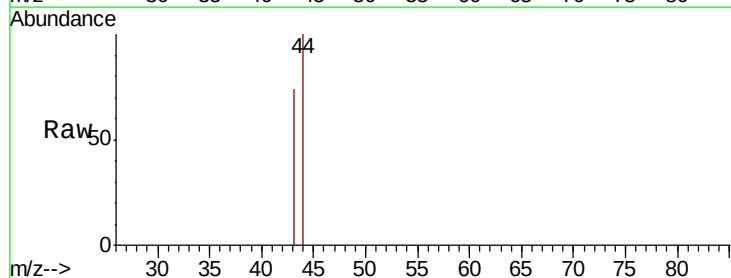
Tot Ion: 59 Resp: 626
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

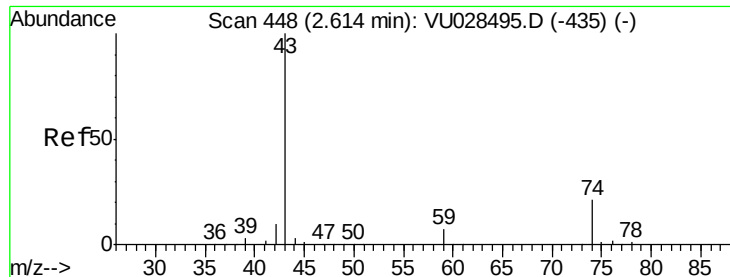


#16

Acetone
 Concen: 0.572 ug/l
 RT: 2.32 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VU028614.D
 Acq: 11 Dec 2018 18:01

Tgt Ion: 43 Resp: 498
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.6 37.0#

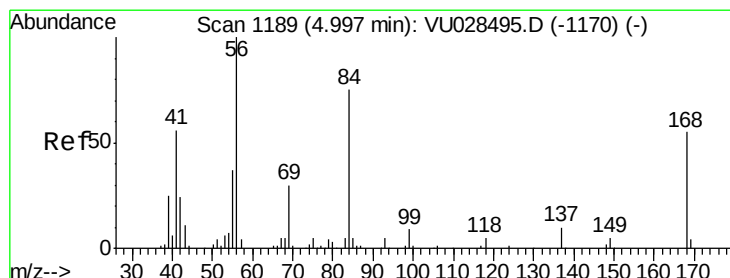
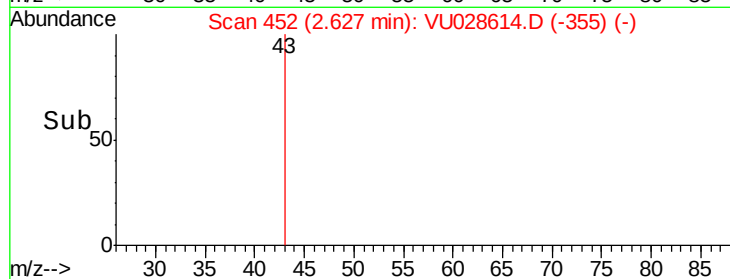
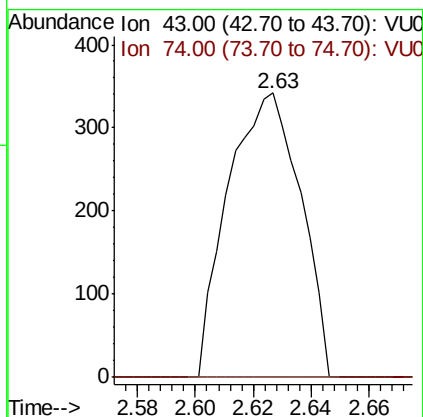
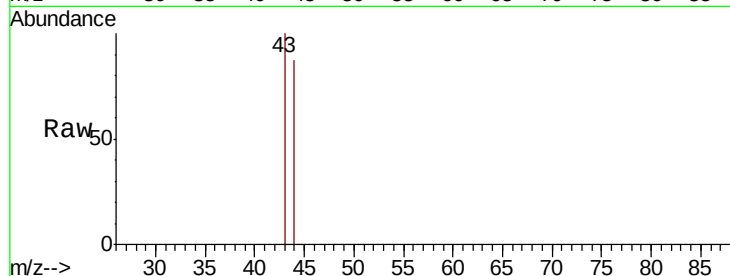




#18
Methvl Acetate
Concen: 0.262 ug/l
RT: 2.63 min Scan# 452
Delta R.T. 0.01 min
Lab File: VU028614.D
Acq: 11 Dec 2018 18:01

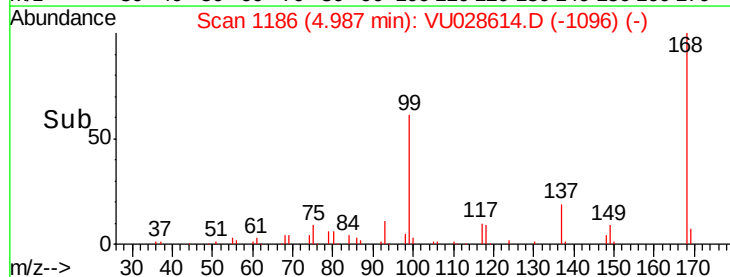
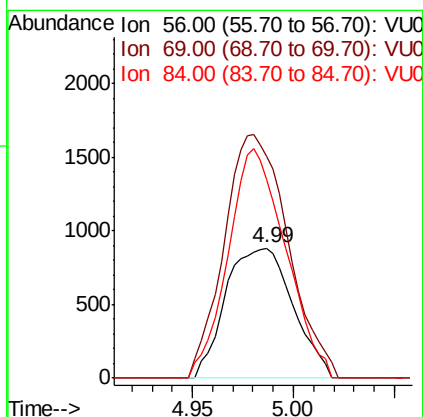
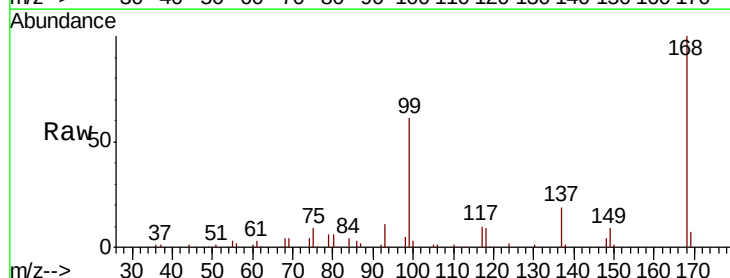
Instrument :
MSVOA_U
ClientSampleId :
RE-122D2-20181206DL

