

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121718\
 Data File : VU028728.D
 Acq On : 17 Dec 2018 18:20
 Operator : MD/SY
 Sample : J6393-09DL 4X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 03:10:02 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	80996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	143834	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	131442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	52485	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	65642	53.11	ug/l	0.00
Spiked Amount			Recovery	=	106.22%	
35) Dibromofluoromethane	4.88	113	49965	55.20	ug/l	0.00
Spiked Amount			Recovery	=	110.40%	
50) Toluene-d8	7.56	98	185103	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
62) 4-Bromofluorobenzene	10.31	95	62028	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	

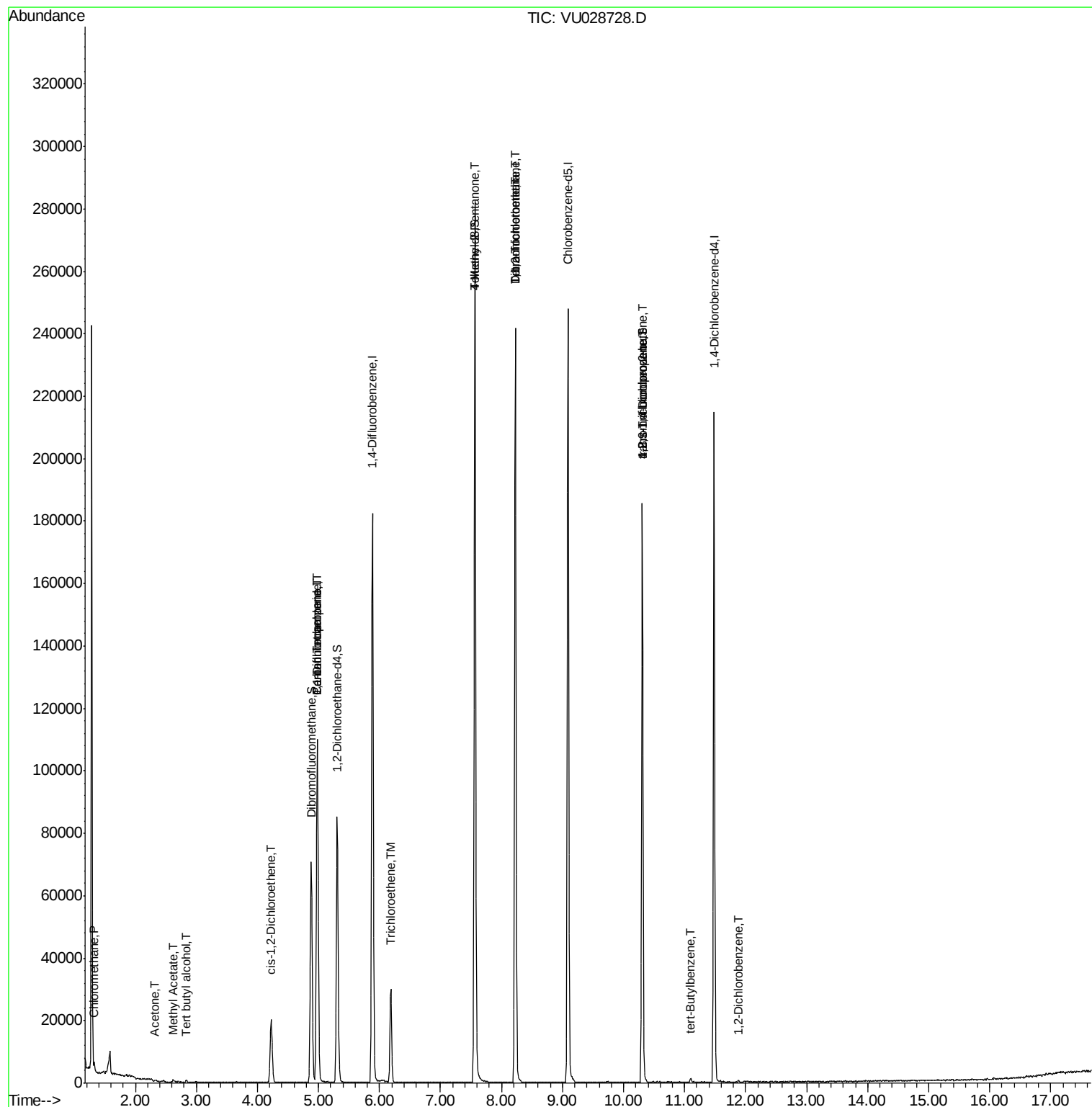
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	2107	1.056	ug/l	99
11) Tert butyl alcohol	2.84	59	226	0.821	ug/l #	73
16) Acetone	2.32	43	309	0.383	ug/l #	44
18) Methyl Acetate	2.62	43	1271	0.608	ug/l #	59
27) cis-1,2-Dichloroethene	4.23	96	10626	9.246	ug/l	91
31) Cyclohexane	4.98	56	1794	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	6875	4.368	ug/l #	50
38) Carbon Tetrachloride	4.98	117	8102	6.387	ug/l #	15
44) Trichloroethene	6.19	130	10126	9.824	ug/l	94
51) 4-Methyl-2-Pentanone	7.56	43	899	0.443	ug/l #	1
55) 1,1,2-Trichloroethane	8.22	97	369	0.342	ug/l #	7
60) Dibromochloromethane	8.22	129	50844	48.155	ug/l #	10
64) Tetrachloroethene	8.23	164	52960	60.405	ug/l	98
76) 1,2,3-Trichloropropane	10.31	75	32376	24.157	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	32376	59.297	ug/l #	100
83) tert-Butylbenzene	11.10	119	820	0.255	ug/l	76
91) 1,2-Dichlorobenzene	11.88	146	402	0.226	ug/l #	60

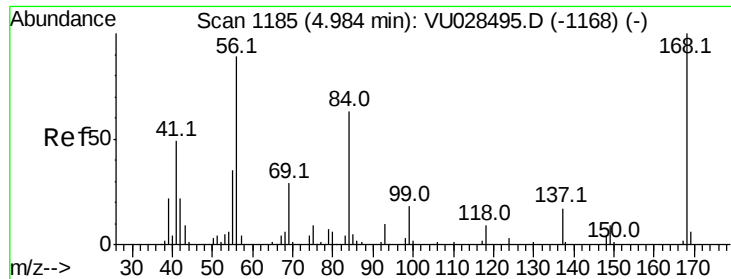
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU028728.D

Acq: 17 Dec 2018 18:20

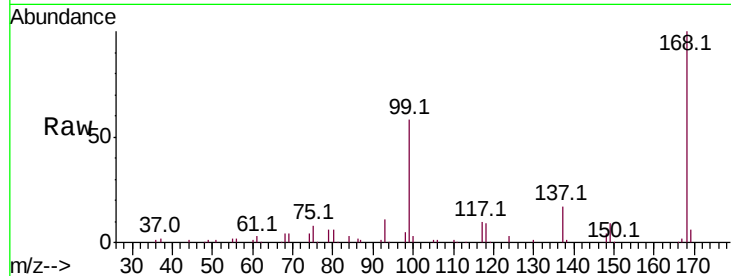
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 80996

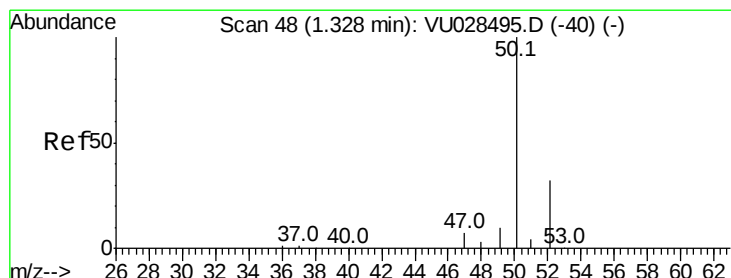
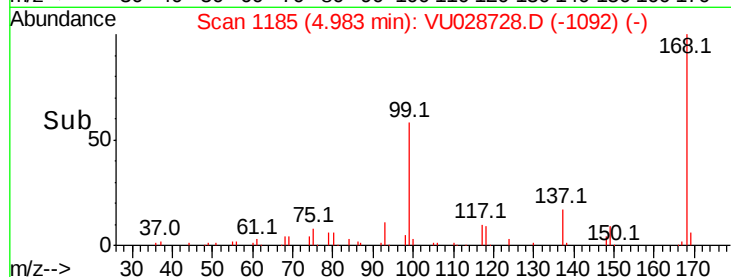
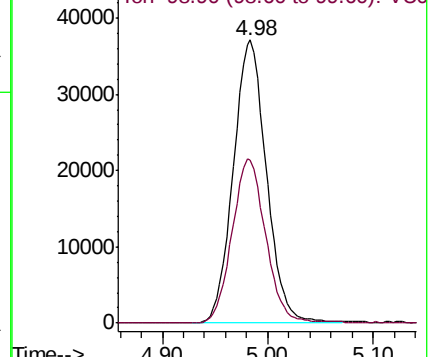
Ion Ratio Lower Upper

