

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121318\
 Data File : VU028615.D
 Acq On : 11 Dec 2018 18:26
 Operator : MD/SY
 Sample : J6323-03DL 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-122D1-20181206DL

Quant Time: Dec 12 04:12:10 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	86611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	161247	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	143881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	55768	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	72246	54.66	ug/l	0.00
Spiked Amount			Recovery	=	109.32%	
35) Dibromofluoromethane	4.88	113	54056	53.27	ug/l	0.00
Spiked Amount			Recovery	=	106.54%	
50) Toluene-d8	7.56	98	206846	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	10.30	95	67712	45.13	ug/l	0.00
Spiked Amount			Recovery	=	90.26%	

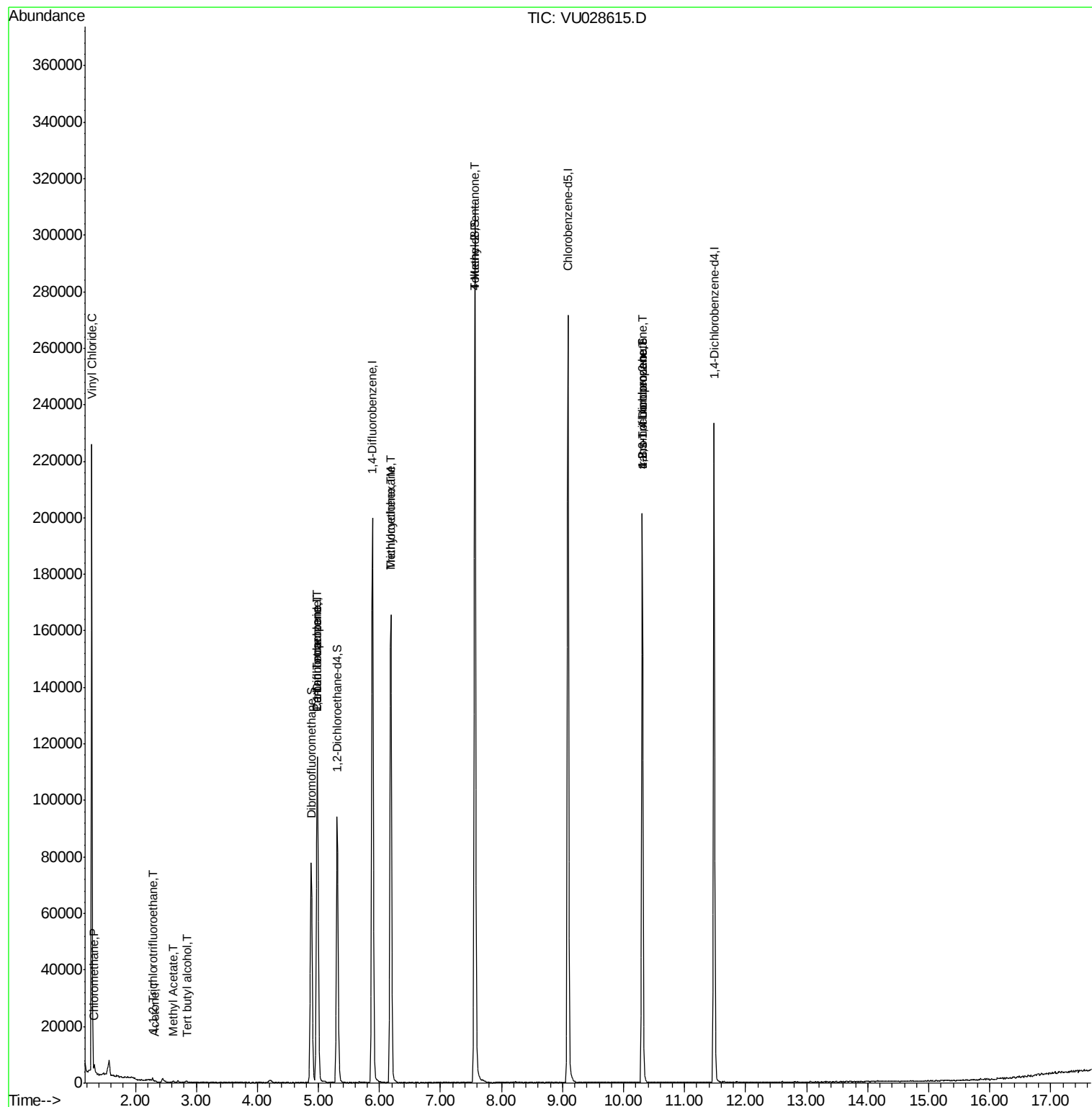
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	2098	0.983	ug/l	94
4) Vinyl Chloride	1.29	62	1859	1.207	ug/l #	43
9) 1,1,2-Trichlorotrifluoroet	2.29	101	206	0.213	ug/l #	57
11) Tert butyl alcohol	2.83	59	281	0.954	ug/l #	73
16) Acetone	2.32	43	326	0.378	ug/l #	44
18) Methyl Acetate	2.62	43	639	0.286	ug/l #	56
31) Cyclohexane	4.98	56	1981	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7584	4.298	ug/l #	50
38) Carbon Tetrachloride	4.98	117	8718	6.130	ug/l #	15
39) Methylcyclohexane	6.18	83	782	0.363	ug/l #	1
44) Trichloroethene	6.19	130	53890	46.637	ug/l	98
51) 4-Methyl-2-Pentanone	7.56	43	1045	0.459	ug/l #	1
76) 1,2,3-Trichloropropane	10.30	75	34792	24.432	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	34792	59.964	ug/l #	100

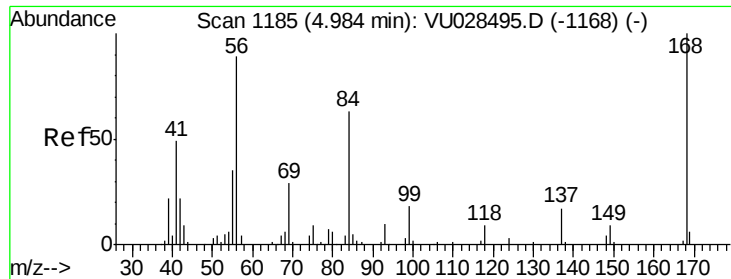
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028615.D

Acq: 11 Dec 2018 18:26

Instrument :

MSVOA_U

ClientSampleId :

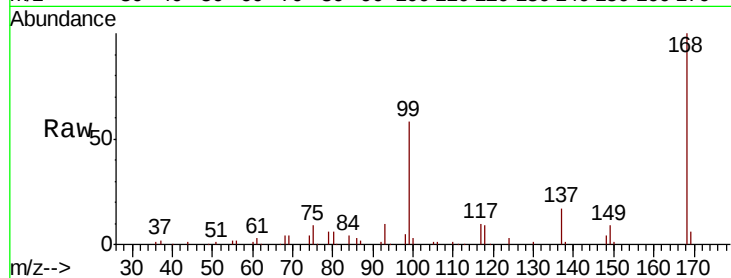
RE-122D1-20181206DL

Tot Ion:168 Resp: 86611

Ion Ratio Lower Upper

168 100

99 57.9 46.6 69.8



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

Ion 98.90 (98.60 to 99.60): VU028615.D (-1092) (-)

4.98

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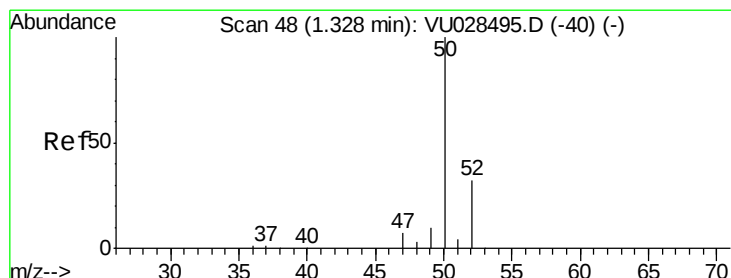
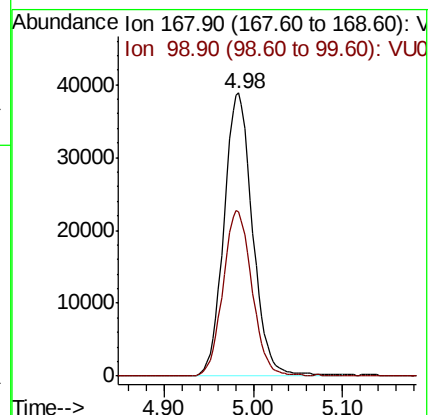
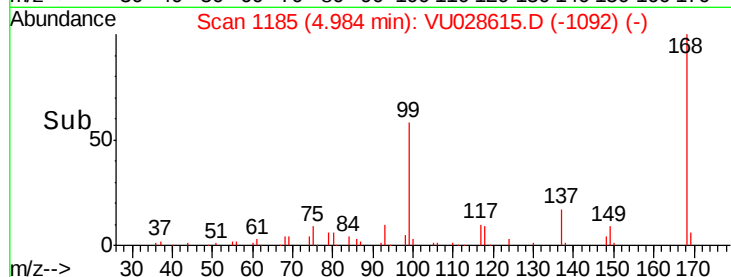
4.98