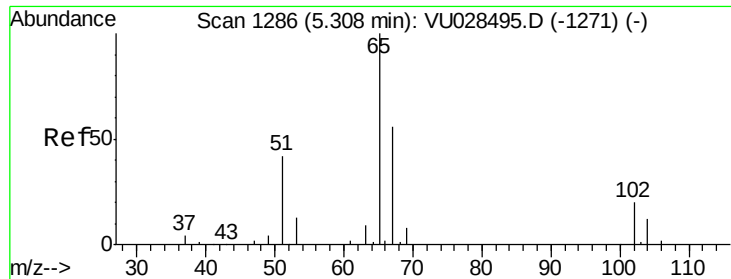
Tot Ion: 43 Resp: 591
Ion Ratio Lower Upper
43 100
74 0.0 16.4 24.6#



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU028614.D
Acq: 11 Dec 2018 18:01

Tgt Ion: 56 Resp: 2047
Ion Ratio Lower Upper
56 100
69 171.1 24.0 36.0#
84 153.1 59.7 89.5#

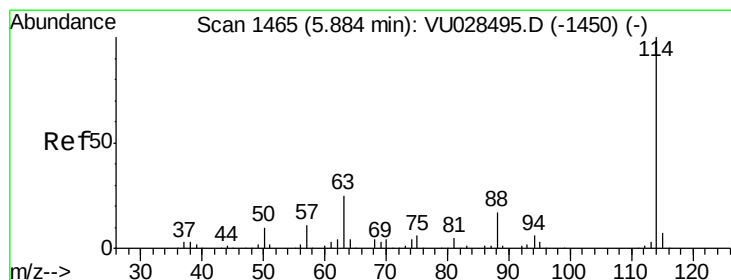
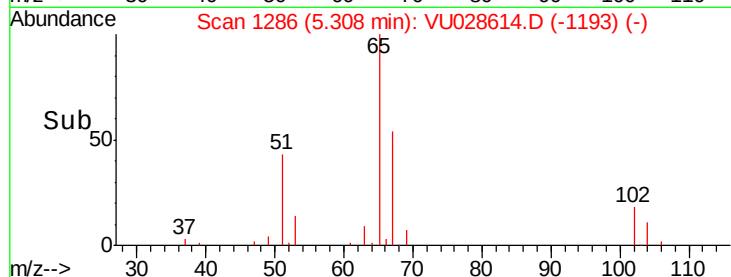
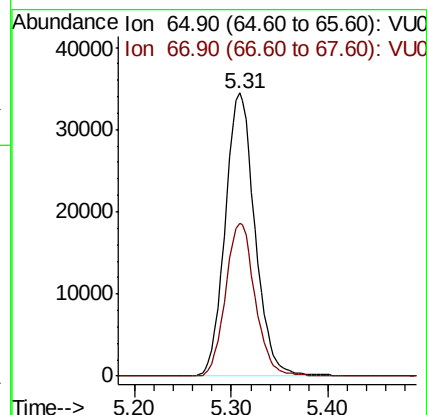
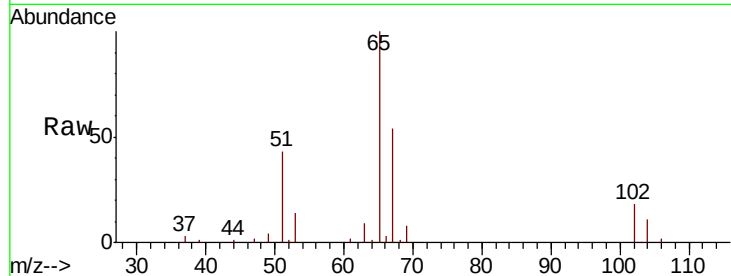




#33
 1,2-Dichloroethane-d4
 Concen: 55.134 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028614.D
 Acq: 11 Dec 2018 18:01