168 100

99 57.8 46.6 69.8



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



#3

Chloromethane

Concen: 1.056 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028728.D

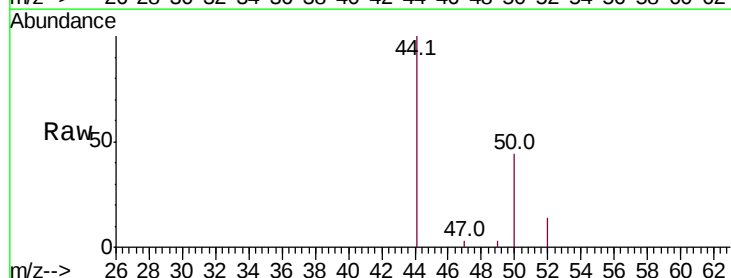
Acq: 17 Dec 2018 18:20

Tgt Ion: 50 Resp: 2107

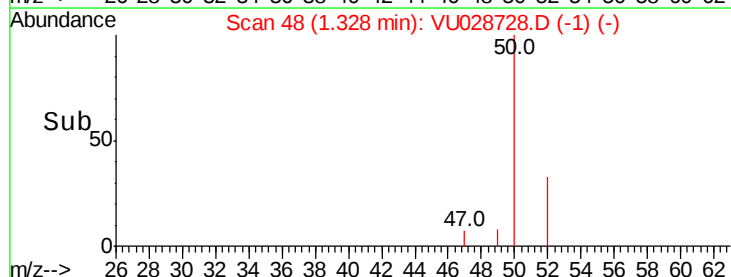
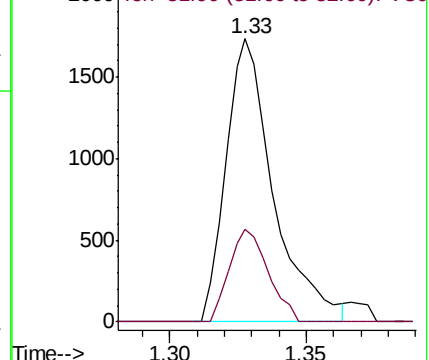
Ion Ratio Lower Upper

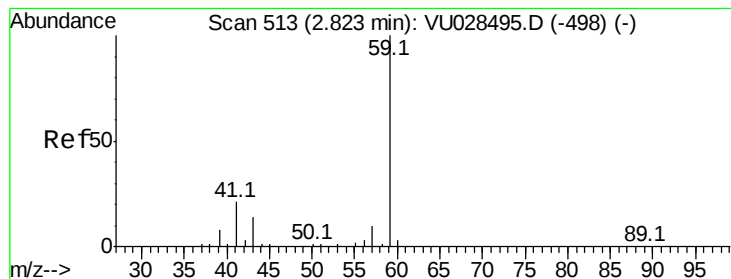
50 100

52 32.6 25.5 38.3



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



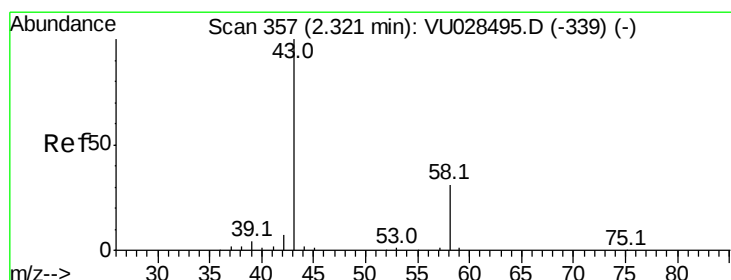
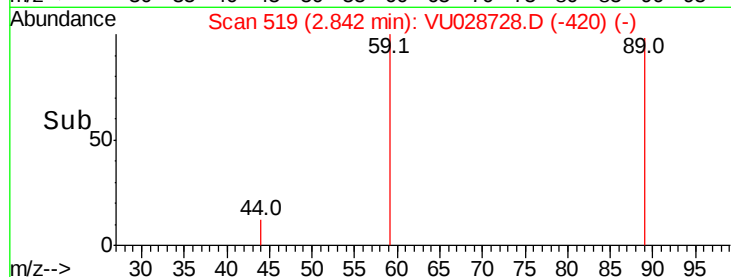
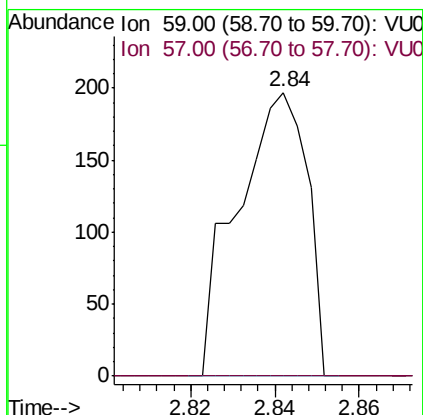
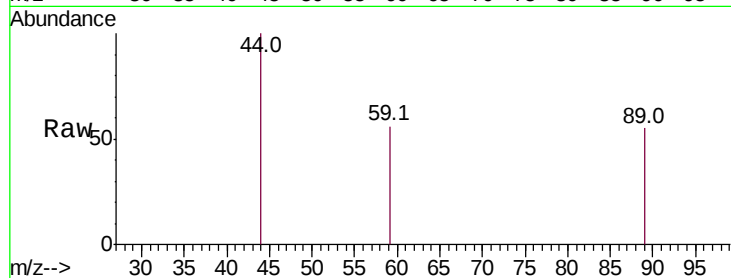


#11

Tert butyl alcohol
 Concen: 0.821 ug/l
 RT: 2.84 min Scan# 519
 Delta R.T. 0.02 min
 Lab File: VU028728.D
 Acq: 17 Dec 2018 18:20

Instrument :
 MSVOA_U
 ClientSampled :

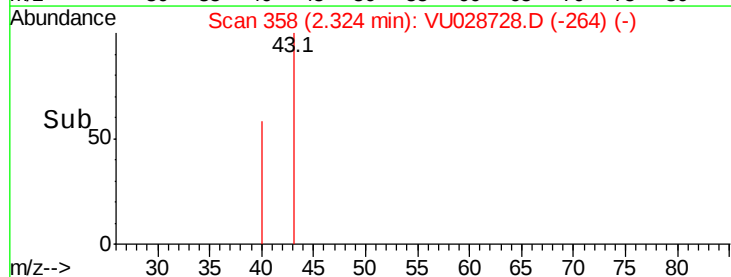
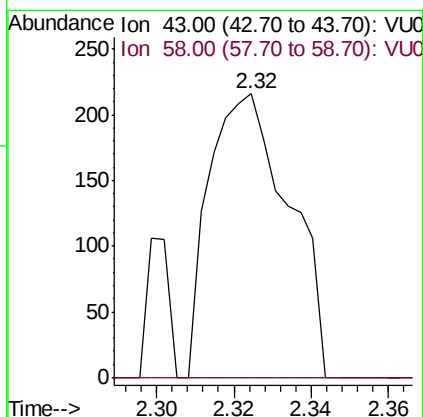
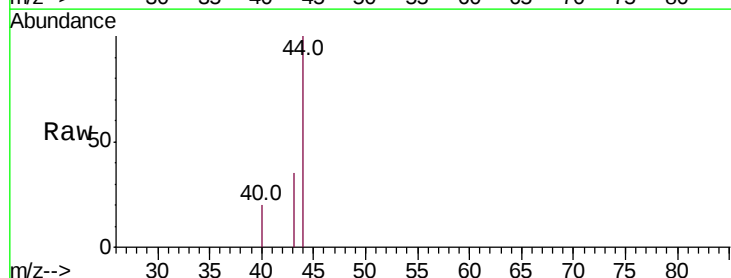
Tot Ion: 59 Resp: 226
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

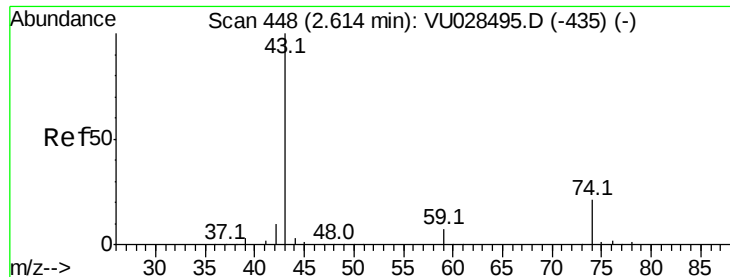


#16

Acetone
 Concen: 0.383 ug/l
 RT: 2.32 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VU028728.D
 Acq: 17 Dec 2018 18:20

Tgt Ion: 43 Resp: 309
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.6 37.0#