4.98

4.98

4.98

4.98



#3

Chloromethane

Concen: 0.983 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028615.D

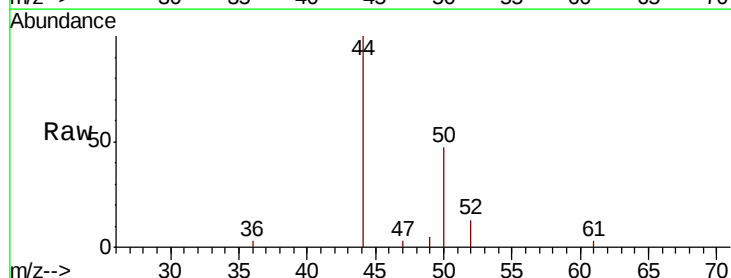
Acq: 11 Dec 2018 18:26

Tgt Ion: 50 Resp: 2098

Ion Ratio Lower Upper

50 100

52 28.5 25.5 38.3



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

Ion 51.90 (51.60 to 52.60): VU028615.D (-1) (-)

1.33

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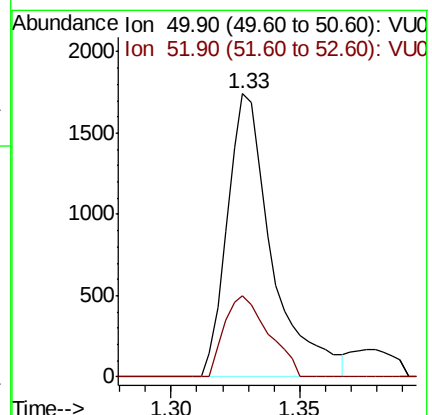
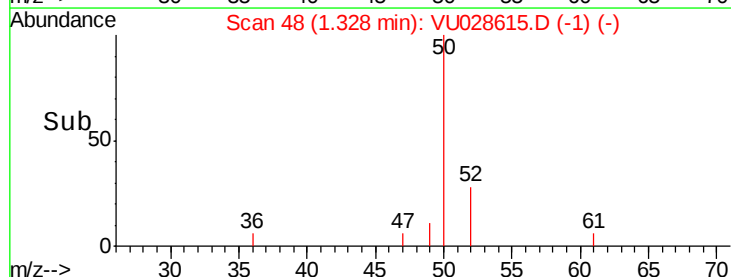
1.33

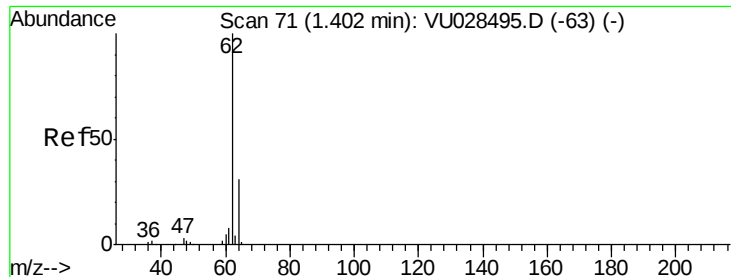
1.33

1.33

1.33

1.33





#4

Vinyl Chloride

Concen: 1.207 ug/l

RT: 1.29 min Scan# 35

Delta R.T. -0.12 min

Lab File: VU028615.D

Acq: 11 Dec 2018 18:26

Instrument :

MSVOA_U

ClientSampleId :

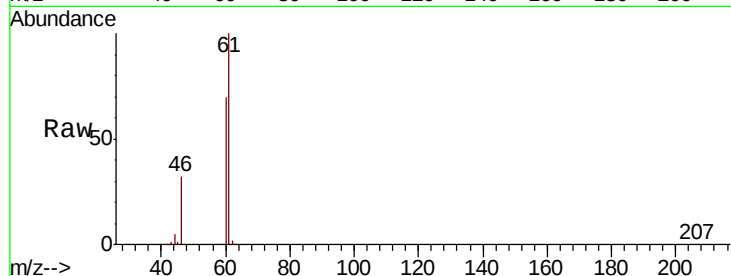
RE-122D1-20181206DL

Tot Ion: 62 Resp: 1859

Ion Ratio Lower Upper

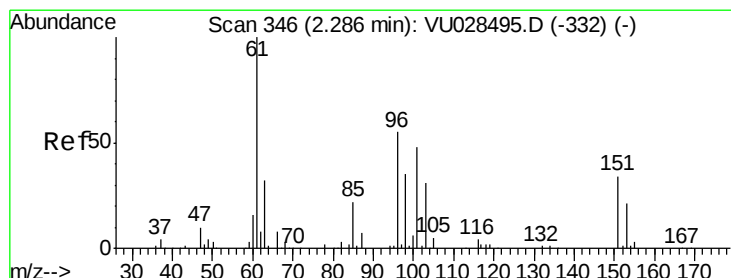
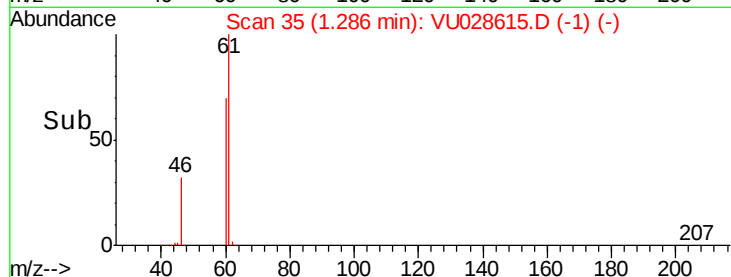
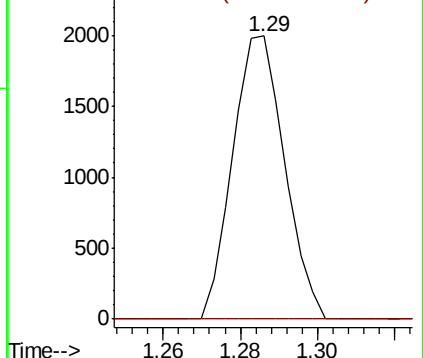
62 100

64 0.0 25.1 37.7#



Abundance Ion 61.90 (61.60 to 62.60): VU028615.D (-1) (-)

Ion 63.90 (63.60 to 64.60): VU028615.D (-1) (-)



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.213 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028615.D

Acq: 11 Dec 2018 18:26

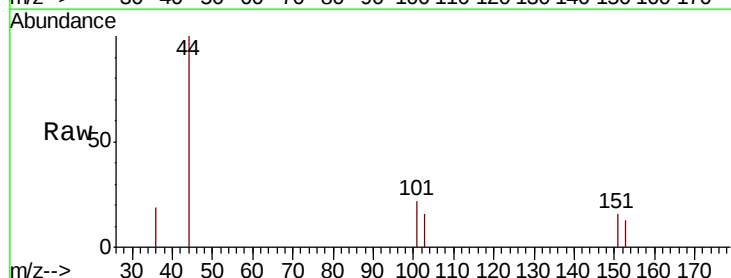
Tgt Ion: 101 Resp: 206

Ion Ratio Lower Upper

101 100

85 0.0 36.4 54.6#

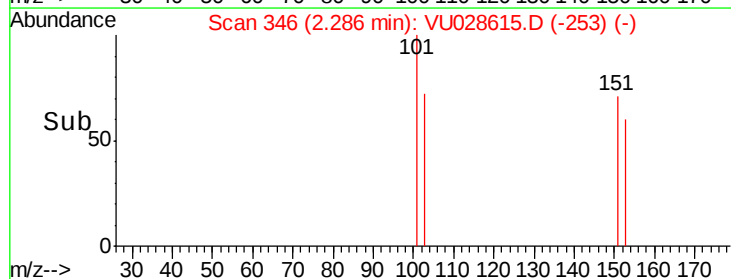
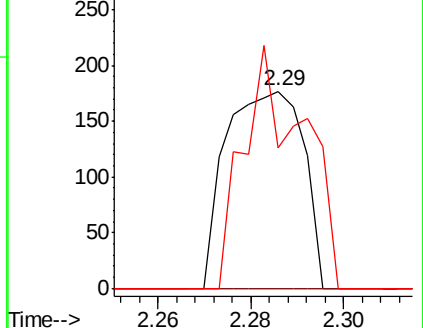
151 94.7 58.2 87.2#