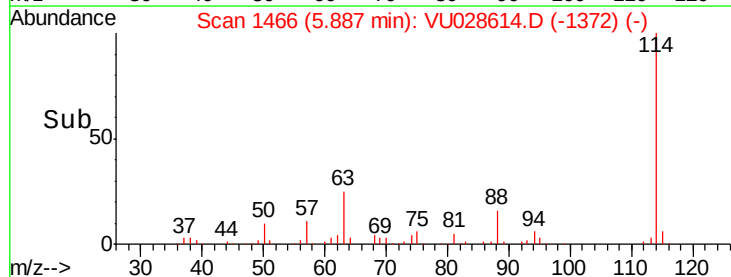
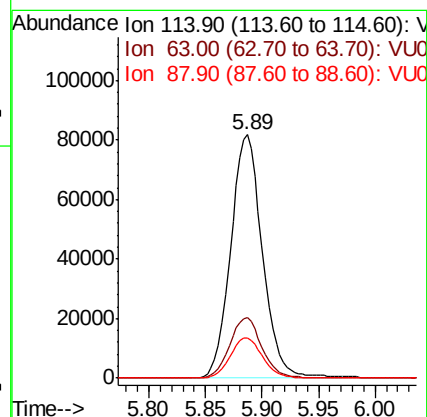
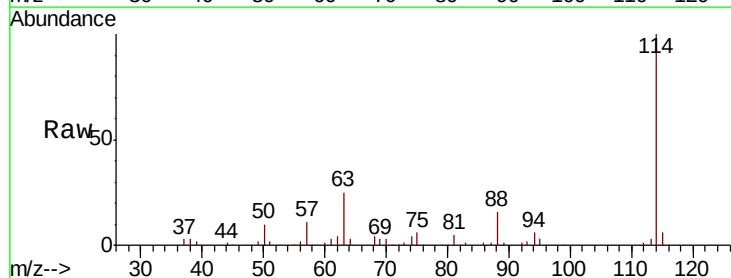
Instrument :
 MSVOA_U
 ClientSampleId :
 RE-122D2-20181206DL

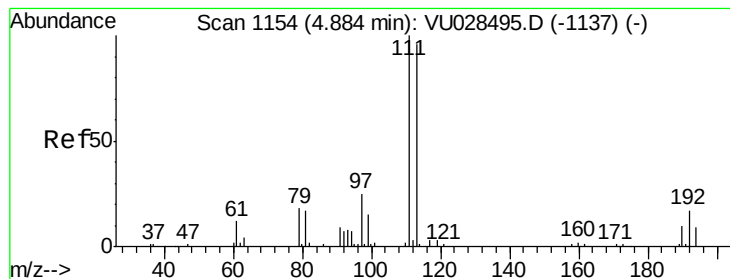
Tot Ion: 65 Resp: 73613
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028614.D
 Acq: 11 Dec 2018 18:01

Tgt Ion: 114 Resp: 159261
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.2
 88 16.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 54.110 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU028614.D

Acq: 11 Dec 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

RE-122D2-20181206DL

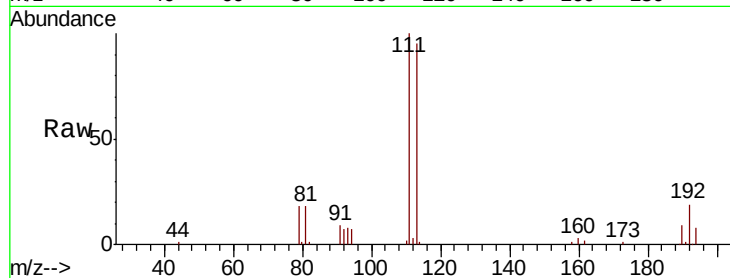
Tot Ion:113 Resp: 54231

Ion Ratio Lower Upper

113 100

111 103.9 83.4 125.0

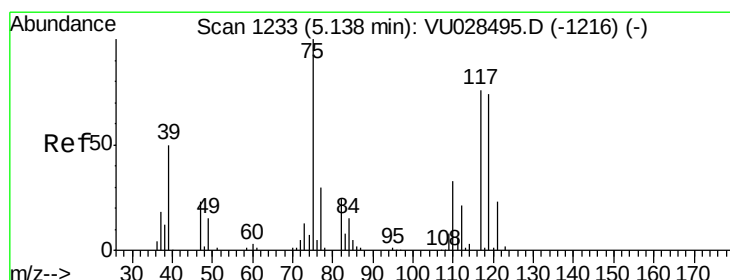
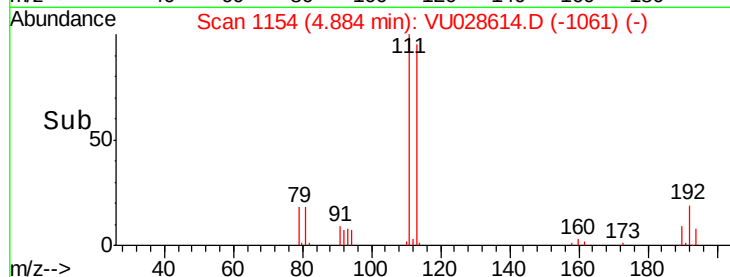
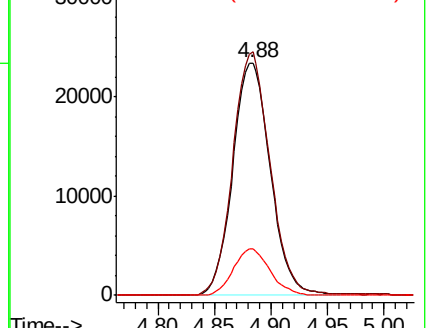
192 19.3 14.8 22.2



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: 4.485 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028614.D