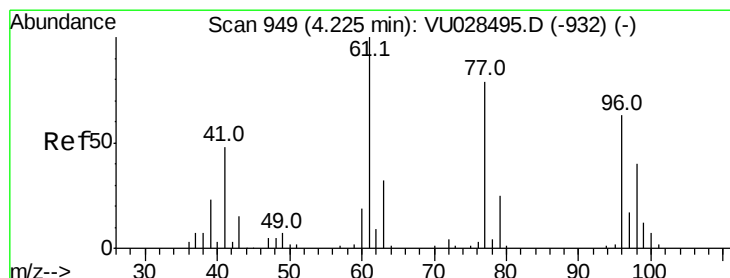
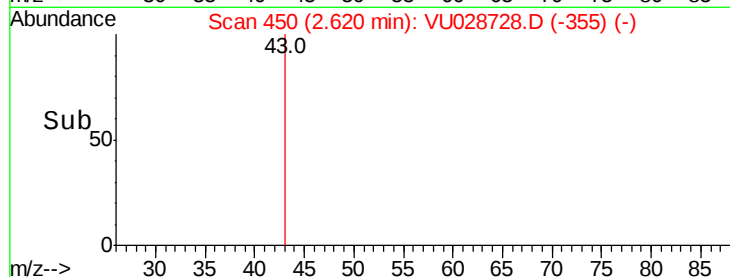
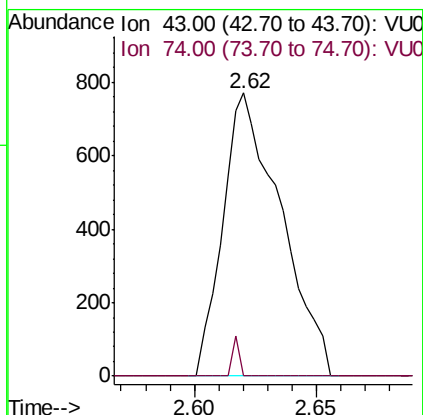
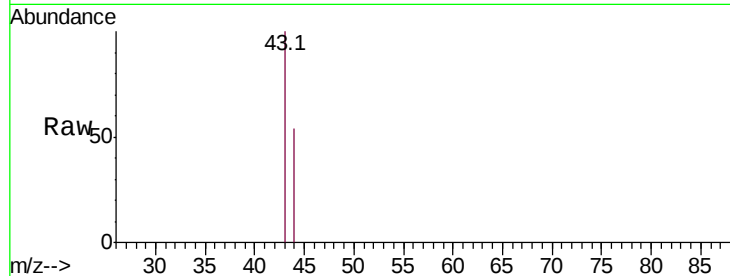




#18
Methvl Acetate
Concen: 0.608 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.01 min
Lab File: VU028728.D
Acq: 17 Dec 2018 18:20

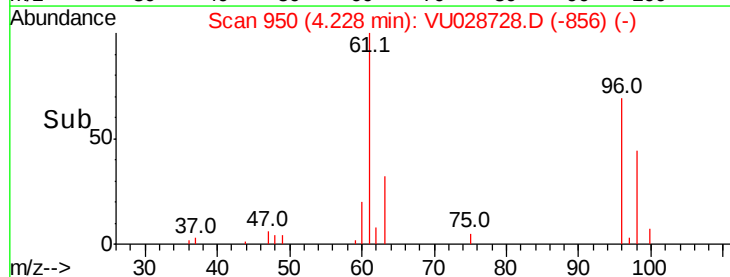
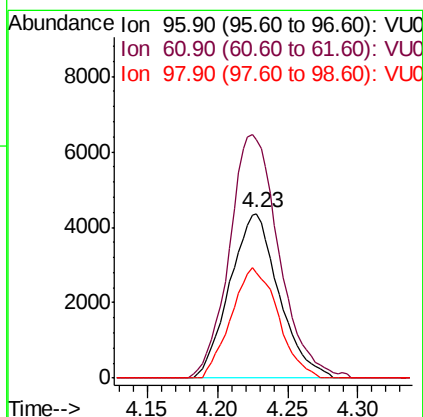
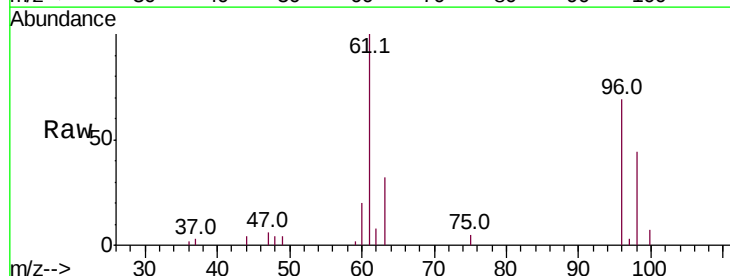
Instrument :
MSVOA_U
ClientSampleId :

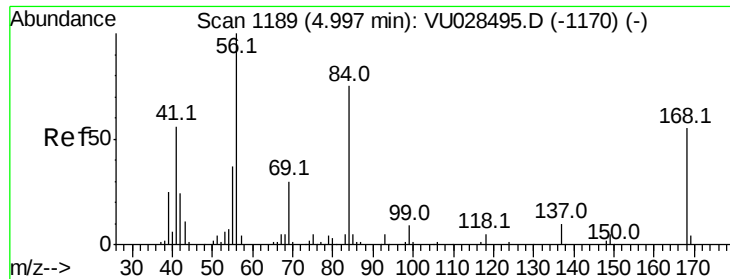
Tot Ion: 43 Resp: 1271
Ion Ratio Lower Upper
43 100
74 1.7 16.4 24.6#



#27
cis-1,2-Dichloroethene
Concen: 9.246 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU028728.D
Acq: 17 Dec 2018 18:20

Tgt Ion: 96 Resp: 10626
Ion Ratio Lower Upper
96 100
61 149.6 0.0 332.4
98 64.0 0.0 129.0

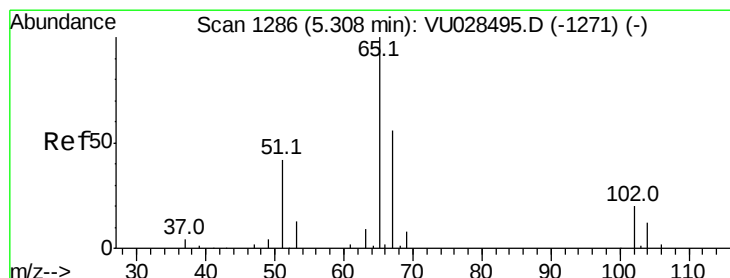
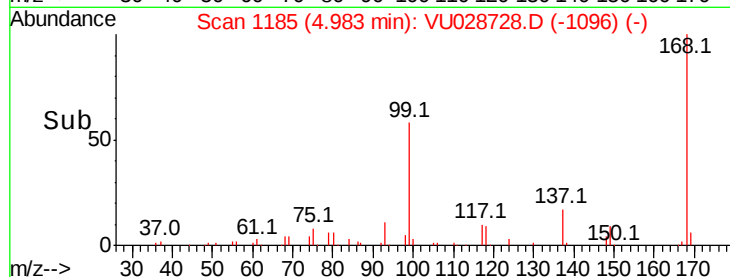
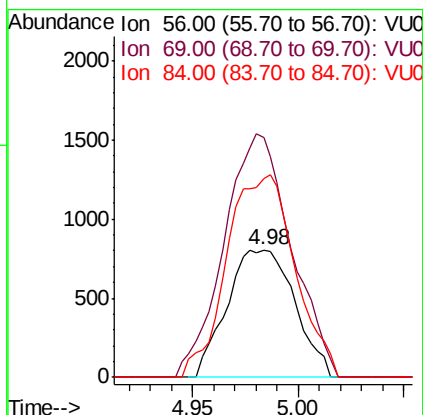
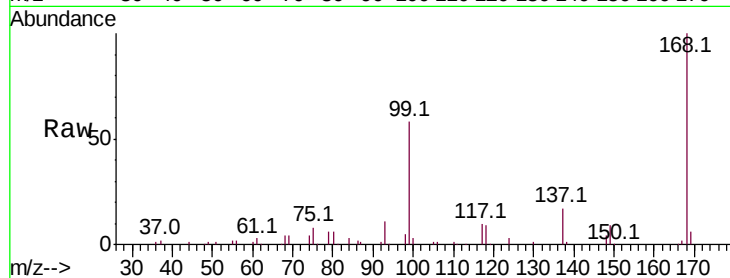




#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028728.D
Acq: 17 Dec 2018 18:20

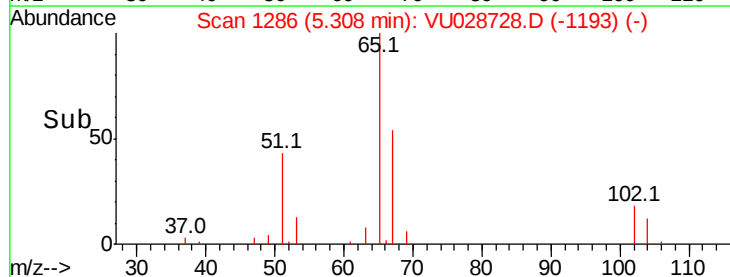
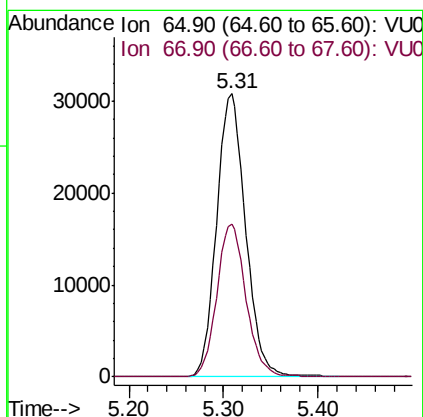
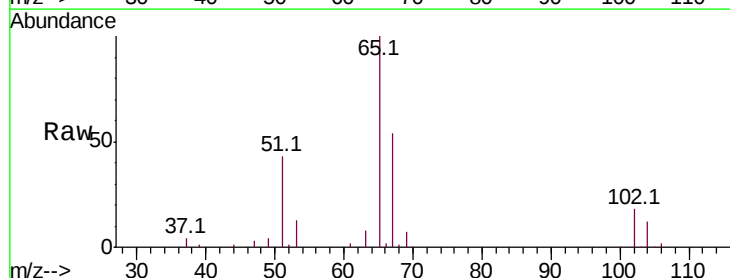
Instrument :
MSVOA_U
ClientSampleId :

