

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028620.D
 Acq On : 11 Dec 2018 20:27
 Operator : MD/SY
 Sample : J6325-07DL 4X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D2-20181205DL

Quant Time: Dec 12 04:13:07 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	82522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	154878	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	139415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	54172	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	71270	56.59	ug/l	0.00
Spiked Amount			Recovery	=	113.18%	
35) Dibromofluoromethane	4.88	113	52326	53.69	ug/l	0.00
Spiked Amount			Recovery	=	107.38%	
50) Toluene-d8	7.57	98	199502	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
62) 4-Bromofluorobenzene	10.30	95	65516	45.46	ug/l	0.00
Spiked Amount			Recovery	=	90.92%	

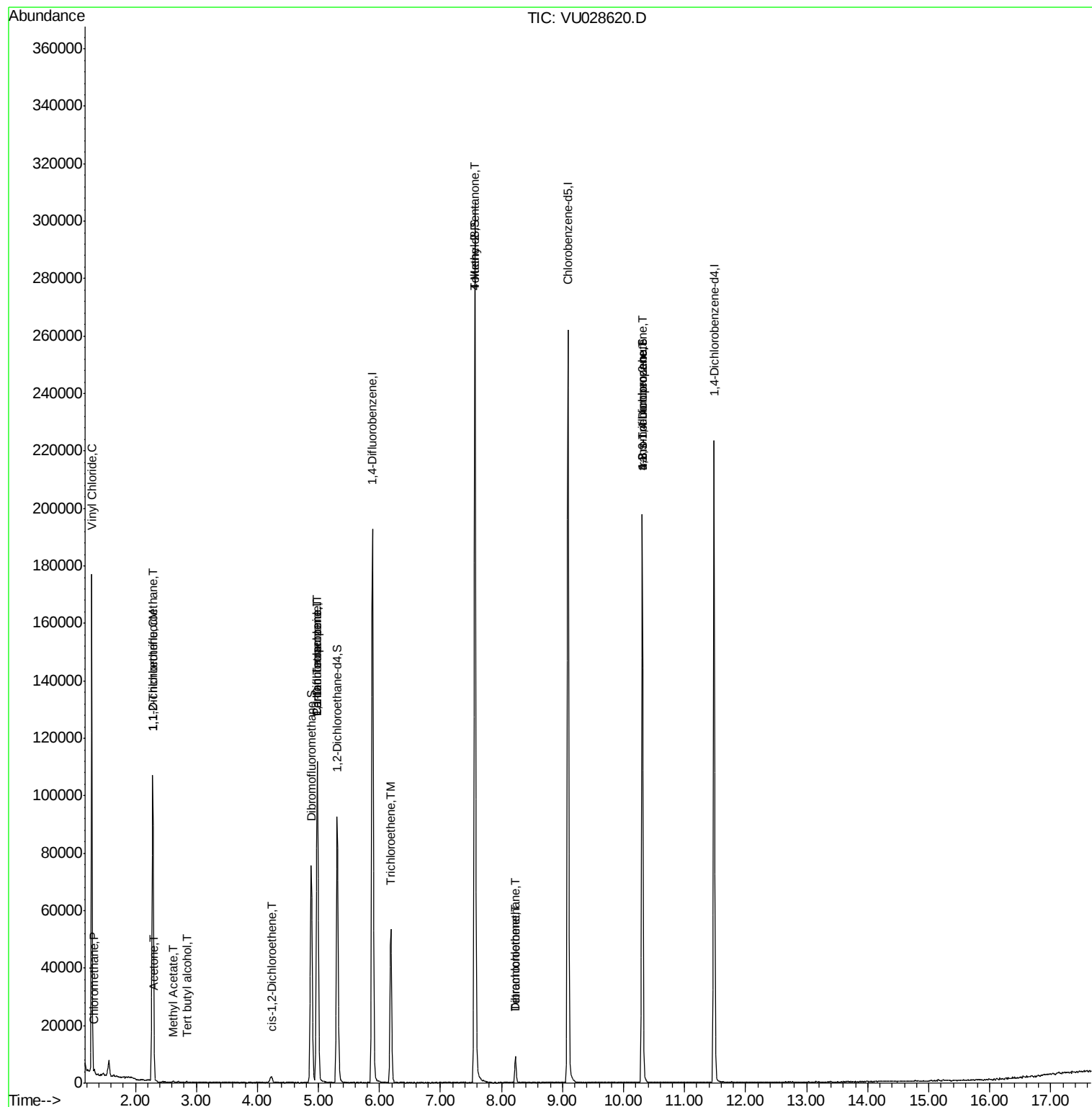
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1474	0.725	ug/l	89
4) Vinyl Chloride	1.29	62	1472	1.003	ug/l #	43
9) 1,1,2-Trichlorotrifluoroet	2.29	101	40471	43.827	ug/l	98
11) Tert butyl alcohol	2.84	59	133	0.474	ug/l #	73
12) 1,1-Dichloroethene	2.29	96	318	0.346	ug/l #	59
16) Acetone	2.32	43	422	0.514	ug/l #	44
18) Methyl Acetate	2.63	43	512	0.240	ug/l #	56
27) cis-1,2-Dichloroethene	4.22	96	1112	0.950	ug/l	91
31) Cyclohexane	4.98	56	2006	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7574	4.469	ug/l #	50
38) Carbon Tetrachloride	4.98	117	8213	6.012	ug/l #	15
44) Trichloroethene	6.19	130	17319	15.605	ug/l	99
51) 4-Methyl-2-Pentanone	7.56	43	1026	0.469	ug/l #	1
60) Dibromochloromethane	8.23	129	2058	1.810	ug/l #	10
64) Tetrachloroethene	8.23	164	2128	2.288	ug/l	85
76) 1,2,3-Trichloropropane	10.30	75	34980	25.287	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	34980	62.046	ug/l #	100

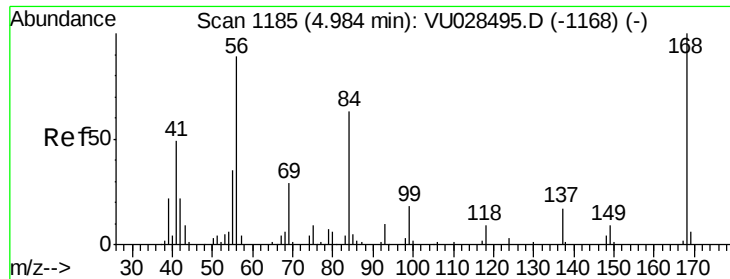
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1184

Delta R.T. -0.00 min

Lab File: VU028620.D

Acq: 11 Dec 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

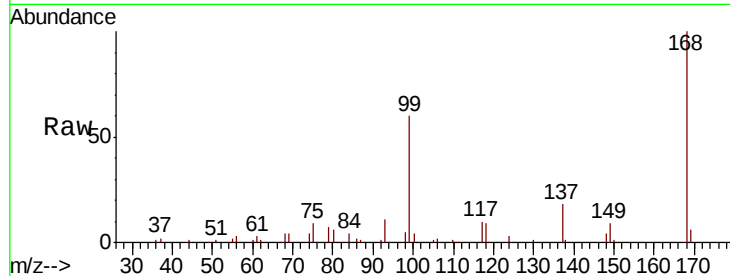
RE-131D2-20181205DL

Tot Ion:168 Resp: 82522

Ion Ratio Lower Upper

168 100

99 59.6 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) (-)

4.98

40000

30000

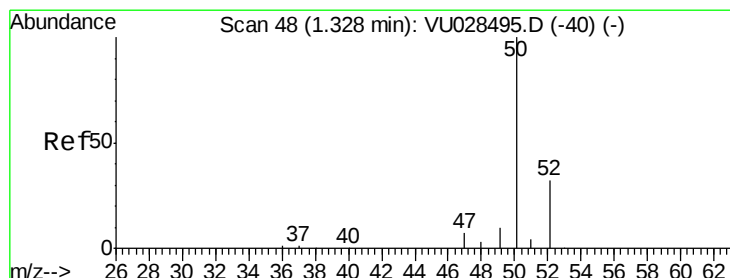
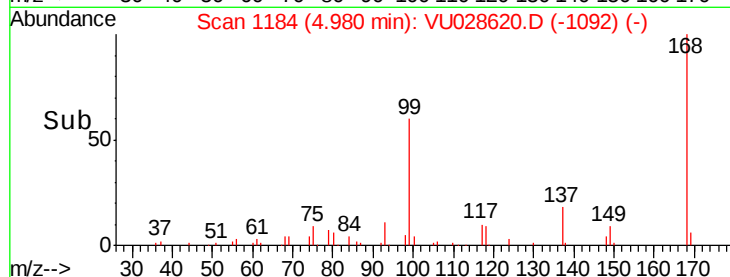
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#3