Acq: 11 Dec 2018 18:01

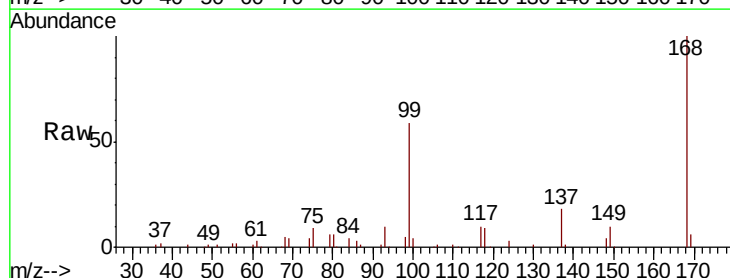
Tgt Ion: 75 Resp: 7817

Ion Ratio Lower Upper

75 100

110 7.2 16.1 48.2#

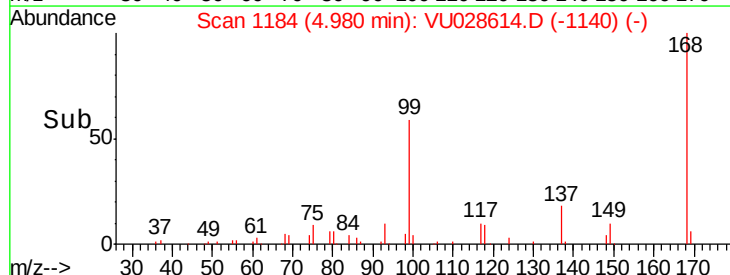
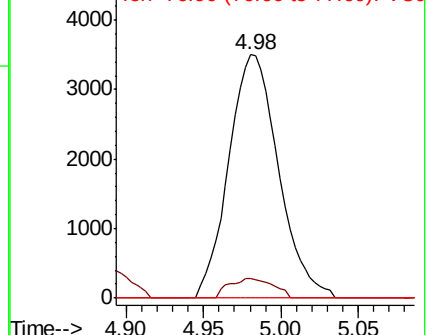
77 0.0 24.5 36.7#

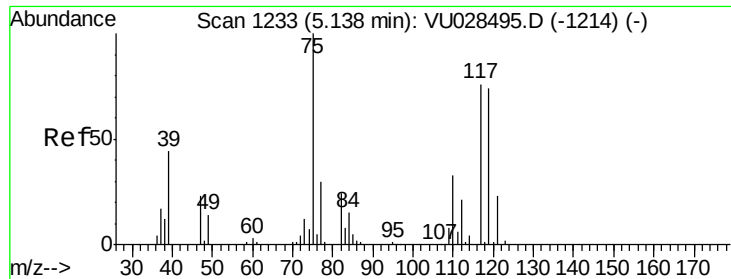


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 6.257 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028614.D

Acq: 11 Dec 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

RE-122D2-20181206DL

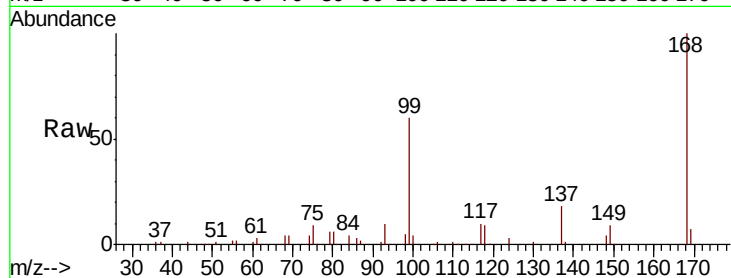
Tot Ion:117 Resp: 8789

Ion Ratio Lower Upper

117 100

119 4.2 77.6 116.4#

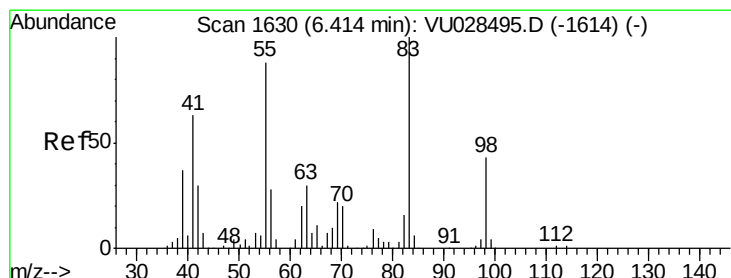
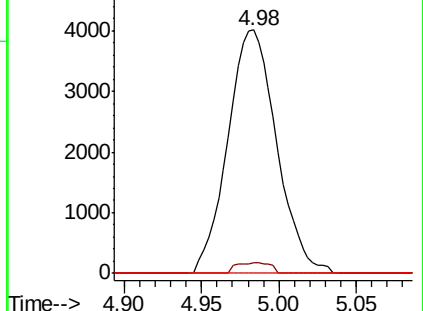
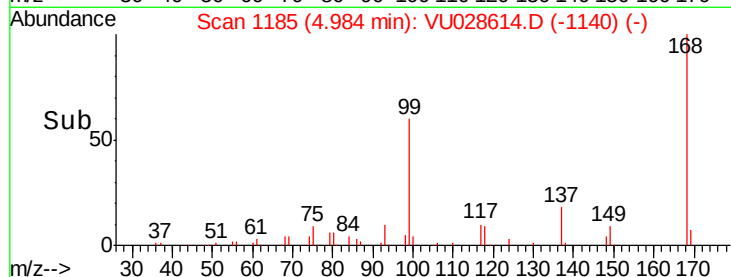
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.408 ug/l