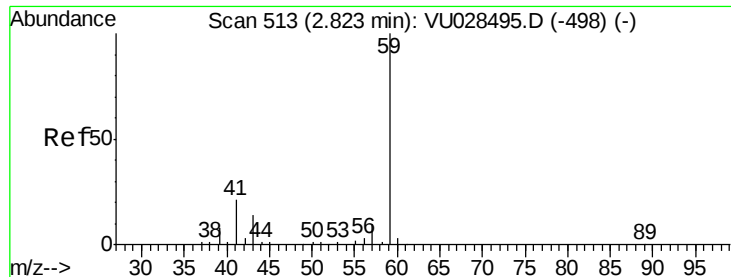


Abundance Ion 100.90 (100.60 to 101.60): VU028615.D (-253) (-)

Ion 84.90 (84.60 to 85.60): VU028615.D (-253) (-)

Ion 150.80 (150.50 to 151.50): VU028615.D (-253) (-)

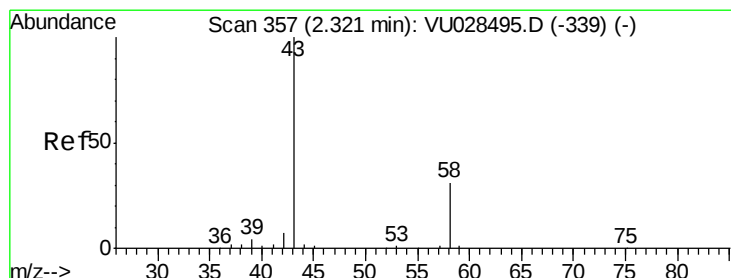
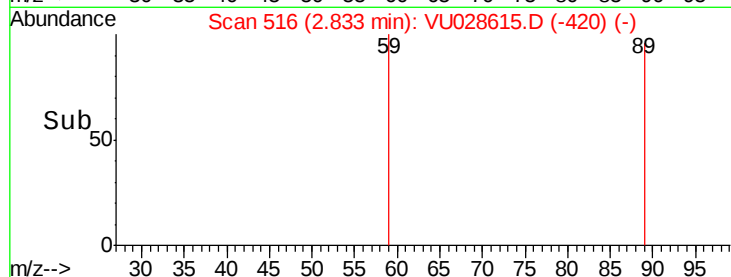
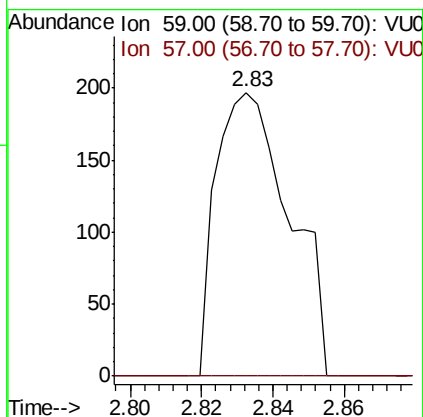
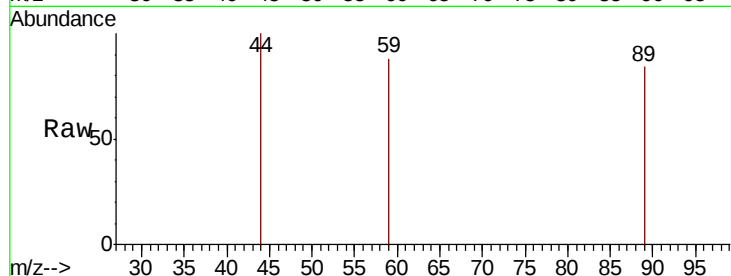




#11
Tert butyl alcohol
Concen: 0.954 ug/l
RT: 2.83 min Scan# 516
Delta R.T. 0.01 min
Lab File: VU028615.D
Acq: 11 Dec 2018 18:26

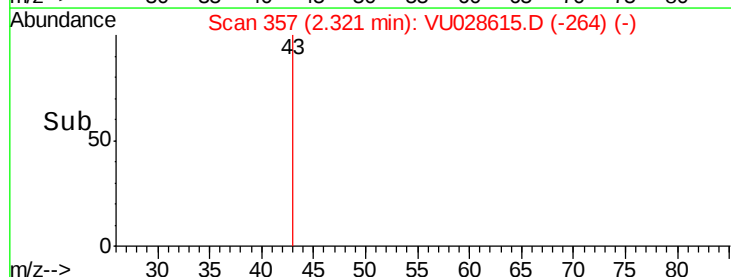
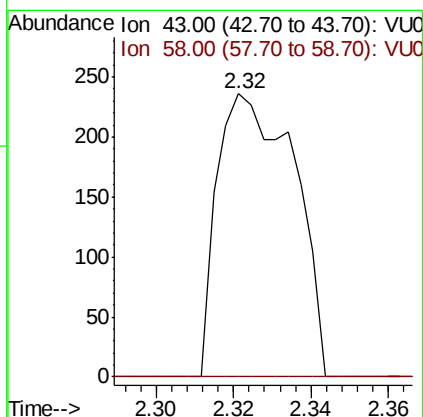
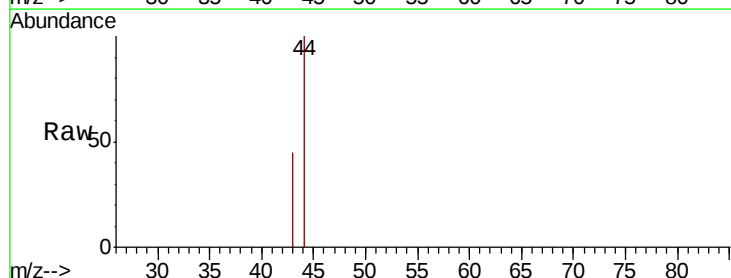
Instrument :
MSVOA_U
ClientSampleId :
RE-122D1-20181206DL

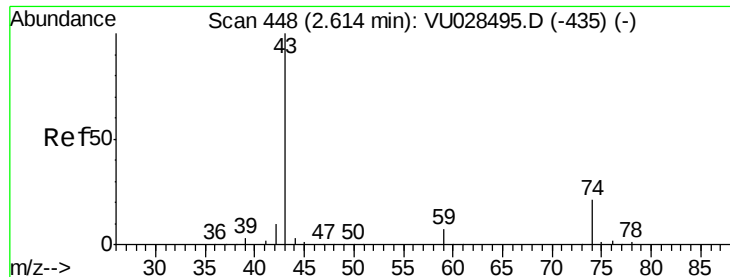
Tot Ion: 59 Resp: 281
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#16
Acetone
Concen: 0.378 ug/l
RT: 2.32 min Scan# 357
Delta R.T. -0.00 min
Lab File: VU028615.D
Acq: 11 Dec 2018 18:26