Chloromethane

Concen: 0.725 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028620.D

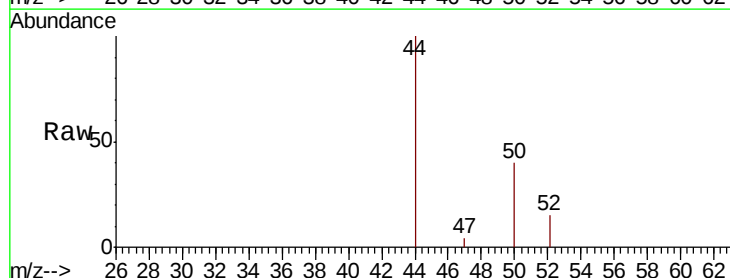
Acq: 11 Dec 2018 20:27

Tgt Ion: 50 Resp: 1474

Ion Ratio Lower Upper

50 100

52 38.2 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) (-)

1.33

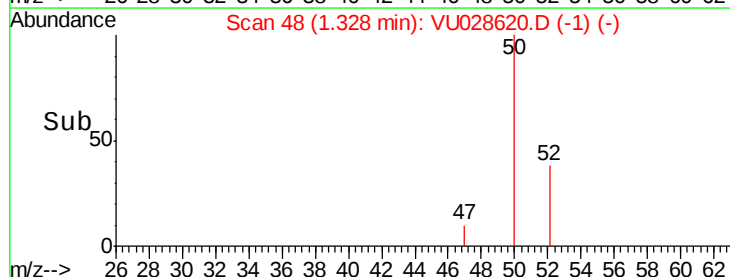
1000

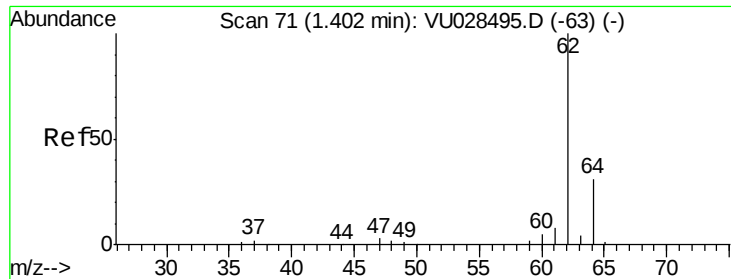
500

0

1.30 1.32 1.34 1.36

Time-->





#4

Vinyl Chloride

Concen: 1.003 ug/l

RT: 1.29 min Scan# 35

Delta R.T. -0.12 min

Lab File: VU028620.D

Acq: 11 Dec 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

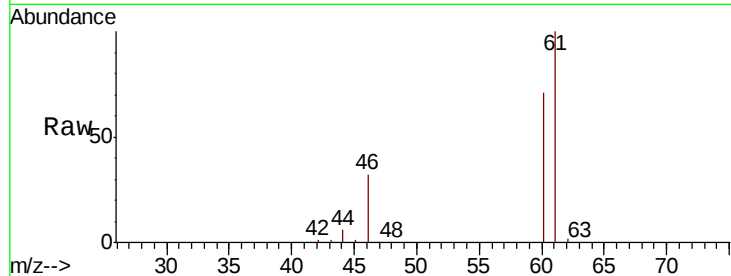
RE-131D2-20181205DL

Tot Ion: 62 Resp: 1472

Ion Ratio Lower Upper

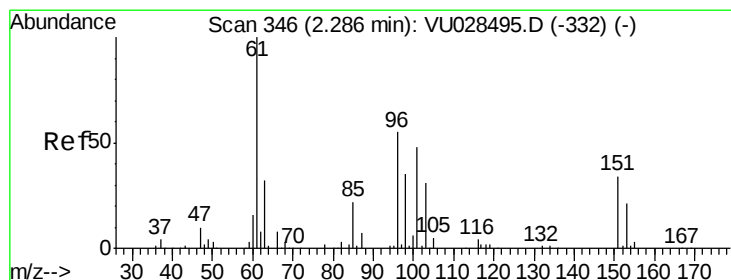
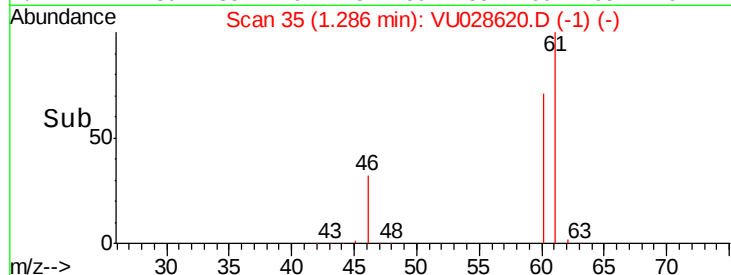
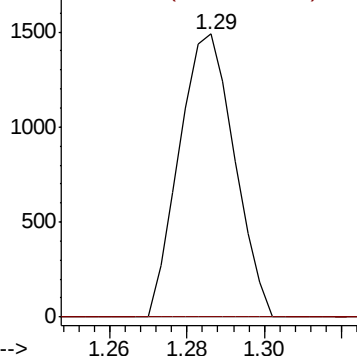
62 100

64 0.0 25.1 37.7#



Abundance Ion 61.90 (61.60 to 62.60): VU028620.D (-1) (-)

Ion 63.90 (63.60 to 64.60): VU028620.D (-1) (-)



#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.827 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028620.D

Acq: 11 Dec 2018 20:27

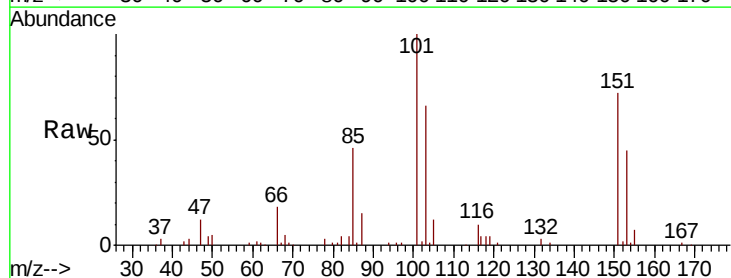
Tgt Ion: 101 Resp: 40471

Ion Ratio Lower Upper

101 100

85 47.5 36.4 54.6

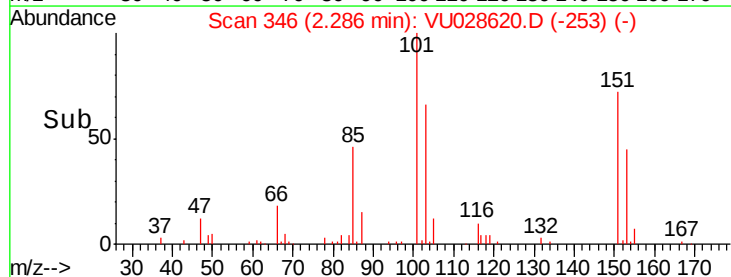
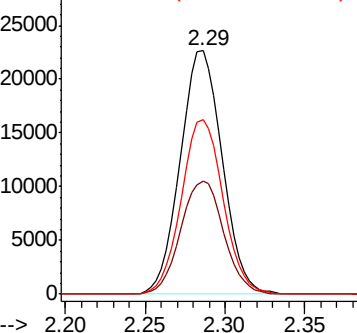
151 71.4 58.2 87.2

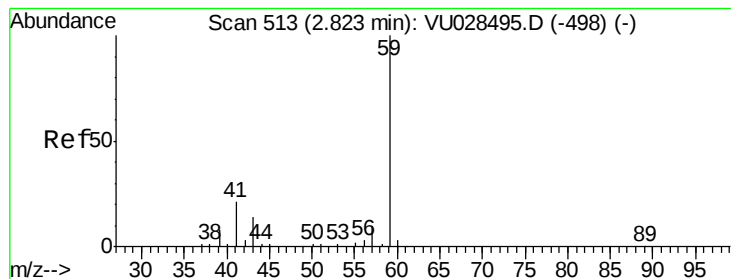


Abundance Ion 100.90 (100.60 to 101.60): VU028620.D (-253) (-)

Ion 84.90 (84.60 to 85.60): VU028620.D (-253) (-)

Ion 150.80 (150.50 to 151.50): VU028620.D (-253) (-)