RT: 6.18 min Scan# 1557

Delta R.T. -0.23 min

Lab File: VU028614.D

Acq: 11 Dec 2018 18:01

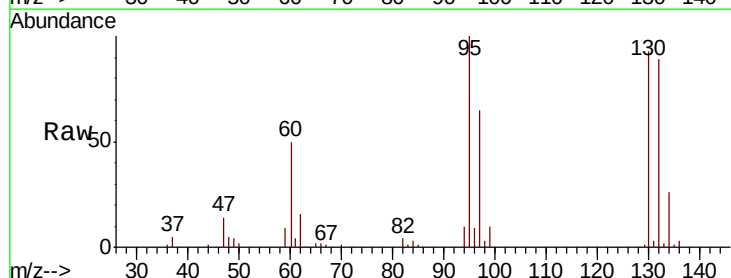
Tgt Ion: 83 Resp: 868

Ion Ratio Lower Upper

83 100

55 0.0 70.2 105.2#

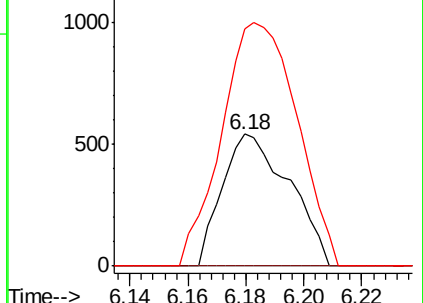
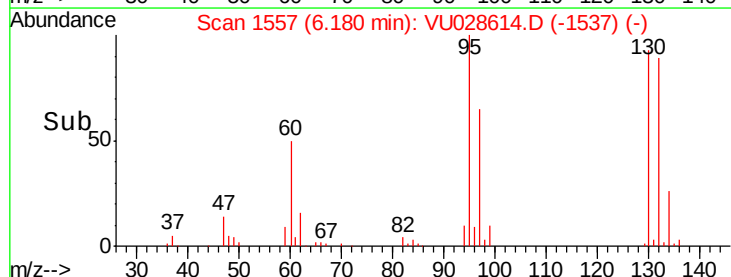
98 179.5 34.2 51.4#

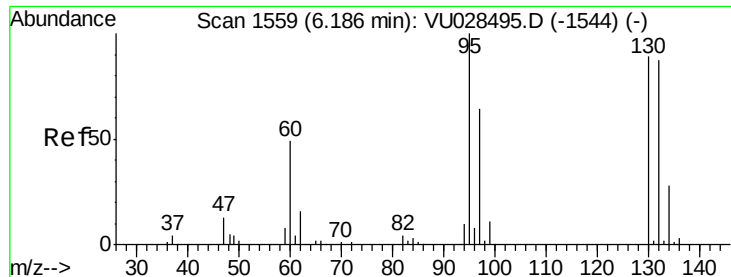


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#44

Trichloroethene

Concen: 61.563 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028614.D

Acq: 11 Dec 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

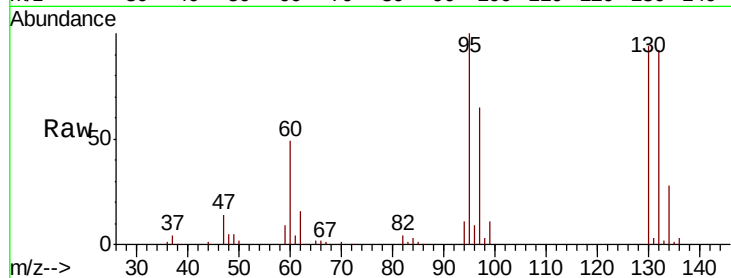
RE-122D2-20181206DL

Tot Ion:130 Resp: 70261

Ion Ratio Lower Upper

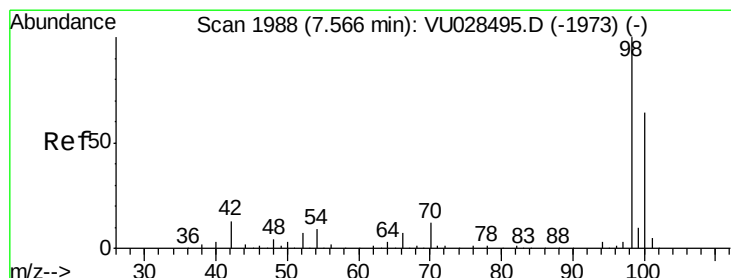
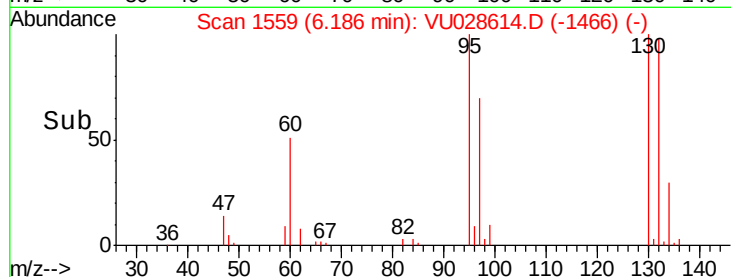
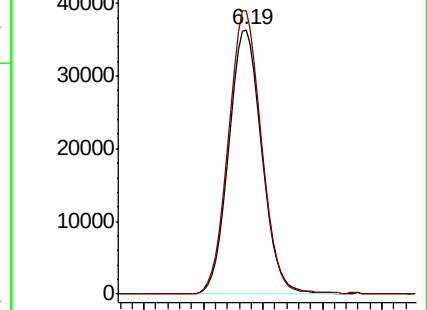
130 100

95 106.9 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028495.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028495.D (-1544) (-)