Tgt Ion: 43 Resp: 326
Ion Ratio Lower Upper
43 100
58 0.0 24.6 37.0#

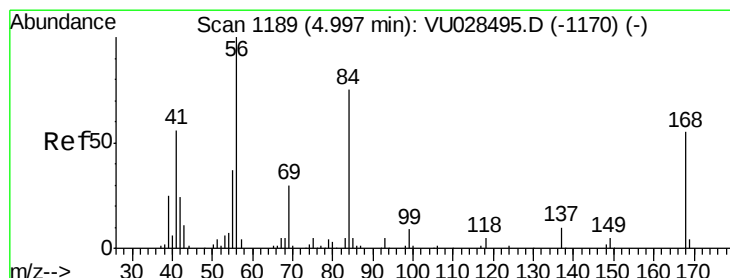
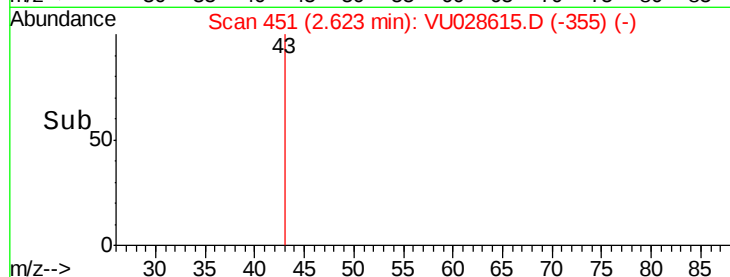
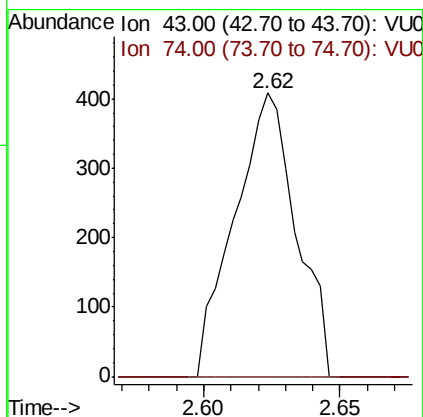
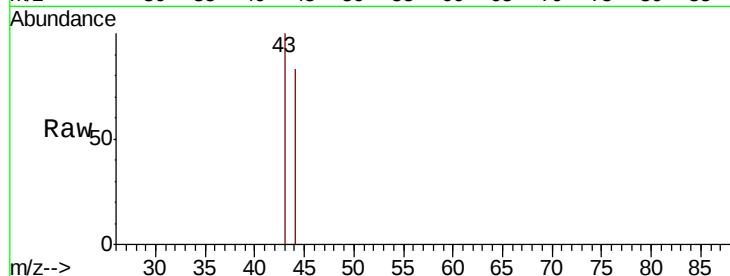




#18
Methvl Acetate
Concen: 0.286 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU028615.D
Acq: 11 Dec 2018 18:26

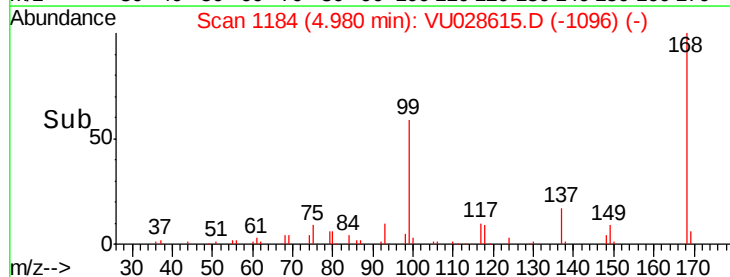
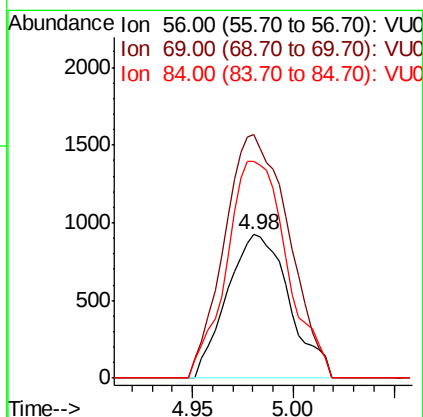
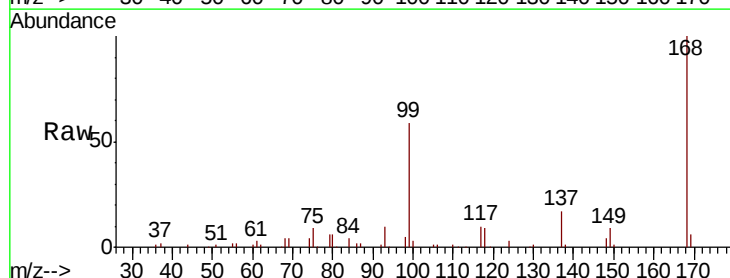
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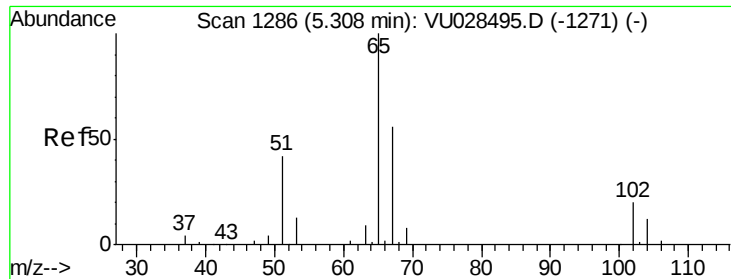
Tot Ion: 43 Resp: 639
Ion Ratio Lower Upper
43 100
74 0.0 16.4 24.6#



#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VU028615.D
Acq: 11 Dec 2018 18:26

Tgt Ion: 56 Resp: 1981
Ion Ratio Lower Upper
56 100
69 169.6 24.0 36.0#
84 151.0 59.7 89.5#

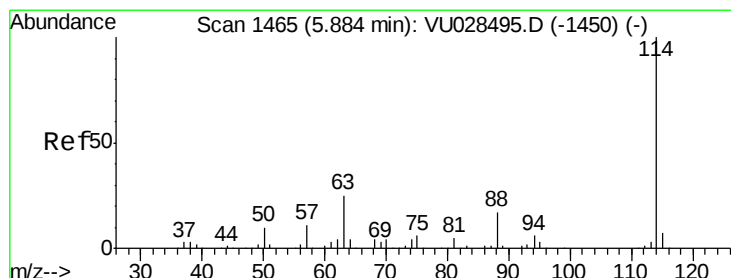
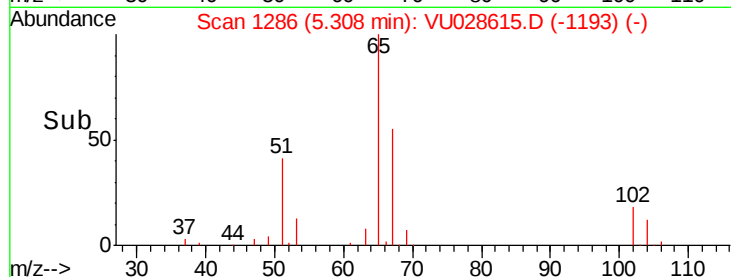
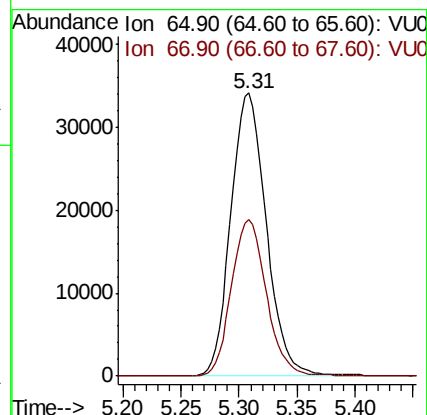
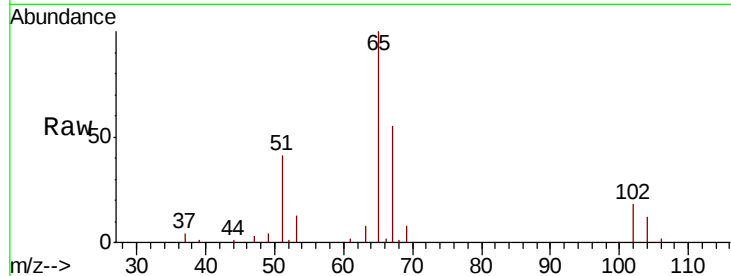




#33
 1,2-Dichloroethane-d4
 Concen: 54.660 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028615.D
 Acq: 11 Dec 2018 18:26