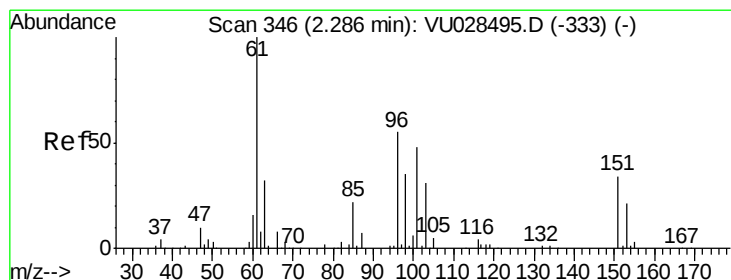
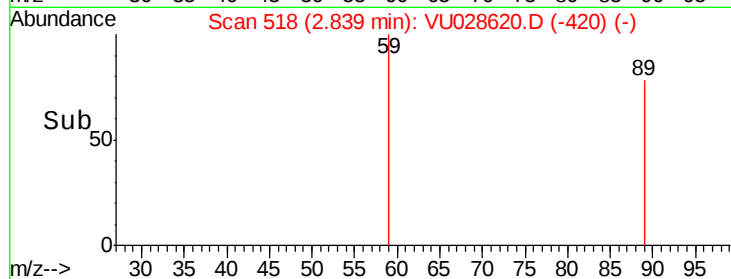
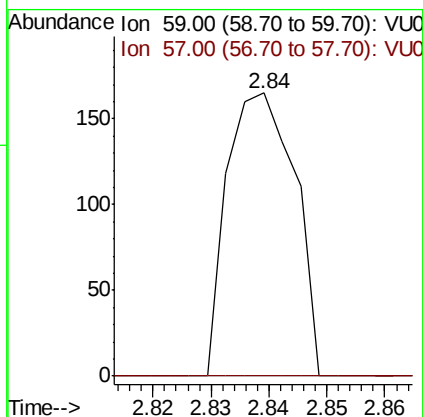
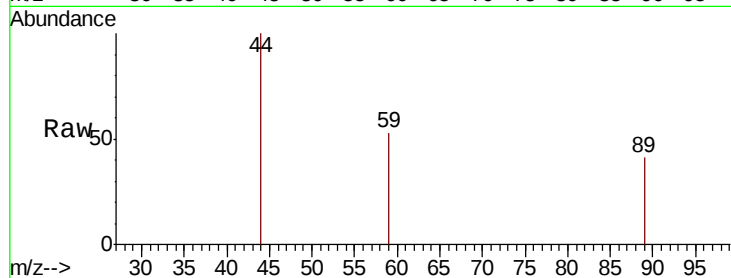


#11

Tert butvl alcohol
 Concen: 0.474 ug/l
 RT: 2.84 min Scan# 518
 Delta R.T. 0.02 min
 Lab File: VU028620.D
 Acq: 11 Dec 2018 20:27

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D2-20181205DL

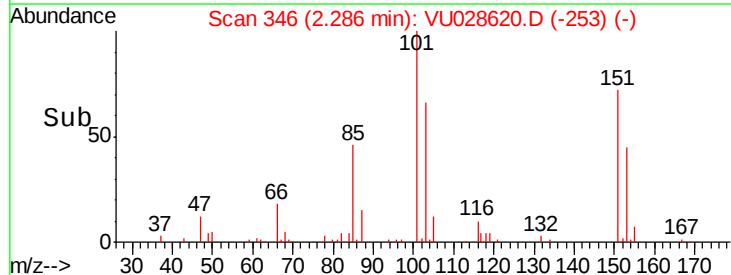
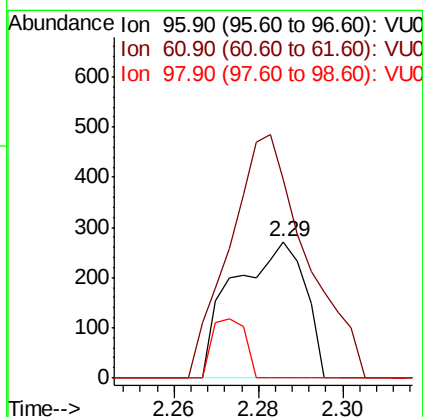
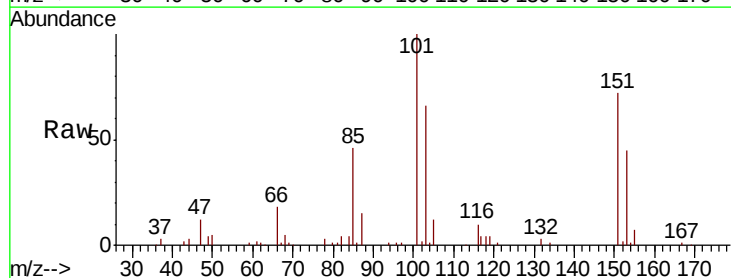
Tot Ion: 59 Resp: 133
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

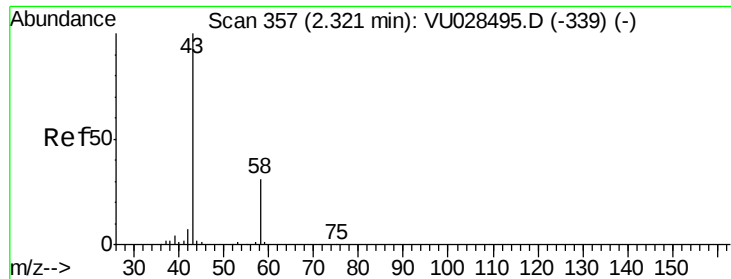


#12

1,1-Dichloroethene
 Concen: 0.346 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. -0.00 min
 Lab File: VU028620.D
 Acq: 11 Dec 2018 20:27

Tgt Ion: 96 Resp: 318
 Ion Ratio Lower Upper
 96 100
 61 146.1 146.4 219.6#
 98 0.0 51.8 77.8#





#16

Acetone

Concen: 0.514 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU028620.D

Acq: 11 Dec 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

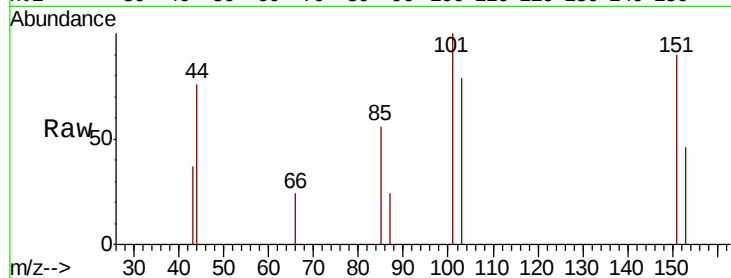
RE-131D2-20181205DL

Tot Ion: 43 Resp: 422

Ion Ratio Lower Upper

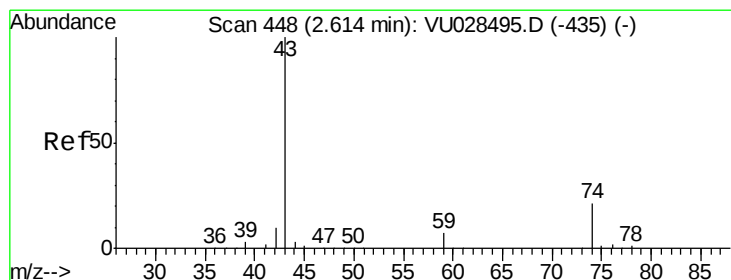
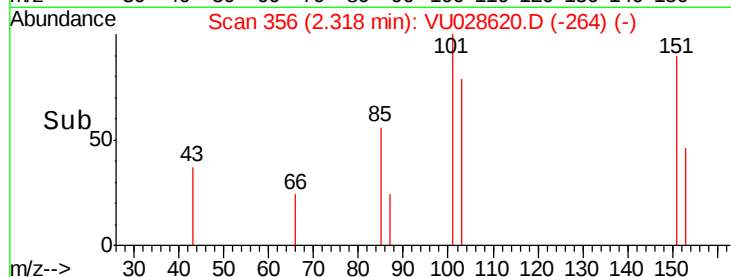
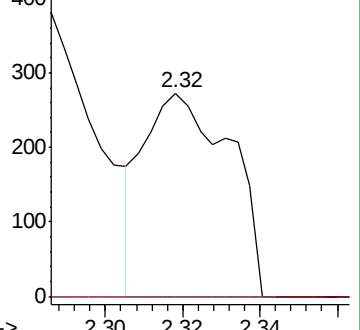
43 100

58 0.0 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 0.240 ug/l

RT: 2.63 min Scan# 452

Delta R.T. 0.01 min

Lab File: VU028620.D

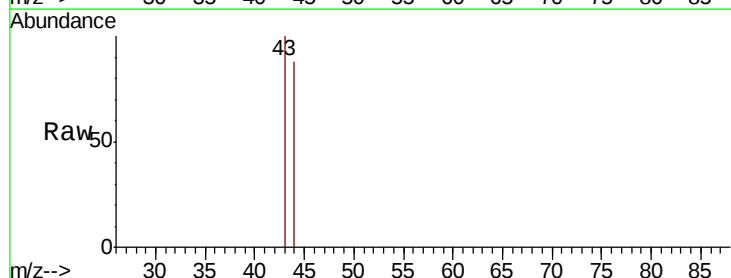
Acq: 11 Dec 2018 20:27

Tgt Ion: 43 Resp: 512

Ion Ratio Lower Upper

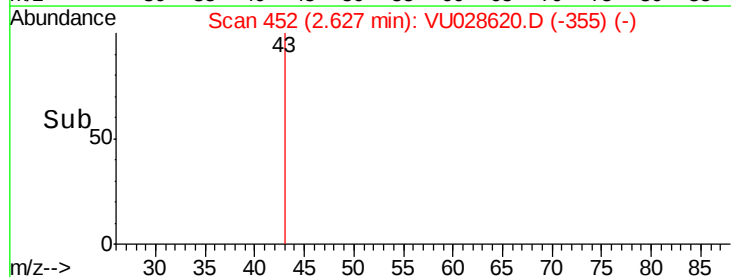
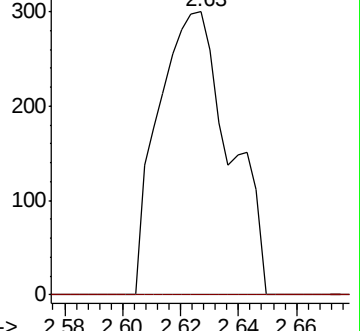
43 100