#50

Toluene-d8

Concen: 52.868 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028614.D

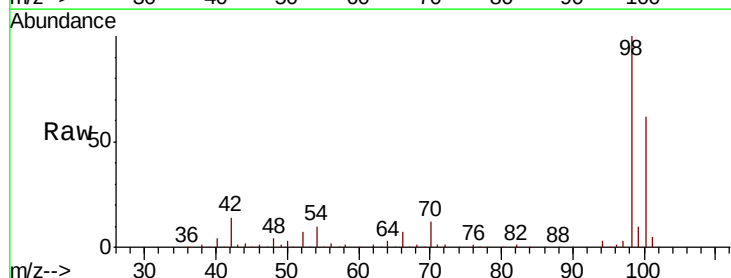
Acq: 11 Dec 2018 18:01

Tgt Ion: 98 Resp: 209605

Ion Ratio Lower Upper

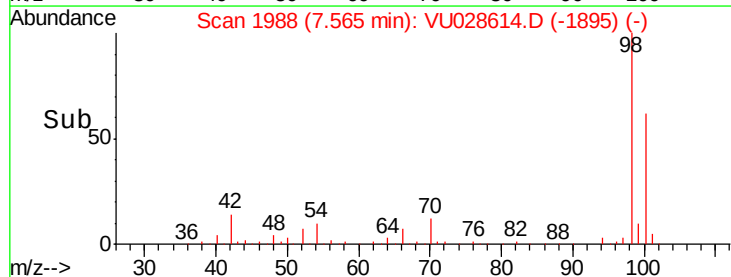
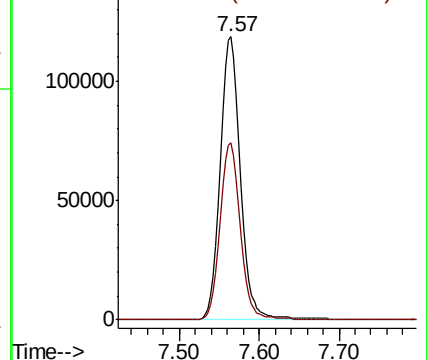
98 100

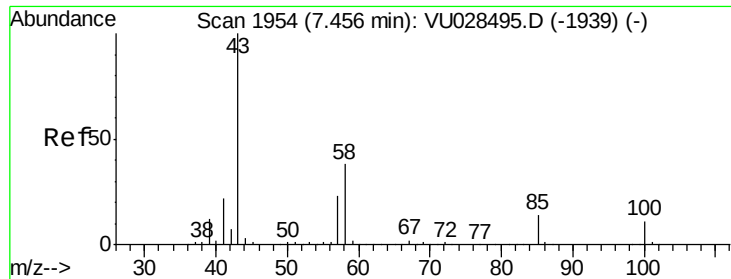
100 62.5 51.0 76.6



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

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





#51

4-Methyl-2-Pentanone

Concen: 0.438 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.11 min

Lab File: VU028614.D

Acq: 11 Dec 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

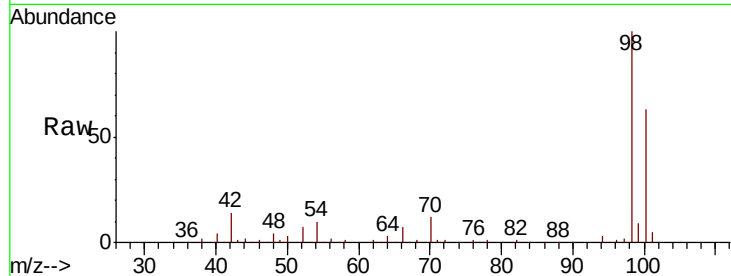
RE-122D2-20181206DL

Tot Ion: 43 Resp: 985

Ion Ratio Lower Upper

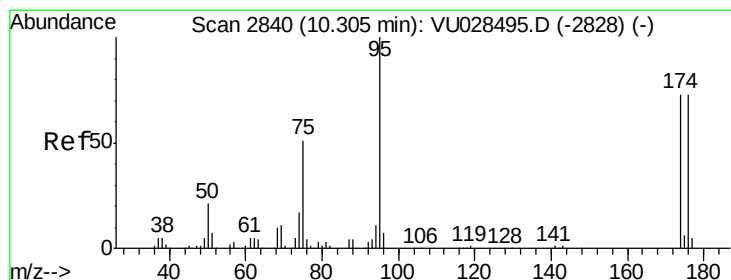
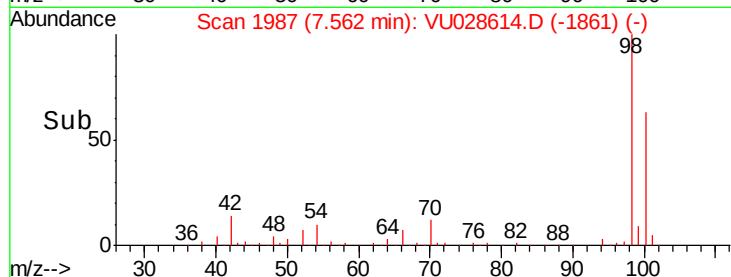
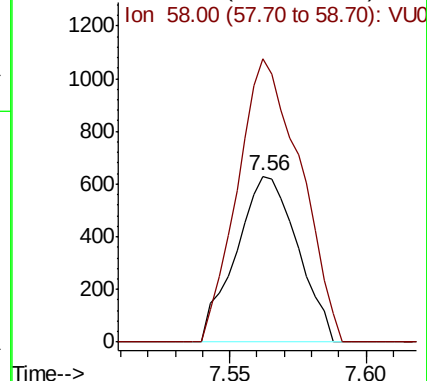
43 100

58 174.9 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 46.251 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028614.D