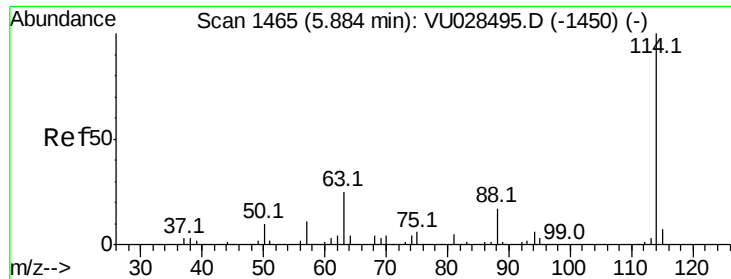
Tot Ion	56	69	84
Resp:	1794		
Ratio	100	188.9	156.1
Lower		24.0	59.7
Upper		36.0#	89.5#



#33
1,2-Dichloroethane-d4
Concen: 53.106 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028728.D
Acq: 17 Dec 2018 18:20

Tgt Ion	65	67
Resp:	65642	
Ratio	100	54.2
Lower		0.0
Upper		110.6

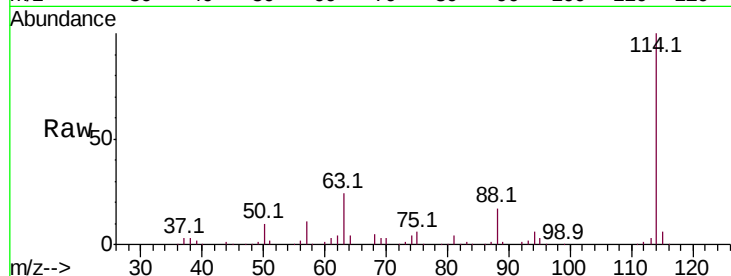




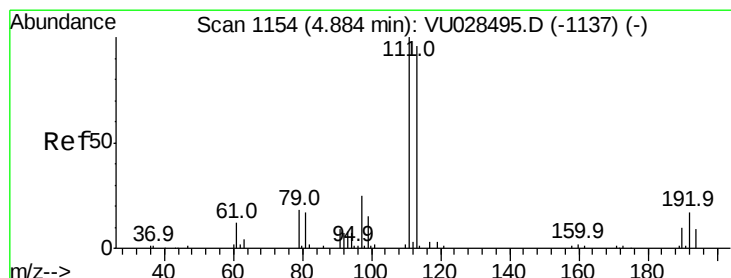
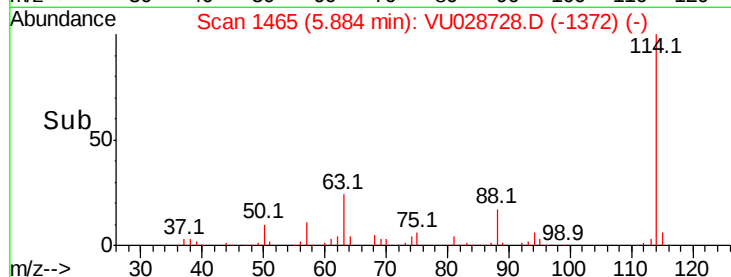
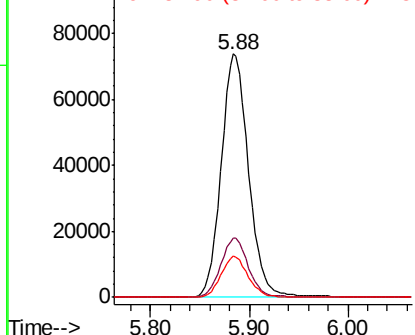
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028728.D
 Acq: 17 Dec 2018 18:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	49.2
88	17.1	0.0	33.4

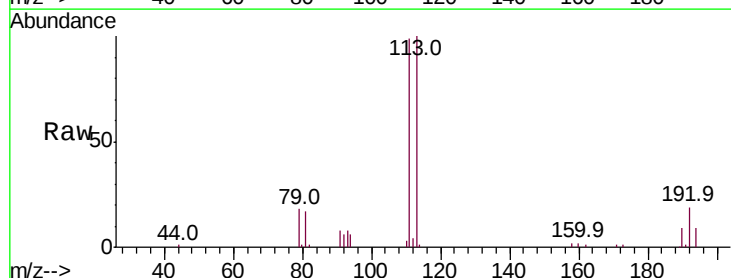


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

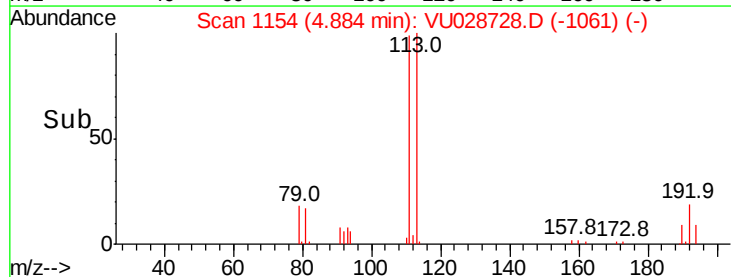
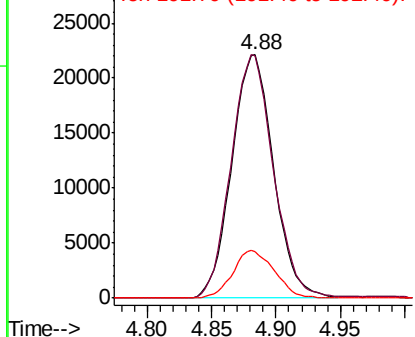


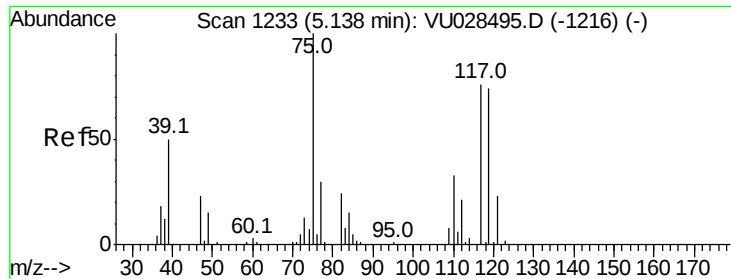
#35
 Dibromofluoromethane
 Concen: 55.200 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028728.D
 Acq: 17 Dec 2018 18:20

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.8	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

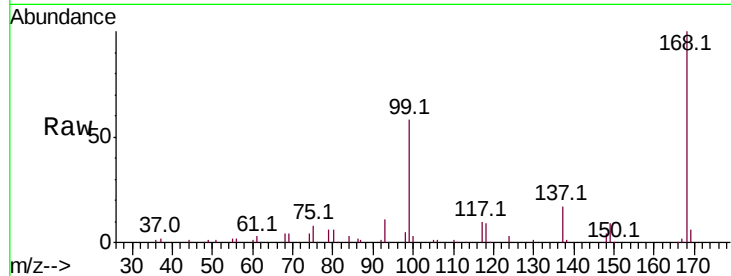




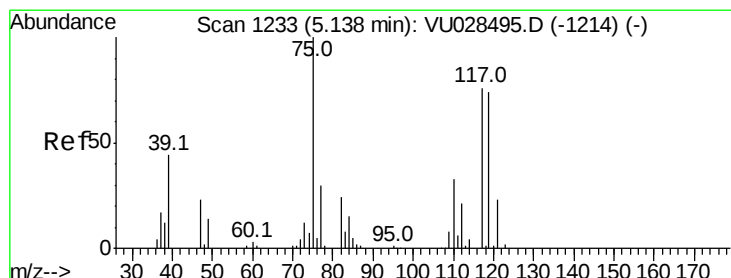
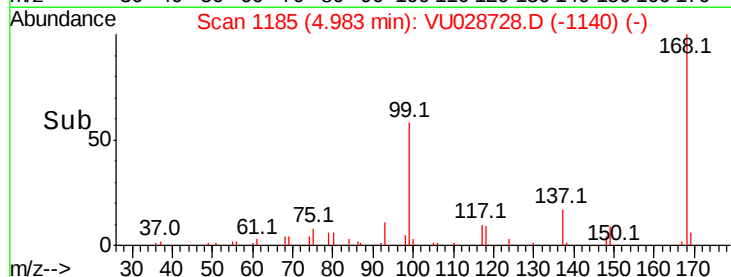
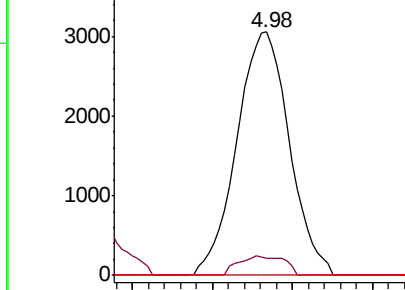
#36
 1,1-Dichloropropene
 Concen: 4.368 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028728.D
 Acq: 17 Dec 2018 18:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	6.9	16.1	48.2#
77	0.0	24.5	36.7#