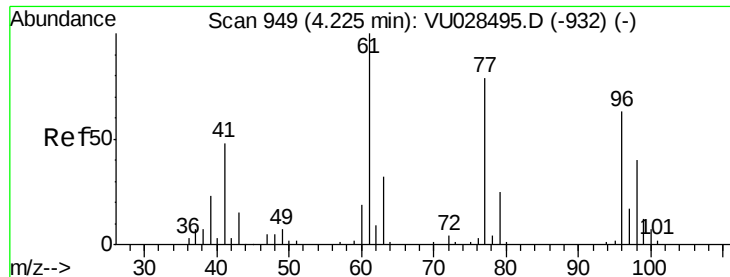
74 0.0 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



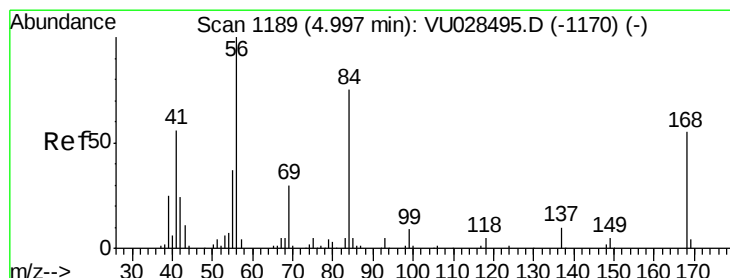
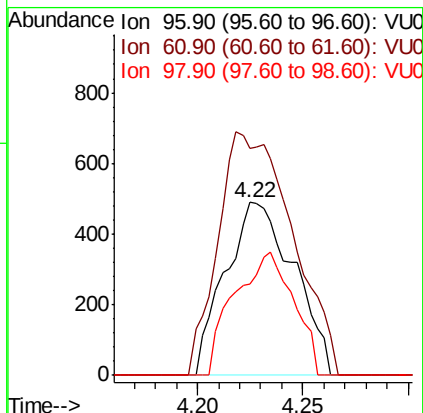
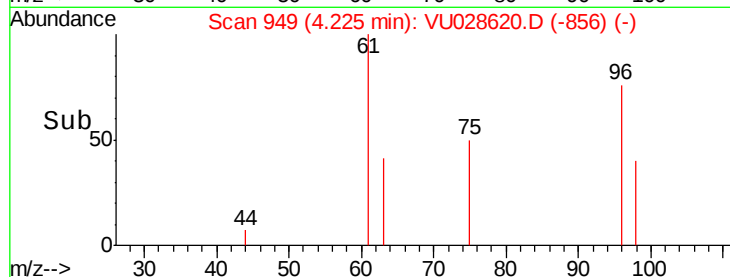
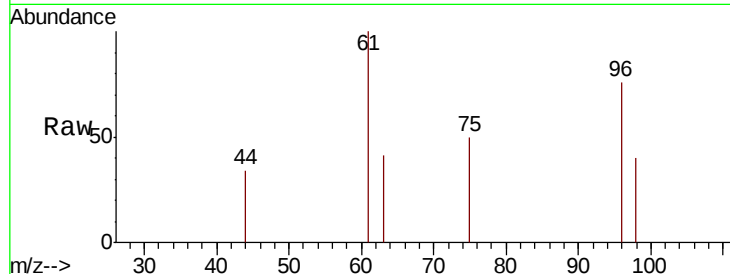


#27

cis-1,2-Dichloroethene
 Concen: 0.950 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU028620.D
 Acq: 11 Dec 2018 20:27

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D2-20181205DL

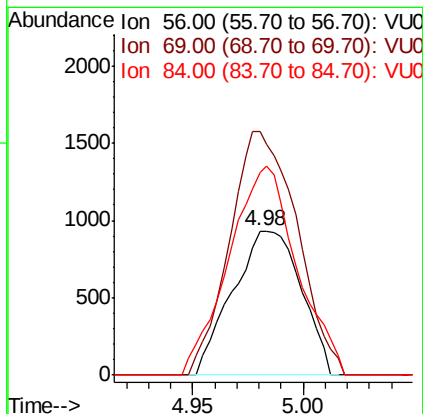
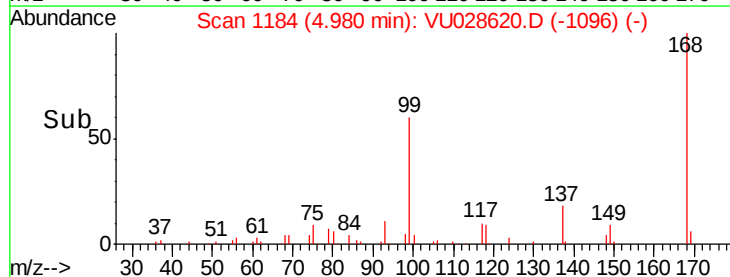
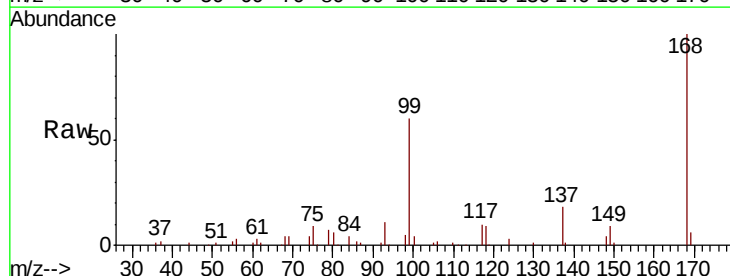
Tot Ion: 96 Resp: 1112
 Ion Ratio Lower Upper
 96 100
 61 151.5 0.0 332.4
 98 61.1 0.0 129.0

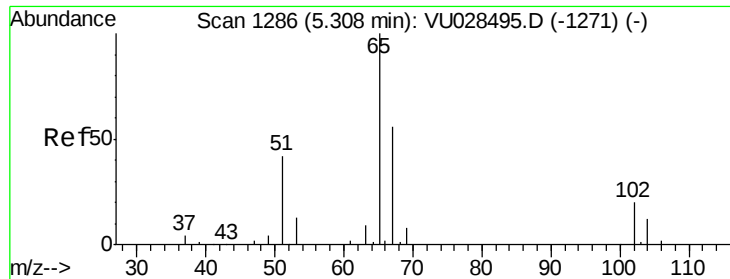


#31

Cyclohexane
 Concen: Below Cal
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: VU028620.D
 Acq: 11 Dec 2018 20:27

Tgt Ion: 56 Resp: 2006
 Ion Ratio Lower Upper
 56 100
 69 169.1 24.0 36.0#
 84 129.1 59.7 89.5#

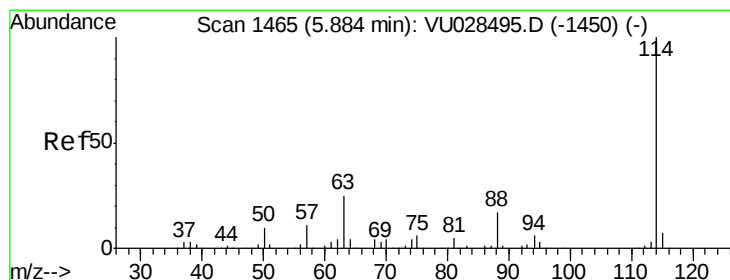
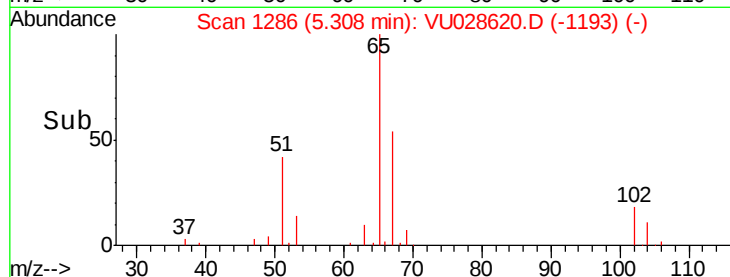
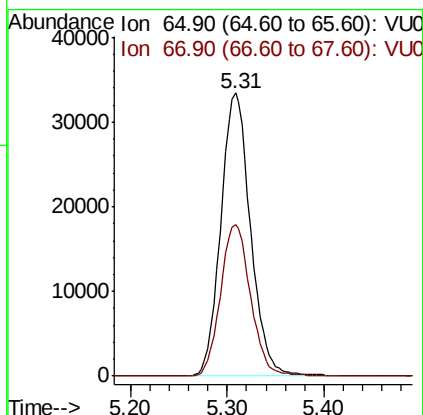
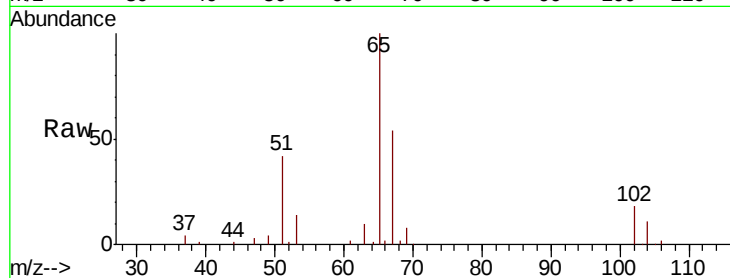