Acq: 11 Dec 2018 18:01

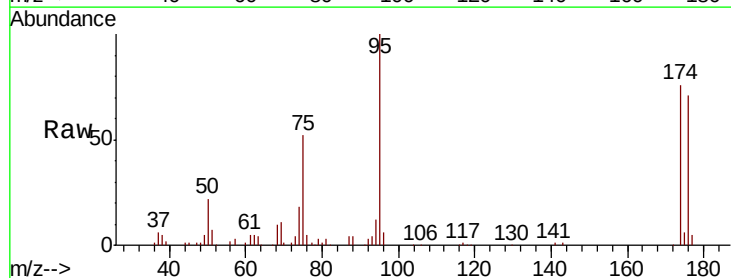
Tgt Ion: 95 Resp: 68537

Ion Ratio Lower Upper

95 100

174 76.4 0.0 150.4

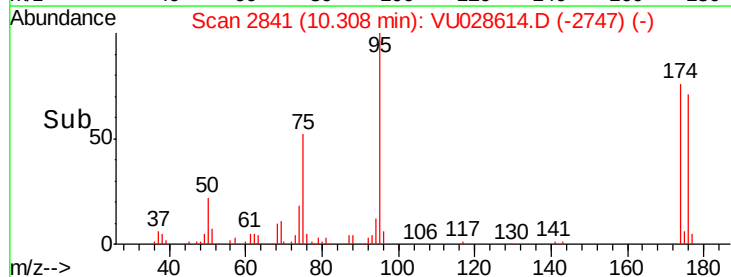
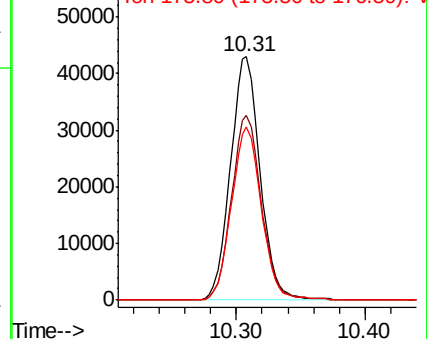
176 71.9 0.0 145.2

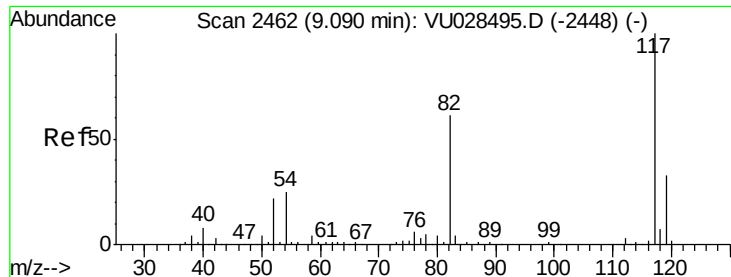


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

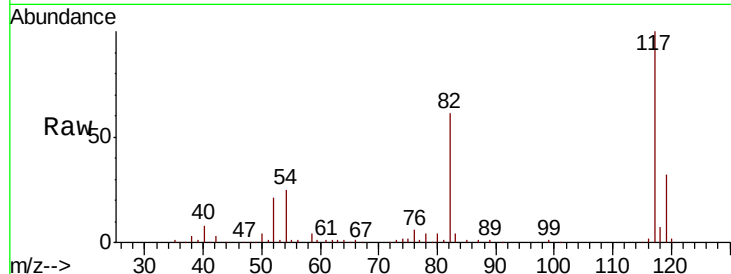




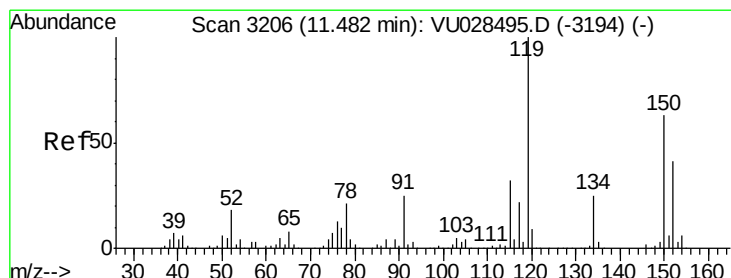
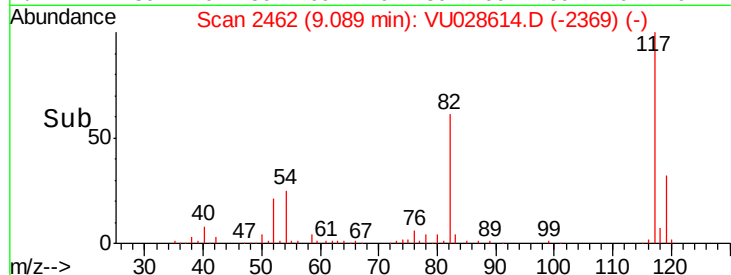
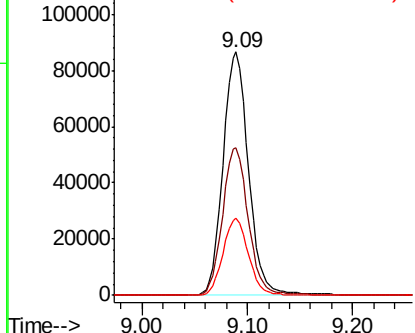
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028614.D
Acq: 11 Dec 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
RE-122D2-20181206DL

Tot Ion:117 Resp: 145084
Ion Ratio Lower Upper
117 100
82 60.6 48.9 73.3
119 31.5 26.2 39.4