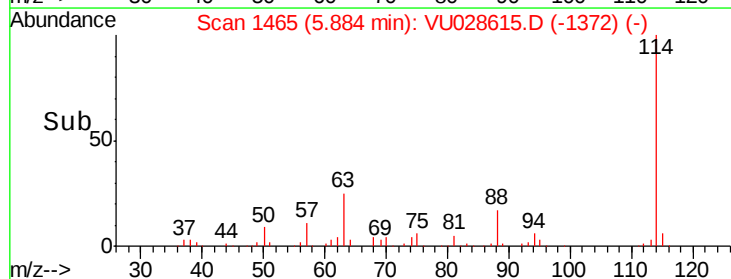
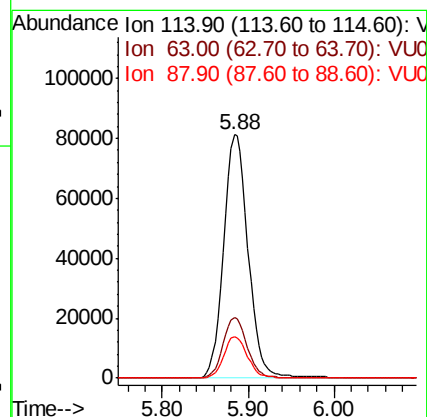
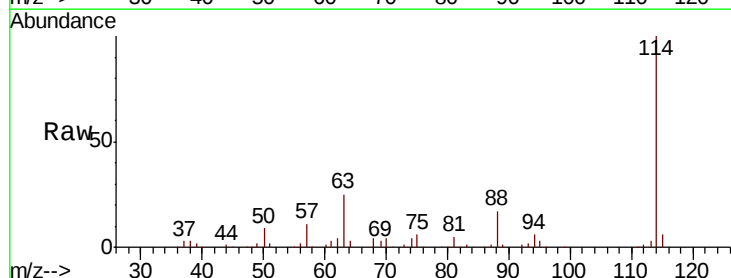
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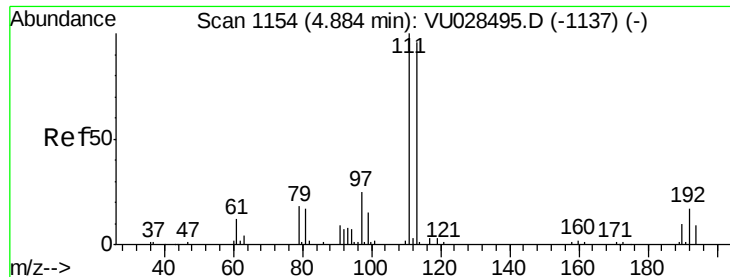
Tot Ion: 65 Resp: 72246
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028615.D
 Acq: 11 Dec 2018 18:26

Tgt Ion: 114 Resp: 161247
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 49.2
 88 17.0 0.0 33.4

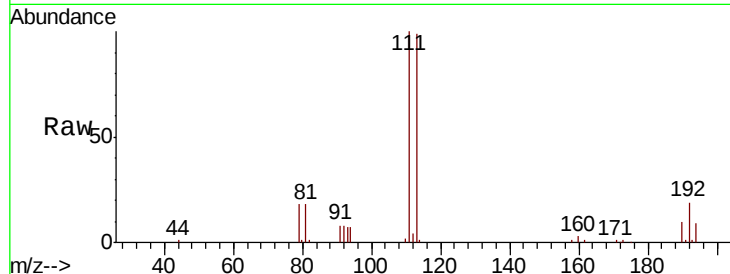




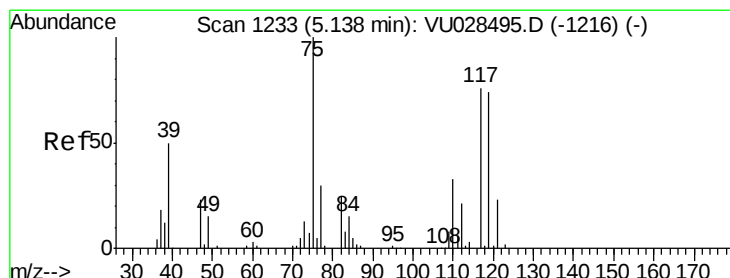
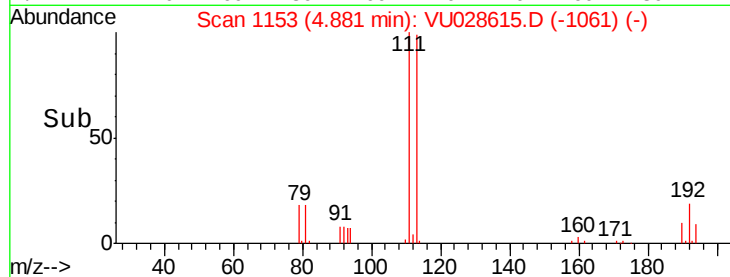
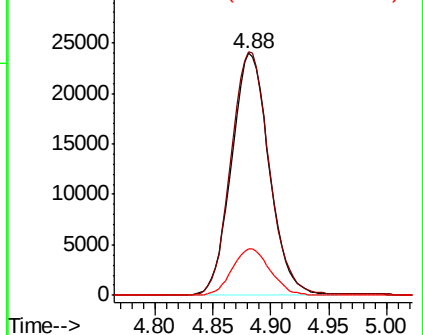
#35
 Dibromofluoromethane
 Concen: 53.271 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028615.D
 Acq: 11 Dec 2018 18:26

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-122D1-20181206DL

Tot Ion:113 Resp: 54056
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.4 125.0
 192 19.2 14.8 22.2

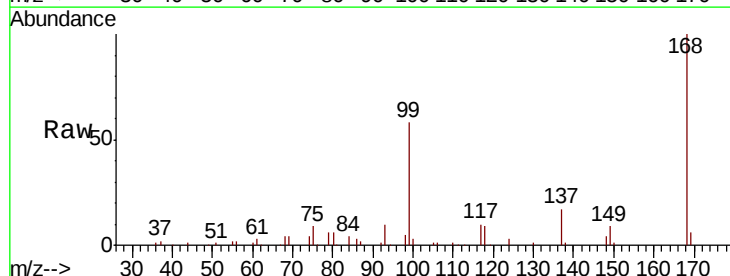


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

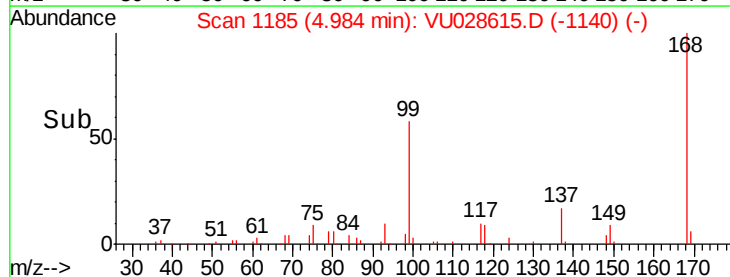
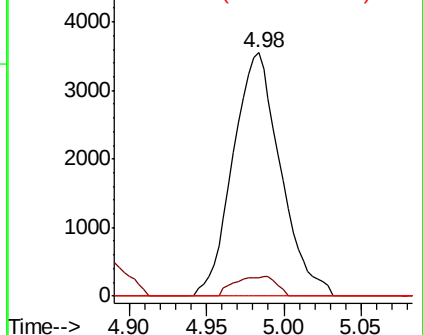


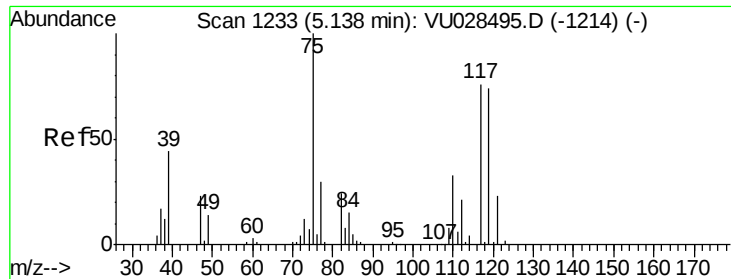
#36
 1,1-Dichloropropene
 Concen: 4.298 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028615.D
 Acq: 11 Dec 2018 18:26

Tgt Ion: 75 Resp: 7584
 Ion Ratio Lower Upper
 75 100
 110 7.1 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: 6.130 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028615.D

Acq: 11 Dec 2018 18:26

Instrument :

MSVOA_U

ClientSampleId :