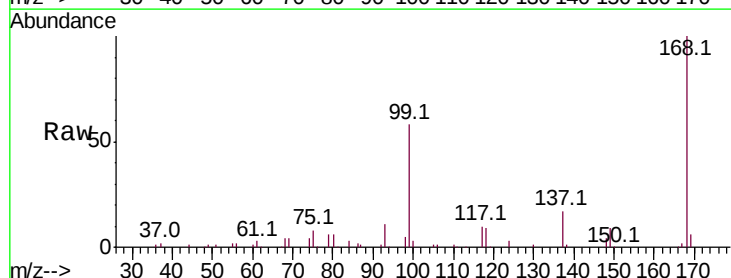


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

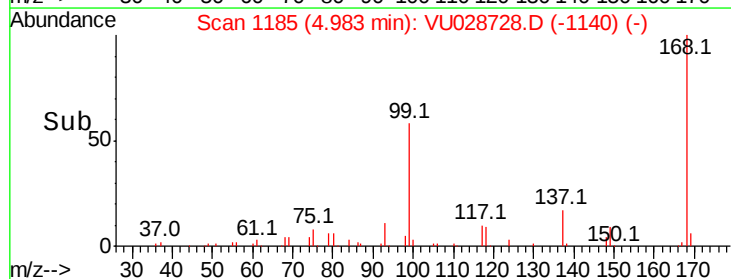
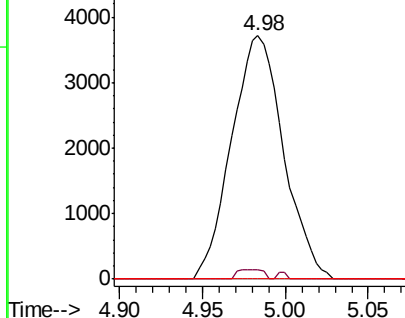


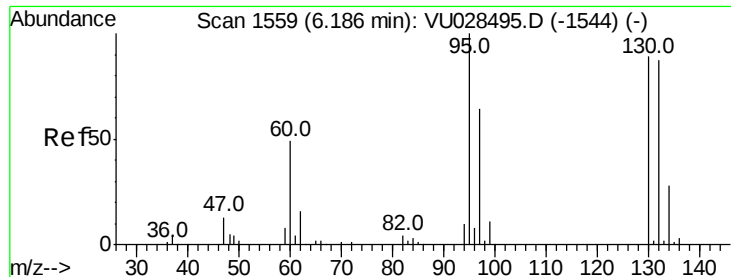
#38
 Carbon Tetrachloride
 Concen: 6.387 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028728.D
 Acq: 17 Dec 2018 18:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	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

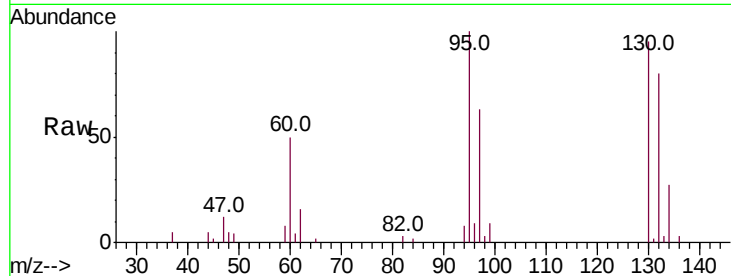




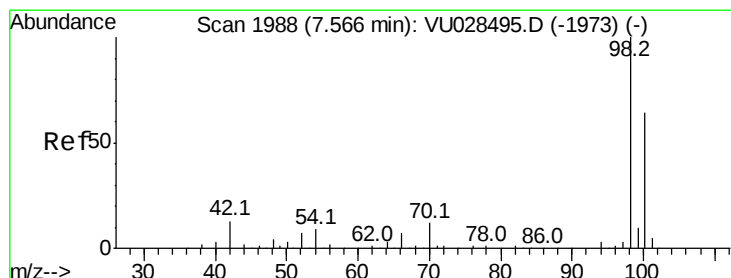
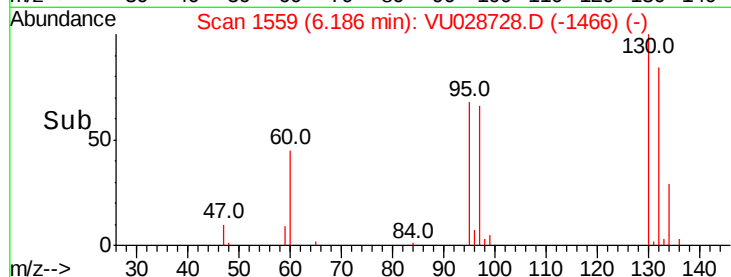
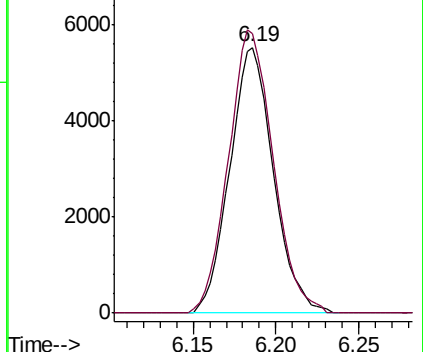
#44
 Trichloroethene
 Concen: 9.824 ug/l
 RT: 6.19 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VU028728.D
 Acq: 17 Dec 2018 18:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:130 Resp: 10126
 Ion Ratio Lower Upper
 130 100
 95 105.3 0.0 224.0

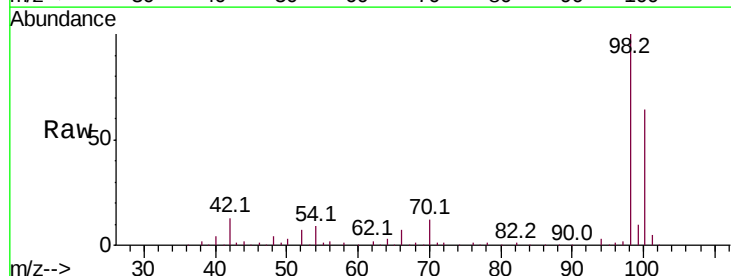


Abundance Ion 129.80 (129.50 to 130.50): VU028728.D (-1544) (-)
 Ion 94.90 (94.60 to 95.60): VU028728.D (-1544) (-)

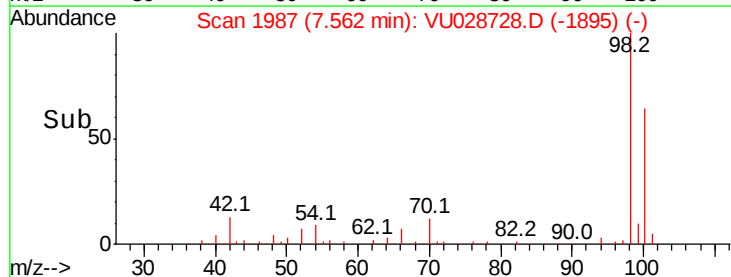
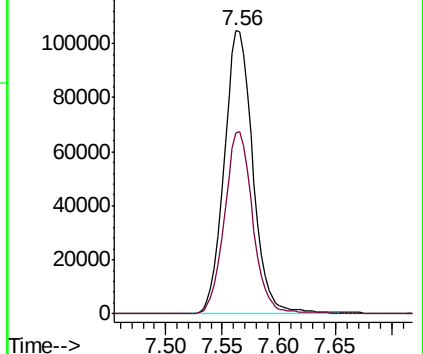


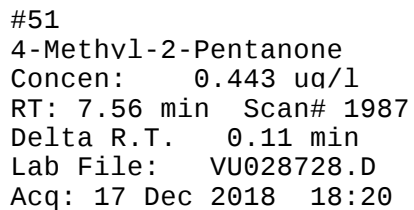
#50
 Toluene-d8
 Concen: 51.695 ug/l
 RT: 7.56 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VU028728.D
 Acq: 17 Dec 2018 18:20

Tgt Ion: 98 Resp: 185103
 Ion Ratio Lower Upper
 98 100
 100 63.7 51.0 76.6



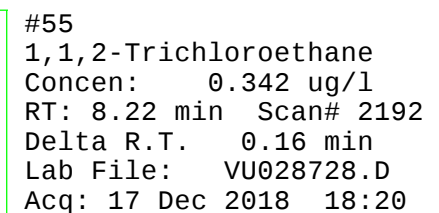
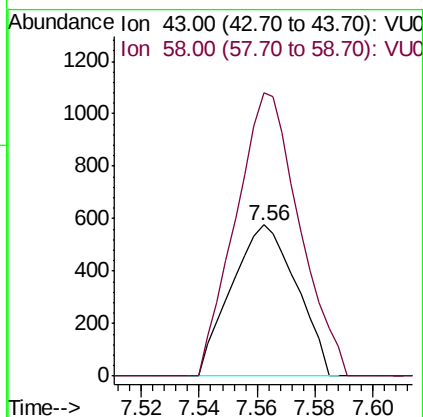
Abundance Ion 98.00 (97.70 to 98.70): VU028728.D (-1895) (-)
 Ion 100.00 (99.70 to 100.70): VU028728.D (-1895) (-)