#33
 1,2-Dichloroethane-d4
 Concen: 56.593 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028620.D
 Acq: 11 Dec 2018 20:27

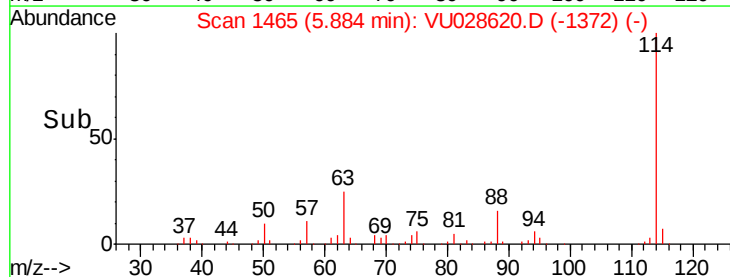
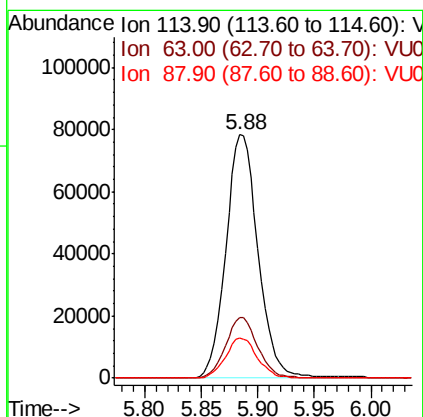
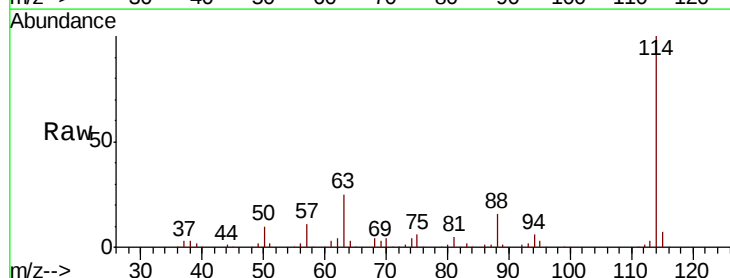
Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D2-20181205DL

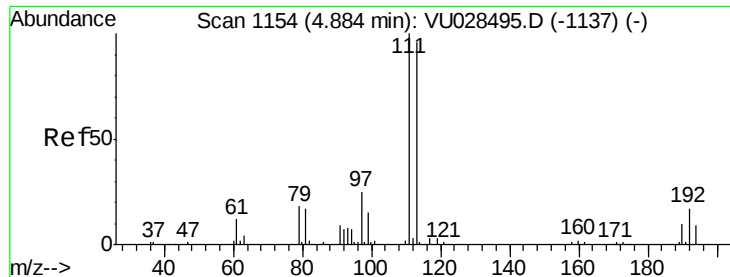
Tot Ion: 65 Resp: 71270
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028620.D
 Acq: 11 Dec 2018 20:27

Tgt Ion: 114 Resp: 154878
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 49.2
 88 16.3 0.0 33.4

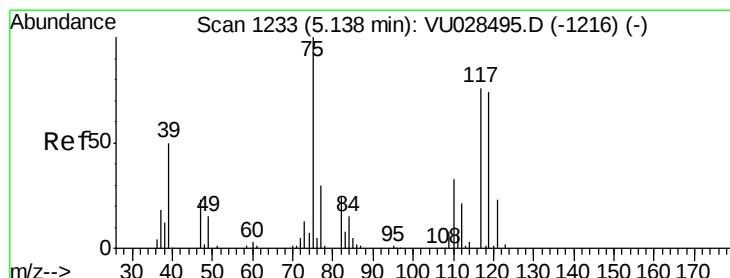
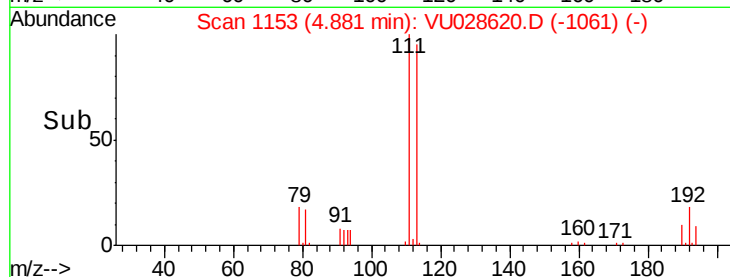
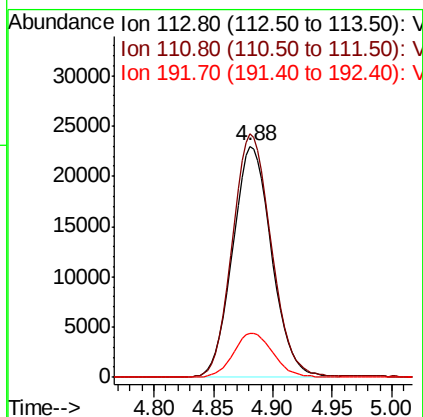
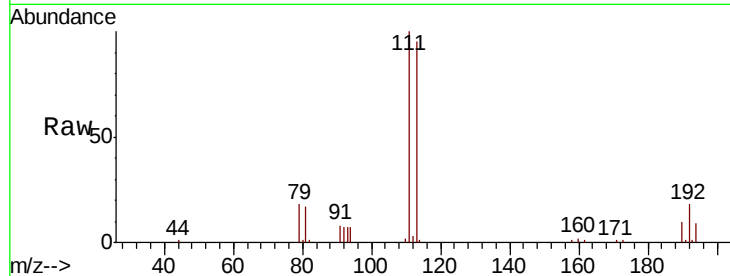




#35
 Dibromofluoromethane
 Concen: 53.687 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028620.D
 Acq: 11 Dec 2018 20:27

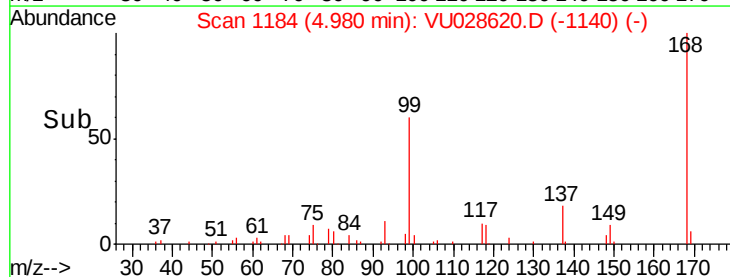
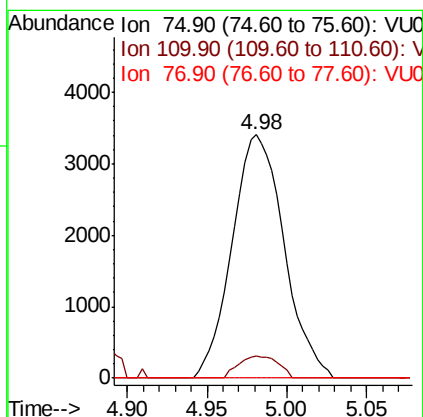
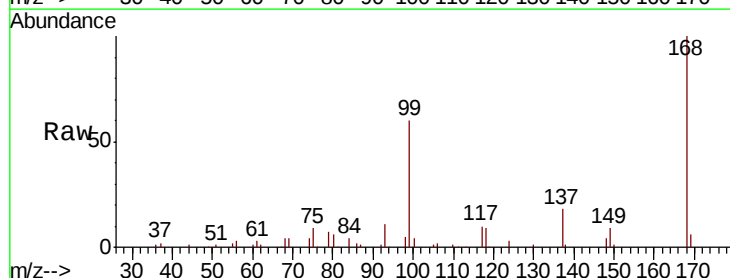
Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D2-20181205DL

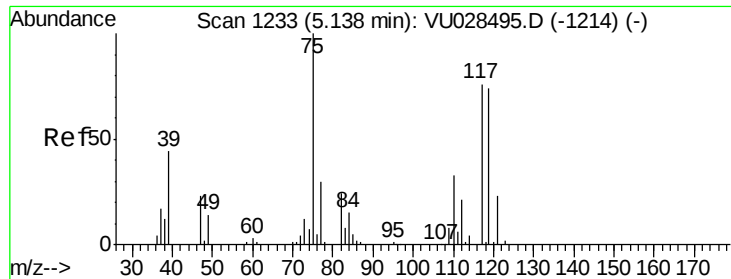
Tot Ion:113 Resp: 52326
 Ion Ratio Lower Upper
 113 100
 111 105.3 83.4 125.0
 192 19.2 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.469 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028620.D
 Acq: 11 Dec 2018 20:27

Tgt Ion: 75 Resp: 7574
 Ion Ratio Lower Upper
 75 100
 110 6.9 16.1 48.2#
 77 0.0 24.5 36.7#