RE-122D1-20181206DL

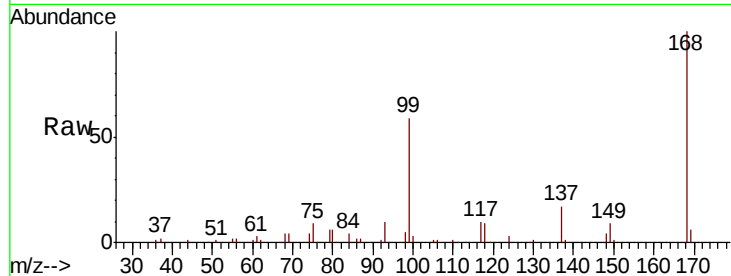
Tot Ion:117 Resp: 8718

Ion Ratio Lower Upper

117 100

119 4.1 77.6 116.4#

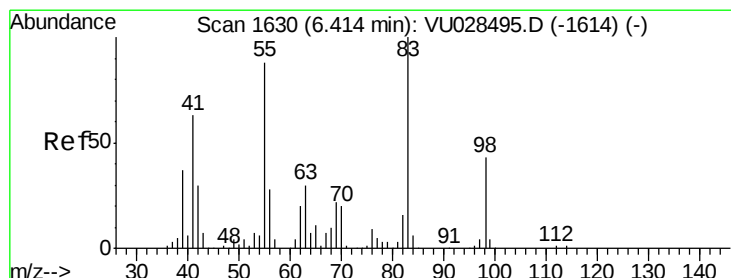
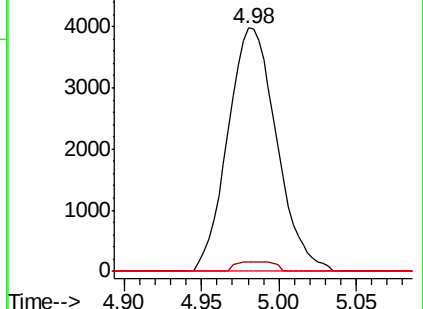
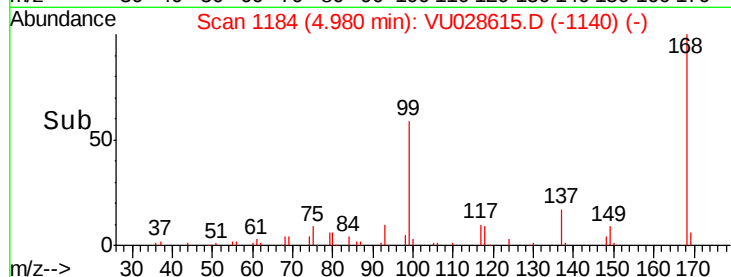
121 0.0 24.6 36.8#



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: 0.363 ug/l

RT: 6.18 min Scan# 1557

Delta R.T. -0.23 min

Lab File: VU028615.D

Acq: 11 Dec 2018 18:26

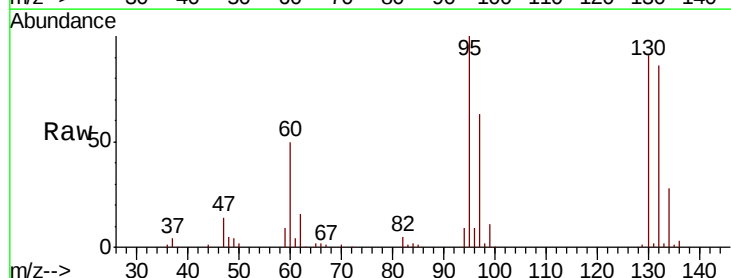
Tgt Ion: 83 Resp: 782

Ion Ratio Lower Upper

83 100

55 0.0 70.2 105.2#

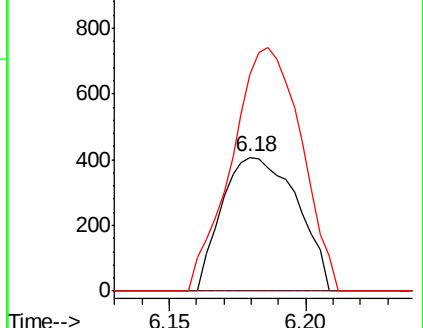
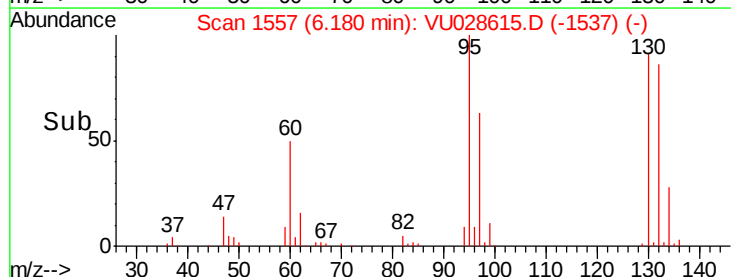
98 161.3 34.2 51.4#

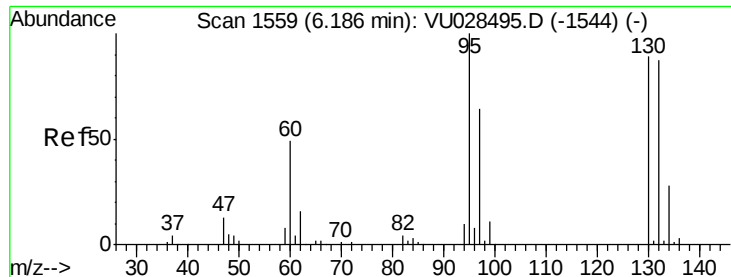


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#44

Trichloroethene

Concen: 46.637 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028615.D

Acq: 11 Dec 2018 18:26

Instrument :

MSVOA_U

ClientSampleId :

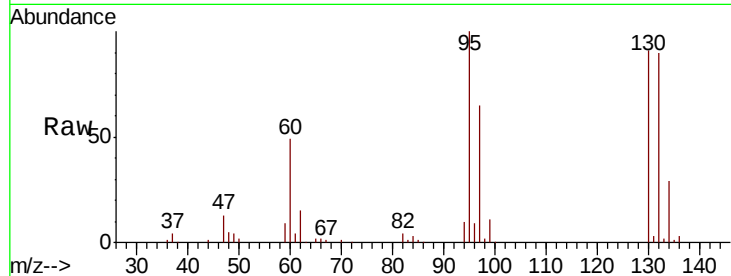
RE-122D1-20181206DL

Tot Ion:130 Resp: 53890

Ion Ratio Lower Upper

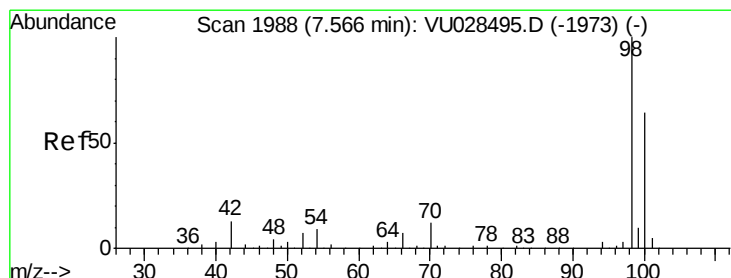
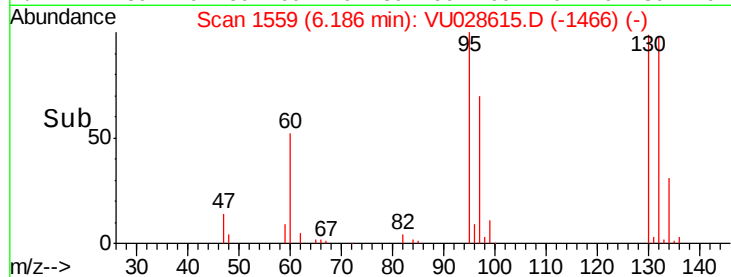
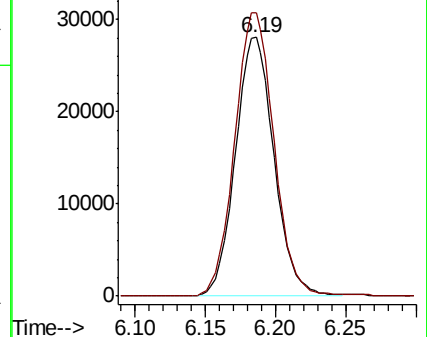
130 100

95 109.4 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: 51.530 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU028615.D