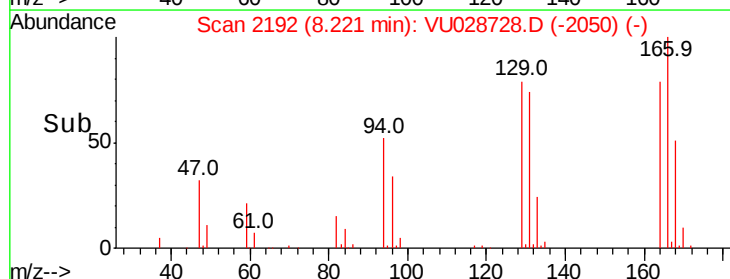
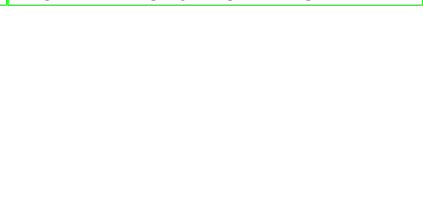
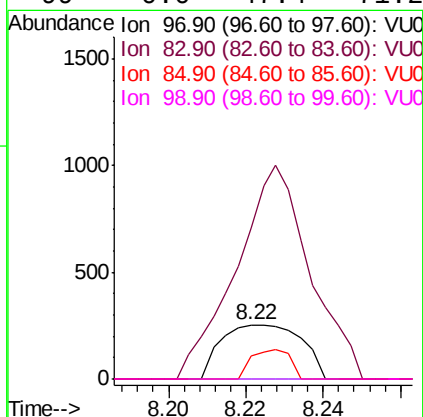


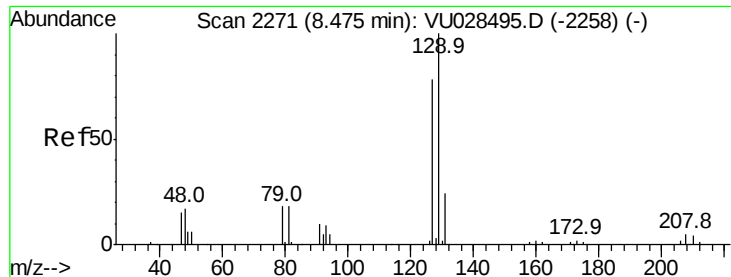
Instrument :
MSVOA_U
ClientSampleId :

Tot	Ion: 43	Resp:	899
Ion	Ratio	Lower	Upper
43	100		
58	183.1	30.2	45.2#



Tgt	Ion: 97	Resp:	369
Ion	Ratio	Lower	Upper
97	100		
83	231.4	72.4	108.6#
85	42.4	46.0	69.0#
99	0.0	47.4	71.2#

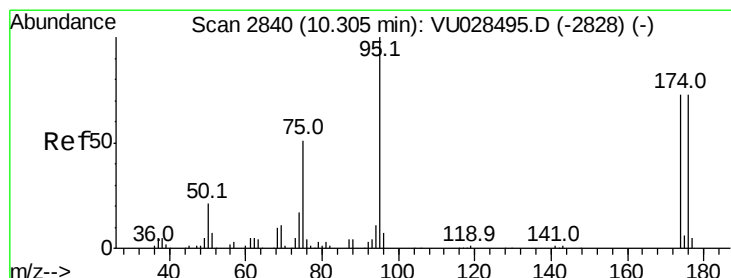
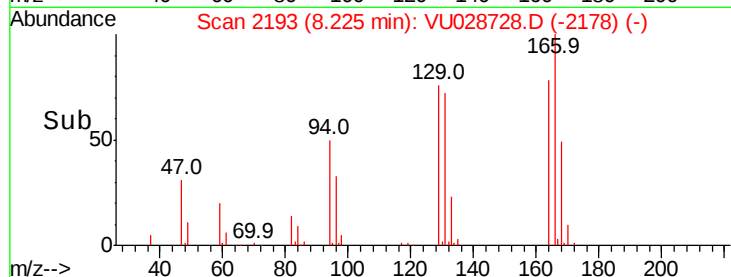
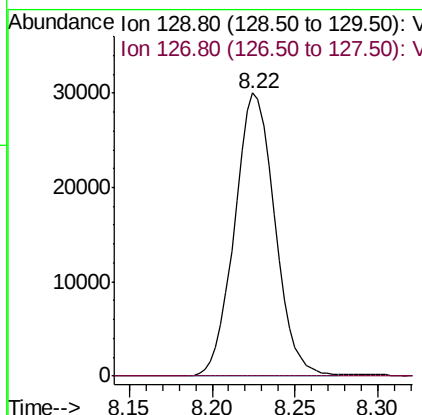
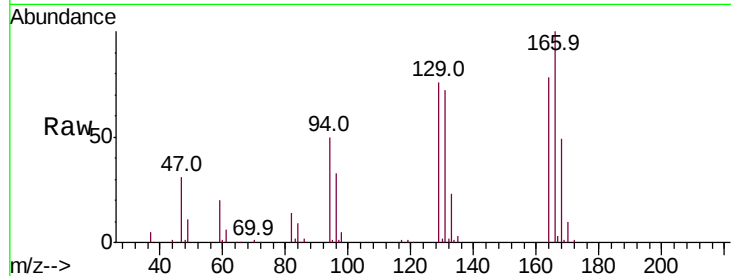




#60
 Dibromochloromethane
 Concen: 48.155 ug/l
 RT: 8.22 min Scan# 2193
 Delta R.T. -0.25 min
 Lab File: VU028728.D
 Acq: 17 Dec 2018 18:20

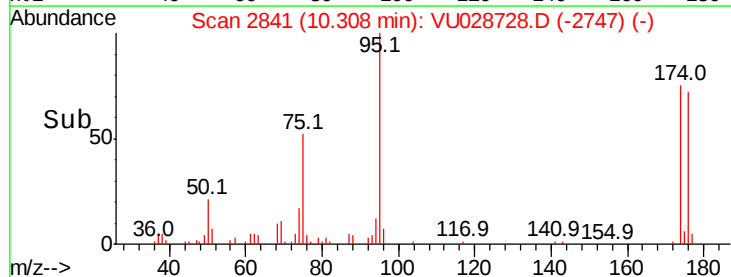
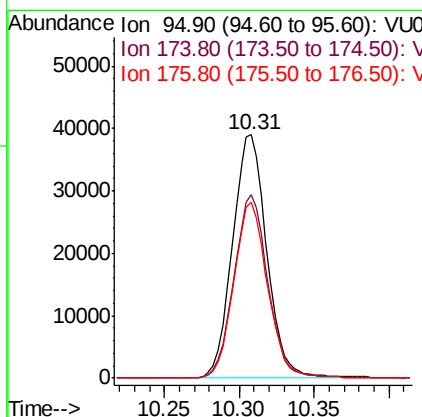
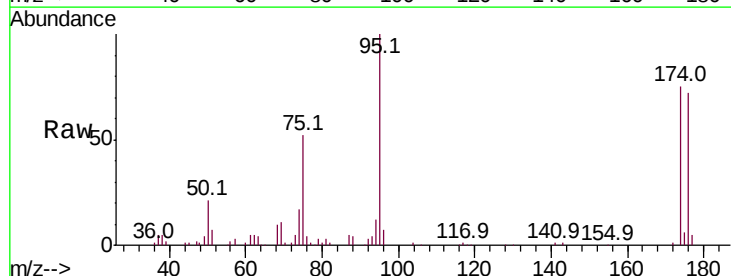
Instrument :
 MSVOA_U
 ClientSampled :

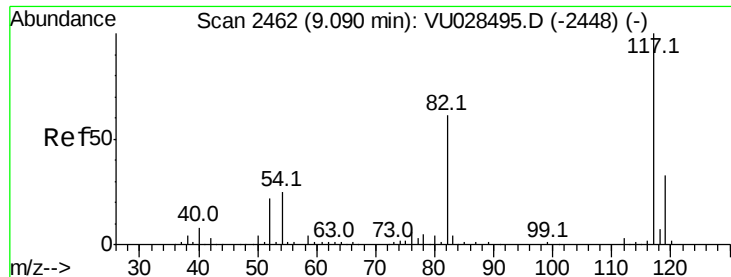
Tot Ion:129 Resp: 50844
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.1 117.3#



#62
 4-Bromofluorobenzene
 Concen: 46.348 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU028728.D
 Acq: 17 Dec 2018 18:20

Tgt Ion: 95 Resp: 62028
 Ion Ratio Lower Upper
 95 100
 174 74.7 0.0 150.4
 176 71.8 0.0 145.2