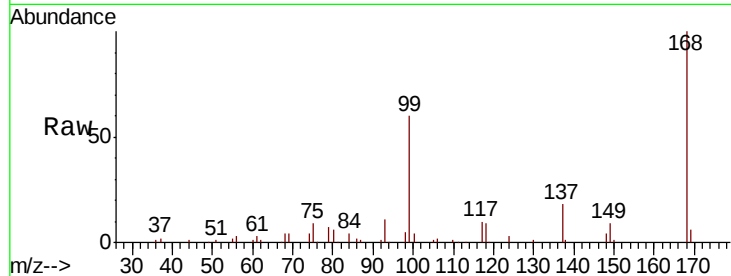




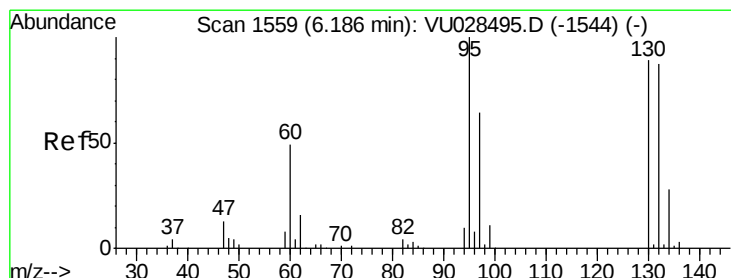
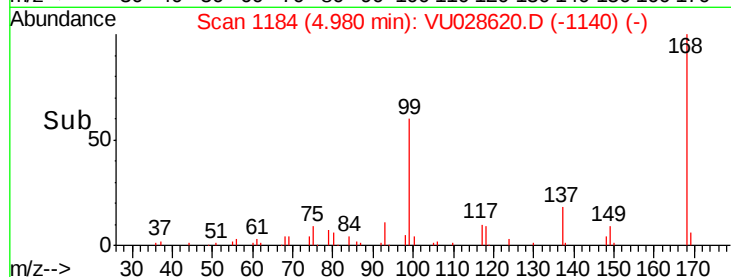
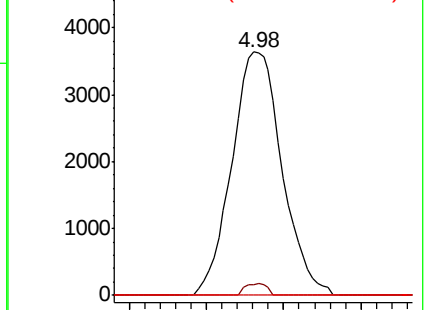
#38
Carbon Tetrachloride
Concen: 6.012 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.16 min
Lab File: VU028620.D
Acq: 11 Dec 2018 20:27

Instrument :
MSVOA_U
ClientSampleId :
RE-131D2-20181205DL

Tot Ion:117 Resp: 8213
Ion Ratio Lower Upper
117 100
119 4.6 77.6 116.4#
121 0.0 24.6 36.8#

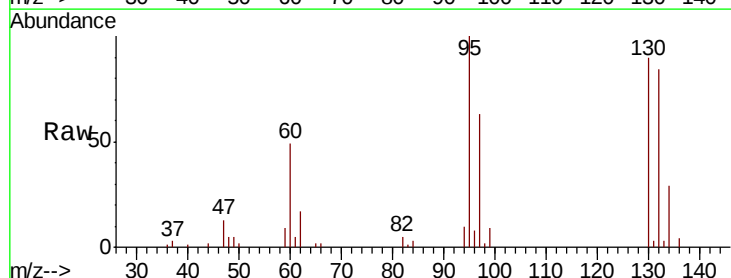


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

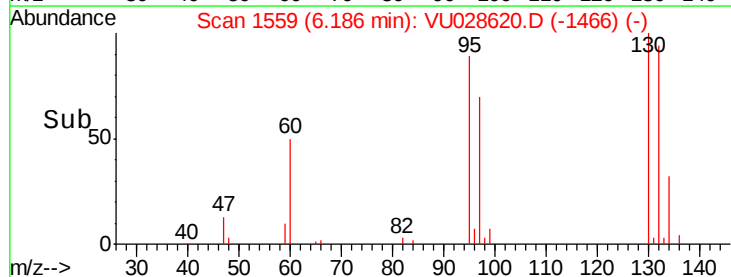
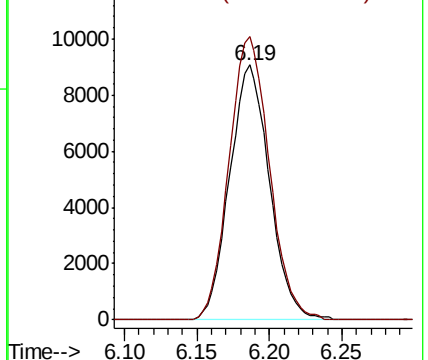


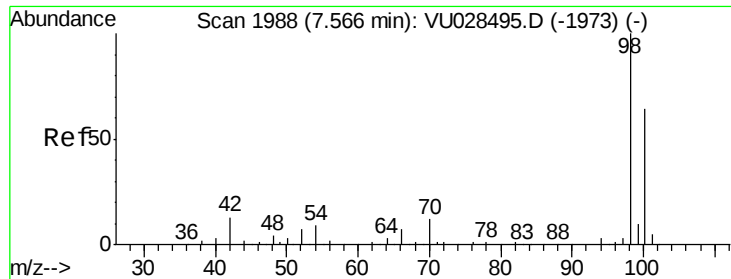
#44
Trichloroethene
Concen: 15.605 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU028620.D
Acq: 11 Dec 2018 20:27

Tgt Ion:130 Resp: 17319
Ion Ratio Lower Upper
130 100
95 111.1 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: 51.744 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028620.D

Acq: 11 Dec 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

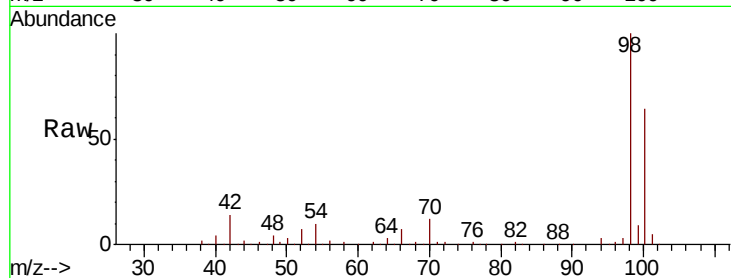
RE-131D2-20181205DL

Tot Ion: 98 Resp: 199502

Ion Ratio Lower Upper

98 100

100 63.4 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

120000

100000

80000

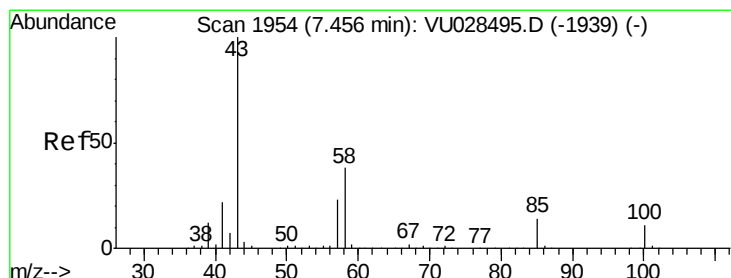
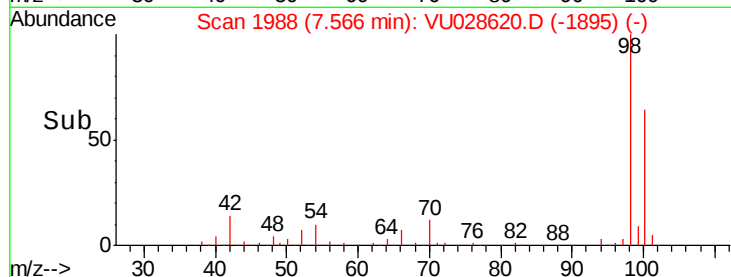
60000

40000

20000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.469 ug/l

RT: 7.56 min Scan# 1986

Delta R.T. 0.10 min

Lab File: VU028620.D

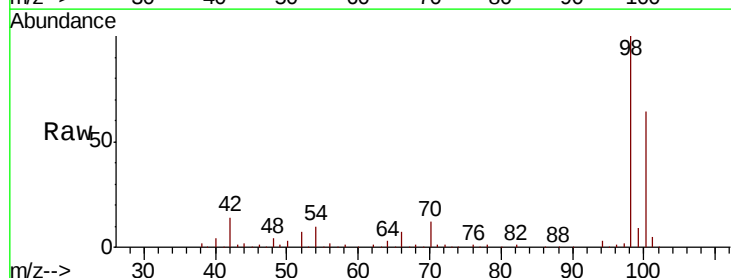
Acq: 11 Dec 2018 20:27

Tgt Ion: 43 Resp: 1026

Ion Ratio Lower Upper

43 100

58 174.7 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) (-)