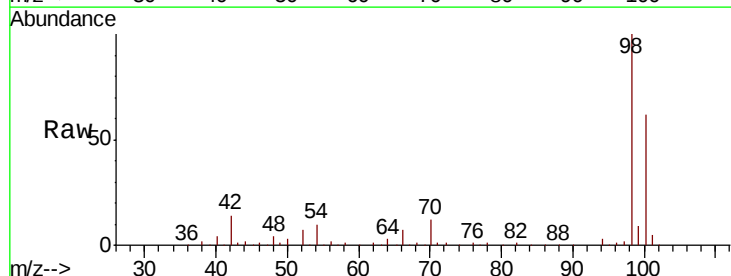
Acq: 11 Dec 2018 18:26

Tgt Ion: 98 Resp: 206846

Ion Ratio Lower Upper

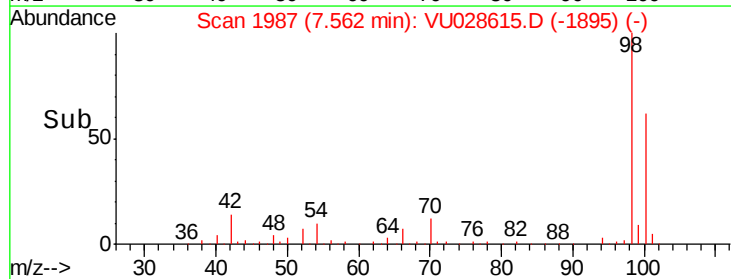
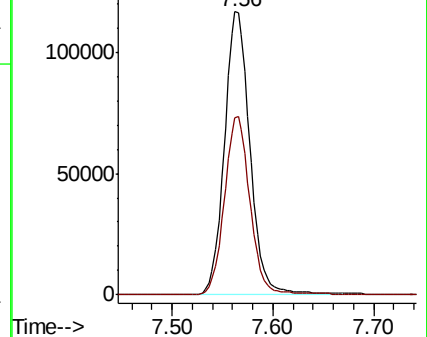
98 100

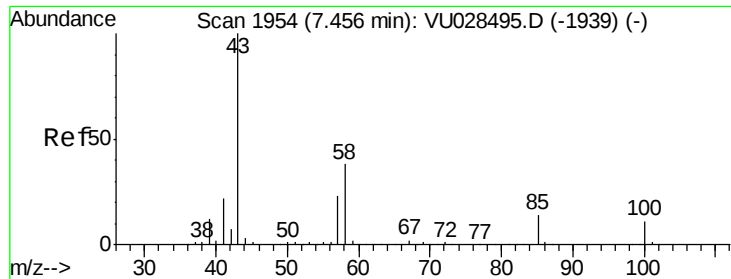
100 63.3 51.0 76.6



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: 0.459 ug/l

RT: 7.56 min Scan# 1986

Delta R.T. 0.10 min

Lab File: VU028615.D

Acq: 11 Dec 2018 18:26

Instrument :

MSVOA_U

ClientSampleId :

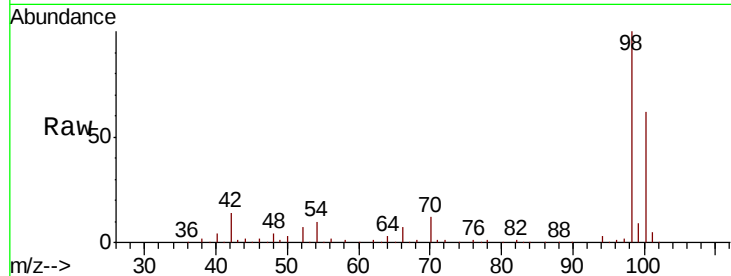
RE-122D1-20181206DL

Tot Ion: 43 Resp: 1045

Ion Ratio Lower Upper

43 100

58 176.7 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0

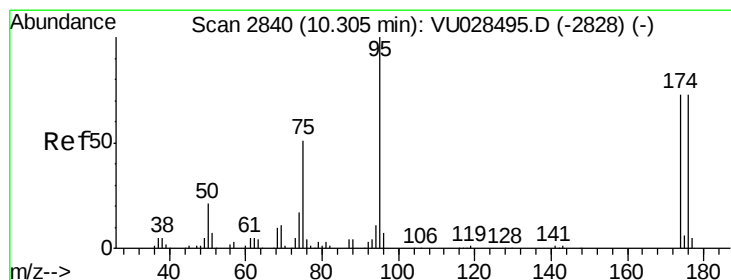
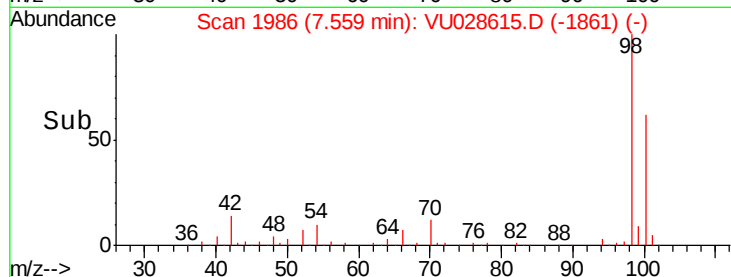
Ion 58.00 (57.70 to 58.70): VU0