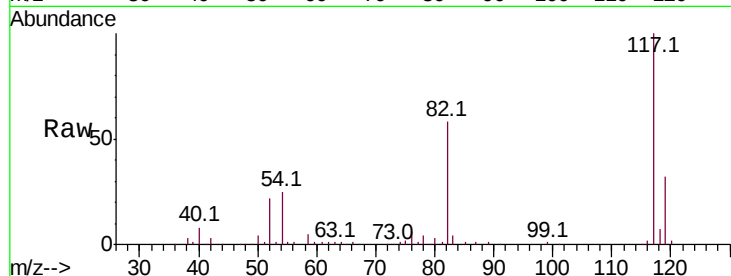




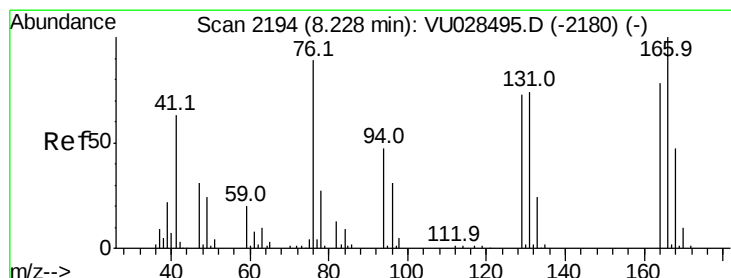
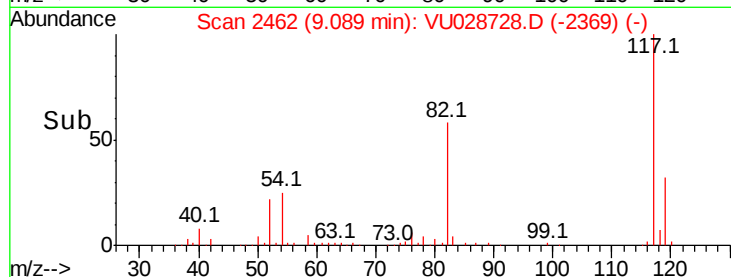
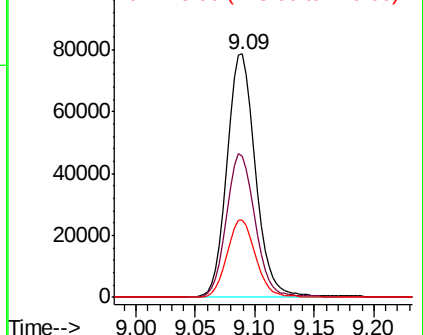
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028728.D
Acq: 17 Dec 2018 18:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 131442
Ion Ratio Lower Upper
117 100
82 58.2 48.9 73.3
119 31.9 26.2 39.4

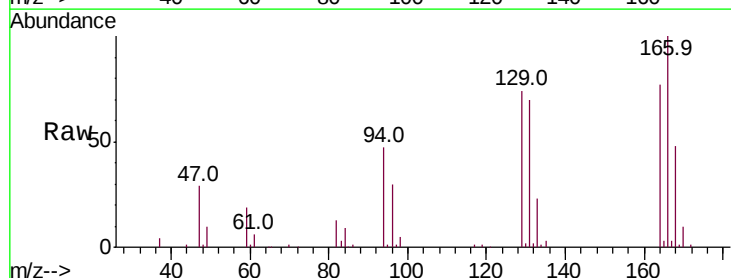


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

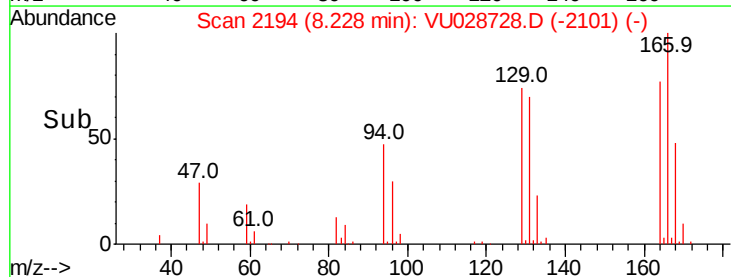
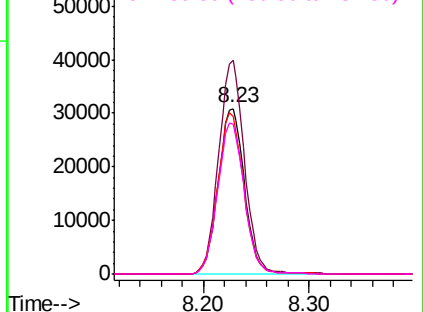


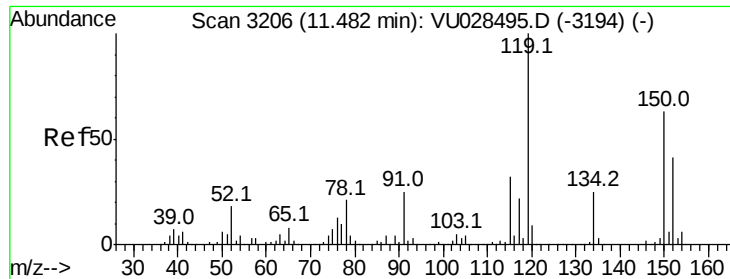
#64
Tetrachloroethene
Concen: 60.405 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028728.D
Acq: 17 Dec 2018 18:20

Tgt Ion:164 Resp: 52960
Ion Ratio Lower Upper
164 100
166 129.4 101.9 152.9
129 95.2 74.9 112.3
131 90.5 75.4 113.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
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: VU028728.D

Acq: 17 Dec 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

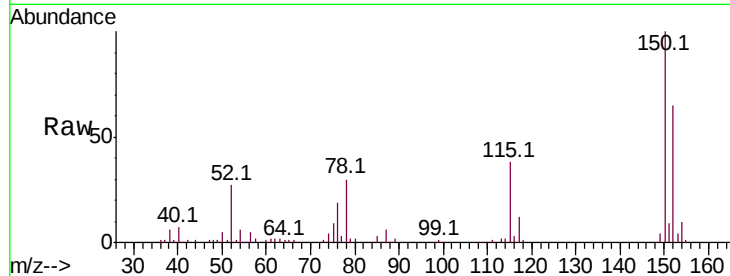
Tot Ion:152 Resp: 52485

Ion Ratio Lower Upper

152 100

115 60.1 42.7 128.1

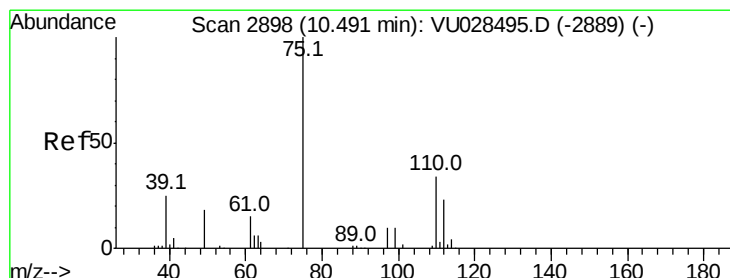
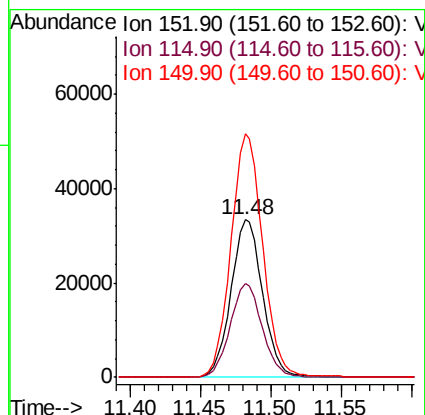
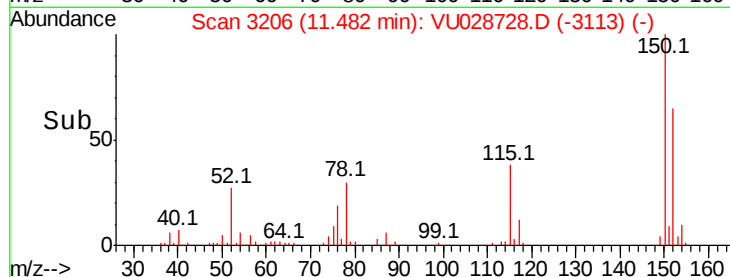
150 154.5 0.0 346.0



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: 24.157 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.18 min

Lab File: VU028728.D

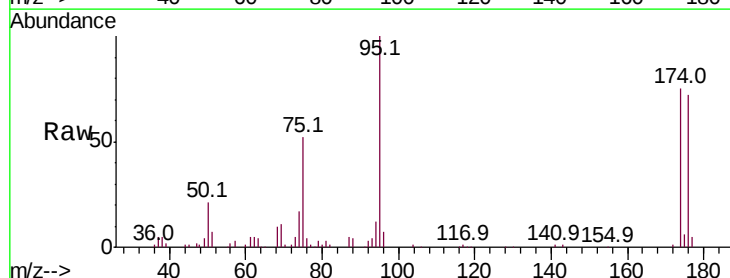
Acq: 17 Dec 2018 18:20

Tgt Ion: 75 Resp: 32376

Ion Ratio Lower Upper

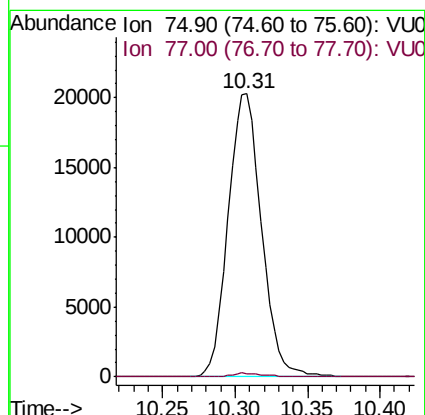
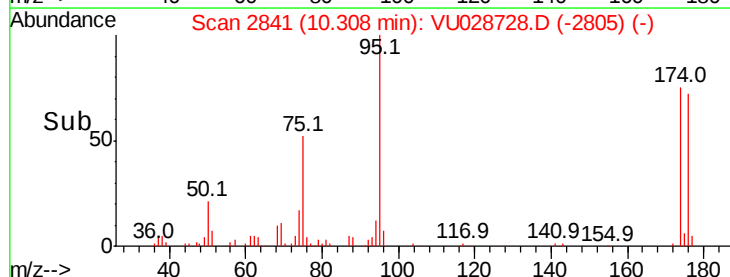
75 100