1200

1000

800

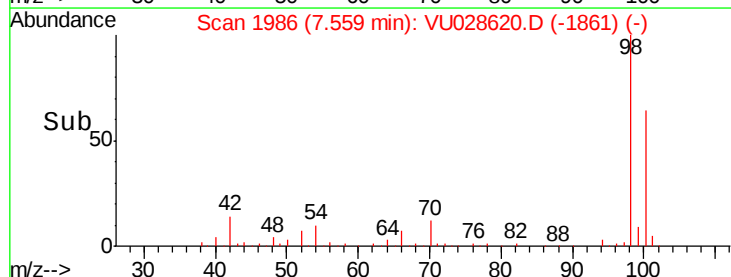
600

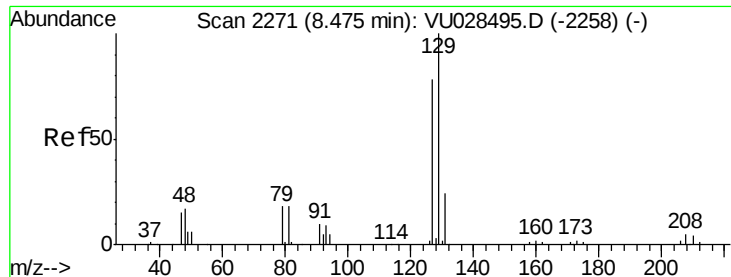
400

200

0

Time-->





#60

Dibromochloromethane

Concen: 1.810 ug/l

RT: 8.23 min Scan# 2195

Delta R.T. -0.24 min

Lab File: VU028620.D

Acq: 11 Dec 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

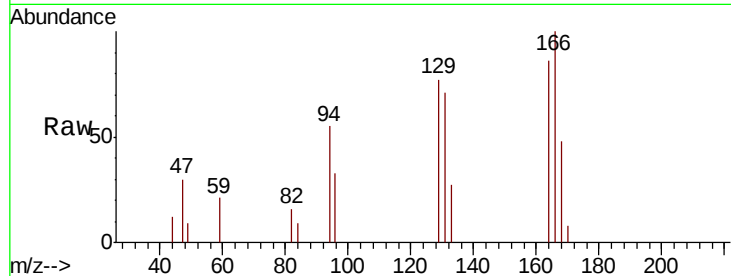
RE-131D2-20181205DL

Tot Ion:129 Resp: 2058

Ion Ratio Lower Upper

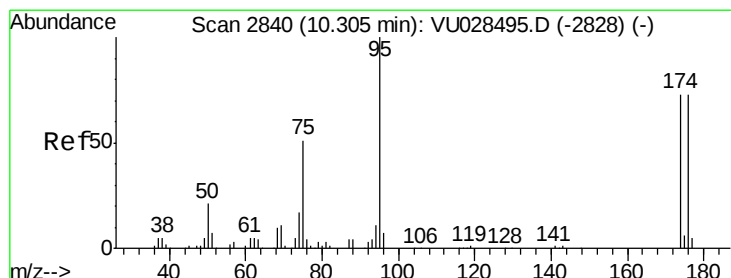
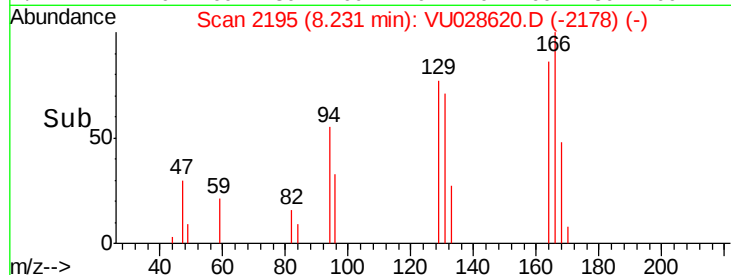
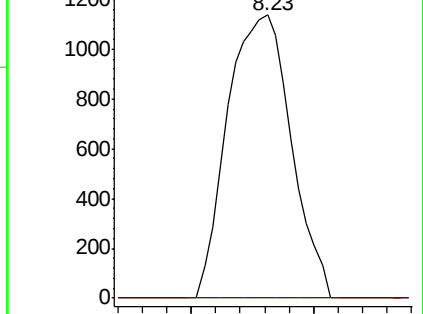
129 100

127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 45.463 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028620.D

Acq: 11 Dec 2018 20:27

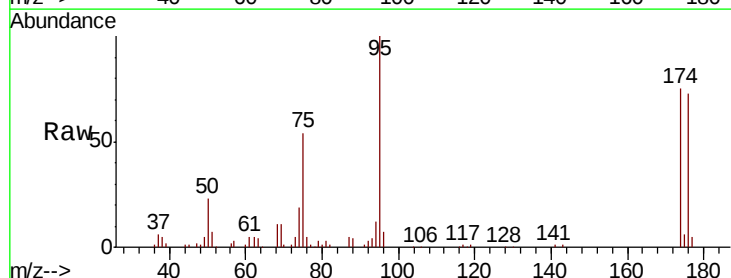
Tgt Ion: 95 Resp: 65516

Ion Ratio Lower Upper

95 100

174 76.4 0.0 150.4

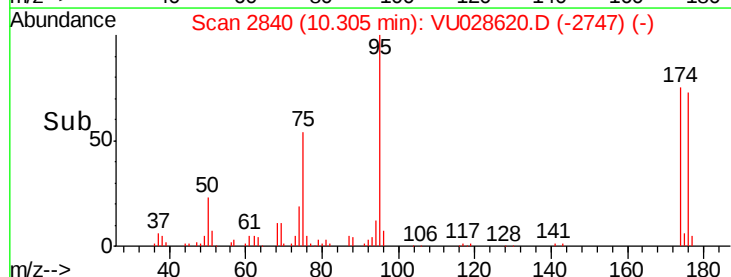
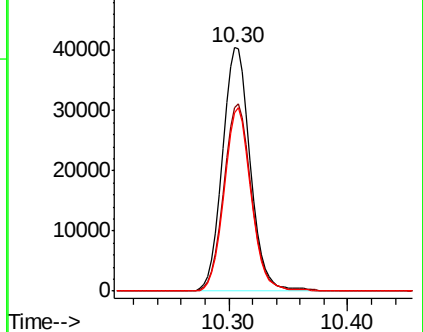
176 73.1 0.0 145.2

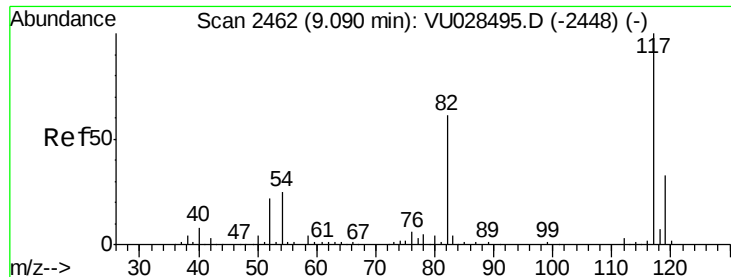


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

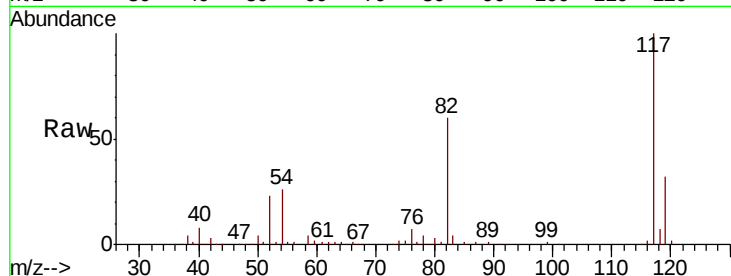




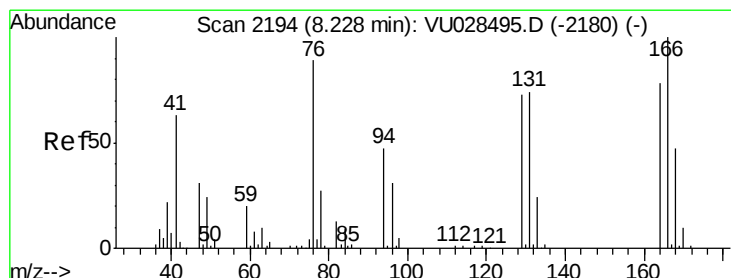
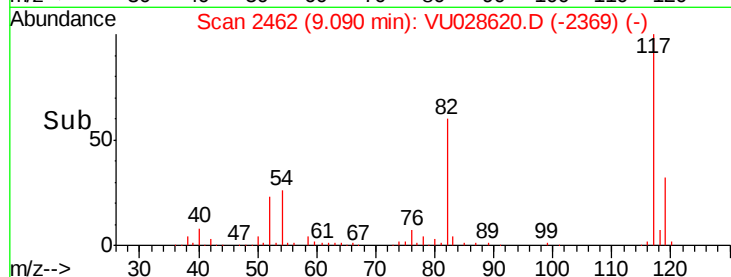
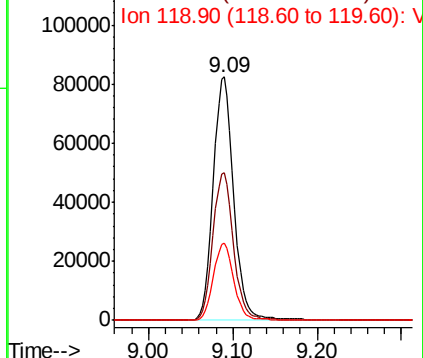
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028620.D
Acq: 11 Dec 2018 20:27