1000

500

7.56

Time-->



#62

4-Bromofluorobenzene

Concen: 45.131 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028615.D

Acq: 11 Dec 2018 18:26

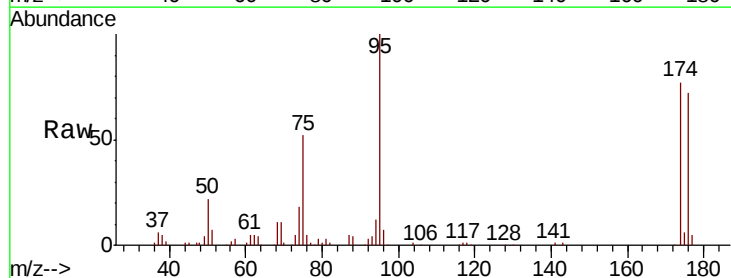
Tgt Ion: 95 Resp: 67712

Ion Ratio Lower Upper

95 100

174 76.6 0.0 150.4

176 73.8 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

50000

40000

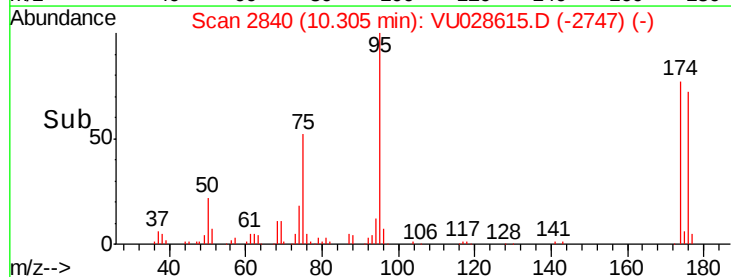
30000

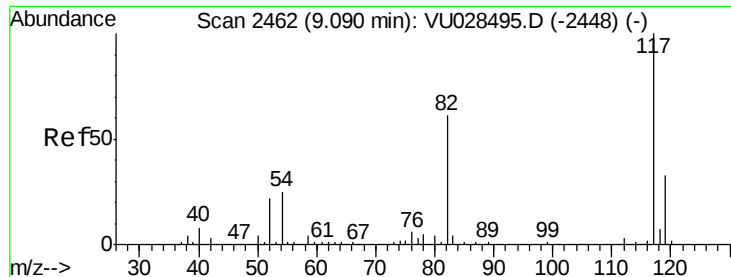
20000

10000

10.30

Time-->

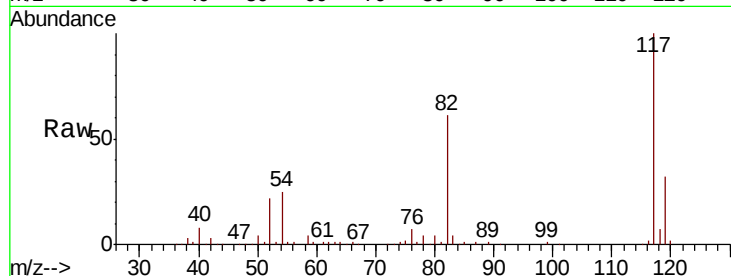




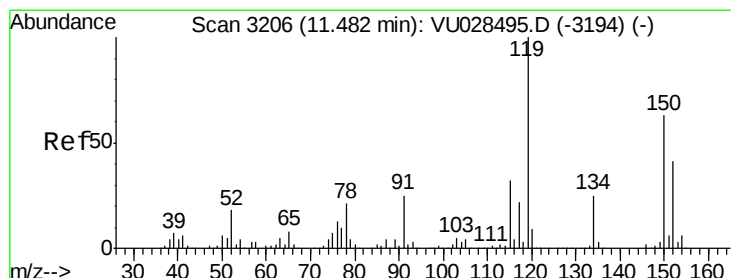
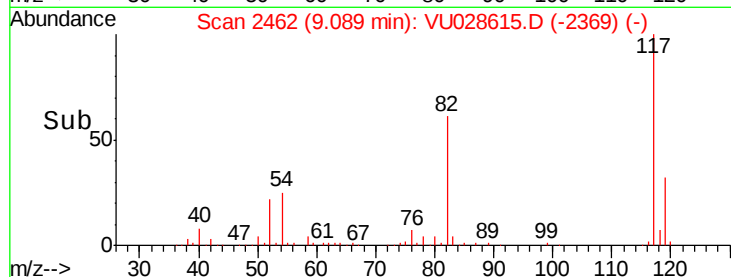
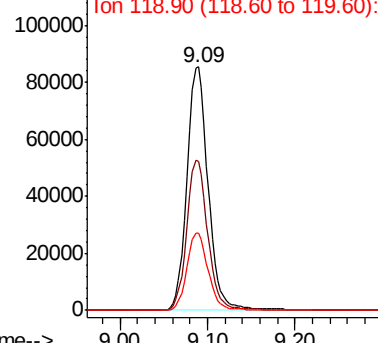
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028615.D
Acq: 11 Dec 2018 18:26

Instrument :
MSVOA_U
ClientSampleId :
RE-122D1-20181206DL

Tot Ion:117 Resp: 143881
Ion Ratio Lower Upper
117 100
82 61.1 48.9 73.3
119 31.6 26.2 39.4

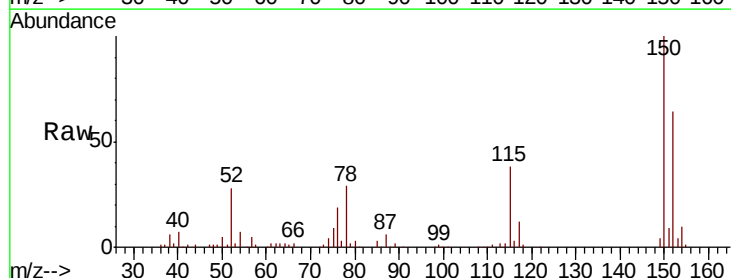


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

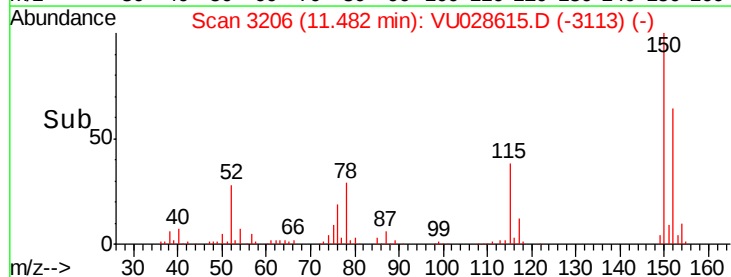
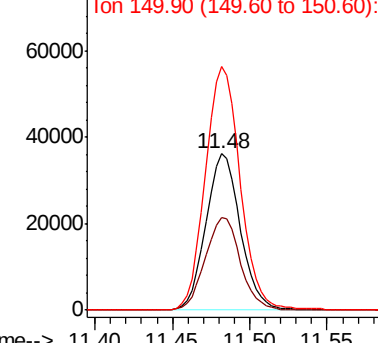


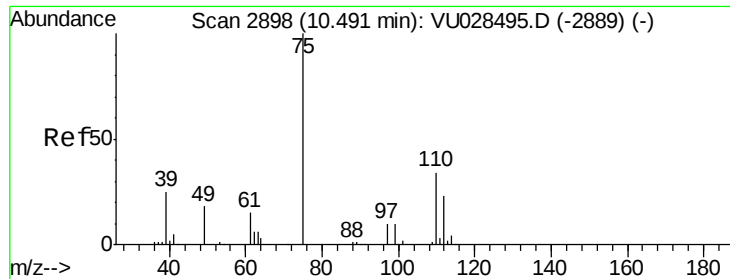
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028615.D
Acq: 11 Dec 2018 18:26

Tgt Ion:152 Resp: 55768
Ion Ratio Lower Upper
152 100
115 60.3 42.7 128.1
150 158.3 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: 24.432 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028615.D

Acq: 11 Dec 2018 18:26

Instrument :

MSVOA_U

ClientSampleId :

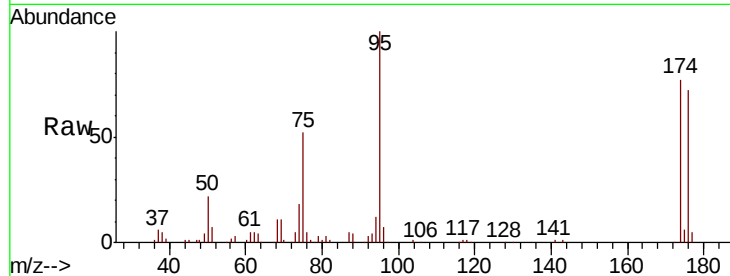
RE-122D1-20181206DL

Tot Ion: 75 Resp: 34792

Ion Ratio Lower Upper

75 100

77 1.1 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-2889) (-)

Ion 77.00 (76.70 to 77.70): VU028495.D (-2889) (-)

10.30

25000

20000

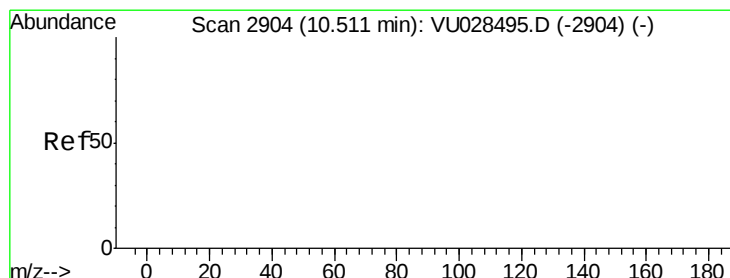
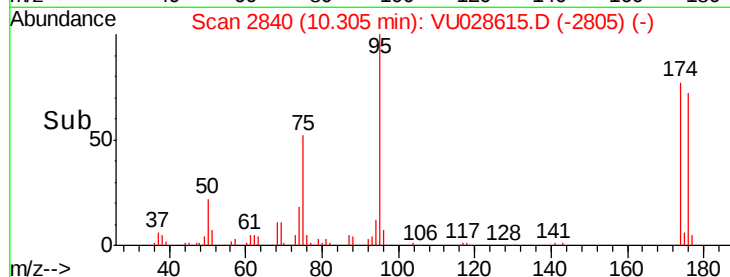
15000

10000

5000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 59.964 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028615.D

Acq: 11 Dec 2018 18:26

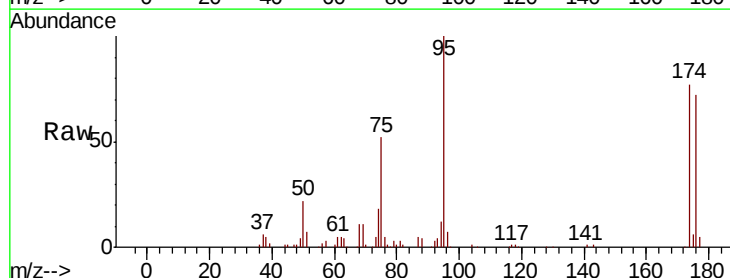
Tgt Ion: 75 Resp: 34792

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): VU028495.D (-2889) (-)

Ion 53.00 (52.70 to 53.70): VU028495.D (-2889) (-)

Ion 88.90 (88.60 to 89.60): VU028495.D (-2889) (-)

10.30

25000

20000

15000

10000

5000

0

Time-->