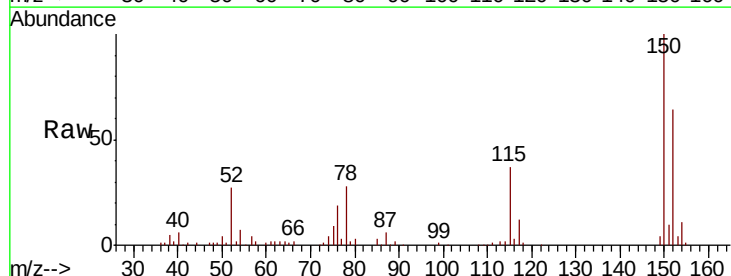


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

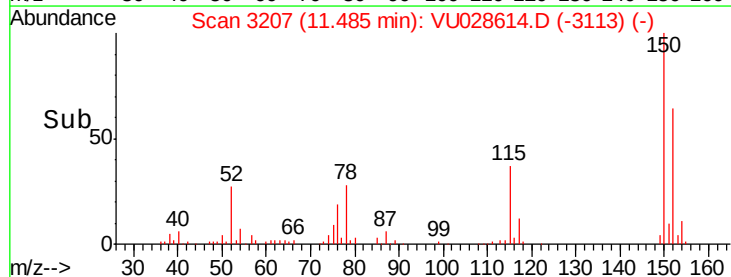
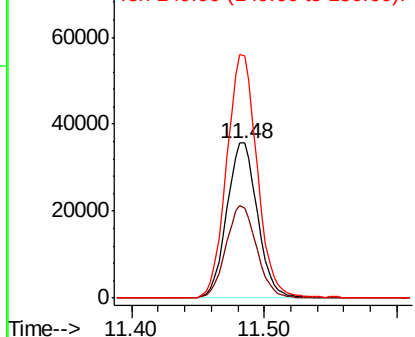


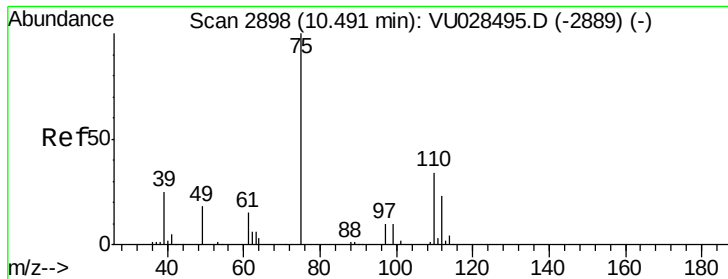
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU028614.D
Acq: 11 Dec 2018 18:01

Tgt Ion:152 Resp: 57525
Ion Ratio Lower Upper
152 100
115 59.5 42.7 128.1
150 155.3 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: 24.308 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.18 min

Lab File: VU028614.D

Acq: 11 Dec 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

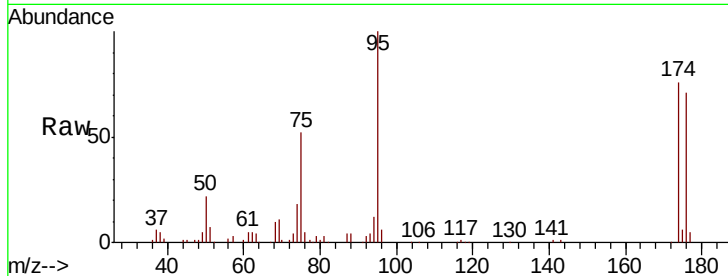
RE-122D2-20181206DL

Tot Ion: 75 Resp: 35707

Ion Ratio Lower Upper

75 100

77 0.9 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

25000

20000

15000

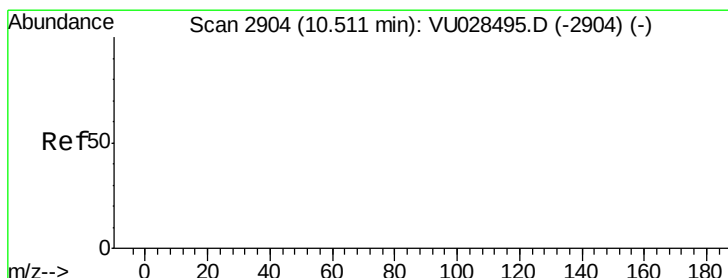
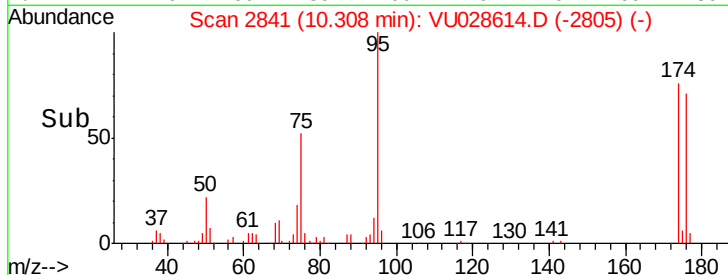
10000

5000

0

10.25 10.30 10.35 10.40

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 59.664 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028614.D

Acq: 11 Dec 2018 18:01

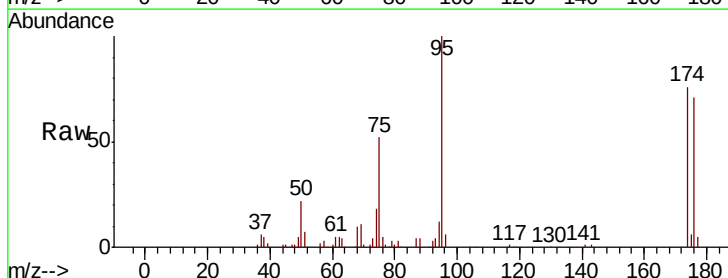
Tgt Ion: 75 Resp: 35707

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

30000

25000

20000

15000

10000

5000

0

10.25 10.30 10.35 10.40

Time-->