Instrument :
MSVOA_U
ClientSampleId :
RE-131D2-20181205DL

Tot Ion:117 Resp: 139415
Ion Ratio Lower Upper
117 100
82 60.5 48.9 73.3
119 31.6 26.2 39.4

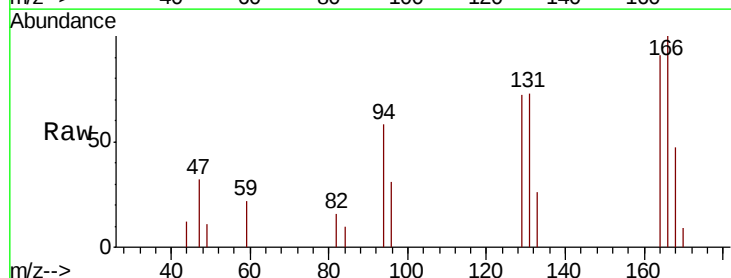


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU028495.D (-2448) (-)
Ion 118.90 (118.60 to 119.60): V

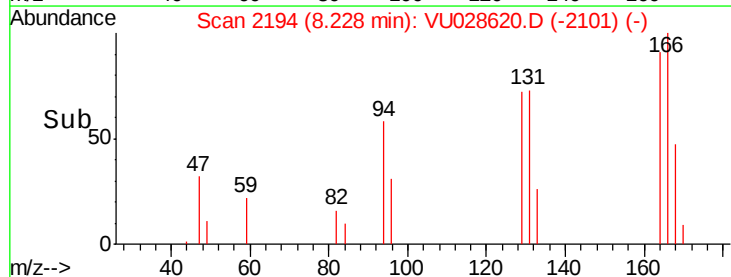
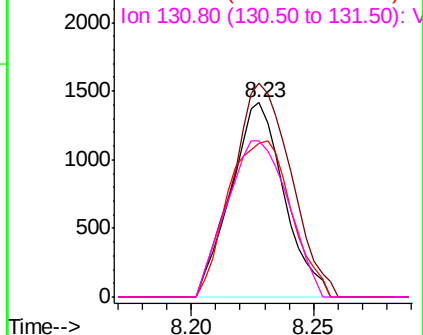


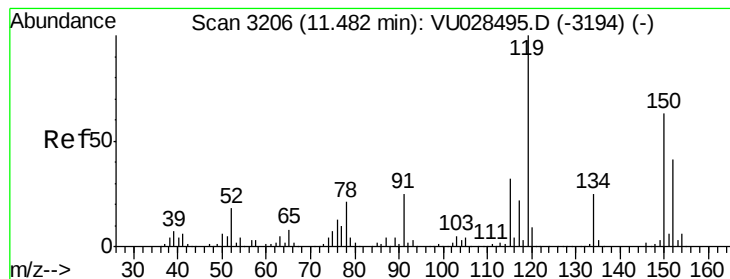
#64
Tetrachloroethene
Concen: 2.288 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028620.D
Acq: 11 Dec 2018 20:27

Tgt Ion:164 Resp: 2128
Ion Ratio Lower Upper
164 100
166 110.0 101.9 152.9
129 79.0 74.9 112.3
131 80.4 75.4 113.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): VU028495.D (-2180) (-)
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VU028620.D

Acq: 11 Dec 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

RE-131D2-20181205DL

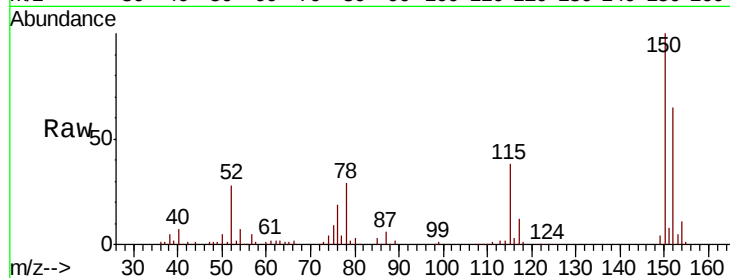
Tot Ion:152 Resp: 54172

Ion Ratio Lower Upper

152 100

115 59.4 42.7 128.1

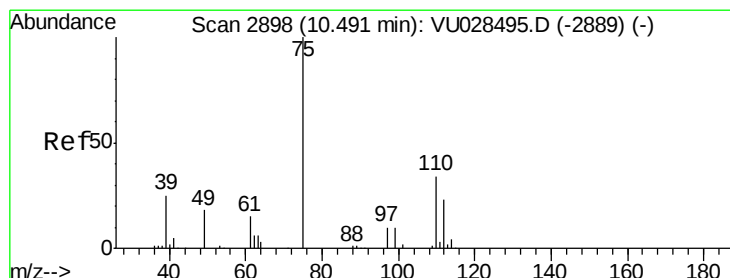
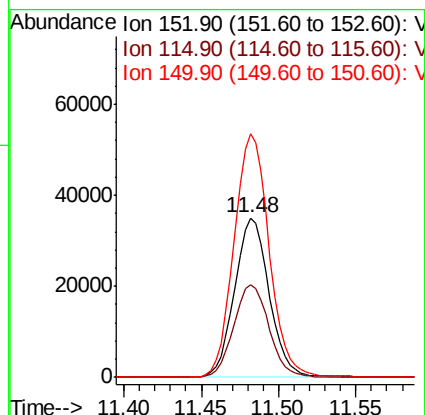
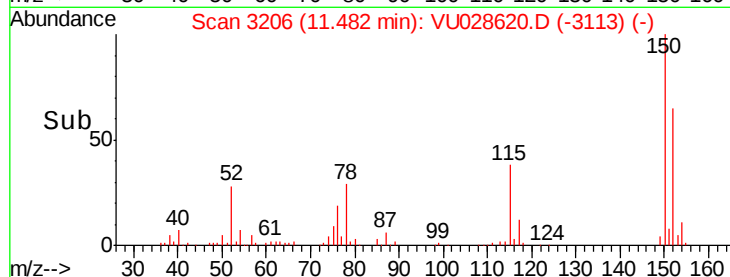
150 155.5 0.0 346.0



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: 25.287 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028620.D

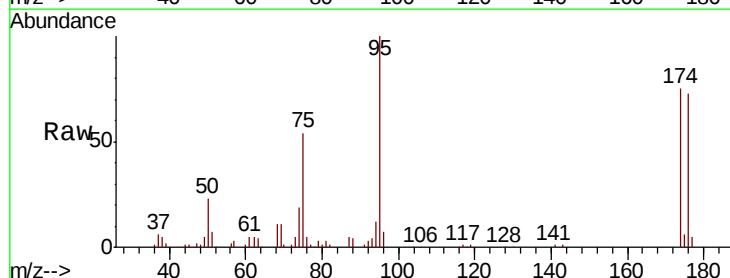
Acq: 11 Dec 2018 20:27

Tgt Ion: 75 Resp: 34980

Ion Ratio Lower Upper

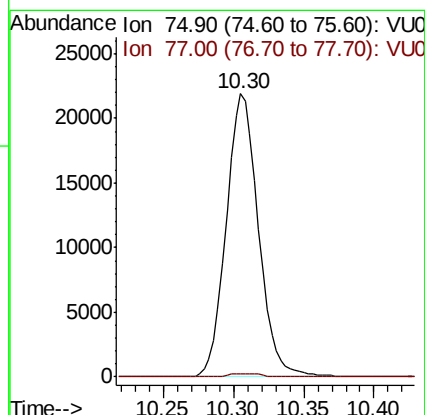
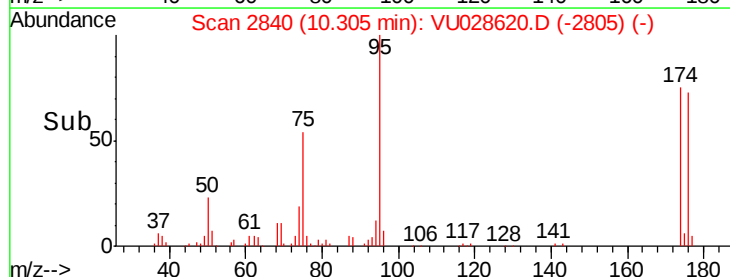
75 100

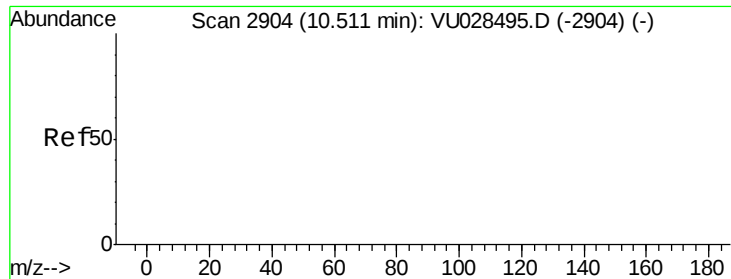
77 1.1 20.8 62.4#



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: 62.046 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028620.D

Acq: 11 Dec 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

RE-131D2-20181205DL

Tot Ion: 75 Resp: 34980

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