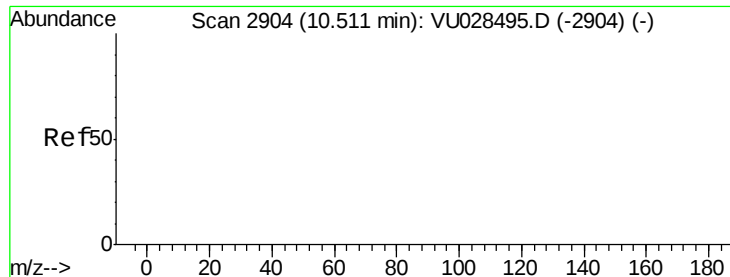
77 1.2 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

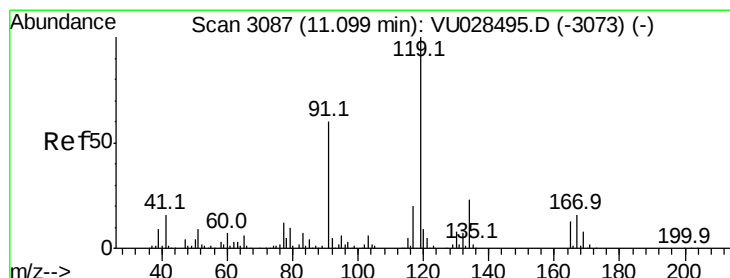
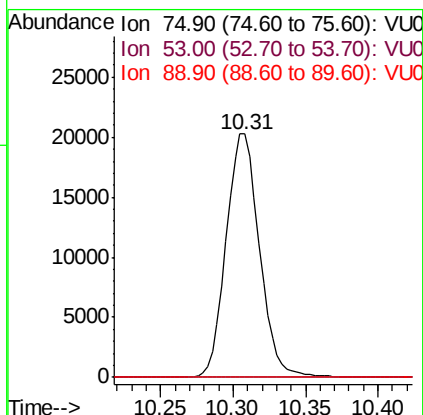
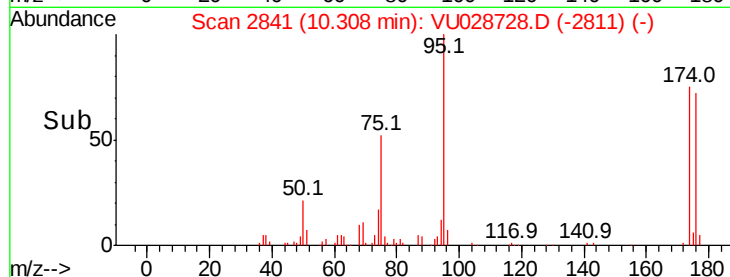
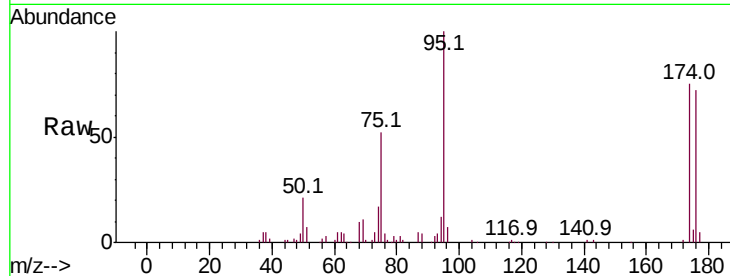




#81
trans-1,4-Dichloro-2-butene
Concen: 59.297 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.20 min
Lab File: VU028728.D
Acq: 17 Dec 2018 18:20

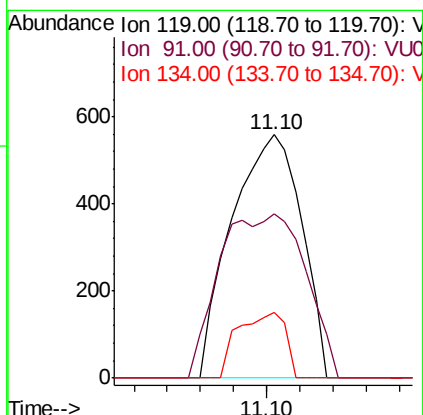
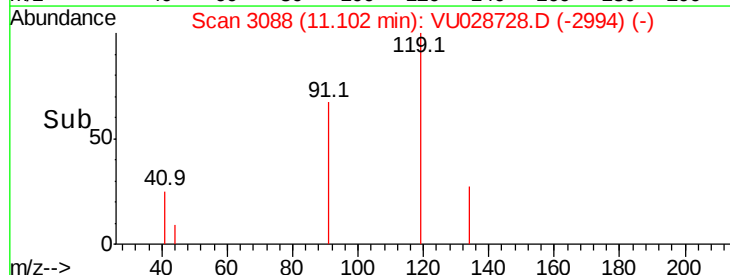
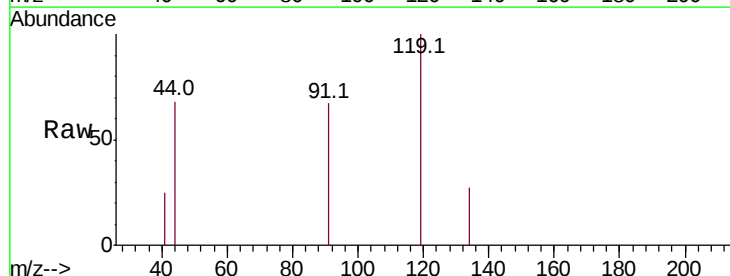
Instrument :
MSVOA_U
ClientSampled :

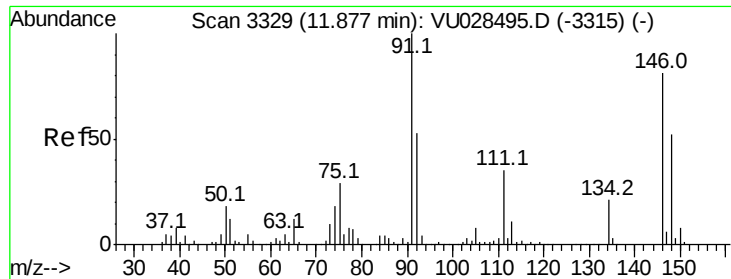
Tot Ion: 75 Resp: 32376
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#83
tert-Butylbenzene
Concen: 0.255 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU028728.D
Acq: 17 Dec 2018 18:20

Tgt Ion: 119 Resp: 820
Ion Ratio Lower Upper
119 100
91 83.5 30.3 91.0
134 18.2 11.2 33.5





#91

1,2-Dichlorobenzene

Concen: 0.226 ug/l

RT: 11.88 min Scan# 3331

Delta R.T. 0.01 min

Lab File: VU028728.D

Acq: 17 Dec 2018 18:20

Instrument :

MSVOA_U

ClientSampleId :

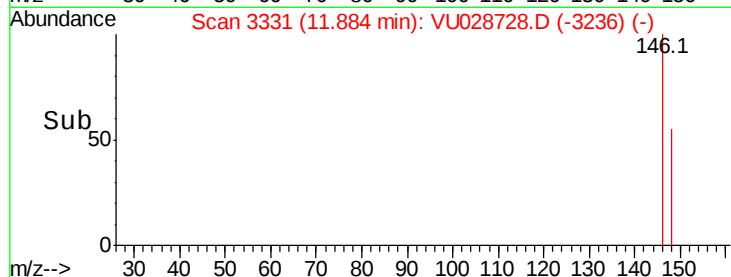
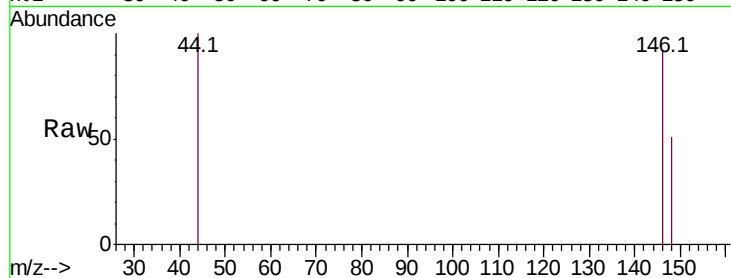
Tot Ion:146 Resp: 402

Ion Ratio Lower Upper

146 100

111 0.0 21.1 63.4#

148 45.5 31.4 94.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

